

# Standard Frame

SF is best suited for machine table or clean booth, and is very effective as components with the flexibility and recyclability. Also, the price setting is reasonable, with overturning the existing idea which says“Aluminum component is expensive” . (SF corresponds to design support service and assembly shipment.)

# SF Standard Frame

### Total support from CAD design, arrangement to assembly shipment

To construct the aluminum component system, SUS is conducting "Assembly Shipment" and "Free Unit Quotation Service" which we draw up cubic diagram and parts table to estimate the cost based on customer's sketch drawing. Please utilize these services to reduce total cost and to shorten the working hours.

### Responds to resin and steel plate panel or assembly shipment

SUS processes various panels for covers or doors in production line, and assembles when delivery.

### Realized further price down

SUS realized the lower price than ever for SF series by reducing distribution costs and producing in our own factory. Thus, the price is more reasonable and you can decide to introduce equipment more easily.

### New service started to enable local buying in overseas

In view of high reputation in Japan, SUS is spreading to overseas. It's making a good progress to expand into Asian countries which developed countries' are impressively advancing in. We are organizing the system to enable purchasing component directly at your locations, establishing the bases across Asia.

## From Aluminum Frame & Resin Panel to Assemble Shipment

### Flexible Response and Quick Delivery

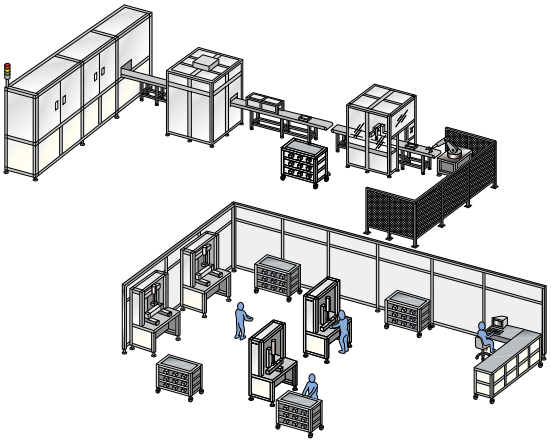
Degree of freedom to design is increased because frame is cut by 0.1mm unit from 50mm to 4000mm (some of them can be cut to 6000mm as special order). Also, parts standardization and self-manufacture enabled quick delivery.

### Excellent Recyclability

Aluminum frames in SF series are combined by bolt and nut, so it's easy to disassemble and they can be reused. Also, in case you dispose, they can be recycled as resources.
SUS takes back the aluminum products in SF catalog as part of the recycling activities. We will reduce the amount of money for the next purchase, according to the weight of the received aluminum products.

### High-Stiffness and Beautiful Frame

At joint part, binding strength is highly ensured by using exclusive nuts. Aluminum surface is finished by alumite treatment (more than 9$\mu m$ thickness) and it will maintain the glaze for a long time.





# Applications



Auto Loader



Screw-Tightening Machine



Palletizer



Take-Out Machine



Automatic Inspection Machine



Processing Machine



Coating Machine



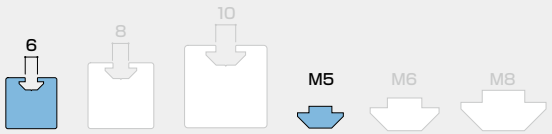
Auto Loader



STANDARD FRAME

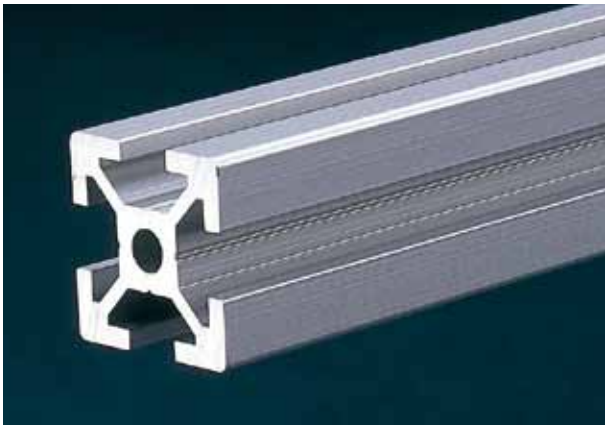
# SF20
## SERIES

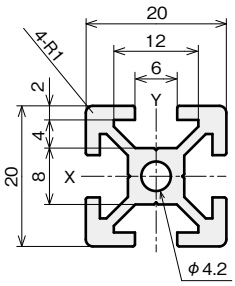
# SF20 SERIES




## SF-20・20

Asia





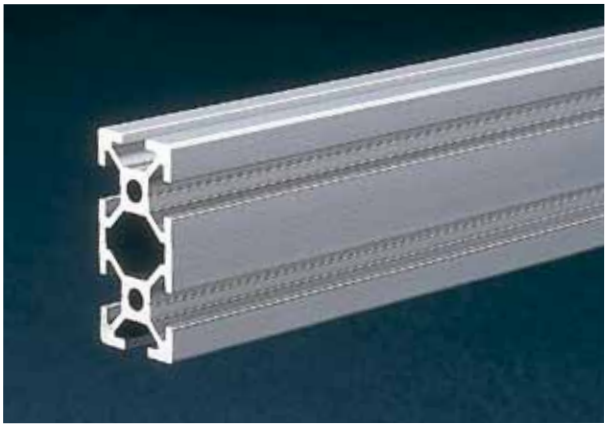

| Name | SF-20・20 ( ℓ=4000) | SF-20・20 ℓ=50～4000 |
|---|---|---|
| Item No. | SFF-202-T | SFF-204-T |

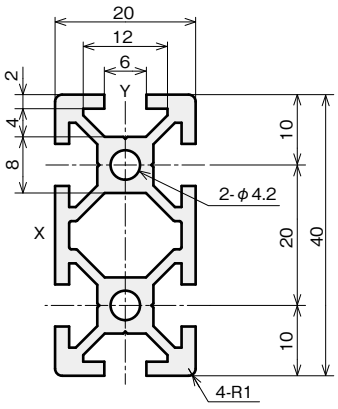
■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | RoHS Compliant<br>Green Procurement |
| Geometrical moment of inertia | Ix=0.74×10⁴mm⁴<br>Iy=0.74×10⁴mm⁴ |
| Section Modulus | Zx=0.74×10³mm³<br>Zy=0.74×10³mm³ |
| Unit Mass | 0.49kg/m |

## SF-20・40

Asia






| Name | SF-20・40 ( ℓ=4000) | SF-20・40 ℓ=50～4000 |
|---|---|---|
| Item No. | SFF-242-T | SFF-244-T |

■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | RoHS Compliant<br>Green Procurement |
| Geometrical moment of inertia | Ix=5.12×10⁴mm⁴<br>Iy=1.36×10⁴mm⁴ |
| Section Modulus | Zx=2.56×10³mm³<br>Zy=1.36×10³mm³ |
| Unit Mass | 0.88kg/m |

Example of order

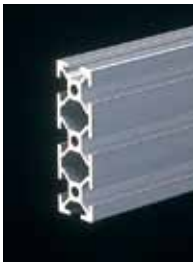
**SF Frame**
Standard( ℓ=4000) (Cut by customer)
Item No. ℓ=4030・Effective range of use ℓ=4000
**SFF-202-T**

Quantity (pcs) □□

In case of specifying the length (Cut by SUS) ※Order by 0.1mm unit
Item No. Length (mm)
**SFF-204-T** ℓ=800

## SF-20·60 / SF-20·80

Asia

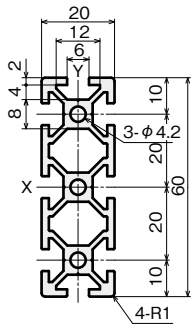



■Material/Technical Data

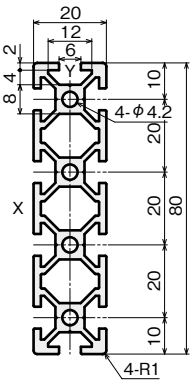
| | | |
|---|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment | |
| Environment | RoHS Compliant<br>Green Procurement | |
| | SF-20·60 | SF-20·80 |
| Geometrical Moment of Inertia | Ix=15.97×10⁴mm⁴<br>Iy=1.97×10⁴mm⁴ | Ix=36.13×10⁴mm⁴<br>Iy=2.58×10⁴mm⁴ |
| Section Modulus | Zx=5.30×10³mm³<br>Zy=1.97×10³mm³ | Zx=9.03×10³mm³<br>Zy=2.58×10³mm³ |
| Unit Mass | 1.26kg/m | 1.64kg/m |

| Name | SF-20·60 ( ℓ=4000) | SF-20·60 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-262-T | SFF-264-T |

| Name | SF-20·80 ( ℓ=4000) | SF-20·80 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-282-T | SFF-284-T |



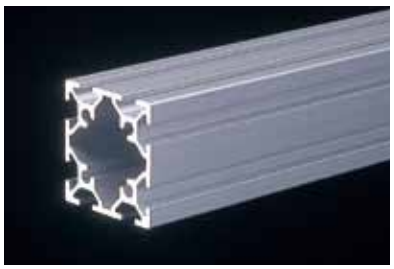

SF-20·60




SF-20·80

## SF-40·40·2S

Asia

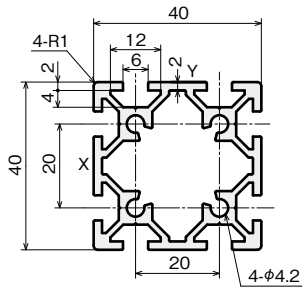


■Material/Technical Data

| | | |
|---|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment | |
| Environment | RoHS Compliant<br>Green Procurement | |
| Geometrical Moment of Inertia | Ix=8.89×10⁴mm⁴<br>Iy=8.89×10⁴mm⁴ | |
| Section Modulus | Zx=4.45×10³mm³<br>Zy=4.45×10³mm³ | |
| Unit Mass | 1.29kg/m | |

| Name | SF-40·40·2S ( ℓ=4000) | SF-40·40·2S ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-402W-T | SFF-404W-T |

●Long Length (up to 6000mm) is available by special order.




## SF-40·60·SS / SF-40·80·SS

Asia

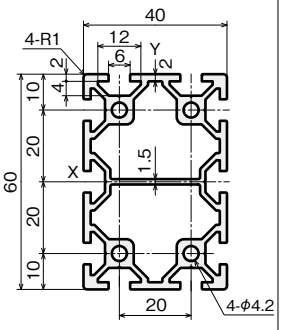



■Material/Technical Data

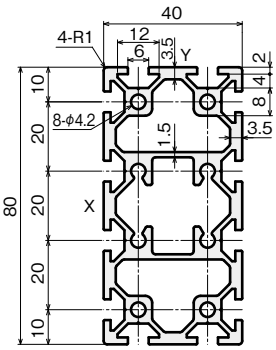
| | | |
|---|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment | |
| Environment | RoHS Compliant<br>Green Procurement | |
| | SF-40·60·SS | SF-40·80·SS |
| Geometrical Moment of Inertia | Ix=27.03×10⁴mm⁴<br>Iy=12.63×10⁴mm⁴ | Ix=63.52×10⁴mm⁴<br>Iy=18.39×10⁴mm⁴ |
| Section Modulus | Zx=9.01×10³mm³<br>Zy=6.31×10³mm³ | Zx=15.88×10³mm³<br>Zy=9.20×10³mm³ |
| Unit Mass | 1.80kg/m | 2.70kg/m |

| Name | SF-40·60·SS ( ℓ=4000) | SF-40·60·SS ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-462-T | SFF-464-T |

| Name | SF-40·80·SS ( ℓ=4000) | SF-40·80·SS ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-4082-T | SFF-4084-T |




SF-40·60·SS




SF-40·80·SS

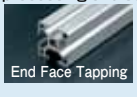
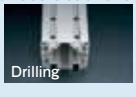
●Exclusive Nut

T Nut SS
After Nut SS
Lock Nut SS
Free Nut SS
P30~

●Exclusive Cap

Frame Cap
P45

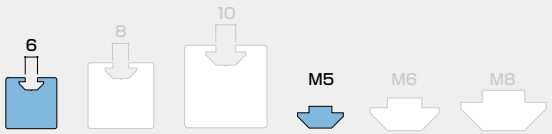
●Additional processing and surface treatment are also available.


End Face Tapping

Drilling

Slant Cut

P208~

# SF20 SERIES



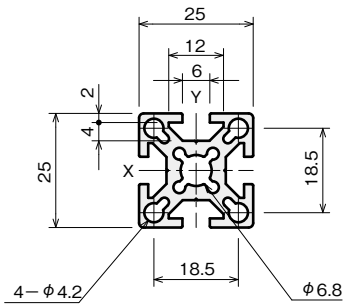

## SF-25・25

Asia



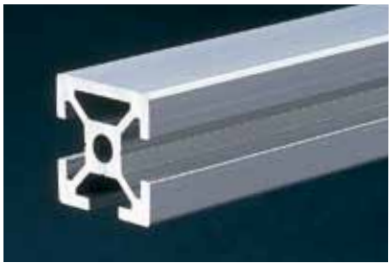
■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=1.64×10⁴mm⁴
Iy=1.64×10⁴mm⁴
Section Modulus ..... Zx=1.31×10³mm³
Zy=1.31×10³mm³
Unit Mass ..... 0.78kg/m

| Name | SF-25・25 （ ℓ=4000） | SF-25・25 ℓ=50～4000 |
|---|---|---|
| Item No. | SFF-252-T | SFF-254-T |



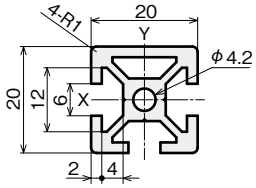

## SF-20・20・1F

Asia



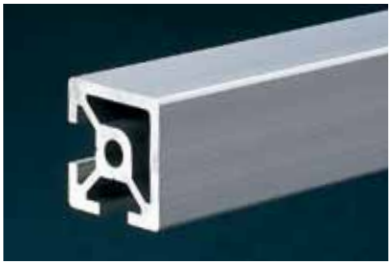
■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=0.83×10⁴mm⁴
Iy=0.75×10⁴mm⁴
Section Modulus ..... Zx=0.78×10³mm³
Zy=0.75×10³mm³
Unit Mass ..... 0.52kg/m

| Name | SF-20・20・1F （ ℓ=4000） | SF-20・20・1F ℓ=50～4000 |
|---|---|---|
| Item No. | SFF-E22-T | SFF-E24-T |



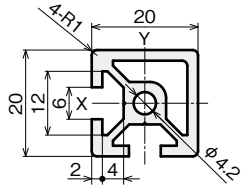

## SF-20・20・2F

Asia



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=0.81×10⁴mm⁴
Iy=0.81×10⁴mm⁴
Section Modulus ..... Zx=0.79×10³mm³
Zy=0.79×10³mm³
Unit Mass ..... 0.53kg/m

| Name | SF-20・20・2F （ ℓ=4000） | SF-20・20・2F ℓ=50～4000 |
|---|---|---|
| Item No. | SFF-F22-T | SFF-F24-T |



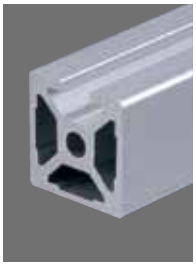

Example of order

**SF Frame**
Standard （ ℓ=4000） (Cut by customer)
Item No. ℓ=4030・Effective range of use ℓ=4000 Quantity (pcs)
**SFF-252-T** □□

In case of specifying the length (Cut by SUS) ※Order by 0.1mm unit
Item No. Length (mm)
**SFF-254-T** ℓ=800

## SF-20•20•3F / SF-20•20•2H

Asia



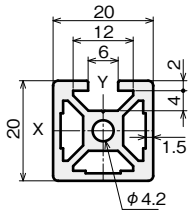


■Material/Technical Data

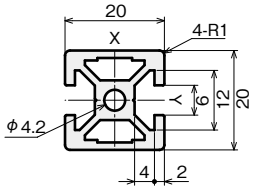
| | | |
|---|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment | |
| Environment | RoHS Compliant<br>Green Procurement | |
| | SF-20•20•3F | SF-20•20•2H |
| Geometrical Moment of Inertia | Ix=0.81×10⁴㎜⁴<br>Iy=0.89×10⁴㎜⁴ | Ix=0.74×10⁴㎜⁴<br>Iy=0.89×10⁴㎜⁴ |
| Section Modulus | Zx=0.78×10³㎜³<br>Zy=0.89×10³㎜³ | Zx=0.74×10³㎜³<br>Zy=0.89×10³㎜³ |
| Unit Mass | 0.56kg/m | 0.54kg/m |

| Name | SF-20・20・3F （ℓ=4000） | SF-20・20・3F ℓ=50～4000 |
|---|---|---|
| Item No. | SFF-FF22 | SFF-FF24-T |

| Name | SF-20・20・2H （ℓ=4000） | SF-20・20・2H ℓ=50～4000 |
|---|---|---|
| Item No. | SFF-FH22-T | SFF-FH24-T |

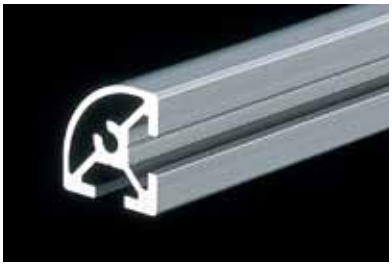



SF-20•20•3F




SF-20•20•2H

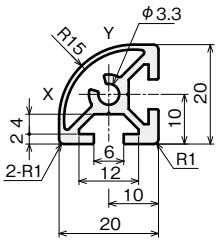
## SF-20•20•R



■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | RoHS Compliant<br>Green Procurement |
| Geometrical Moment of Inertia | Ix=0.55×10⁴㎜⁴<br>Iy=0.55×10⁴㎜⁴ |
| Section Modulus | Zx=0.48×10³㎜³<br>Zy=0.48×10³㎜³ |
| Unit Mass | 0.40kg/m |

| Name | SF-20•20•R （ℓ=4000） | SF-20•20•R ℓ=50～4000 |
|---|---|---|
| Item No. | SFF-R52 | SFF-R54 |




## SF-20•40•1F

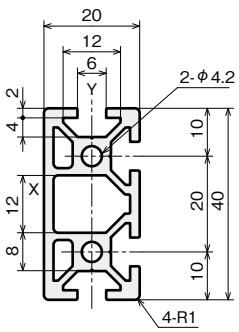
Asia



■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | RoHS Compliant<br>Green Procurement |
| Geometrical Moment of Inertia | Ix=5.40×10⁴㎜⁴<br>Iy=1.53×10⁴㎜⁴ |
| Section Modulus | Zx=2.70×10³㎜³<br>Zy=1.44×10³㎜³ |
| Unit Mass | 0.93kg/m |

| Name | SF-20・40・1F （ℓ=4000） | SF-20•40•1F ℓ=50～4000 |
|---|---|---|
| Item No. | SFF-E242-T | SFF-E244-T |




●Exclusive Nut



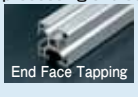
T Nut SS
After Nut SS
Lock Nut SS
Free Nut SS
P30～

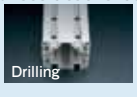
●Exclusive Cap



Frame Cap
P45

●Additional processing and surface treatment are also available.

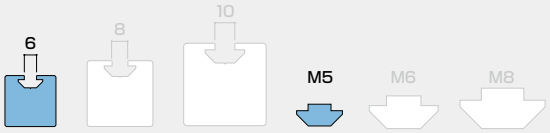

End Face Tapping


Drilling


Slant Cut

P208～

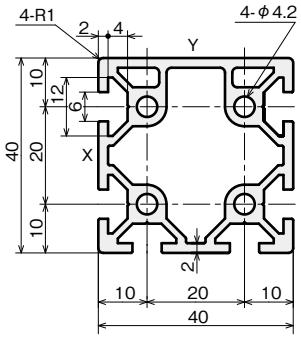
# SF20 SERIES




## SF-40・40・2S・1F



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... **RoHS** Compliant
**Green** Procurement
Geometrical Moment of Inertia ..... Ix=9.78×10⁴㎜⁴
Iy=9.32×10⁴㎜⁴
Section Modulus ..... Zx=5.08×10³㎜³
Zy=4.66×10³㎜³
Unit Mass ..... 1.41kg/m

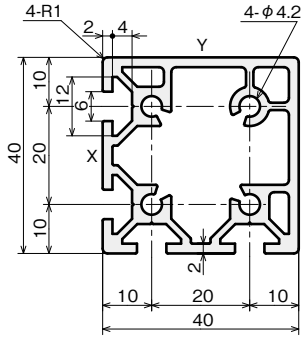



| Name | SF-40・40・2S・1F （ ℓ=4000） | SF-40・40・2S・1F ℓ=50～4000 |
|---|---|---|
| Item No. | SFF-E02W | SFF-E04W |

## SF-40・40・2S・2F



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... **RoHS** Compliant
**Green** Procurement
Geometrical Moment of Inertia ..... Ix=9.60×10⁴㎜⁴
Iy=9.60×10⁴㎜⁴
Section Modulus ..... Zx=4.89×10³㎜³
Zy=4.89×10³㎜³
Unit Mass ..... 1.35kg/m

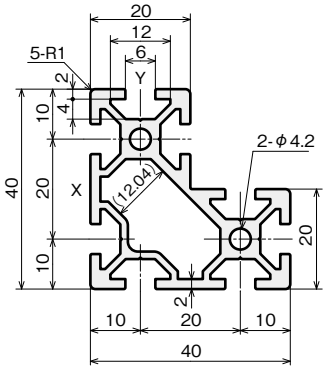



| Name | SF-40・40・2S・2F （ ℓ=4000） | SF-40・40・2S・2F ℓ=50～4000 |
|---|---|---|
| Item No. | SFF-F02W | SFF-F04W |

## SF-20・40・40



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... **RoHS** Compliant
**Green** Procurement
Geometrical Moment of Inertia ..... Ix=6.61×10⁴㎜⁴
Iy=6.61×10⁴㎜⁴
Section Modulus ..... Zx=3.82×10³㎜³
Zy=3.82×10³㎜³
Unit Mass ..... 1.16kg/m




| Name | SF-20・40・40 （ ℓ=4000） | SF-20・40・40 ℓ=50～4000 |
|---|---|---|
| Item No. | SFF-G02 | SFF-G04 |



Example of order

**SF Frame**
Standard（ ℓ=4000） (Cut by customer)
Item No. **SFF-E02W** ℓ=4030・Effective range of use ℓ=4000

Quantity (pcs) □□

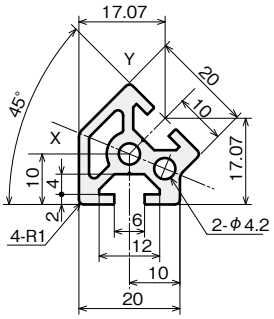
In case of specifying the length (Cut by SUS) ※Order by 0.1mm unit
Item No. **SFF-E04W** Length (mm) ℓ=800

## SF-20·DE45

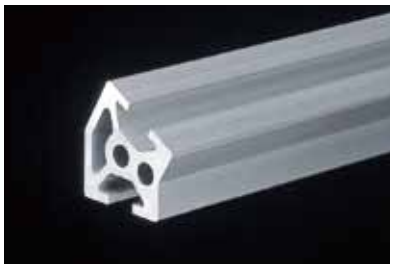


■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... **RoHS** Compliant
**Green** Procurement
Geometrical Moment of Inertia ..... Ix=0.82×10⁴mm⁴
Iy=0.92×10⁴mm⁴
Section Modulus ..... Zx=0.59×10³mm³
Zy=0.69×10³mm³
Unit Mass ..... 0.59kg/m

| Name | SF-20·DE45 ( ℓ=4000) | SF-20·DE45 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-J52B | SFF-J54B |

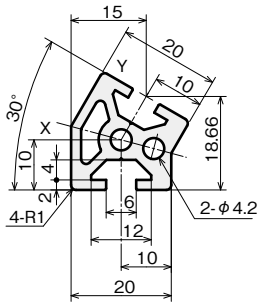



## SF-20·DE30

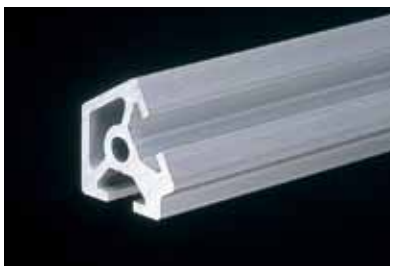


■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... **RoHS** Compliant
**Green** Procurement
Geometrical Moment of Inertia ..... Ix=0.80×10⁴mm⁴
Iy=0.98×10⁴mm⁴
Section Modulus ..... Zx=0.60×10³mm³
Zy=0.77×10³mm³
Unit Mass ..... 0.61kg/m

| Name | SF-20·DE30 ( ℓ=4000) | SF-20·DE30 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-J52A | SFF-J54A |

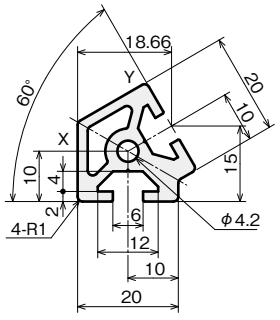



## SF-20·DE60



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... **RoHS** Compliant
**Green** Procurement
Geometrical Moment of Inertia ..... Ix=0.86×10⁴mm⁴
Iy=0.92×10⁴mm⁴
Section Modulus ..... Zx=0.63×10³mm³
Zy=0.73×10³mm³
Unit Mass ..... 0.61kg/m

| Name | SF-20·DE60 ( ℓ=4000) | SF-20·DE60 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-J52C | SFF-J54C |

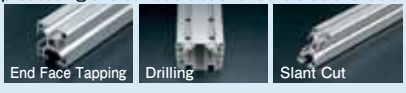



●Exclusive Nut

T Nut SS
After Nut SS
Lock Nut SS
Free Nut SS
P30~

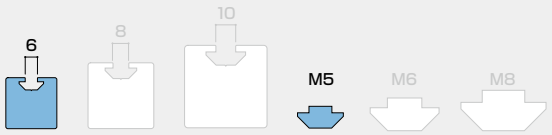
●Exclusive Cap

Frame Cap
P45

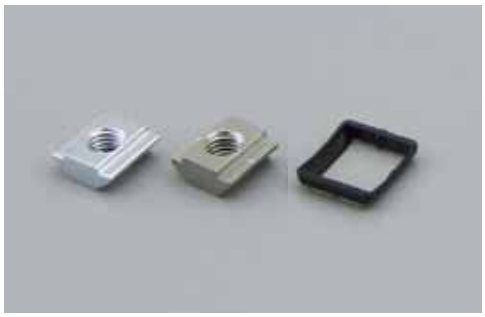
●Additional processing and surface treatment are also available.



P208~

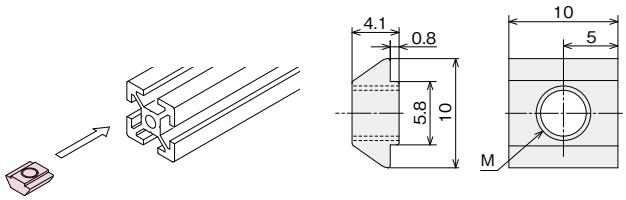
# SF20 SERIES




## T Nut SS （M※） / Anti-Skid Cap SS



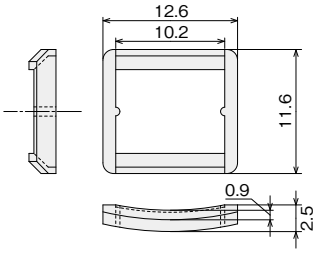
T Nut SS（M※）



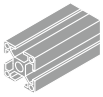

| Name | T Nut SS(M5) 〈ST Nut SS (M5)〉 | T Nut SS(M4) 〈ST Nut SS (M4)〉 | T Nut SS(M3) 〈ST Nut SS (M3)〉 |
|---|---|---|---|
| Item No. | SFB-013〈SFN-TX5〉 | SFB-012〈SFN-TX4〉 | SFB-011〈SFN-TX3〉 |

| Name | Anti-Skid Cap SS (50pcs/pack) |
|---|---|
| Item No. | SFA-905 |

Anti-Skid Cap SS
(for T Nut SS)




■Usable Frame



Compatible to all SF20 series
(Groove Width 6mm)

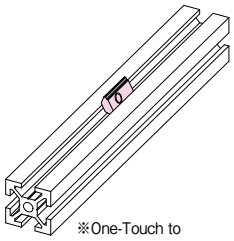
■Material/Technical Data

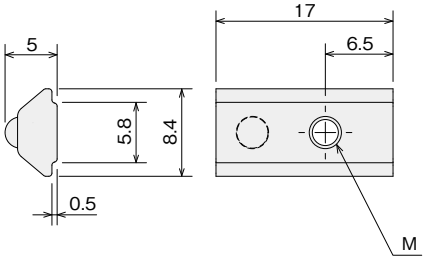
| | T Nut SS | ST Nut SS | Anti-Skid Cap SS |
|---|---|---|---|
| Material | Equivalent to S10C Uni-Chrome | Stainless With conductive function | Black Polyamide |
| Weight | 2g | 2g | 0.09g/piece |

Environment **RoHS** Compliant **Green** Procurement

## Easy Nut SS （M※）






| Name | Easy Nut SS(M5) | Easy Nut SS(M4) | Easy Nut SS(M3) |
|---|---|---|---|
| Item No. | SFB-PN15 | SFB-PN14 | SFB-PN13 |

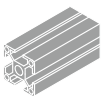
| Name | Easy Nut SS(M5) CN | S Easy Nut SS(M4) Stainless | S Easy Nut SS(M3) Stainless |
|---|---|---|---|
| Item No. | SFB-PN39 | SFN-EX4 | SFN-EX3 |

■Material/Technical Data

| | S Easy Nut SS | Easy Nut SS CN | Easy Nut SS |
|---|---|---|---|
| Material | Stainless With conductive | Equivalent to S10C Ni-plating | Equivalent to S10C Uni-Chrome plating |
| Weight | 4g/piece | | |

Environment **RoHS** Compliant **Green** Procurement

■Usable Frame



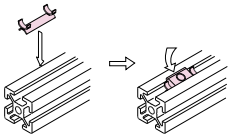
Compatible to all SF20 series
(Groove Width 6mm)

**Parts**
How to order
Item No. Quantity (pcs)
**SFB-013** □□

# After Nut SS（M※）/ After Nut Support SS



※Using After Nut Support together prevents from slipping.

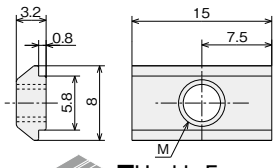


| Name | After Nut SS(M5) ※1〈S After Nut SS(M5)〉 | After Nut SS(M4) 〈S After Nut SS(M4)〉 | After Nut SS(M3) 〈S After Nut SS(M3)〉 |
|---|---|---|---|
| Item No. | SFB-605〈SFB-SH5〉 | SFB-604〈SFN-AX4〉 | SFB-603〈SFN-AX3〉 |

| Name | After Nut Support SS(50pcs/pack) |
|---|---|
| Item No. | SFA-9A1 |

※1 No conductive type with S After Nut SS

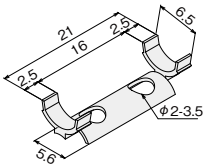
After Nut SS(M※)






■Usable Frame —
Compatible to all SF20 series (Groove Width 6mm)

After Nut Support SS (for After Nut)




■Material/Technical Data

| | After Nut SS | S After Nut SS | After Nut Support SS |
|---|---|---|---|
| Material | Equivalent to S10C Uni-Chrome | Stainless With conductive function | PP Resin |
| Weight | 2g | 2g | 0.10g/piece |

Environment **RoHS** Compliant **Green** Procurement

# Lock Nut SS（M※）/ S Free Nut SS（M※）

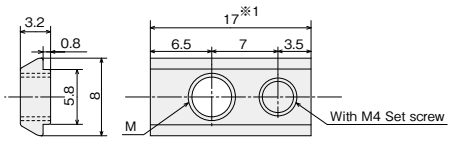




| Name | Lock Nut SS(M5) 〈S Lock Nut SS(M5)〉 | Lock Nut SS(M4) 〈S Lock Nut SS(M4)〉 | Lock Nut SS(M3) 〈S Lock Nut SS(M3)〉 |
|---|---|---|---|
| Item No. | ★SFB-4D5〈★SFB-SD5〉 | ★SFB-4D4〈★SFN-LX4〉 | ★SFB-4D3〈★SFN-LX3〉 |

| Name | S Free Nut SS(M4) | S Free Nut SS(M3) |
|---|---|---|
| Item No. | ★SFN-FX4 | ★SFN-FX3 |

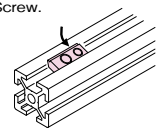
Lock Nut SS（M※）



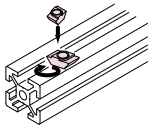

※1 M3 and M4: Length 15

Lock Nut SS（M※）

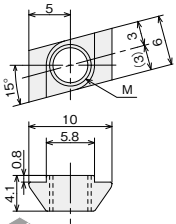
※You can fix Nut and conduct electricity by tightening attached Set Screw.



S Free Nut SS



Free Nut SS(M※)






■Usable Frame —
Compatible to all SF20 series (Groove Width 6mm)

■Material/Technical Data

| | Lock Nut SS | Lock Nut SS | S Free Nut SS |
|---|---|---|---|
| Material | Equivalent to S10C Uni-Chrome | Stainless | Stainless With conductive function |
| Weight | 2g | 2g | 1g |

Environment ★**RoHS** Compliant ★**Green** Procurement

# Joint Bar SS 120 / T Nut SS Material After Nut SS Material





| Name(Single Item) | Joint Bar SS120 |
|---|---|
| Item No. | ★SFJ-605 |

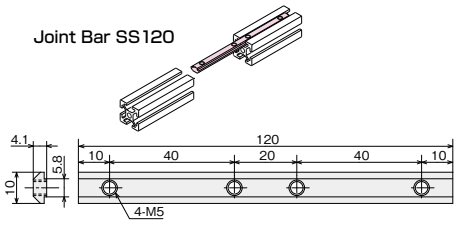
| Name(With Set Screw) | Joint Bar SS120 Kit |
|---|---|
| Item No. | ★SFK-605 |

| Name | T Nut SS Material ℓ=(2800) 〈ST Nut SS Material ℓ=(2800)〉 | T Nut SS Material ℓ=450 〈ST Nut SS Material ℓ=450〉 |
|---|---|---|
| Item No. | ★SFX-105〈★SFX-001〉 | ★SFX-125〈★SFX-S05〉 |

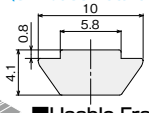
| Name | After Nut SS Material ℓ=(2800) 〈S After Nut SS Material ℓ=(2800)〉 | After Nut SS Material ℓ=450 〈S After Nut SS Material ℓ=450〉 |
|---|---|---|
| Item No. | ★SFX-106〈★SFX-006〉 | ★SFX-126〈★SFX-S06〉 |

・Note： T nut material will be delivered without plating.

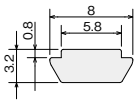
Joint Bar SS120

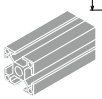



T Nut SS Material 〈ST Nut SS Material〉




After Nut SS Material



■Usable Frame —
Compatible to all SF20 series (Groove Width 6mm)

■Joint Bar SS120 Kit contents—
●Joint Bar SS120×1
●Set screw(M5×5)×4

■Material/Technical Data

| | Joint Bar SS120 | T Nut SS Material After Nut SS Material | ST Nut SS Material S After Nut SS Material |
|---|---|---|---|
| Material | Equivalent to S10C Uni-Chrome plating | Equivalent to S10C Not plating | SUS303 |
| Weight | about 25g | 250g/m(T Nut SS) 170g/m(After Nut SS) | 256g/m(ST Nut SS) 174g/m(S After Nut SS) |

Environment ★**RoHS** Compliant ★**Green** Procurement

We sell Nut Material and Bracket Material as well.

T Nut SS Material P31

●Hard Bracket SS Material
●Angle Bracket SS Material

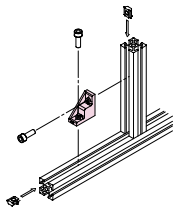


# SF20 SERIES

6 8 10 M5 M6 M8

## D Bracket SS

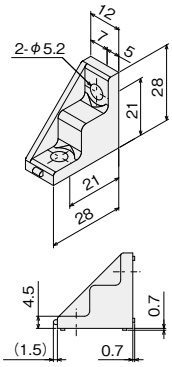




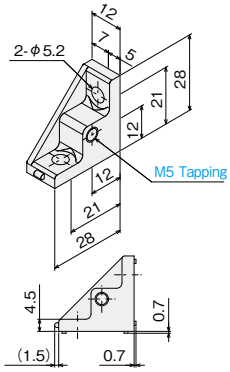
| Name(Single Item) | D Bracket SS ⟨D Bracket SS with Tap⟩ | D Bracket SS-CN ⟨D Bracket SS-CN with Tap⟩ |
|---|---|---|
| Item No. | ★SFJ-016⟨★SFJ-017⟩ | ★SFJ-016N⟨★SFJ-017N⟩ |

| Name(Bolt and Nut Kit) | D Bracket SS Kit ⟨D Bracket SS Kit with Tap⟩ | D Bracket SS(Stainless)Kit ⟨D Bracket SS with Tap (Stainless) Kit⟩ | D Bracket SS-CN Kit ⟨D Bracket SS-CN Kit with Tap⟩ |
|---|---|---|---|
| Item No. | ★SFK-016⟨★SFK-017⟩ | ★SFK-016S⟨★SFK-017S⟩ | ★SFK-016N⟨★SFK-017N⟩ |

D Bracket SS

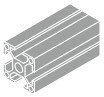



D Bracket SS with Tap




Please use Kit with Tap to install Side Cover. (Refer P47 for details.)

■Usable Frame



Compatible to all SF20 series (Groove Width 6mm)

■Kit Contents

- ●D Bracket SS⟨or with Tap⟩×1
- ●Hexagon Socket Bolt (M5×10)×2
- ●T Nut SS(M5)×2

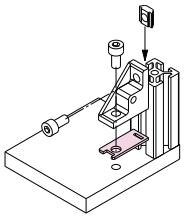
※Bolt and Nut in CN (Stainless) Kit are Stainless.

■Material/Technical Data

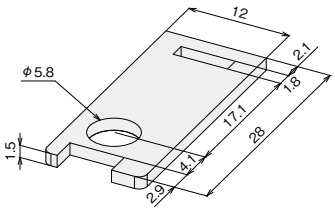
Material Aluminum Die-Cast (CN:Electroless nickel plating) With Anti-Skid Function
Weight 11g
Environment ★RoHS Compliant ★Green Procurement

## D Bracket Spacer SS



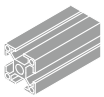


●Setting to bottom of D Bracket enables to fix on a flat base.




| Name | D Bracket Spacer SS |
|---|---|
| Item No. | SFJ-400S |

■Usable Frame



Compatible to all SF20 series (Groove Width 6mm)

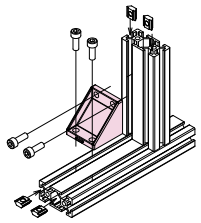
■Material/Technical Data

Material SUS304
Weight 4g
Environment RoHS Compliant Green Procurement

## D Bracket 2040







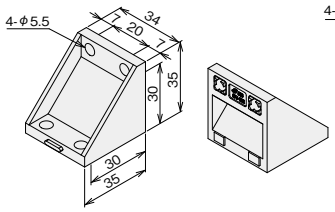
| Name(Single Item) | D Bracket 2040 ⟨D Bracket 2040 with Tap⟩ |
|---|---|
| Item No. | SFJ-020⟨SFJ-020T⟩ |

| Name(Bolt and Nut Kit) | D Bracket 2040 Kit ⟨D Bracket 2040 Kit with Tap⟩ | D Bracket 2040 (Stainless) Kit ⟨D Bracket 2040 with Tap (Stainless) Kit⟩ |
|---|---|---|
| Item No. | SFK-020⟨SFK-020T⟩ | SFK-020S⟨SFK-020P⟩ |

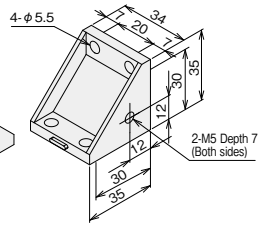
| Name(Single Item) | D Bracket 2040-CN ⟨D Bracket 2040-CN with Tap⟩ |
|---|---|
| Item No. | SFJ-020N⟨SFJ-020C⟩ |

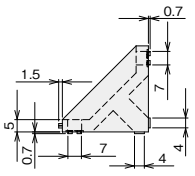
| Name(Bolt and Nut Kit) | D Bracket 2040-CN Kit ⟨D Bracket 2040-CN Kit with Tap⟩ |
|---|---|
| Item No. | SFK-020N⟨SFK-020C⟩ |

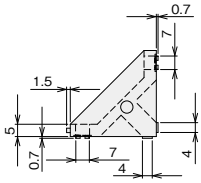
D Bracket 2040




D Bracket 2040 with Tap

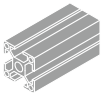



Please use Kit with Tap to install Side Cover. (Refer P47 for details.)

■Usable Frame



Compatible to all SF20 series (Groove Width 6mm)

■Kit Contents

- ●D Bracket 2040⟨or with Tap⟩×1
- ●Hexagon Socket Bolt (M5×10)×4
- ●T Nut SS(M5)×4

※Bolt and Nut in CN (Stainless) Kit are stainless.

■Material/Technical Data

Material Aluminum Die-Cast (CN:Electroless Nickel Plating) With Anti-Skid Function
Weight 35g
Environment RoHS Compliant Green Procurement

Example of order

**Parts How to order**

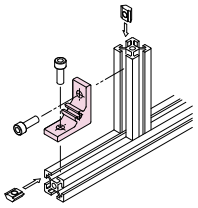
Item No. SFJ-016 Quantity (pcs) □□

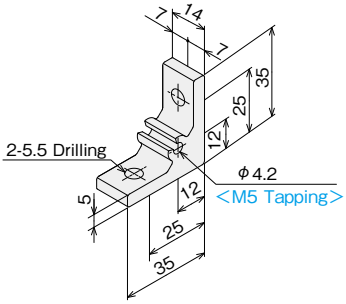
●Cap for Bracket P45



# Hard Bracket SS








Please use Kit with Tap to install Side Cover. (Refer P47 for details.)

| Name(Single Item) | Hard Bracket SS ⟨Hard Bracket SS with Tap⟩ |
|---|---|
| Item No. | ★SFJ-N01⟨★SFJ-N01T⟩ |

| Name(Bolt and Nut Kit) | Hard Bracket SS Kit ⟨Hard Bracket SS Kit with Tap⟩ | Hard Bracket SS(Stainless)Kit ⟨Hard Bracket SS with Tap (Stainless) Kit⟩ |
|---|---|---|
| Item No. | ★SFK-N01⟨★SFK-N01T⟩ | ★SFK-N01S⟨★SFK-N01P⟩ |

■Usable Frame —
Compatible to all SF20 series (Groove Width 6mm)

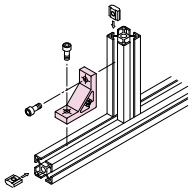
■Kit Contents
- ●Hard Bracket SS⟨or with Tap⟩×1
- ●Hexagon Socket Bolt (M5×10)×2
- ●T Nut SS(M5)×2

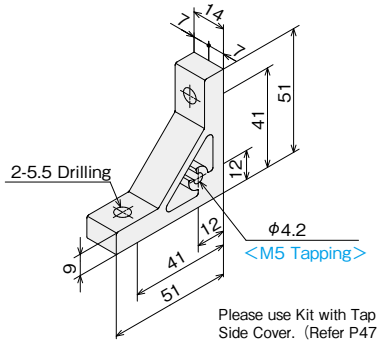
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Perpendicular surface is machining finished.
Weight 15g
Environment ★RoHS Compliant
★Green Procurement

# Hard Bracket SSG








Please use Kit with Tap to install Side Cover. (Refer P47 for details.)

| Name(Single Item) | Hard Bracket SSG ⟨Hard Bracket SSG with Tap⟩ |
|---|---|
| Item No. | ★SFJ-N23⟨★SFJ-N23T⟩ |

| Name(Bolt and Nut Kit) | Hard Bracket SSG Kit ⟨Hard Bracket SSG Kit with Tap⟩ | Hard Bracket SSG(Stainless)Kit ⟨Hard Bracket SSG with Tap(Stainless)Kit⟩ |
|---|---|---|
| Item No. | ★SFK-N23⟨★SFK-N23T⟩ | ★SFK-N23S⟨★SFK-N23P⟩ |

■Usable Frame —
Compatible to all SF20 series (Groove Width 6mm)

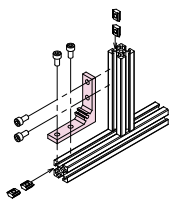
■Kit Contents
- ●Hard Bracket SSG⟨or with Tap⟩×1
- ●Hexagon Socket Bolt(M5×14)×2
- ●T Nut SS(M5)×2

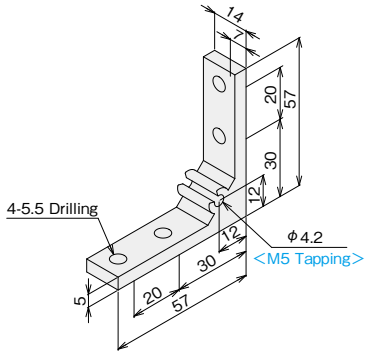
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Perpendicular surface is machining finished.
Weight 31g
Environment ★RoHS Compliant
★Green Procurement

# Hard Bracket SSW2020








Please use Kit with Tap to install Side Cover. (Refer P47 for details.)

| Name(Single Item) | Hard Bracket SSW2020 ⟨Hard Bracket SSW2020 with Tap⟩ |
|---|---|
| Item No. | SFJ-N14⟨SFJ-N14T⟩ |

| Name(Bolt and Nut Kit) | Hard Bracket SSW2020 Kit ⟨Hard Bracket SSW2020 Kit with Tap⟩ | Hard Bracket SSW2020(Stainless)Kit ⟨Hard Bracket SSW2020 with Tap(Stainless)Kit⟩ |
|---|---|---|
| Item No. | SFK-N14⟨SFK-N14T⟩ | SFK-N14S⟨SFK-N14P⟩ |

■Usable Frame —
Compatible to all SF20 series (Groove Width 6mm)

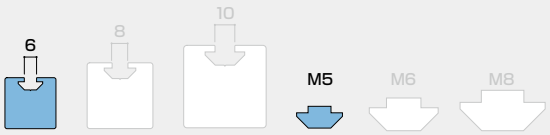
■Kit Contents
- ●Hard Bracket SSW2020⟨or with Tap⟩×1
- ●Hexagon Socket Bolt (M5×10)×4
- ●T Nut SS(M5)×4

※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
(Special order:Black Alumite is also available.)
Perpendicular surface is machining finished.
Weight 22g
Environment RoHS Compliant
Green Procurement

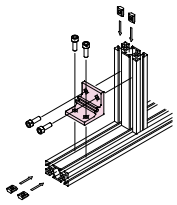
We sell Nut Material and Bracket Material as well.
T Nut SS Material P31
●Hard Bracket SS Material
●Angle Bracket SS Material
Material Frame

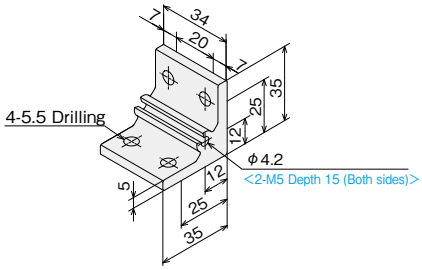
# SF20 SERIES




## Hard Bracket SS2040





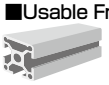



Please use Kit with Tap to install Side Cover. (Refer P47 for details.)

| Name(Single Item) | Hard Bracket SS2040 〈Hard Bracket SS2040 with Tap〉 |
|---|---|
| Item No. | ★SFJ-N02〈★SFJ-N02T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket SS2040 Kit 〈Hard Bracket SS2040 Kit with Tap〉 | Hard Bracket SS2040(Stainless)Kit 〈Hard Bracket SS2040 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | ★SFK-N02〈★SFK-N02T〉 | ★SFK-N02S〈★SFK-N02P〉 |

■Usable Frame



SF-20-40/SF-40-40-2S/SF-40-60-SS/ SF-20-40-40(1F)

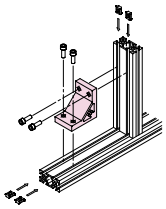
■Kit Contents
- ●Hard Bracket SS2040〈or with Tap〉×1
- ●Hexagon Socket Bolt (M5×10)×4
- ●T Nut SS(M5)×4

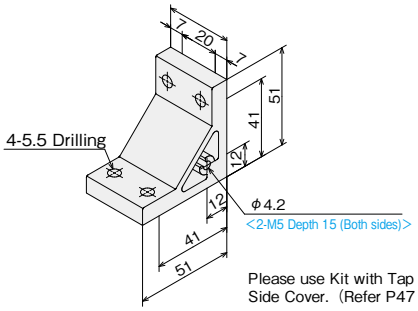
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
- Material Aluminium Alloy
  Alumite Treatment
  Perpendicular surface is machining finished.
- Weight 36g
- Environment ★RoHS Compliant
  ★Green Procurement

## Hard Bracket SSG2040








Please use Kit with Tap to install Side Cover. (Refer P47 for details.)

| Name(Single Item) | Hard Bracket SSG2040 〈Hard Bracket SSG2040 with Tap〉 |
|---|---|
| Item No. | ★SFJ-N24〈★SFJ-N24T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket SSG2040 Kit 〈Hard Bracket SSG2040 Kit with Tap〉 | Hard Bracket SSG2040(Stainless)Kit 〈Hard Bracket SSG2040 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | ★SFK-N24〈★SFK-N24T〉 | ★SFK-N24S〈★SFK-N24P〉 |

■Usable Frame



SF-20-40/SF-40-40-2S/SF-40-60-SS/ SF-20-40-40(1F)

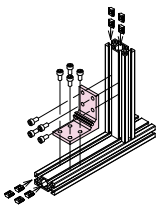
■Kit Contents
- ●Hard Bracket SSG2040〈or with Tap〉×1
- ●Hexagon Socket Bolt (M5×14)×4
- ●T Nut SS(M5)×4

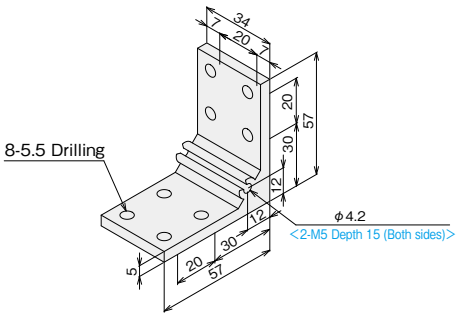
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
- Material Aluminium Alloy
  Alumite Treatment
  Perpendicular surface is machining finished.
- Weight 75g
- Environment ★RoHS Compliant
  ★Green Procurement

## Hard Bracket SSW2040





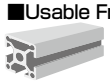



Please use Kit with Tap to install Side Cover. (Refer P47 for details.)

| Name(Single Item) | Hard Bracket SSW2040 〈Hard Bracket SSW2040 with Tap〉 |
|---|---|
| Item No. | SFJ-N15〈SFJ-N15T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket SSW2040 Kit 〈Hard Bracket SSW2040 Kit with Tap〉 | Hard Bracket SSW2040(Stainless)Kit 〈Hard Bracket SSW2040 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | SFK-N15〈SFK-N15T〉 | SFK-N15S〈SFK-N15P〉 |

■Usable Frame



SF-20-40/SF-40-40-2S/SF-40-60-SS/ SF-20-40-40(1F)

■Kit Contents
- ●Hard Bracket SSW2040〈or with Tap〉×1
- ●Hexagon Socket Bolt (M5×10)×8
- ●T Nut SS(M5)×8

※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
- Material Aluminium Alloy
  Alumite Treatment
  (Special order:Black Alumite is also available.)
  Perpendicular surface is machining finished.
- Weight 56g
- Environment RoHS Compliant
  Green Procurement

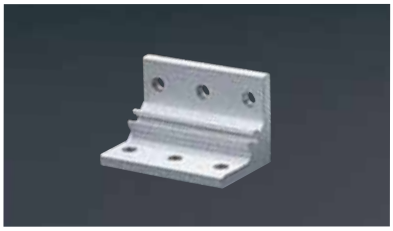
Example of order

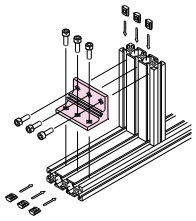
**Parts**
How to order
Item No. Quantity (pcs)
**SFJ-N02** □□

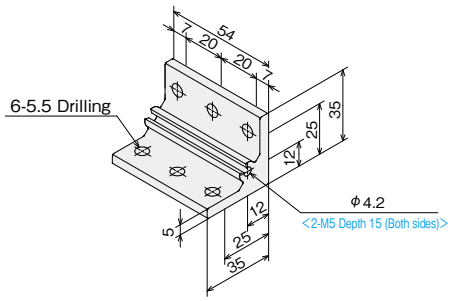
●Cap for Bracket
P45



# Hard Bracket SS2060





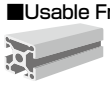



Please use Kit with Tap to install Side Cover. (Refer P47 for details.)

| Name(Single Item) | Hard Bracket SS2060 〈Hard Bracket SS2060 with Tap〉 |
|---|---|
| Item No. | SFJ-N09〈SFJ-N09T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket SS2060 Kit 〈Hard Bracket SS2060 Kit with Tap〉 | Hard Bracket SS2060(Stainless)Kit 〈Hard Bracket SS2060 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | SFK-N09〈SFK-N09T〉 | SFK-N09S〈SFK-N09P〉 |

■Usable Frame



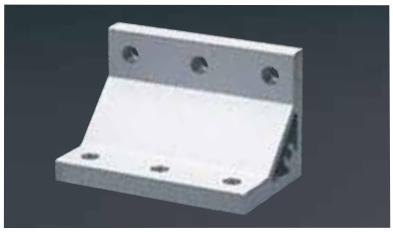
SF-20·60
SF-40·60

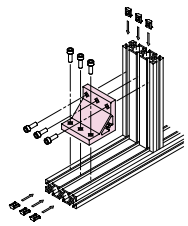
■Kit Contents
- Hard Bracket SS2060〈or with Tap〉×1
- Hexagon Socket Bolt (M5×10)×6
- T Nut SS(M5)×6

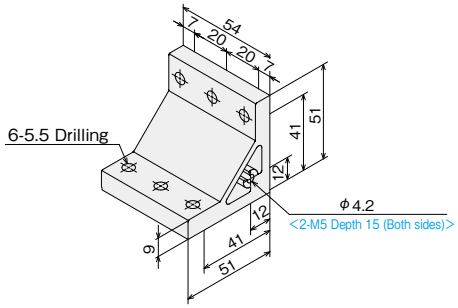
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
(Special Order:Black Alumite is also available.)
Perpendicular surface is machining finished.
Weight 60g
Environment RoHS Compliant
Green Procurement

# Hard Bracket SSG2060








Please use Kit with Tap to install Side Cover. (Refer P47 for details.)

| Name(Single Item) | Hard Bracket SSG2060 〈Hard Bracket SSG2060 with Tap〉 |
|---|---|
| Item No. | SFJ-N25〈SFJ-N25T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket SSG2060 Kit 〈Hard Bracket SSG2060 Kit with Tap〉 | Hard Bracket SSG2060(Stainless)Kit 〈Hard Bracket SSG2060 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | SFK-N25〈SFK-N25T〉 | SFK-N25S〈SFK-N25P〉 |

■Usable Frame



SF-20·60
SF-40·60

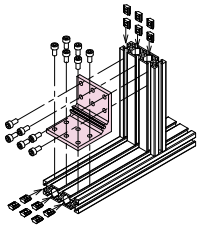
■Kit Contents
- Hard Bracket SSG2060〈or with Tap〉×1
- Hexagon Socket Bolt (M5×14)×6
- T Nut SS(M5)×6

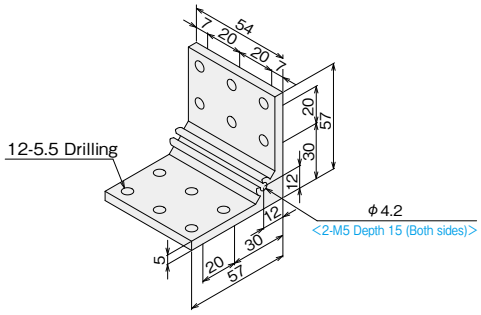
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
(Special Order:Black Alumite is also available.)
Perpendicular surface is machining finished.
Weight 119g
Environment RoHS Compliant
Green Procurement

# Hard Bracket SSW2060








Please use Kit with Tap to install Side Cover. (Refer P47 for details.)

| Name(Single Item) | Hard Bracket SSW2060 〈Hard Bracket SSW2060 with Tap〉 |
|---|---|
| Item No. | SFJ-N16〈SFJ-N16T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket SSW2060 Kit 〈Hard Bracket SSW2060 Kit with Tap〉 | Hard Bracket SSW2060(Stainless)Kit 〈Hard Bracket SSW2060 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | SFK-N16〈SFK-N16T〉 | SFK-N16S〈SFK-N16P〉 |

■Usable Frame



SF-20·60
SF-40·60

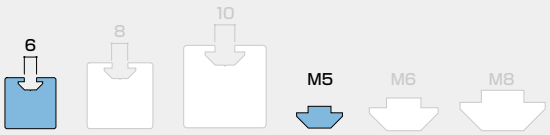
■Kit Contents
- Hard Bracket SSW2060〈or with Tap〉×1
- Hexagon Socket Bolt (M5×10)×12
- T Nut SS(M5)×12

※Bolt and Nut in (Stainless) Kit are stainless.

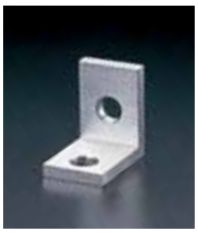
■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
(Special Order:Black Alumite Treatment)
Perpendicular surface is machining finished.
Weight 89g
Environment RoHS Compliant
Green Procurement

We sell Nut Material and Bracket Material as well.
T Nut SS Material P31
●Hard Bracket SS Material
●Angle Bracket SS Material
Material Frame

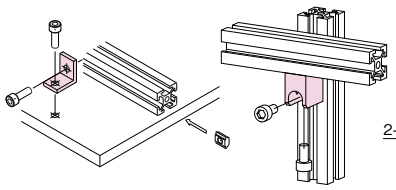
# SF20 SERIES



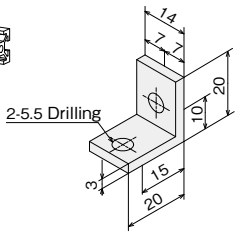

## Angle Bracket SS / Angle Bracket Hard SS



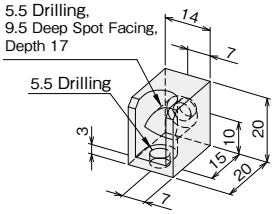




Angle Bracket SS



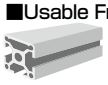

Angle Bracket Hard SS




| Name(Single Item) | Angle Bracket SS | Angle Bracket Hard SS |
|---|---|---|
| Item No. | ★SFJ-A01 | ★SFJ-A14 |

| Name(Bolt and Nut Kit) | Angle Bracket SS Kit ⟨Angle Bracket SS(Stainless) Kit⟩ | Angle Bracket Hard SS Kit ⟨Angle Bracket Hard SS(Stainless) Kit⟩ |
|---|---|---|
| Item No. | ★SFK-A01⟨★SFK-A01S⟩ | ★SFK-A14⟨★SFK-A14S⟩ |

■Usable Frame



Compatible to all SF20 series (Groove Width 6mm)

■Kit Contents
- Angle Bracket SS⟨or Hard⟩×1
- Hexagon Socket Bolt (M5×8)×2
- T Nut SS(M5)×2

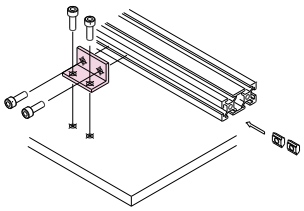
※Bolt and Nut in (Stainless) Kit are stainless.

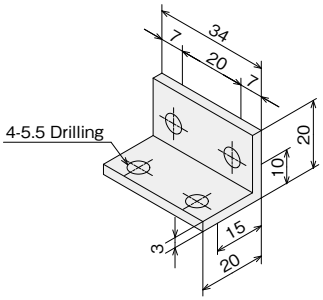
■Material/Technical Data

| | Angle Bracket SS | Angle Bracket hard SS |
|---|---|---|
| Material | Aluminium Alloy Alumite Treatment | A6063 Alumite Treatment |
| Weight | 4g | 9g |
| Environment | ★RoHS Compliant ★Green Procurement | |

## Angle Bracket SS2040








| Name(Single Item) | Angle Bracket SS2040 |
|---|---|
| Item No. | ★SFJ-A02 |

| Name(Bolt and Nut Kit) | Angle Bracket SS2040 Kit ⟨Angle Bracket SS2040(Stainless) Kit⟩ |
|---|---|
| Item No. | ★SFK-A02⟨★SFK-A02S⟩ |

■Usable Frame



SF-20·40/1F
SF-20·40·40

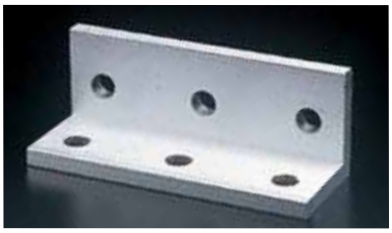
■Kit Contents
- Angle Bracket SS2040×1
- Hexagon Socket Bolt (M5×8)×4
- T Nut SS(M5)×4

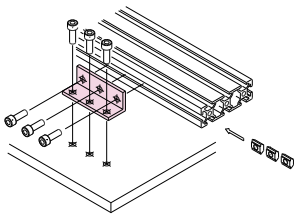
※Bolt and Nut in (Stainless) Kit are stainless.

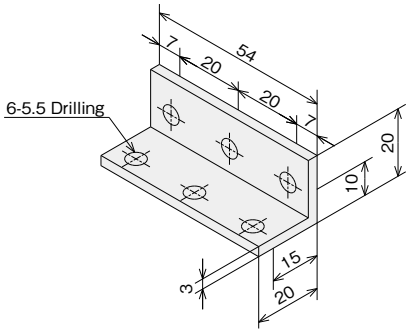
■Material/Technical Data

Material Aluminium Alloy Alumite Treatment
Weight 10g
Environment ★RoHS Compliant ★Green Procurement

## Angle Bracket SS2060



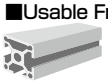





| Name(Single Item) | Angle Bracket SS2060 |
|---|---|
| Item No. | SFJ-A09 |

| Name(Bolt and Nut Kit) | Angle Bracket SS2060 Kit ⟨Angle Bracket SS2060(Stainless) Kit⟩ |
|---|---|
| Item No. | SFK-A09⟨SFK-A09S⟩ |

■Usable Frame



SF-20·60

■Kit Contents
- Angle Bracket SS2060×1
- Hexagon Socket Bolt (M5×8)×6
- T Nut SS(M5)×6

※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data

Material Aluminium Alloy Alumite Treatment
Weight 15g
Environment RoHS Compliant Green Procurement

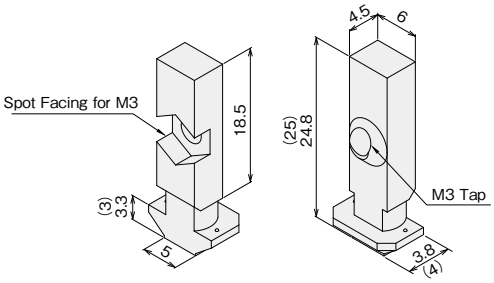
Example of order

**Parts**
How to order
Item No. Quantity (pcs)
**SFJ-A01** □□

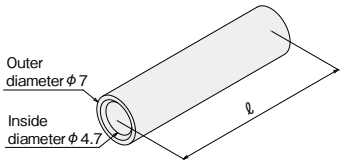
# QC Joint SS



QC Joint SS(Common Parts)




SS Round metal tool




| | SS Kit | SS40 Kit | SS60 Kit |
|---|---|---|---|
| ℓ | 8 | 28 | 48 |

| Name | QC Joint SS Kit | QC Joint SS40 Kit | QC Joint SS60 Kit |
|---|---|---|---|
| Item No. | SFK-Q20 | SFK-Q21 | SFK-Q22 |

Kit Contents

| Kit Name | QC Joint | Round metal tool | Bolt |
|---|---|---|---|
| QC Joint SS Kit | QC Joint SS ×1set | SS Round metal tool 20×1 | Hexagon Socket Bolt (M3×15)Stainless×1 |
| QC Joint SS40 Kit | | SS Round metal tool 40×1 | Hexagon Socket Bolt (M3×35)Stainless×1 |
| QC Joint SS60 Kit | | SS Round metal tool 60×1 | Hexagon Socket Bolt (M3×55)Stainless×1 |

■Material/Technical Data

Material **QC Joint SS** Stainless With Conductive Function — **Round metal tool** Stainless

Weight 14g(SS Kit) 18g(SS40 Kit) 23g(SS60 Kit)

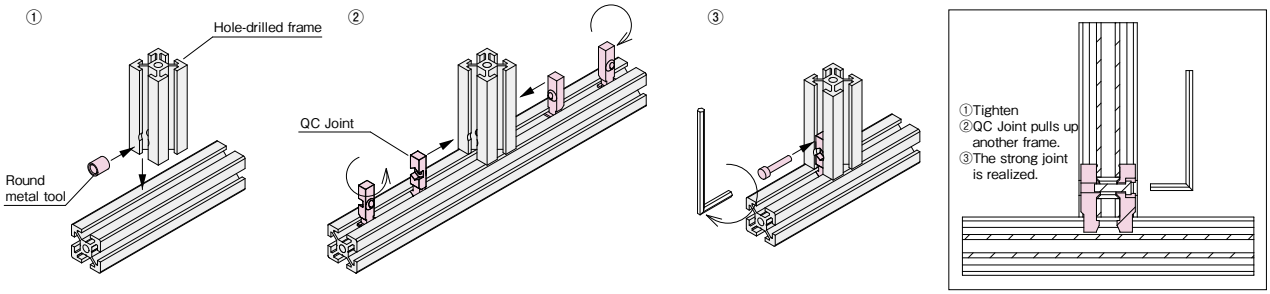
Environment **RoHS** Compliant **Green** Procurement

## QC Joint SS

〈Characteristics〉

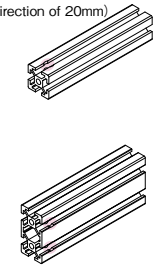
It's easy to set vertically and hardly make gap, because 2 frames are pulled at each other to combine. Also, you don't have to let nuts into frame in advance, and strong fixing is possible by one bolt, so the assembly man-hour is reduced.

〈How to assemble〉

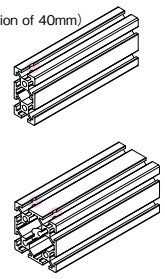



〈Example of kit selection〉

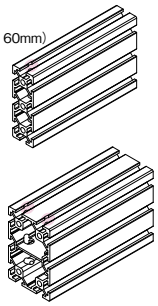
●QC Joint SS Kit
(For drilled hole to the direction of 20mm)



●QC Joint SS40 Kit
(For drilled hole to the direction of 40mm)

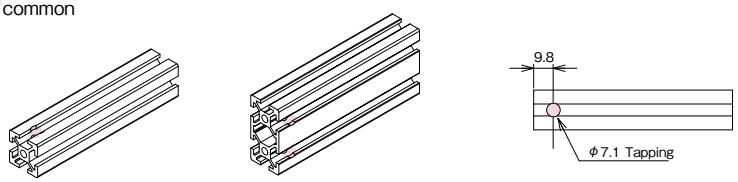


●QC Joint SS60 Kit
(For drilled hole to the direction of 60mm)



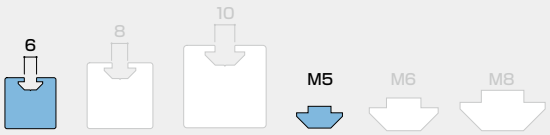
〈Drilling〉

SF-20 in common

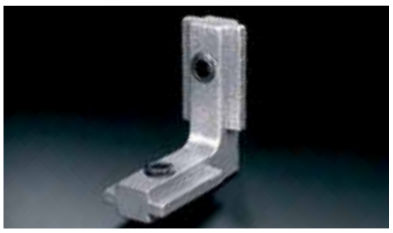


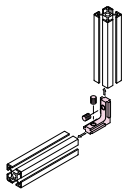

We sell Nut Material and Bracket Material as well.
T Nut SS Material P31
●Hard Bracket SS Material
●Angle Bracket SS Material
Material Frame

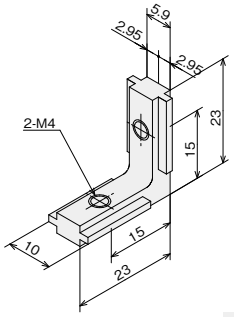
# SF20 SERIES




## S Blind Bracket SS








| Name | S Blind Bracket SS |
|---|---|
| Item No. | SFK-600S |

■Usable Frame

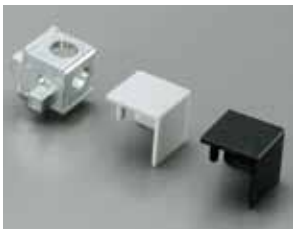


Compatible to all SF20 series (Groove Width 6mm)

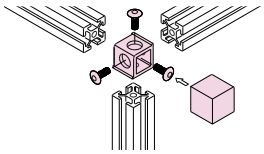
■Material/Technical Data

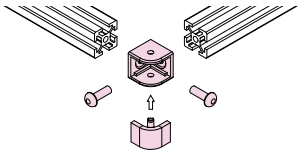
Material Stainless(SCS13)
(2 Set Screws M4×5 Stainless Included.)
Weight 11g
Environment RoHS Compliant
Green Procurement

## Block Bracket SS Kit / Corner Block SS Kit



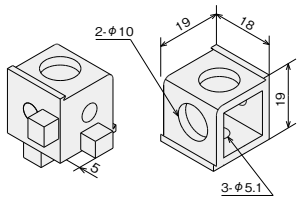




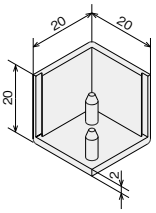




※Hold the Pin edge to insert Cap.

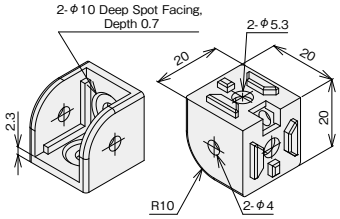
Block Bracket SS



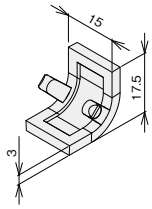

Block Cap SS




Corner Block SS



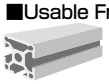

Corner Cap SS




| Name | Block Bracket SS Kit (Black) | (Light Gray) |
|---|---|---|
| Item No. | SFK-Q11 | SFK-Q11G |

| Name | Corner Block SS Kit (Black) | (Light Gray) |
|---|---|---|
| Item No. | SFK-Q61 | SFK-Q61G |

■Usable Frame



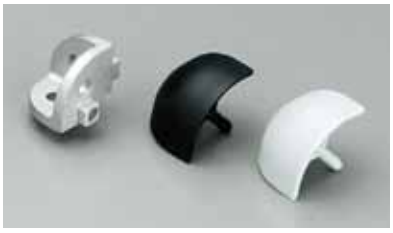
〈Block Bracket SS Kit〉 SF-20·20(1F/2F)
〈Corner Block SS Kit〉 SF-20·20(1F/2F/3F/2H)

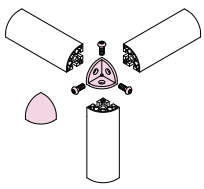
■Material/Technical Data

| | Block Bracket SS | Corner Block SS |
|---|---|---|
| Material | Zinc Die-Cast(Block Bracket SS) | Stainless(Corner Block SS) |
| | Polyamide(Block Cap SS) | Polyamide(Corner Cap SS) |
| | Hexagon Socket Button Bolt (M5×15)3 pcs (Block Bracket) | Hexagon Socket Button Bolt (M5×15)2 pcs (Corner Block) |
| Weight | 27g(Block Bracket SS) | 23g(Corner Block SS) |
| | 3g(Block Cap SS) | 2g(Corner Cap SS) |
| Environment | RoHS Compliant | |

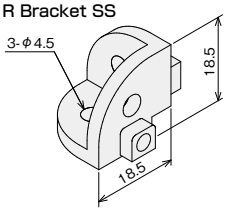
※M5 Tap Processing is needed to the section of SF20·20 (or 1F/2F). (Refer P209~ for details.)
※Corner block SS Kit is installable by Tapping Bolt as well.

## R Bracket SS Kit

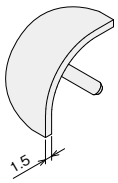




R Bracket SS




R Cap SS




| Name | R Bracket SS Kit (Black) | (Light Gray) |
|---|---|---|
| Item No. | SFK-R01 | SFK-R01G |

■Usable Frame



SF-20·20·R

■Material/Technical Data

| | R Bracket SS | R Cap SS |
|---|---|---|
| Material | Stainless(SCS13) | Polyamide |
| | Hexagon Socket Bolt (M4×12)3 pcs | Color/Black·Light gray |
| Weight | 18g | 2g |
| Environment | RoHS Compliant | |

※M4 Tap Processing is needed to the section of SF-20·20·R to mount.(Refer P209~ for details.)

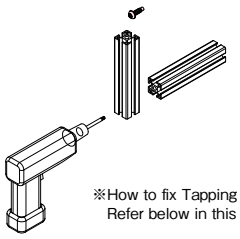
Example of order

**Parts**
How to order
Item No. Quantity (pcs)
**SFK-600S** □□

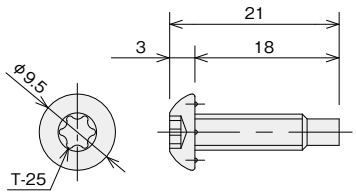
●Cap for Bracket
P45

# Tapping Bolt SS





※How to fix Tapping Bolt
Refer below in this page.




| Name | Tapping Bolt SS |
|---|---|
| Item No. | SFB-T20 |

■Usable Frame



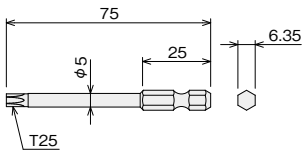
SF-20·20(1F/2F/3F/2H)
SF-20·40(1F)
SF-20·60/20·80
SF-40·40·2S(1F/2F)

■Material/Technical Data

Material SWCH18A
Uni-Chrome Plating
Weight 2g
Environment **RoHS** Compliant
**Green** Procurement

# Torque Bit T25 / Torque Driver T25






Weight 13g

| Name | Torque Bit T25 |
|---|---|
| Item No. | SFA-JT25 |

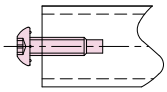


Weight 78g

| Name | Torque Driver T25 |
|---|---|
| Item No. | SFA-T25H |

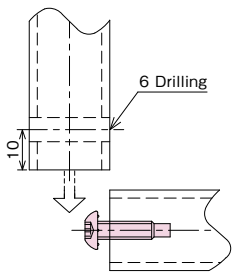
## How to fix Tapping Bolt

①



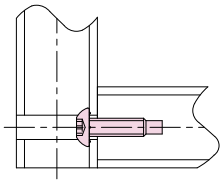
Fix the frame with jig etc, and screw the Tapping Bolt halfway into the end face. (Temporary joint)
※ In case it is too tight, please use cutting oil.

②




Put the bolt head through T slot of another frame.

③

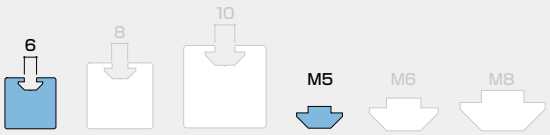


Tighten by Manual tool to fix.
※Manual tool is recommended, because the reaction of torque up is big by using electric drill.

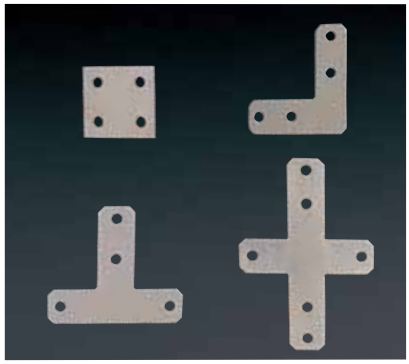
GO ●Drillid by SUS Processing Symbol P216~

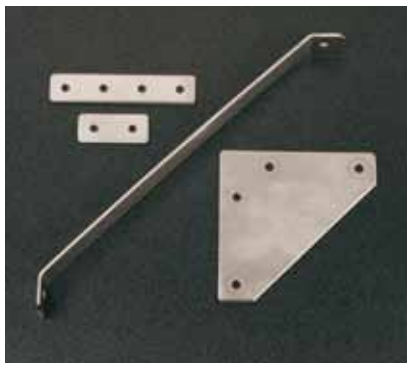
We sell Nut Material and Bracket Material as well.
T Nut SS Material P31
●Hard Bracket SS Material
●Angle Bracket SS Material
Material Frame

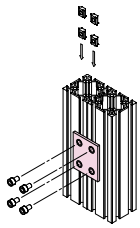
# SF20 SERIES




## Plate Bracket







### ■Usable Frame



Compatible to all SF20 series
(Groove Width 6mm)

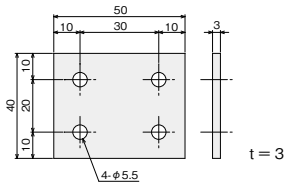
### ■Kit Contents

Refer table for right

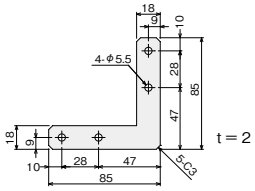
### ■Material/Technical Data

| Name | Weight(g) | Material | Environment |
|---|---|---|---|
| Plate Bracket SSG | 46 | SUS304 | RoHS Compliant Green Procurement |
| S Plate Bracket SS-L | 54 | | |
| S Plate Bracket SS-T | 56 | | |
| S Plate Bracket SS-+ | 78 | | |
| Plate Bracket SS-H2 | 8.3 | | |
| Plate Bracket SS-H4 | 18.7 | | |
| Corner Support Bracket SS | 65 | | |
| Corner Support Plate SS | 104 | | |

### S Plate Bracket SSG

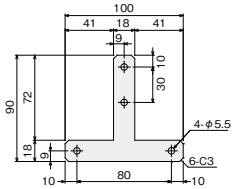



### S Plate Bracket SS-L Type

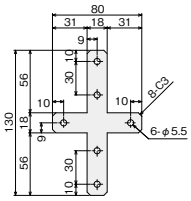



| Name | S Plate Bracket SSG | S Plate Bracket SSG Kit | S Plate Bracket SS-L type | S Plate Bracket SS-L type Kit |
|---|---|---|---|---|
| Item No. | SFJ-121S | SFK-121S | SFJ-109S | SFK-109S |
| Kit Contents | ●Plate Bracket SSG×1<br>●Hexagon Socket Bolt (M5×8)Stainless×4<br>●ST Nut SS (M5)×4 | | ●S Plate Bracket SS-L type×1<br>●Hexagon Socket Bolt (M5×6)Stainless×4<br>●ST Nut SS (M5)×4 | |

### S Plate Bracket SS-T Type

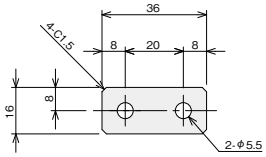



### S Plate Bracket SS-+ Type

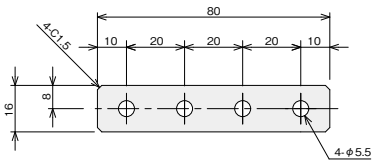



| Name | S Plate Bracket SS-T type | S Plate Bracket SS-T type Kit | S Plate Bracket SS-+ type | S Plate Bracket SS-+ type Kit |
|---|---|---|---|---|
| Item No. | SFJ-110S | SFK-110S | SFJ-111S | SFK-111S |
| Kit Contents | ●S Plate Bracket SS-T Type×1<br>●Hexagon Socket Bolt(M5×6)Stainless×4<br>●ST Nut SS(M5) ×4 | | ●S Plate Bracket SS-+ Type×1<br>●Hexagon Socket Bolt(M5×6)Stainless×6<br>●ST Nut SS(M5) ×6 | |

### S Plate Bracket SS-H2

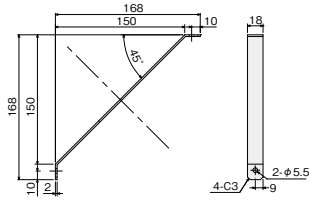



### S Plate Bracket SS-H4

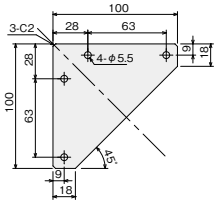



| Name | Plate Bracket SS-H2 | Plate Bracket SS-H2 Kit | Plate Bracket SS-H4 | Plate Bracket SS-H4 Kit |
|---|---|---|---|---|
| Item No. | SFJ-124S | SFK-124S | SFJ-128S | SFK-128S |
| Kit Contents | ●Plate Bracket SS-H2×1<br>●Hexagon Socket Bolt (M5×6)Stainless×2<br>●ST Nut SS (M5)×2 | | ●Plate Bracket SS-H4×1<br>●Hexagon Socket Bolt (M5×6)Stainless×4<br>●ST Nut SS (M5)×4 | |

### S Corner Support Bracket SS



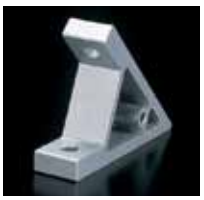

### S Corner Support Plate SS

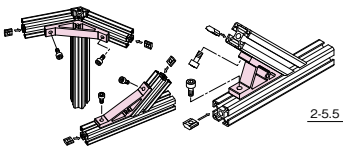



| Name | Corner Support Bracket SS | Corner Support Bracket SS Kit | Corner Support Plate SS | Corner Support Plate SS Kit |
|---|---|---|---|---|
| Item No. | SFJ-135S | SFK-135S | SFJ-136S | SFK-136S |
| Kit Contents | ●Corner Support Bracket SS×1<br>●Hexagon Socket Bolt (M5×6)Stainless×2<br>●ST Nut SS (M5)×2 | | ●Corner Support Plate SS×1<br>●Hexagon Socket Bolt (M5×6)Stainless×4<br>●ST Nut SS (M5)×4 | |

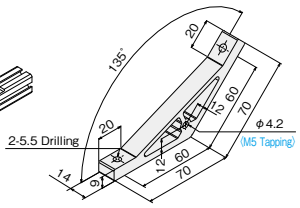
**Parts**
How to order
Item No. Quantity (pcs)
**SFJ-121S** □□

# Hard Bracket SS・DE

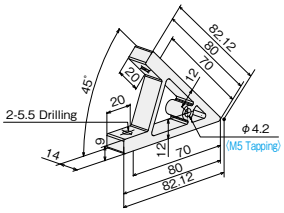





Hard Bracket SS・DE135




Hard Bracket SS・DE45




| Name(Single Item) | Hard Bracket SS・DE135 〈Hard Bracket SS・DE135 with Tap〉 | | Hard Bracket SS・DE45 〈Hard Bracket SS・DE45 with Tap〉 | |
|---|---|---|---|---|
| Item No. | SFJ-N31〈SFJ-N31T〉 | | SFJ-N32〈SFJ-N32T〉 | |
| Name(Bolt and Nut Kit) | SS・DE135Kit (SS・DE135 Kit with Tap) | SS・DE135(Stainless)Kit (SS・DE135 with Tap(Stainless)Kit) | SS・DE45Kit (SS・DE45 Kit with Tap) | SS・DE45(Stainless)Kit (SS・DE45 with Tap(Stainless)Kit) |
| Item No. | SFK-N31〈SFK-N31T〉 | SFK-N31S〈SFK-N31P〉 | SFK-N32〈SFK-N32T〉 | SFK-N32S〈SFK-N32P〉 |

■Usable Frame



Compatible to all SF20 series (Groove Width 6mm)

■Kit Contents

〈Hard Bracket SS・DE135Kit〉
- Hard Bracket SS・DE135〈or with Tap〉×1
- Hexagon Socket Bolt (M5×14)×2
- T Nut SS (M5)×2

〈Hard Bracket SS・DE45Kit〉
- Hard Bracket SS・DE45〈or with Tap〉×1
- Hexagon Socket Bolt (M5×14)×2
- T Nut SS (M5)×2

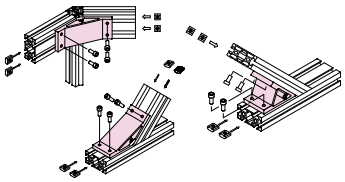
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data

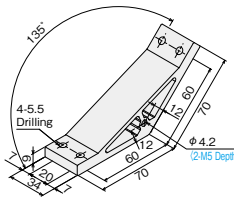
Material Aluminium Alloy
Alumite Treatment
Weight 48g(DE135)
41g(DE45)
Environment **RoHS** Compliant
**Green** Procurement

# Hard Bracket SS2040・DE

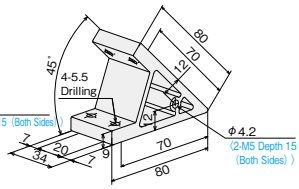


Hard Bracket SS2040・DE135




Hard Bracket SS2040・DE45




| Name(Single Item) | Hard Bracket SS2040・DE135 〈Hard Bracket SS2040・DE135 with Tap〉 | | Hard Bracket SS2040・DE45 〈Hard Bracket SS2040・DE45 with Tap〉 | |
|---|---|---|---|---|
| Item No. | SFJ-N38〈SFJ-N38T〉 | | SFJ-N37〈SFJ-N37T〉 | |
| Name(Bolt and Nut Kit) | SS2040・DE135Kit (SS2040・DE135 Kit with Tap) | SS2040・DE135(Stainless)Kit (SS2040・DE135 with tTap(Stainless)Kit) | SS2040・DE45Kit (SS2040・DE45 Kit with Tap) | SS2040・DE45(Stainless)Kit (SS2040・DE45 with Tap(Stainless)Kit) |
| Item No. | SFK-N38〈SFK-N38T〉 | SFK-N38S〈SFK-N38P〉 | SFK-N37〈SFK-N37T〉 | SFK-N37S〈SFK-N37P〉 |

■Usable Frame



SF20 Series 45°slant cut frame (Refer from P208)

■Kit Contents

〈Hard Bracket SS2040・DE135Kit〉
- Hard Bracket SS2040・DE135〈or with Tap〉×1
- Hexagon Socket Bolt (M5×14)×4
- T Nut SS (M5)×2

〈Hard Bracket SS2040・DE45Kit〉
- Hard Bracket SS2040・DE45〈or with Tap〉×1
- Hexagon Socket Bolt (M5×14)×4
- T Nut SS (M5)×2

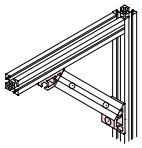
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data

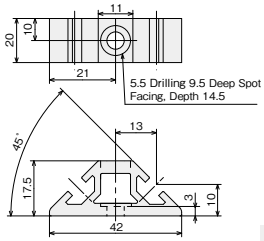
Material Aluminium Alloy
Alumite Treatment
Weight 127g(DE135)
107g(DE45)
Environment **RoHS** Compliant
**Green** Procurement

# Truss Joint SS

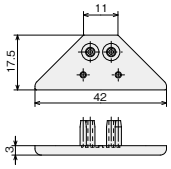




Truss Joint SS




Truss Cap SS




※Groove size is as same as SF20・20.

| Name(Single Item) | Truss Joint SS | Truss Cap SS (Black) | Truss Cap SS (Light Gray) |
|---|---|---|---|
| Item No. | SFJ-J01 | SFA-J01 | SFA-J01G |

■Usable Frame



(Frame to reinforce) SF-20・20
(Frame to combine) SF-20・30・40・45 series are installable

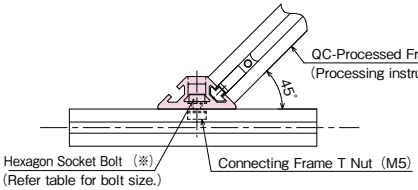
■Material/Technical Data

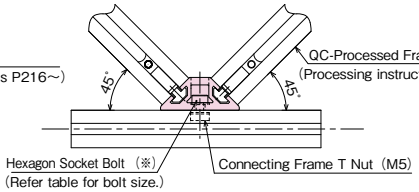
| | Truss Joint SS | Truss Cap SS |
|---|---|---|
| Material | Aluminium Alloy Alumite Treatment | Polyamide |
| Weight | 15g | 2g |

Environment **RoHS** Compliant
**Green** Procurement

## Example of mounting Truss Joint

Best suited to reinforce in 45° or truss stiffening.



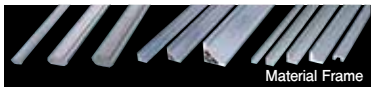




※Guide of bolt size

| Frame to mount to | Bolt size |
|---|---|
| SF20 Series | M5×8 |
| SF30 Series | M5×10 |
| SF40・45 Series | M5×14 |

We sell Nut Material and Bracket Material as well.

T Nut SS Material P31
●Hard Bracket SS Material
●Angle Bracket SS Material

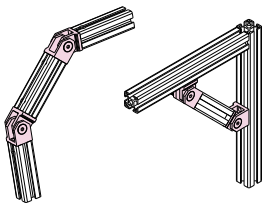


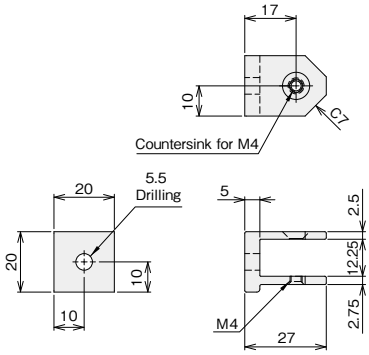
# SF20 SERIES

6 8 10 M5 M6 M8

## Turn Bracket 20



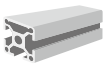





(Attachment) Hexagon Socket Flat Head Cap Screw M4×6 Stainless 1 pcs/set

| Name | Turn Bracket 20 |
|---|---|
| Item No. | SFK-44A |

■Usable Frame



(End Surface Installation)
SF-20·20 Exclusive
(Side Surface Installation)
Installable if connecting
T Nut is (M5).

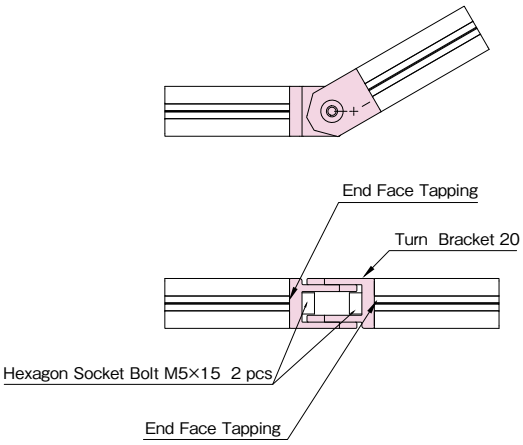
■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
Weight 26g/set
Environment **RoHS** Compliant
**Green** Procurement

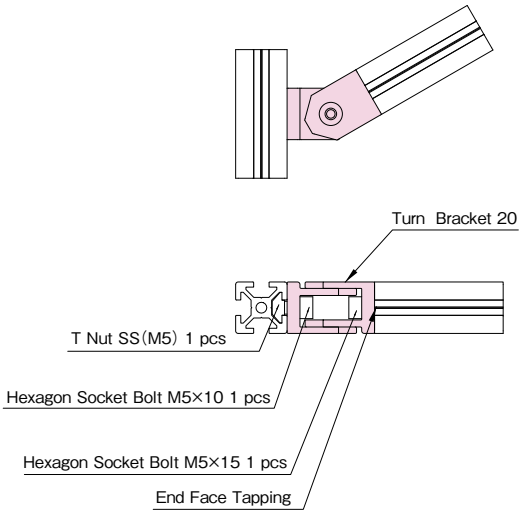
※2 pcs/set

### Example of mounting Turn Bracket

〈In case of installing to sections of the Frames.〉



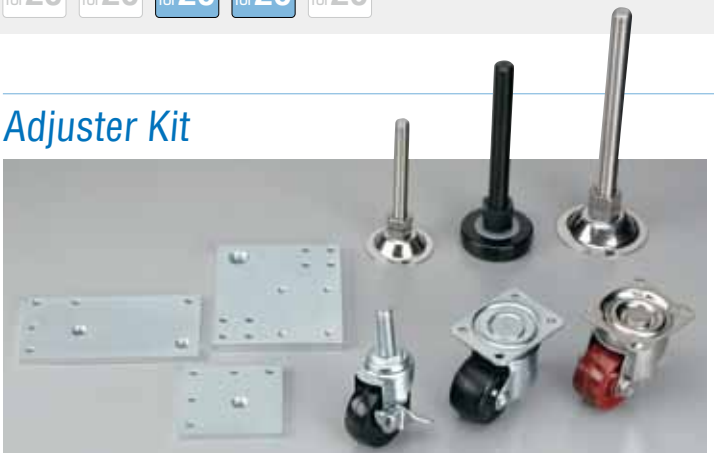

〈In case of installing to side and end of the Frames.〉




Example of order

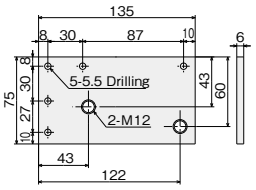
**Parts**
How to order
Item No. Quantity (set)
**SFK-44A** □□

# Adjuster Kit



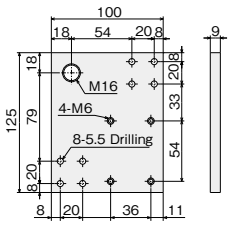
## ■Plate

### Adjuster Caster Plate SS
### Adjuster Caster Plate SS(Stainless)



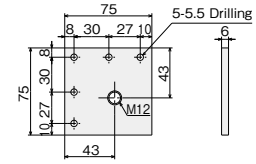

| | Material | Treatment | Weight |
|---|---|---|---|
| Adjuster Caster Plate SS | SS400 | Uni-chrome | 0.45kg |
| Adjuster Caster Plate SS(Stainless) | SUS304 | —— | |

### Adjuster Caster Plate 40



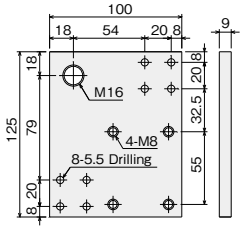

| | Material | Treatment | Weight |
|---|---|---|---|
| Adjuster Caster Plate 40 | SS400 | Uni-chrome | 0.82kg |

### Adjuster Plate SS
### Adjuster Plate SS(Stainless)




| | Material | Treatment | Weight |
|---|---|---|---|
| Adjuster Plate SS | SS400 | Uni-chrome | 0.24kg |
| Adjuster Plate SS(Stainless) | SUS304 | —— | |

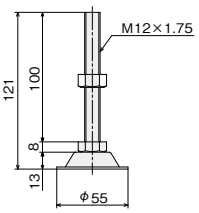
### Adjuster Caster Plate 40(Stainless)




| | Material | Treatment | Weight |
|---|---|---|---|
| Adjuster Caster Plate 40(Stainless) | SUS304 | —— | 0.83kg |

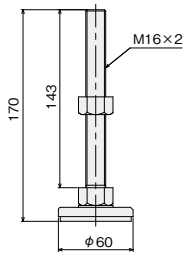
## ■Adjuster

### Adjuster M12
### Adjuster M12(Stainless)



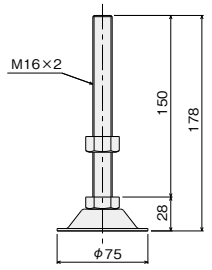

| | Material | Treatment | Load capacity | Weight |
|---|---|---|---|---|
| Adjuster M12 | SS400 | Uni-chrome | 500kg | 169g |
| Adjuster M12(Stainless) | SUS304 | Electrolytic Polishing | 300kg | 165g |

### Adjuster M16




| | Material | Treatment | Load capacity | Weight | Bottom |
|---|---|---|---|---|---|
| Adjuster M16 | SS400 | Zn Black | 500kg | 386g | Neoprene rubber |

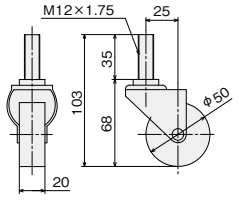
### Adjuster BM16(Stainless)




| | Material | Treatment | Load capacity | Weight |
|---|---|---|---|---|
| Adjuster BM16(Stainless) | SUS304 | Electrolytic Polishing | 560kg | 375g |

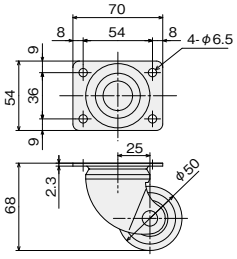
## ■Caster

### Caster A
### Caster A with Brake
### Caster A(Stainless)
### Caster A with Brake(Stainless)



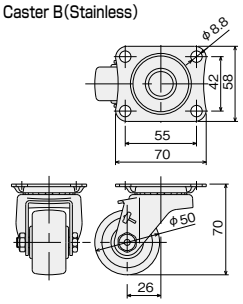

| | Material | Load capacity | Weight |
|---|---|---|---|
| Caster A | Rubber | 30kg | 189g |
| Caster A with Brake | Rubber | 30kg | 223g |
| Caster A(Stainless) | Nylon | 40.8kg | 147g |

### Caster B




| | Material | Load capacity | Weight |
|---|---|---|---|
| Caster B | Phenol Resin | 150kg | 340g |

### Caster B(Stainless)




| | Material | Load capacity | Weight |
|---|---|---|---|
| Caster B(Stainless) | Phenol Resin | 71.4kg | 285g |

| | Item No. | Name | Compatible Frames | Kit Contents |
|---|---|---|---|---|
| Adjuster + Plate | SFK-510A | Level Adjuster Kit SS | Compatible to all SF20 series (Groove Width 6mm) | ●Adjuster Plate SS×1 ●T Nut SS(M5)×4 ●Adjuster M12×1 ●Hexagon Socket Bolt(M5×10)×4 |
| | SFK-510S | Level Adjuster Kit SS(Stainless) | Compatible to all SF20 series (Groove Width 6mm) | ●Adjuster Plate SS(Stainless)×1 ●ST Nut SS(M5)×4 ●Adjuster M12(Stainless)×1 ●Hexagon Socket Bolt(M5×10)Stainless×4 |
| | SFK-C22 | Level Adjuster Kit 40 | SF-40·40·2S or Black SF-40·60 SF-40·80·SS | ●Adjuster Caster Plate 40×1 ●Adjuster M16×1 ●T Nut SS(M5)×8 ●Hexagon Socket Bolt(M5×14)×8 |
| | SFK-C22U | Level Adjuster Kit 40(Stainless) | SF-40·40·2S or Black SF-40·60 SF-40·80·SS | ●Adjuster Caster Plate 40(Stainless)×1 ●Adjuster BM16(Stainless)×1 ●ST NutSS(M5)×8 ●Hexagon Socket Bolt(M5×14)Stainless×8 |
| Caster + Plate | SFK-C21A | Caster Kit SS | Compatible to all SF20 series (Groove Width 6mm) | ●Adjuster Plate SS×1 ●T Nut SS(M5)×4 ●Caster A×1 ●Hexagon Socket Bolt(M5×10)×4 ●Hexagon Nut(M12)×1 |
| | SFK-C21S | Caster Kit SS(Stainless) | Compatible to all SF20 series (Groove Width 6mm) | ●Adjuster Plate SS(Stainless)×1 ●ST Nut SS(M5)×4 ●Caster A(Stainless)×1 ●Hexagon Socket Bolt(M5×10)Stainless×4 ●Hexagon Nut(M12)Stainless×1 |
| | SFK-C22A | Caster Kit SS with Brake | Compatible to all SF20 series (Groove Width 6mm) | ●Adjuster Plate SS×1 ●T Nut SS(M5)×4 ●Caster A with Brake ×1 ●Hexagon Socket Bolt(M5×10)×4 ●Hexagon Nut(M12)×1 |
| | SFK-C22B | Caster Kit SS with Brake(Stainless) | Compatible to all SF20 series (Groove Width 6mm) | ●Adjuster Plate SS(Stainless)×1 ●ST Nut SS(M5)×4 ●Caster A with Brake(Stainless)×1 ●Hexagon Socket Bolt(M5×10)Stainless×4 ●Hexagon Nut(M12)Stainless×1 |
| Caster Adjuster + Plate | SFK-C20A | Level Adjuster Kit SS with Caster | Compatible to all SF20 series (Groove Width 6mm) | ●Adjuster Caster Plate SS×1 ●T Nut SS(M5)×4 ●Caster A×1 ●Hexagon Socket Bolt(M5×10)×4 ●Hexagon Nut(M12)×1 ●Adjuster M12×1 |
| | SFK-C20S | Level Adjuster Kit SS with Caster(Stainless) | Compatible to all SF20 series (Groove Width 6mm) | ●Adjuster Caster Plate SS(Stainless)×1 ●ST Nut SS(M5)×4 ●Caster A(Stainless)×1 ●Hexagon Socket Bolt(M5×10)Stainless×4 ●Hexagon Nut(M12)Stainless×1 ●Adjuster M12(Stainless)×1 |
| | SFK-C23 | Level Adjuster Kit 40 with Caster | SF-40·40·2S or Black SF-40·60 SF-40·80·SS | ●Adjuster Caster Plate 40×1 ●Adjuster M16×1 ●Caster B×1 ●T Nut SS(M5)×8 ●Hexagon Socket Bolt(M5×14)×8 ●Hexagon Socket Bolt(M6×10)×4 |
| | SFK-C23S | Level Adjuster Kit 40 with Caster(Stainless) | SF-40·40·2S or Black SF-40·60 SF-40·80·SS | ●Adjuster Caster Plate 40(Stainless)×1 ●Adjuster BM16(Stainless)×1 ●Caster B(Stainless)×1 ●ST Nut SS(M5)×8 ●Hexagon Socket Bolt(M5×14)Stainless×8 ●Hexagon Socket Bolt(M8×10)Stainless×4 |

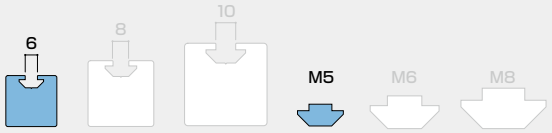
We sell Nut Material and Bracket Material as well.

T Nut SS Material P31

●Hard Bracket SS Material
●Angle Bracket SS Material



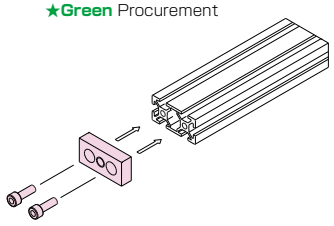
# SF20 SERIES



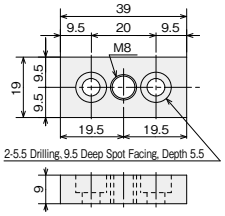

## Foot Base



Environment ★RoHS Compliant
★Green Procurement



### Foot Base 2040




〈Material〉

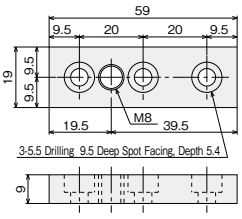
| | |
|---|---|
| Foot Base 2040 | SS400 Uni-chrome plating Include 2 Hexagon Socket Bolts(M5×15) Weight/40g |
| Foot Base 2040 (Stainless) | SUS304 Include 2 Hexagon Socket Bolts (M5×15) Stainless Weight/40g |

Usable Frame



SF-20·40、
SF-20·40·1F

### Foot Base 2060




〈Material〉

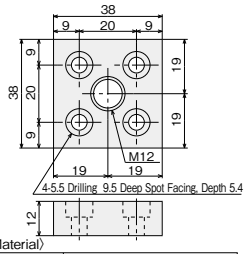
| | |
|---|---|
| Foot Base 2060 | SS400 Uni-chrome plating Include 3 Hexagon Socket Bolts (M5×15) Weight/60g |
| Foot Base 2060 (Stainless) | SUS304 Include 3 Hexagon Socket Bolts (M5×15) Stainless Bolts Weight/60g |

Usable Frame



SF-20·60

### Foot Base 40402S




〈Material〉

| | |
|---|---|
| Foot Base 40402S | SS400 Uni-chrome plating Include 4 Hexagon Socket Bolts (M5×20) Weight/104g |
| Foot Base 40402S (Stainless) | SUS304 Include 4 Hexagon Socket Bolts (M5×20) Stainless Weight/105g |

Usable Frame

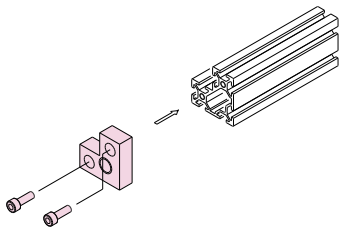


SF-40·40·2S(1F/2F)

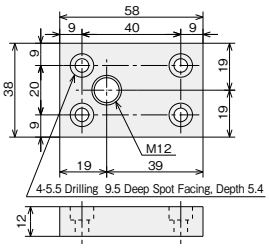
| Name | Foot Base 2040 〈Foot Base 2040(Stainless)〉 | Foot Base 2060 〈Foot Base 2060(Stainless)〉 | Foot Base 40402S 〈Foot Base 40402S(Stainless)〉 |
|---|---|---|---|
| Item No. | ★SFK-55A〈★SFK-55AS〉 | ★SFK-50A〈★SFK-50AS〉 | ★SFK-51A〈★SFK-51AS〉 |



Environment ★RoHS Compliant
★Green Procurement



### Foot Base 4060SS




〈Material〉

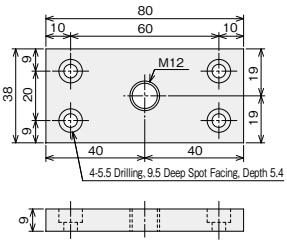
| | |
|---|---|
| Foot Base4060SS | SS400 Uni-chrome plating Include 4 Hexagon Socket Bolts(M5×20) Weight/176g |
| Foot Base4060SS (Stainless) | SUS304 Include 4 Hexagon Socket Bolts (M5×20)Stainless Weight/177g |

Usable Frame



SF-40·60·SS

### Foot Base 4080SS




〈Material〉

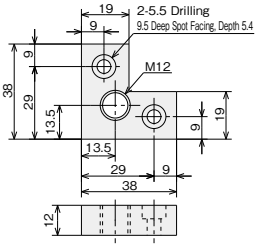
| | |
|---|---|
| Foot Base4080SS | SS400 Uni-chrome plating Include 4 Hexagon Socket Bolts (M5×15) Weight/194g |
| Foot Base4080SS (Stainless) | SUS304 Include 4 Hexagon Socket Bolts (M5×15)Stainless Weight/196g |

Usable Frame



SF-40·80·SS

### Foot Base 204040




〈Material〉

| | |
|---|---|
| Foot Base204040 | SS400 Uni-chrome plating Include 2 Hexagon Socket Bolts(M5×20) Weight/81g |
| Foot Base204040 (Stainless) | SUS304 Include 2 Hexagon Socket Bolts (M5×20) Stainless Weight/81g |

Usable Frame

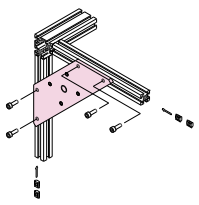


SF-20·40·40

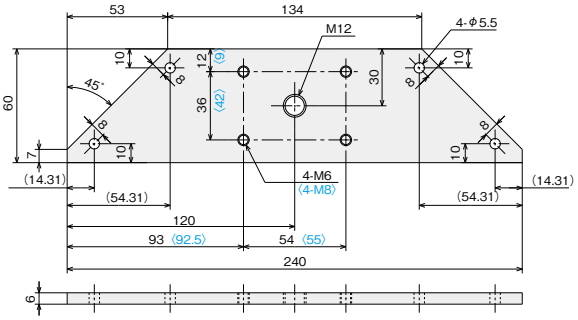
| Name | Foot Base 4060SS 〈Foot Base 4060SS(Stainless)〉 | Foot Base 4080SS 〈Foot Base 4080SS(Stainless)〉 | Foot Base 204040 〈Foot Base 204040(Stainless)〉 |
|---|---|---|---|
| Item No. | ★SFK-62A〈★SFK-62AS〉 | ★SFK-67A〈★SFK-67AS〉 | ★SFK-61A〈★SFK-61AS〉 |

## Caster Plate SS





How to use
- Adjuster M12
- Caster A
- Caster B
- Commercial Hanging Bolt, etc




■Usable Frame



Compatible to all SF20 series
(Groove Width 6mm)

| Name | Caster Plate SS 〈Caster Plate SS(Stainless)〉 |
|---|---|
| Item No. | ★SFJ-7A1〈★SFJ-7A1S〉 |

■Material/Technical Data

| | Caster Plate SS | Caster Plate SS(Stainless) |
|---|---|---|
| Material | SS400 Uni-chrome | SUS304 |
| Weight | 530g | 530g |

Environment ★RoHS Compliant ★Green Procurement

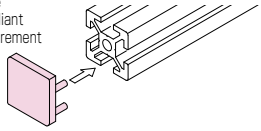
Example of order

**Parts**
How to order
Item No. Quantity (set)
**SFK-55A** □□

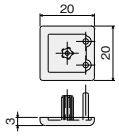
# Frame Cap



Material/Polyamide
Environment/RoHS Compliant
Green Procurement
Weight/In the drawing



### Frame Cap 2020



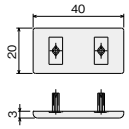

Weight/1.3g

Usable Frame



SF-20·20(1F/2F/3F/2H)

### Frame Cap 2040



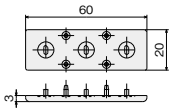

Weight/2.3g

Usable Frame



SF-20·40, SF-20·40·1F,
※SF-20·80

### Frame Cap 2060




Weight/4.1g

Usable Frame

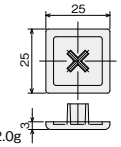


SF-20·60

| Name | Frame Cap 2020 (Black) | Frame Cap 2020 (Light Gray) | Frame Cap 2040 (Black) | Frame Cap 2040 (Light Gray) | Frame Cap 2060 (Black) | Frame Cap 2060 (Light Gray) |
|---|---|---|---|---|---|---|
| Item No. | SFA-009 | SFA-009G | SFA-010 | SFA-010G | SFA-012 | SFA-012G |

※Use 2 pcs for SF20·80

### Frame Cap 2525



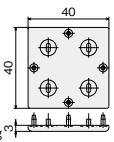

Weight/2.0g

Usable Frame



SF-25·25

### Frame Cap 40402S



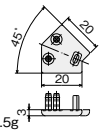

Weight/5.1g

Usable Frame



SF-40·40·2S(1F/2F)
※SF-40·80·SS

### Frame Cap 20·DE45



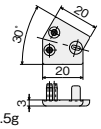

Weight/1.5g

Usable Frame



SF-20·DE45

### Frame Cap 20·DE30



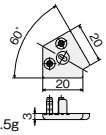

Weight/1.5g

Usable Frame



SF-20·DE30

### Frame Cap 20·DE60




Weight/1.5g

Usable Frame

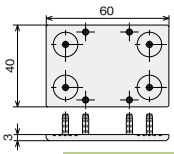


SF-20·DE60

| Name | Frame Cap 2525 (Black) | Frame Cap 2525 (Light Gray) | Frame Cap 40402S (Black) | Frame Cap 40402S (Light Gray) | Frame Cap 20·DE45 (Black) | Frame Cap 20·DE45 (Light Gray) | Frame Cap 20·DE30 (Black) | Frame Cap 20·DE30 (Light Gray) | Frame Cap 20·DE60 (Black) | Frame Cap 20·DE60 (Light Gray) |
|---|---|---|---|---|---|---|---|---|---|---|
| Item No. | SFA-027 | SFA-027G | SFA-014 | SFA-014G | SFA-J5B | SFA-J5BG | SFA-J5A | SFA-J5AG | SFA-J5C | SFA-J5CG |

※Use 2 pcs for SF40·80·SS

### Frame Cap 4060SS



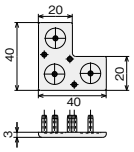

Weight/8.9g

Usable Frame



SF-40·60·SS

### Frame Cap 204040



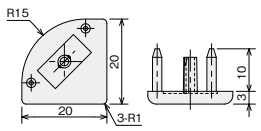

Weight/4.3g

Usable Frame



SF-20·40·40

### Frame Cap 20·20·R




Weight/1.2g

Usable Frame

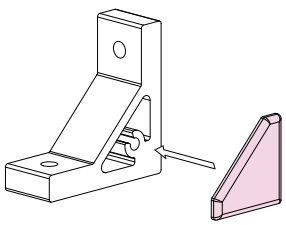


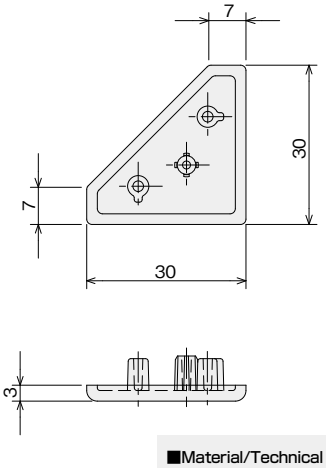
SF-20·20·R

| Name | Frame Cap 4060SS (Black) | Frame Cap 4060SS (Light Gray) | Frame Cap 204040 (Black) | Frame Cap 204040 (Light Gray) | Frame Cap 20·20·R (Black) | Frame Cap 20·20·R (Light Gray) |
|---|---|---|---|---|---|---|
| Item No. | SFA-017 | SFA-017G | SFA-J9A | SFA-J9AG | SFA-023 | SFA-023G |

# Hard Bracket Cap








| Name | Hard Bracket Cap (Black) | (Light Gray) |
|---|---|---|
| Item No. | SFA-J11 | SFA-J11G |

■Usable Frame



Hard Bracket SSG
Hard Bracket SSG2040
Hard Bracket SSG2060

■Material/Technical Data

Material Polyamide
Weight 1.8g
Environment RoHS Compliant
Green Procurement

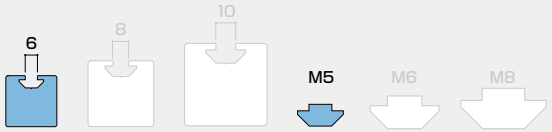
We sell Nut Material and Bracket Material as well.

T Nut SS Material P31

●Hard Bracket SS Material
●Angle Bracket SS Material

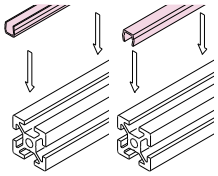


# SF20 SERIES

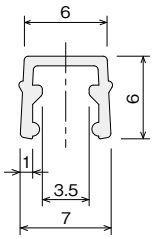



## Slot CapSS





Slot Cap SS




| Name | Slot Cap SS ℓ=2000/pcs (Black) | (Light Gray) |
|---|---|---|
| Item No. | SFA-103 | SFA-103G |

| Name | Slot Cap SS ℓ=2000/pcs (Blue) | (Ivory) | (Green) | (Yellow) | (Red) |
|---|---|---|---|---|---|
| Item No. | SFA-103L | SFA-103V | SFA-103M | SFA-103Y | SFA-103R |

■Usable Frame



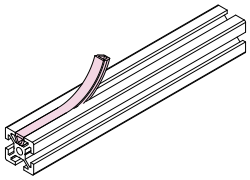
Compatible to all SF20 series (Groove Width 6mm)

■Material/Technical Data

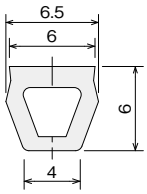
Material Polyethylene
unit mass 14g/m
Environment **RoHS** Compliant
**Green** Procurement

## Slot Seal SS





Slot Seal SS




| Name | Slot Seal SS ℓ=5000/pcs |
|---|---|
| Item No. | SFA-170 |

■Usable Frame

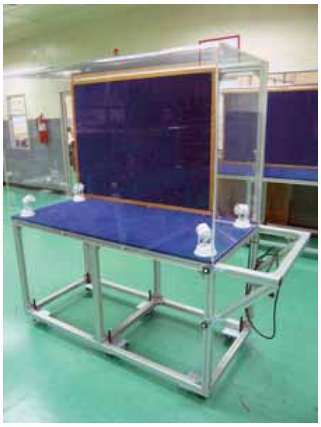


Compatible to all SF20 series (Groove Width 6mm)

■Material/Technical Data

Material Elastomer
Unit Mass 21g/m
Environment **RoHS** Compliant
**Green** Procurement



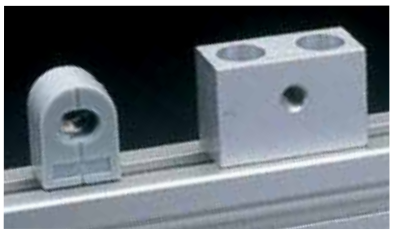


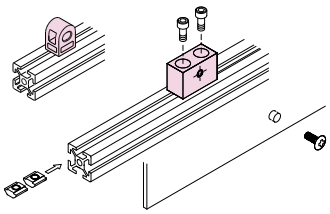


**Parts**
How to order
Item No. Quantity (pcs)
**SFA-103** □□

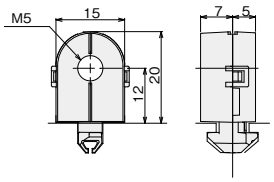
● Exclusive Cutter for Slot Cap and Slot Seal is available.

# Cover Holder SS / Cover Support SS / Cover Support SS Flat

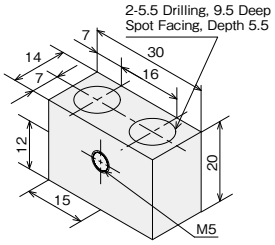




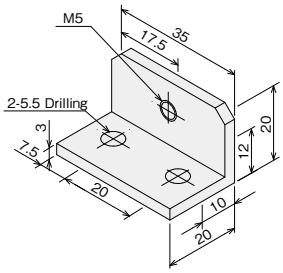
Cover Holder SS




Cover Suppot SS




Cover Suppot SS Flat




■Usable Frame



Compatible to all SF20 series
(Groove Width 6mm)

■Kit Contents

〈Cover Support SS Kit〉
- ●Cover Support SS×1
- ●Hexagon Socket Bolt (M5×20) ×2
- ●T Nut SS(M5) ×2
- ●Truss Screw(M5×10) ×1

〈Cover Support SS Flat Kit〉
- ●Cover Support SS Flat×1
- ●Hexagon Socket Bolt (M5×8) ×2
- ●T Nut SS(M5) ×2
- ●Truss Screw(M5×10) ×1

※Bolt and Nut in CN (Stainless) Kit are stainless.

■Material/Technical Data

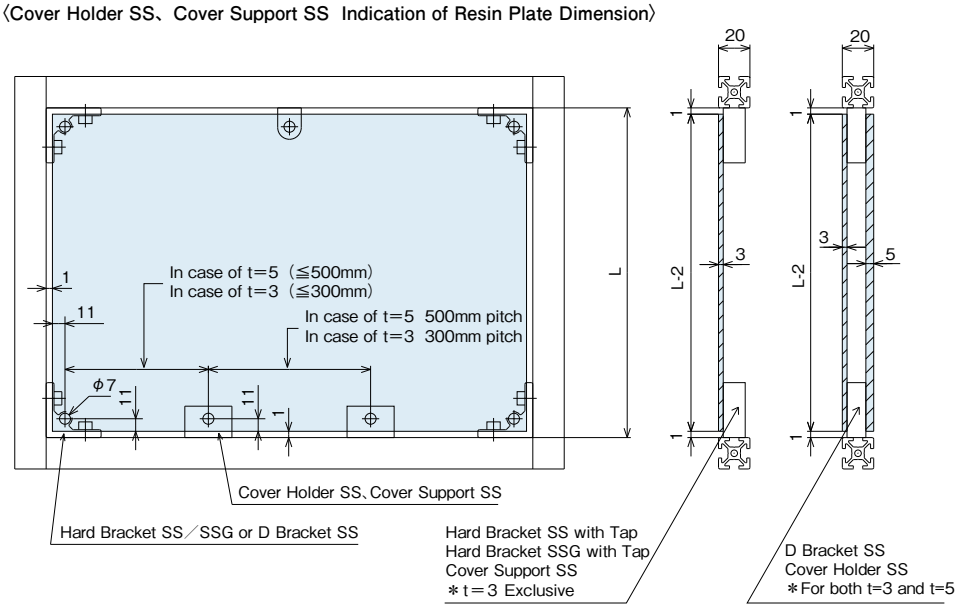
**Cover Holder SS**
Material: Polyamide, Color/Light gray
Weight: 4g ※M5 Nut ×1
Environment: ★RoHS Compliant, ★Green Procurement

**Cover Suppot SS**
**Cover Suppot SS Flat**
Material: A6063S-T5(Special order: Black Alumite is also available.)
Weight: 19g(Cover Support SS) 10g(Cover Suppot SS Flat)
Environment: ★RoHS Compliant, ★Green Procurement

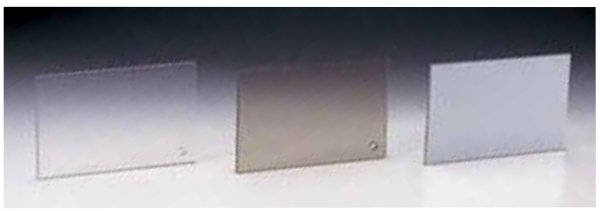
| Name | Cover Holder SS | Cover Support SS | Cover Support SS Kit (Cover Support SS(Stainless)Kit) | Cover Support SS Flat | Cover Support SS Flat Kit (Cover Support SS Flat(Stainless)Kit) |
|---|---|---|---|---|---|
| Item No. | ★SFA-KH5 | ★SFJ-K01 | ★SFK-K01〈★SFK-K01S〉 | ★SFJ-K11 | ★SFK-K11〈★SFK-K11S〉 |

## How to fix Cover

〈Cover Holder SS、Cover Support SS Indication of Resin Plate Dimension〉




〈Resin plate〉



GO Various Resin Plates are available.
Refer P182～.

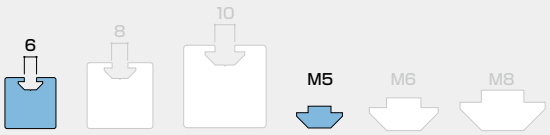
〈Door accessories〉



GO Various parts for door are available.
Refer P140～.

We sell Nut Material and Bracket Material as well.
T Nut SS Material P31
●Hard Bracket SS Material
●Angle Bracket SS Material
Material Frame

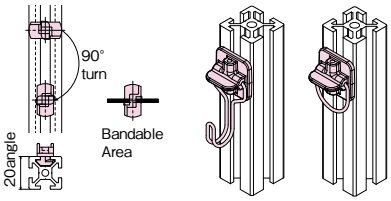
# SF20 SERIES



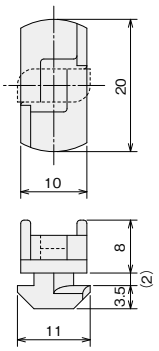

## Cable Clamp SS (last-in) / Slot Hook SS (U), (J)



〈Cable ClampSS〉 〈Slot Hook SS〉

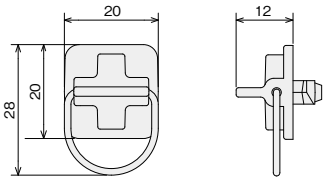



Cable Clamp SS

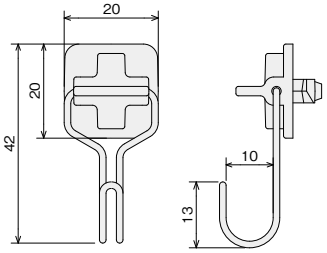



Slot Hook SS

U Type




J Type




| Name | Cable Clamp SS (Black) | Cable Clamp SS (Light Gray) |
|---|---|---|
| Item No. | C1P-B03C | C1P-003C |

| Name | Slot Hook SS (U Type) | Slot Hook SS (J Type) |
|---|---|---|
| Item No. | SFK-K31U | SFK-K31J |

■Usable Frame



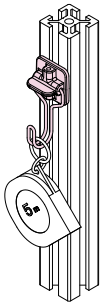
Compatible to all SF20 series (Groove Width 6mm)

■Material/Technical Data

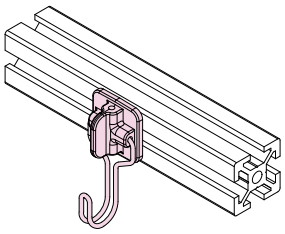
| | Cable Clamp SS | Slot Hook SS U Type・J Type |
|---|---|---|
| Material | Polyamide(Body) Stainless(Hook) Color/Black・Light Gray | Polyamide(Body) Stainless(Hook) Color/Light Gray |
| Weight | 1g/piece | 2.5g(U Type) ・3g(J Type)/Load capacity 1.5kg |
| Environment | RoHS Compliant Green Procurement | |

### How to use Slot Hook

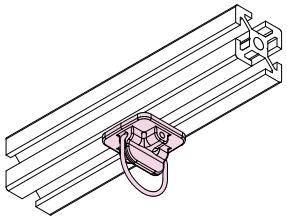
〈To hang small article and tool〉



〈To hang memo pad〉

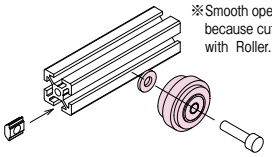


〈To store manual where you can see anytime〉



## Slot Roller SS

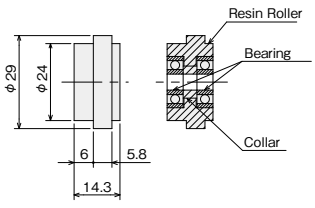




※Smooth operation is possible because cutting work is done with Roller.

| Name | Slot Roller SS |
|---|---|
| Item No. | SFK-805 |

Slot Roller SS




■Usable Frame



Compatible to all SF20 series (Groove Width 6mm)

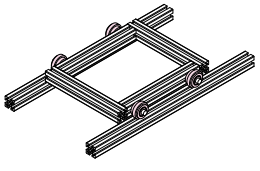
■Material/Technical Data

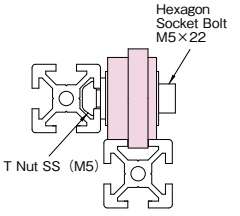
Material Nylon 6(Resin Roller) S45C(Collar) Steel(Bearing)
Weight 18g
Environment RoHS Compliant Green Procurement

※Size of the attaching bolt : M5
※Appropriate Tightening Torque : 7.4N・m
※2 Bearings・1 Collar・1 Washer

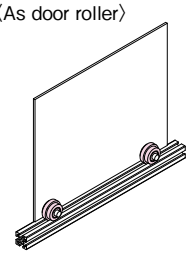
### Example of use

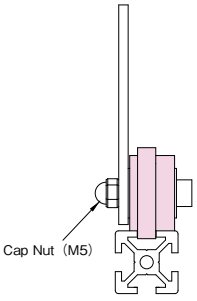
〈To frame's movable part〉






〈As door roller〉






**Parts**
How to order
Item No. Quantity (Pac)
**C1P-B03C** □□

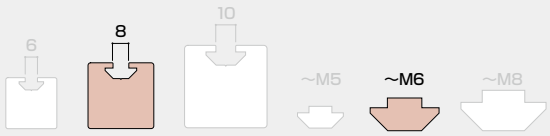


STANDARD FRAME

# SF30

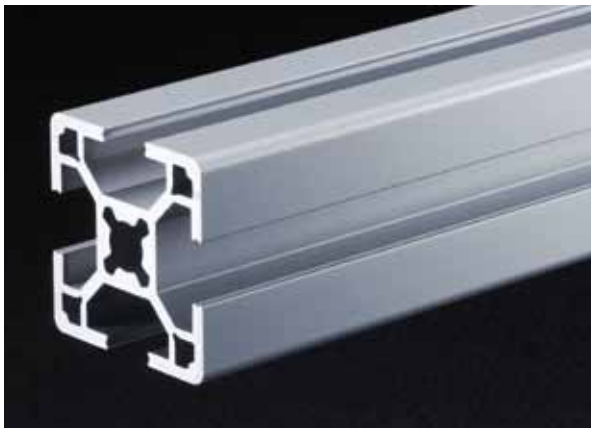
## SERIES

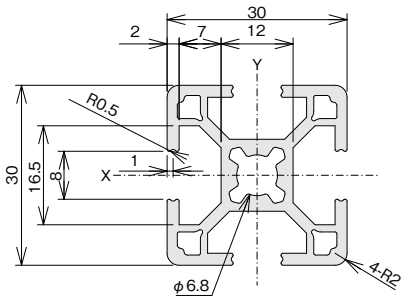
# SF30 SERIES




## SF2-30·30

Asia






| Name | SF2-30·30 ℓ= 4000 | SF2-30·30 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-322-T | SFF-324-T |

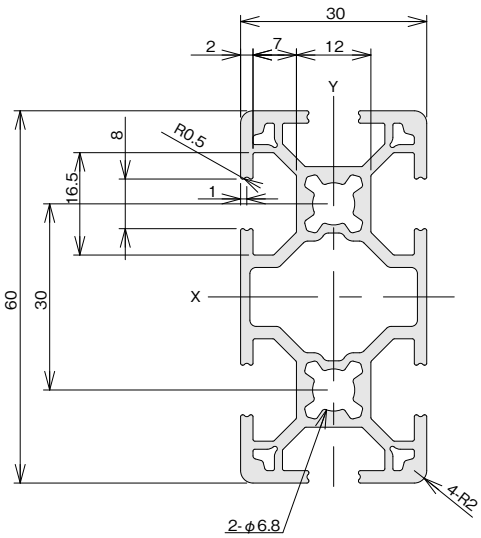
■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy |
| | Alumite Treatment |
| Environment | **RoHS** Compliant |
| | **Green** Procurement |
| Geometrical Moment of Inertia | Ix=2.85×10⁴mm⁴ |
| | Iy=2.85×10⁴mm⁴ |
| Section Modulus | Zx=1.90×10³mm³ |
| | Zy=1.90×10³mm³ |
| Unit Mass | 0.83kg/m |

## SF2-30·60

Asia






| Name | SF2-30·60 ℓ= 4000 | SF2-30·60 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-332-T | SFF-334-T |

■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy |
| | Alumite Treatment |
| Environment | **RoHS** Compliant |
| | **Green** Procurement |
| Geometrical Moment of Inertia | Ix=20.79×10⁴mm⁴ |
| | Iy=5.41×10⁴mm⁴ |
| Section Modulus | Zx=6.93×10³mm³ |
| | Zy=3.61×10³mm³ |
| Unit Mass | 1.49kg/m |

Example of order

**SF Frame**

Standard(ℓ=4000) (Cut by customer)
Item No. SFF-322-T
ℓ=4030·Effective range of use ℓ=4000

In case of specifying the length (Cut by SUS) ※Order by 0.1mm unit
Quantity (pcs) □□ Item No. SFF-324-T Length (mm) ℓ=800

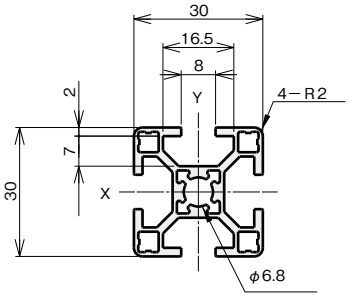
## SF-K•30•30

Asia



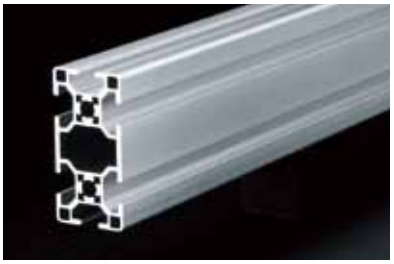
■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=2.38×10⁴mm⁴
Iy=2.38×10⁴mm⁴
Section Modulus ..... Zx=1.59×10³mm³
Zy=1.59×10³mm³
Unit Mass ..... 0.73kg/m

| Name | SF-K•30•30 ℓ= 4000 | SF-K•30•30 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-B12-T | SFF-B14-T |



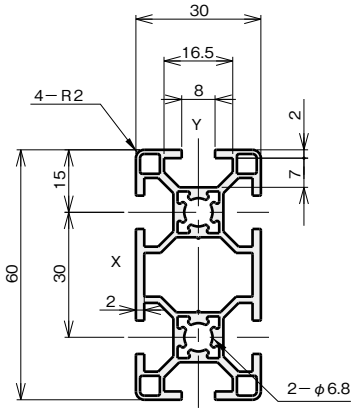

## SF-K•30•60

Asia



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=16.68×10⁴mm⁴
Iy=4.63×10⁴mm⁴
Section Modulus ..... Zx=5.56×10³mm³
Zy=3.09×10³mm³
Unit Mass ..... 1.30kg/m

| Name | SF-K•30•60 ℓ= 4000 | SF-K•30•60 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-B22-T | SFF-B24-T |




## SF-30•90 / SF-30•120

Asia (SF-30•90 only)

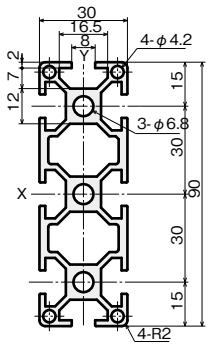


■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement

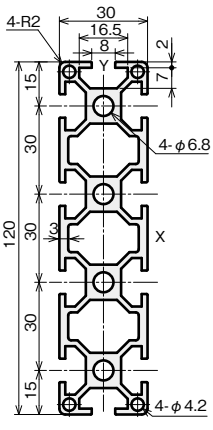
| | SF-30•90 | SF-30•120 |
|---|---|---|
| Geometrical Moment of Inertia | Ix=66.28×10⁴mm⁴ | Ix=152.16×10⁴mm⁴ |
| | Iy=8.44×10⁴mm⁴ | Iy=11.19×10⁴mm⁴ |
| Section Modulus | Zx=14.7×10³mm³ | Zx=25.36×10³mm³ |
| | Zy=5.6×10³mm³ | Zy=7.46×10³mm³ |
| Unit Mass | 2.44kg/m | 3.21kg/m |

| Name | SF-30•90 ℓ= 4000 | SF-30•90 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-392-T | SFF-394-T |

| Name | SF-30•120 ℓ= 4000 | SF-30•120 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-312 | SFF-314 |




SF-30•90



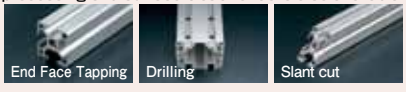

SF-30•120

●Exclusive Nut

T Nut S
After Nut S
Last-In Lock Nut S
Free Nut S P60~

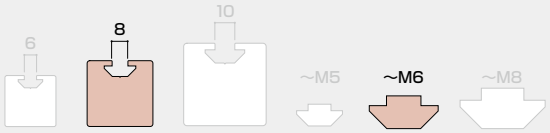
●Exclusive Cap

Frame Cap
P80.81

●Additional processing and surface treatment are also available.



P208~

# SF30 SERIES

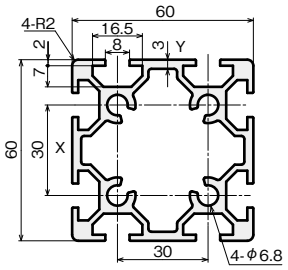



## SF-60·60·2S

Asia



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=41.38×10⁴mm⁴
Iy=41.38×10⁴mm⁴
Section Modulus ..... Zx=13.79×10³mm³
Zy=13.79×10³mm³
Unit Mass ..... 2.63kg/m

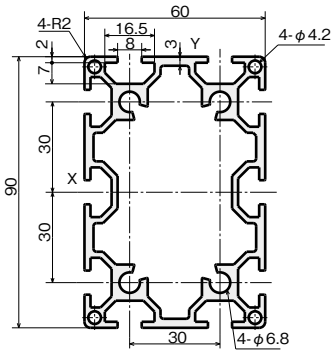



| Name | SF-60·60·2S ℓ= 4000 | SF-60·60·2S ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-602W-T | SFF-604W-T |

## SF-60·90

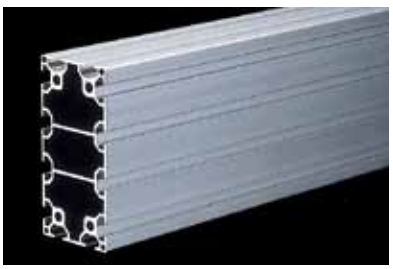


■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=111.61×10⁴mm⁴
Iy=52.65×10⁴mm⁴
Section Modulus ..... Zx=24.8×10³mm³
Zy=17.56×10³mm³
Unit Mass ..... 3.10kg/m

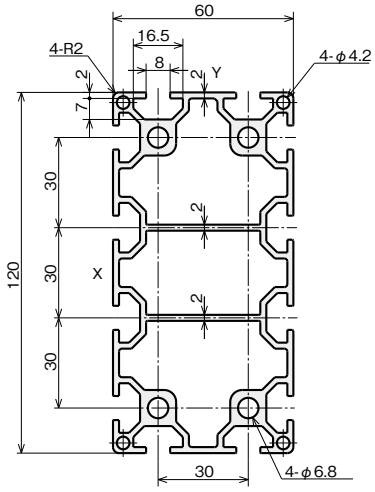



| Name | SF-60·90 ℓ= 4000 | SF-60·90 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-692 | SFF-694 |

## SF-60·120



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=242.90×10⁴mm⁴
Iy=65.97×10⁴mm⁴
Section Modulus ..... Zx=40.48×10³mm³
Zy=21.99×10³mm³
Unit Mass ..... 4.13kg/m




| Name | SF-60·120 ℓ= 4000 | SF-60·120 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-612 | SFF-614 |

**SF Frame**
Standard( ℓ =4000) (Cut by customer)
Item No. ℓ=4030·Effective range of use ℓ=4000
SFF-602W-T

In case of specifying the length (Cut by SUS) ※Order by 0.1mm unit
Quantity (pcs) Item No. Length (mm)
SFF-604W-T ℓ=800

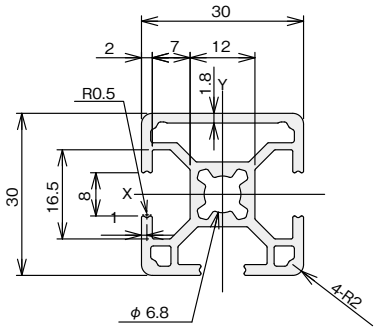
Example of order

## SF2-30•30•1F

Asia



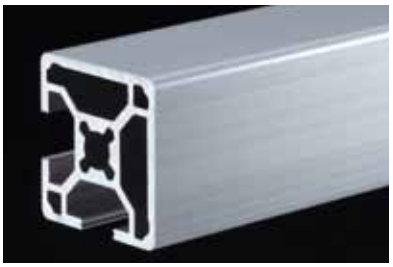
■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=3.03×10⁴mm⁴
Iy=2.82×10⁴mm⁴
Section Modulus ..... Zx=1.99×10³mm³
Zy=1.88×10³mm³
Unit Mass ..... 0.85kg/m



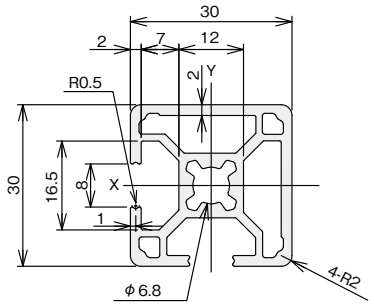

| Name | SF2-30•30•1F ℓ = 4000 | SF2-30•30•1F ℓ =50~4000 |
|---|---|---|
| Item No. | SFF-3E2-T | SFF-3E4-T |

## SF2-30•30•2F

Asia



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=3.09×10⁴mm⁴
Iy=3.09×10⁴mm⁴
Section Modulus ..... Zx=1.98×10³mm³
Zy=1.98×10³mm³
Unit Mass ..... 0.89kg/m




| Name | SF2-30•30•2F ℓ = 4000 | SF2-30•30•2F ℓ =50~4000 |
|---|---|---|
| Item No. | SFF-3F2-T | SFF-3F4-T |

## SF2-30•30•3F / SF2-30•30•2H

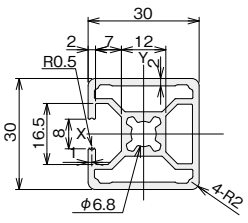
Asia



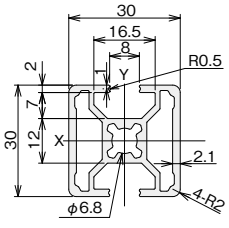


■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement

| | SF2-30•30•3F | SF2-30•30•2H |
|---|---|---|
| Geometrical Moment of Inertia | Ix=3.01×10⁴mm⁴ | Ix=2.7×10⁴mm⁴ |
| | Iy=3.27×10⁴mm⁴ | Iy=3.25×10⁴mm⁴ |
| Section Modulus | Zx=1.93×10³mm³ | Zx=1.8×10³mm³ |
| | Zy=2.18×10³mm³ | Zy=2.17×10³mm³ |
| Unit Mass | 0.90kg/m | 0.86kg/m |




SF2-30•30•3F




SF2-30•30•2H

| Name | SF2-30•30•3F ℓ = 4000 | SF2-30•30•3F ℓ =50~4000 |
|---|---|---|
| Item No. | SFF-3G2-T | SFF-3G4-T |

| Name | SF2-30•30•2H ℓ = 4000 | SF2-30•30•2H ℓ =50~4000 |
|---|---|---|
| Item No. | SFF-3H2-T | SFF-3H2-T |

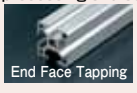
●Exclusive Nut T Nut S
After Nut S
Last-In Lock Nut S
Free Nut S P60~

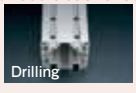


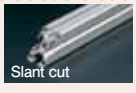
●Exclusive Cap
Frame Cap
P80,81



●Additional processing and surface treatment are also available.

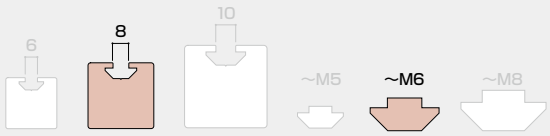

End Face Tapping


Drilling


Slant cut

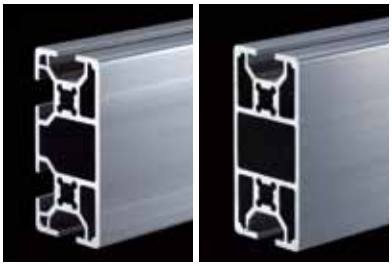
P208~

# SF30 SERIES




## SF2-30·60·1F / SF2-30·60·2H

Asia

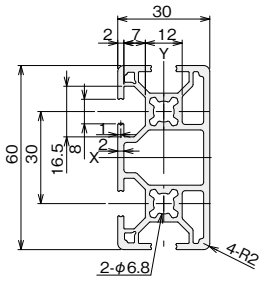


■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement

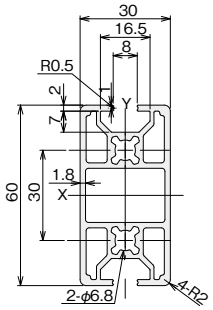
| | SF2-30·60·1F | SF2-30·60·2H |
|---|---|---|
| Geometrical Moment of Inertia | Ix=20.93×10⁴mm⁴ Iy=5.95×10⁴mm⁴ | Ix=21.21×10⁴mm⁴ Iy=6.35×10⁴mm⁴ |
| Section Modulus | Zx=6.98×10³mm³ Zy=3.81×10³mm³ | Zx=7.08×10³mm³ Zy=4.23×10³mm³ |
| Unit Mass | 1.55kg/m | 1.58kg/m |

| Name | SF2-30·60·1F ℓ= 4000 | SF2-30·60·1F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-5E2-T | SFF-5E4-T |

| Name | SF2-30·60·2H ℓ= 4000 | SF2-30·60·2H ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-6H2-T | SFF-6H4-T |




SF2-30·60·1F



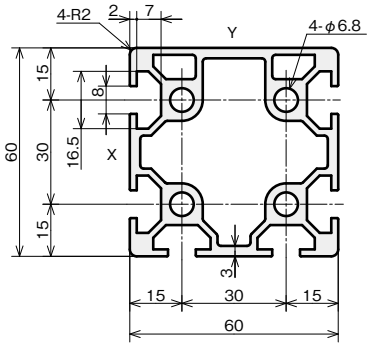

SF2-30·60·2H

## SF-60·60·2S·1F

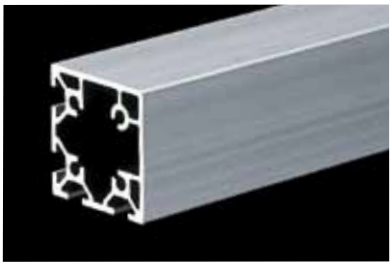


■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=45.35×10⁴mm⁴ Iy=43.34×10⁴mm⁴
Section Modulus ..... Zx=15.61×10³mm³ Zy=14.45×10³mm³
Unit Mass ..... 2.90kg/m

| Name | SF-60·60·2S·1F ℓ= 4000 | SF-60·60·2S·1F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-E62W | SFF-E64W |

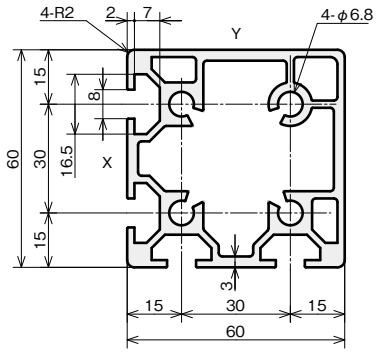



## SF-60·60·2S·2F



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... x=43.75×10⁴mm⁴ Iy=43.75×10⁴mm⁴
Section Modulus ..... Zx=14.66×10³mm³ Zy=14.66×10³mm³
Unit Mass ..... 2.73kg/m

| Name | SF-60·60·2S·2F ℓ= 4000 | SF-60·60·2S·2F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-F62W | SFF-F64W |




**SF Frame**
Standard( ℓ =4000) (Cut by customer)
Item No. ℓ=4030·Effective range of use ℓ =4000
SFF-5E2-T

In case of specifying the length (Cut by SUS) ※Order by 0.1mm unit
Quantity (pcs) Item No. Length (mm)
□□ SFF-5E4-T ℓ =800

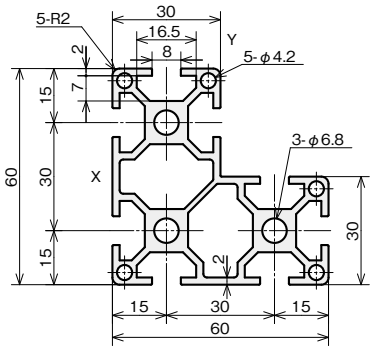
Example of order

## SF-30·60·60



■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | RoHS Compliant<br>Green Procurement |
| Geometrical Moment of Inertia | Ix=27.29×10⁴㎜⁴<br>Iy=27.29×10⁴㎜⁴ |
| Section Modulus | Zx=10.75×10³㎜³<br>Zy=10.75×10³㎜³ |
| Unit Mass | 2.33kg/m |



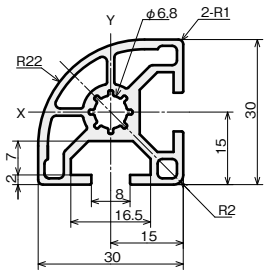

| Name | SF-30·60·60 ℓ= 4000 | SF-30·60·60 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-G12 | SFF-G14 |

## SF-30·30·R



■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | RoHS Compliant<br>Green Procurement |
| Geometrical Moment of Inertia | Ix=2.42×10⁴㎜⁴<br>Iy=2.42×10⁴㎜⁴ |
| Section Modulus | Zx=1.53×10³㎜³<br>Zy=1.53×10³㎜³ |
| Unit Mass | 0.82/m |

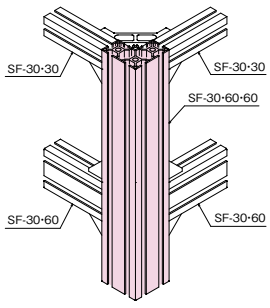



SF-30·30·R

| Name | SF-30·30·R ℓ= 4000 | SF-30·30·R ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-R62 | SFF-R64 |

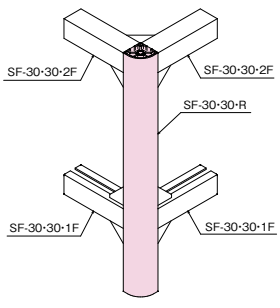
## How to use Frames

〈SF-30·60·60〉



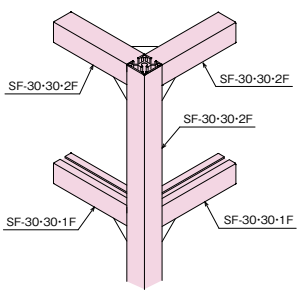

●As the reinforcing Frame at corner, or to ensure space inside.

〈SF-30·30·R〉



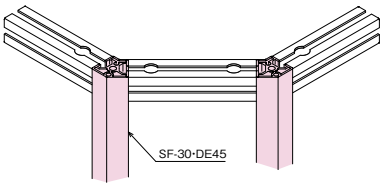

●For safety and beauty by the round corner.

〈SF-30·30·1F〉
〈SF-30·30·2F〉




●For the clean environment without Frame grave externally.

〈SF-30·DE30〉
〈SF-30·DE45〉
〈SF-30·DE60〉




●Many variations to construct angles other than 90°

●Exclusive Nut



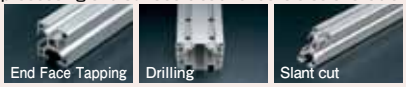
T Nut S
After Nut S
Last-In Lock Nut S
Free Nut S P60~

●Exclusive Cap



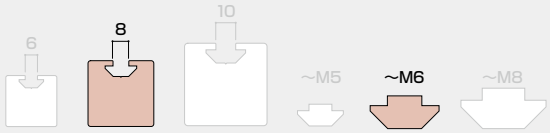
Frame Cap
P80.81

●Additional processing and surface treatment are also available.




P208~

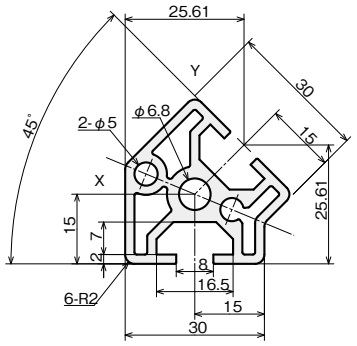
# SF30 SERIES




## SF-30·DE45

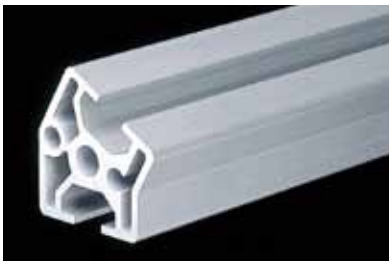


■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=3.21×10⁴mm⁴
Iy=3.72×10⁴mm⁴
Section Modulus ..... Zx=1.56×10³mm³
Zy=1.86×10³mm³
Unit Mass ..... 1.08kg/m

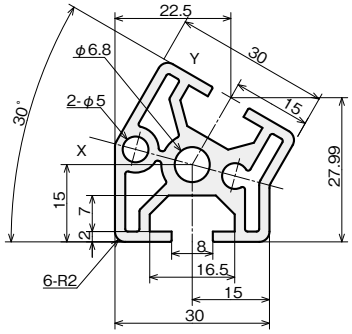



| Name | SF-30·DE45 ℓ= 4000 | SF-30·DE45 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-J62B | SFF-J64B |

## SF-30·DE30

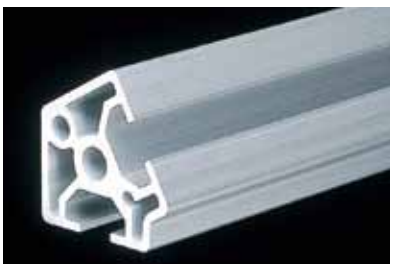


■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=3.15×10⁴mm⁴
Iy=3.86×10⁴mm⁴
Section Modulus ..... Zx=1.58×10³mm³
Zy=2.00×10³mm³
Unit Mass ..... 1.11kg/m

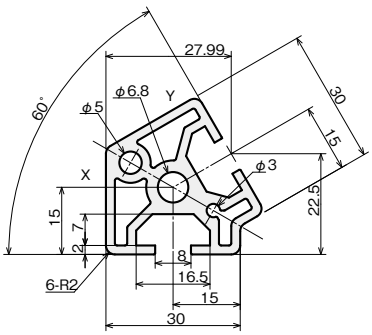



| Name | SF-30·DE30 ℓ= 4000 | SF-30·DE30 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-J62A | SFF-J64A |

## SF-30·DE60



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=3.33×10⁴mm⁴
Iy=3.70×10⁴mm⁴
Section Modulus ..... Zx=1.67×10³mm³
Zy=1.89×10³mm³
Unit Mass ..... 1.10kg/m



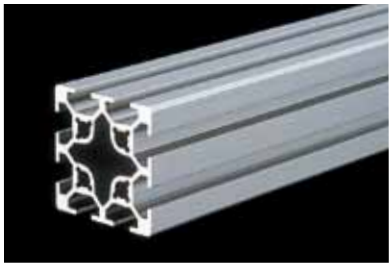

| Name | SF-30·DE60 ℓ= 4000 | SF-30·DE60 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-J62C | SFF-J64C |

**SF Frame**
Standard( ℓ =4000) (Cut by customer)
Item No. SFF-J62B
ℓ=4030·Effective range of use ℓ =4000
Quantity (pcs) □□
In case of specifying the length (Cut by SUS) ※Order by 0.1mm unit
Item No. SFF-J64B
Length (mm) ℓ=800

Example of order

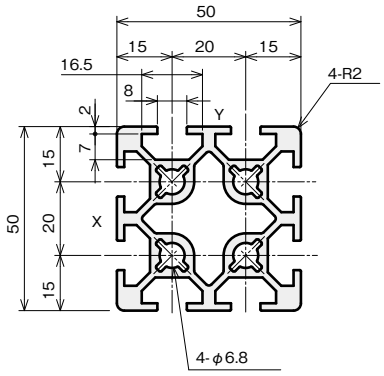
## SF-50•50•2S

Asia



■Material/Technical Data

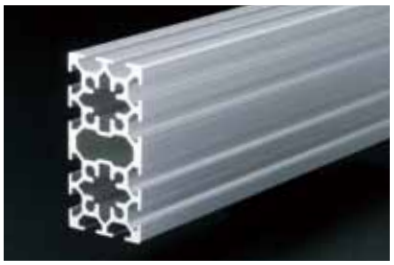
| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | RoHS Compliant<br>Green Procurement |
| Geometrical Moment of Inertia | Ix=21.67×10⁴mm⁴<br>Iy=21.67×10⁴mm⁴ |
| Section Modulus | Zx=8.67×10³mm³<br>Zy=8.67×10³mm³ |
| Unit Mass | 2.32kg/m |




| Name | SF-50•50•2S ℓ= 4000 | SF-50•50•2S ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-502-T | SFF-504-T |

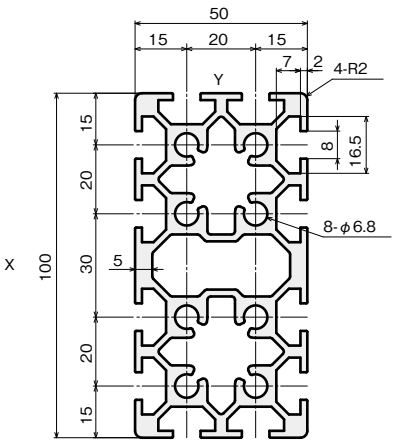
## SF-50•100•2S

Asia



■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | RoHS Compliant<br>Green Procurement |
| Geometrical Moment of Inertia | Ix=153.40×10⁴mm⁴<br>Iy=42.48×10⁴mm⁴ |
| Section Modulus | Zx=30.68×10³mm³<br>Zy=16.99×10³mm³ |
| Unit Mass | 4.28kg/m |




| Name | SF-50•100•2S ℓ= 4000 | SF-50•100•2S ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-512-T | SFF-514-T |

## SF-50•50•2S•1F / SF-50•50•2S•2F



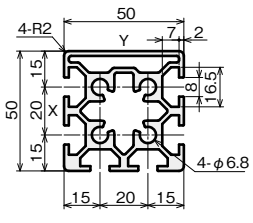


■Material/Technical Data

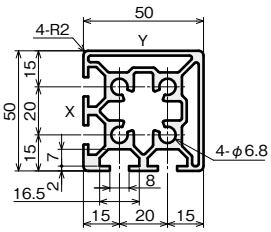
| | | |
|---|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment | |
| Environment | RoHS Compliant<br>Green Procurement | |
| | SF-50•50•2S•1F | SF-50•50•2S•2F |
| Geometrical Moment of Inertia | Ix=22.23×10⁴mm⁴<br>Iy=21.4×10⁴mm⁴ | Ix=22.26×10⁴mm⁴<br>Iy=22.26×10⁴mm⁴ |
| Section Modulus | Zx=8.87×10³mm³<br>Zy=8.56×10³mm³ | Zx=8.77×10³mm³<br>Zy=8.77×10³mm³ |
| Unit Mass | 2.33kg/m | 2.36kg/m |

| Name | SF-50•50•2S•1F ℓ= 4000 | SF-50•50•2S•1F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-E52 | SFF-E54 |

| Name | SF-50•50•2S•2F ℓ= 4000 | SF-50•50•2S•2F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-F52 | SFF-F54 |




SF-50•50•2S•1F




SF-50•50•2S•2F

●Exclusive Nut



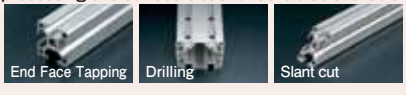
T Nut S
After Nut S
Last-In Lock Nut S
Free Nut S P60~

●Exclusive Cap



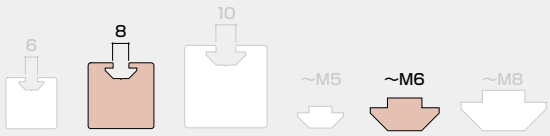
Frame Cap P80, 81

●Additional processing and surface treatment are also available.




P208~

# SF30 SERIES

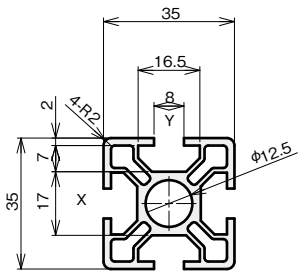



## SF-35·35



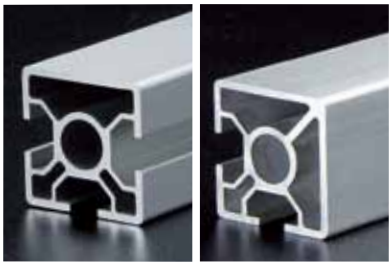
■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | **RoHS** Compliant<br>**Green** Procurement |
| Geometrical Moment of Inertia | Ix=5.12×10⁴㎜⁴<br>Iy=5.12×10⁴㎜⁴ |
| Section Modulus | Zx=2.93×10³㎜³<br>Zy=2.93×10³㎜³ |
| Unit Mass | 1.11kg/m |



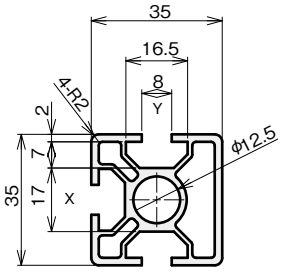

| Name | SF-35·35 ℓ= 4000 | SF-35·35 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-3A2 | SFF-3A4 |

## SF-35·35·1F / SF-35·35·2F

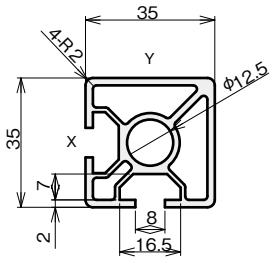


■Material/Technical Data

| | | |
|---|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment | |
| Environment | **RoHS** Compliant<br>**Green** Procurement | |
| | SF-35·35·1F | SF-35·35·2F |
| Geometrical Moment of Inertia | Ix=4.98×10⁴㎜⁴<br>Iy=5.17×10⁴㎜⁴ | Ix=5.37×10⁴㎜⁴<br>Iy=5.37×10⁴㎜⁴ |
| Section Modulus | Zx=2.84×10³㎜³<br>Zy=2.92×10³㎜³ | Zx=2.98×10³㎜³<br>Zy=2.98×10³㎜³ |
| Unit Mass | 1.06kg/m | 1.09kg/m |




SF-35·35·1F




SF-35·35·2F

| Name | SF-35·35·1F ℓ= 4000 | SF-35·35·1F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-EA2 | SFF-EA4 |

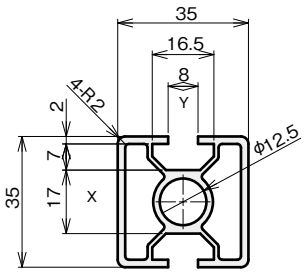
| Name | SF-35·35·2F ℓ= 4000 | SF-35·35·2F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-FA2 | SFF-FA4 |

## SF-35·35·2H



■Material/Technical Data

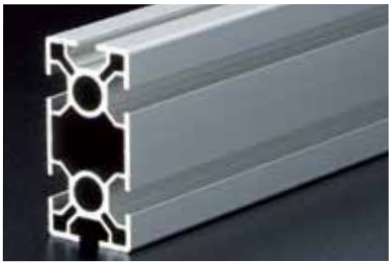
| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | **RoHS** Compliant<br>**Green** Procurement |
| Geometrical Moment of Inertia | Ix=4.83×10⁴㎜⁴<br>Iy=5.23×10⁴㎜⁴ |
| Section Modulus | Zx=2.76×10³㎜³<br>Zy=2.99×10³㎜³ |
| Unit Mass | 1.02kg/m |



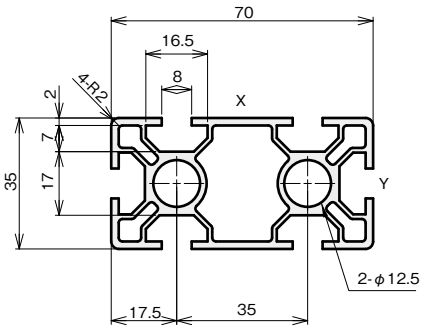

| Name | SF-35·35·2H ℓ= 4000 | SF-35·35·2H ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-GA2 | SFF-GA4 |

**SF Frame**
Standard( ℓ =4000) (Cut by customer)
Item No. SFF-3A2 ℓ=4030·Effective range of use ℓ=4000
Quantity (pcs) □□
In case of specifying the length (Cut by SUS) ※Order by 0.1mm unit
Item No. SFF-3A4 Length (mm) ℓ=800

## SF-35・70

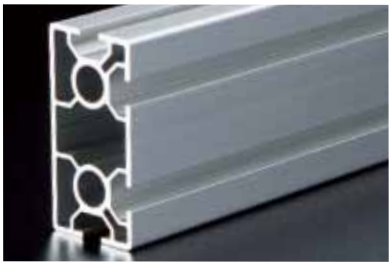


■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... **RoHS** Compliant
**Green** Procurement
Geometrical Moment of Inertia ..... Ix=35.09×10⁴㎜⁴
Iy=9.04×10⁴㎜⁴
Section Modulus ..... Zx=10.03×10³㎜³
Zy=5.16×10³㎜³
Unit Mass ..... 1.80kg/m

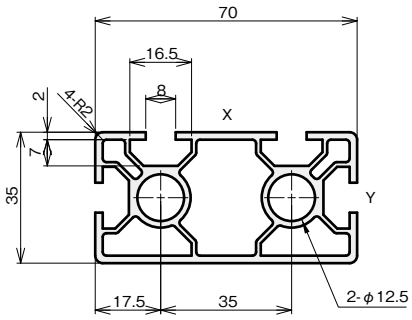



| Name | SF-35・70 ℓ= 4000 | SF-35・70 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-3B2 | SFF-3B4 |

## SF-35・70・1F

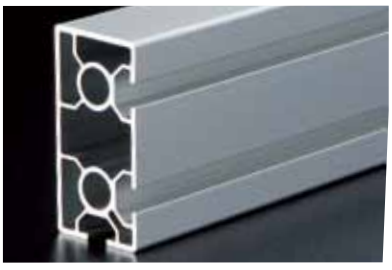


■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... **RoHS** Compliant
**Green** Procurement
Geometrical Moment of Inertia ..... Ix=33.94×10⁴㎜⁴
Iy=9.47×10⁴㎜⁴
Section Modulus ..... Zx=9.70×10³㎜³
Zy=5.36×10³㎜³
Unit Mass ..... 1.78kg/m

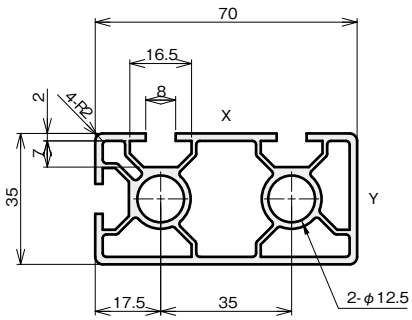



| Name | SF-35・70・1F ℓ= 4000 | SF-35・70・1F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-EB2 | SFF-EB4 |

## SF-35・70・2F



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... **RoHS** Compliant
**Green** Procurement
Geometrical Moment of Inertia ..... Ix=34.26×10⁴㎜⁴
Iy=9.42×10⁴㎜⁴
Section Modulus ..... Zx=9.79×10³㎜³
Zy=5.27×10³㎜³
Unit Mass ..... 1.77kg/m




| Name | SF-35・70・2F ℓ= 4000 | SF-35・70・2F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-FB2 | SFF-FB4 |

●Exclusive Nut

T Nut S
After Nut S
Last-In Lock Nut S
Free Nut S P60~

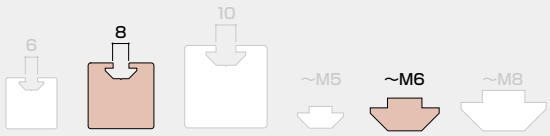
●Exclusive Cap

Frame Cap
P80.81

●Additional processing and surface treatment are also available.

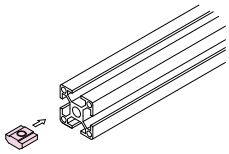

P208~

# SF30 SERIES

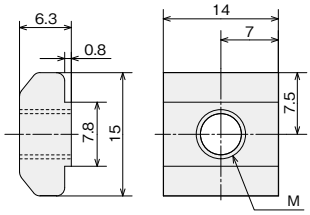



## T Nut S (M※) / Anti-Sliding Cap S





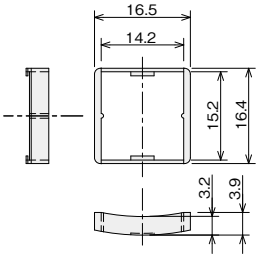
T Nut S (M※)



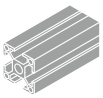

| Name | T Nut S(M6) 〈ST Nut S (M6)〉 | T Nut S(M5) 〈ST Nut S (M5)〉 | T Nut SS(M4) 〈ST Nut SS (M4)〉 | T Nut SS(M3) 〈ST Nut SS (M3)〉 |
|---|---|---|---|---|
| Item No. | SFB-002 〈SFN-TS6〉 | SFB-001 〈SFN-TS5〉 | SFB-006 〈SFN-TS4〉 | SFB-005 〈SFN-TS3〉 |

| Name | Anti-Sliding Cap S (50pcs/pack) |
|---|---|
| Item No. | SFA-906 |

Anti-Sliding Cap S
(for T Nut S and Aluminum T Nut S)




■Usable Frame



Compatible to all SF30 series
(Groove Width 8mm)

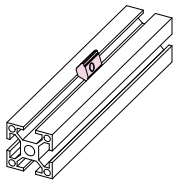
■Material/Technical Data

| | T Nut SS | ST Nut SS | Anti-Sliding Cap SS |
|---|---|---|---|
| Material | Equivalent to S10C Uni-Chrome | Stainless With Conductive Function | Black Polyamide |
| Weight | 8g | 8g | 0.2g/piece |

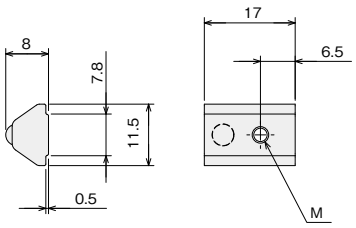
Environment **RoHS** Compliant **Green** Procurement

## Easy Nut SS (M※)





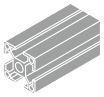
※One-Touch to insert later and Anti-Skid as well




| Name | Easy Nut S (M6) | Easy Nut S (M5) | Easy Nut S (M4) | Easy Nut S (M3) |
|---|---|---|---|---|
| Item No. | SFB-PN19 | SFB-PN18 | SFB-PN17 | SFB-PN16 |

| Name | S Easy Nut S (M6) Stainless | S Easy Nut S (M5) Stainless | S Easy Nut S (M4) Stainless | S Easy Nut S (M3) Stainless |
|---|---|---|---|---|
| Item No. | SFN-ES6 | SFN-ES5 | SFN-ES4 | SFN-ES3 |

■Usable Frame



Compatible to all SF30 series
(Groove Width 8mm)

■Material/Technical Data

| | Easy Nut S | S Easy Nut S |
|---|---|---|
| Material | Equivalent to S10C Uni-Chrome plating | Stainless With Conductive |
| Weight | 6g/piece | |

Environment **RoHS** Compliant **Green** Procurement

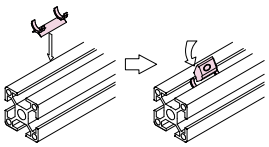


Example of order

**Parts**
How to order
Item No.
**SFB-002**
Quantity (pcs)
□□

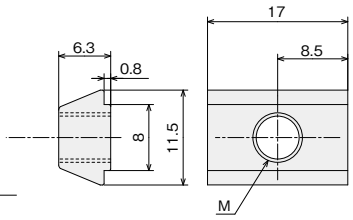
# After Nut S(M※) / After Nut Support S



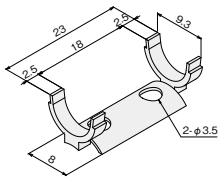


※Using After Nut Support together prevents from slipping.

After Nut S(M※)




After Nut Support S
(for After Nut・Last-In Lock Nut)




| Name | After Nut S(M6) 〈S After Nut S(M6)〉 | Free Nut S 〈S After Nut S(M5)〉 | Free Nut S 〈S After Nut S(M4)〉 | Free Nut S 〈S After Nut S(M3)〉 |
|---|---|---|---|---|
| Item No. | SFB-616(SFN-AS6) | SFB-615(SFN-AS5) | SFB-614(SFN-AS4) | SFB-613(SFN-AS3) |

| Name | After Nut Support S(50pcs/pack) |
|---|---|
| Item No. | SFA-9A2 |

■Usable Frame



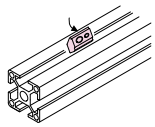
Compatible to all SF30 series (Groove Width 8mm)

■Material/Technical Data

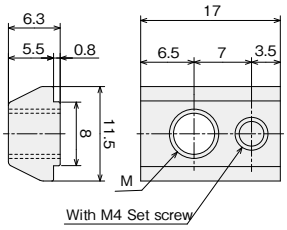
| | After Nut S | S After Nut S | After Nut Support S |
|---|---|---|---|
| Material | Equivalent to S10C Uni-Chrome | Stainless | PP Resin |
| Weight | 7g | 7g | 0.2g/piece |
| Environment | ★RoHS Compliant ★Green Procuremen | | |

# Lock Nut S(M※)



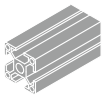


※You can fix Nut and conduct electricity by tightening attached Set Screw.




| Name | Lock Nut S(M6) 〈S Lock Nut S(M6)〉 | Lock Nut S(M5) 〈Lock Nut S(M5)〉 | Lock Nut S(M4) 〈Lock Nut S(M4)〉 | Lock Nut S(M3) 〈S Lock Nut S(M3)〉 |
|---|---|---|---|---|
| Item No. | ★SFB-4B6(★SFN-LS6) | ★SFB-4B5(★SFN-LS5) | ★SFB-4B4(★SFN-LS4) | ★SFB-4B3(★SFN-LS3) |

■Usable Frame



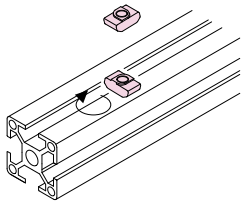
Compatible to all SF30 series (Groove Width 8mm)

■Material/Technical Data

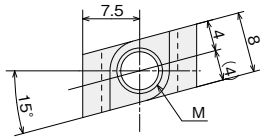
| | Lock Nut S | S Lock Nut S |
|---|---|---|
| Material | Equivalent to S10C Uni-Chrome | Stainless |
| Weight | 7g | 7g |
| Environment | ★RoHS Compliant ★Green Procuremen | |

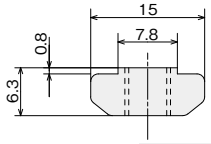
# S Free Nut S(M※)





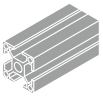
S Free Nut S(M※)




| Name | ※1 S Free Nut S(M6) | S Free Nut S(M5) | S Free Nut S(M4) | S Free Nut S(M3) |
|---|---|---|---|---|
| Item No. | SFB-S64 | SFN-FS5 | SFN-FS4 | SFN-FS3 |

■Usable Frame



Compatible to all SF30 series (Groove Width 8mm)

■Material/Technical Data

| | S Free Nut S |
|---|---|
| Material | Stainless With Conductive Function |
| Weight | 4g |
| Environment | RoHS Compliant Green Procurement |

※1 No conductive type for S Free Nut S (M6)

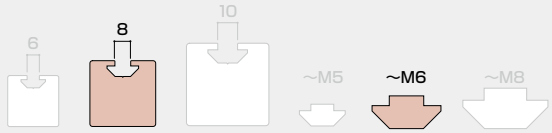
We sell Nut Material and Bracket Material as well.

T Nut S Material P62

●Hard Bracket S Material
●Angle Bracket S Material

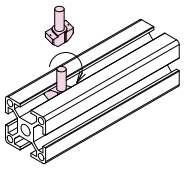

Material Frame

# SF30 SERIES

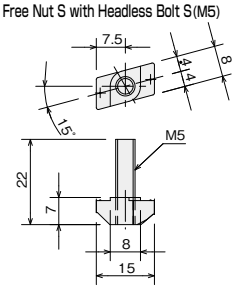



## Free Nut S with Headless Bolt S（M5）/ Free Stud S（M5）/ Free Nut Stopper S

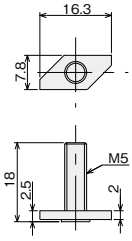




Free Nut S with Headless Bolt S(M5)




Free Stud S(M5)

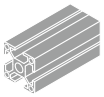



Free Nut Stopper S




| Name | Free Nut S with Headless Bolt S(M5) | Free Stud S(M5) |
|---|---|---|
| Item No. | ★SFN-NS5 | ★SFN-NSE1 |

| Name | Free Nut Stopper S |
|---|---|
| Item No. | ★SFA-9F1 |



■Usable Frame

Compatible to all SF30 series
(Groove Width 8mm)

■Material/Technical Data

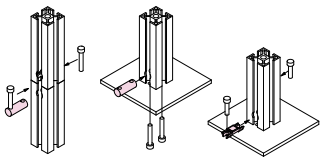
| | Free Nut S with Headless Bolt S | Free Stud S | Free Nut Stopper S |
|---|---|---|---|
| Material | Stainless With Conductive Function | SPHC Uni-Chrome Plating | Polyamide |
| Weight | 7g | 4g | 0.3g |
| Environment | ★RoHS Compliant ★Green Procurement | | |

※Tightening Torque is below 1.2N·m for Free Stad S.
(Use Knurling Nut)

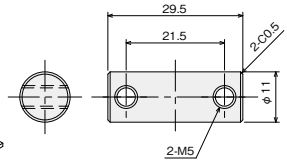
## Double Round Lock Nut S30/S Double Joint 30



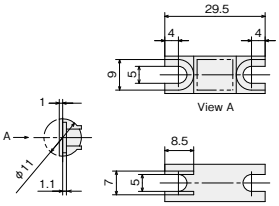




Double Round Lock Nut S30

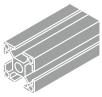



S Double Joint 30




| Name | Double Round Lock Nut S30 | S Double Joint 30 |
|---|---|---|
| Item No. | SFJ-250S | SFK-391S |

■Usable Frame



SF-30·30、SF-30·60
SF-30·90、SF-30·120

■Material/Technical Data

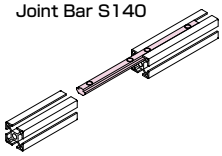
| | Double Round Lock Nut S30 | S Double Joint 30 |
|---|---|---|
| Material | Stainless | Stainless |
| Weight | 19g | 34g |
| Environment | ★RoHS Compliant ★Green Procurement | |

## Joint Bar S140 / T Nut S Material / After Nut S Material

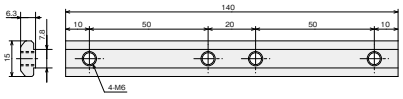




Joint Bar S140

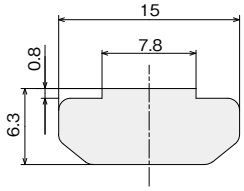


Joint Bar S140

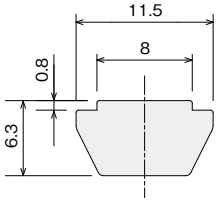



Joint Bar S140 Kit Contents
●Joint Bar S140×1
●Set Screw(M6×8)×4

T Nut S Material
〈T Nut S Material〉




After Nut S Material
〈After Nut S Material〉



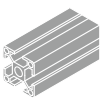

| Name(Single Item) | Joint Bar S140 | Name(with Set Screw) | Joint Bar S140 Kit |
|---|---|---|---|
| Item No. | ★SFJ-606 | Item No. | ★SFK-606 |

| Name | T Nut S Material ℓ=(2800) 〈ST Nut S Material ℓ=(2800)〉 | T Nut S Material ℓ=450 〈ST Nut S Material ℓ=(450)〉 |
|---|---|---|
| Item No. | ★SFX-100〈★SFX-002〉 | ★SFX-120〈★SFX-S00〉 |

| Name | After Nut S Material ℓ=(2800) 〈S After Nut S Materiall ℓ=(2800)〉 | After Nut S Material ℓ=450 〈S After Nut S Material ℓ=(450)〉 |
|---|---|---|
| Item No. | ★SFX-103〈★SFX-007〉 | ★SFX-123〈★SFX-S07〉 |

・Note : T Nut material will be delivered without plating.

■Usable Frame



Compatible to all SF30 series
(Groove Width 8mm)

■Material/Technical Data

| | Joint Bar S140 | T Nut S material / After Nut S material | ST Nut S material / S After Nut S material |
|---|---|---|---|
| Material | Equivalent to S10C Uni-Chrome Plating | Equivalent to S10C Not plating | Stainless |
| Weight | 86g | 653g/m(T Nut S) 483g/m(After Nut S) | 668g/m(ST Nut S) 494g/m(S After Nut S) |
| Environment | ★RoHS Compliant ★Green Procurement | | |

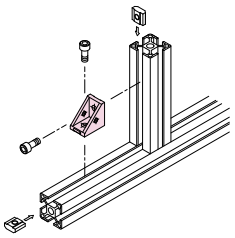


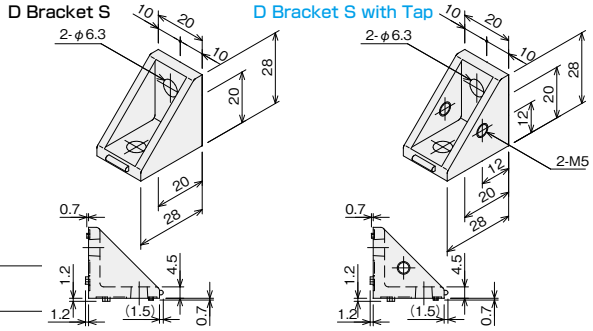
Example of order

**Parts**
How to order
Item No.
**SFN-NS5**
Quantity (pcs)
□□

# D Bracket S

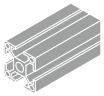







| Name(Single Item) | D Bracket S 〈D Bracket S with Tap〉 | D Bracket S-CN 〈D Bracket S-CN with Tap〉 |
|---|---|---|
| Item No. | SFJ-018〈SFJ-019〉 | SFJ-018N〈SFJ-019N〉 |

| Name(Bolt and Nut Kit) | D Bracket S Kit 〈D Bracket S Kit with Tap〉 | D Bracket S(Stainless)Kit 〈D Bracket S with Tap (Stainless) Kit〉 | D Bracket S-CN Kit 〈D Bracket S-CN Kit with Tap〉 |
|---|---|---|---|
| Item No. | SFK-018〈SFK-019〉 | SFK-018S〈SFK-019S〉 | SFK-018N〈SFK-019N〉 |



■Usable Frame

Compatible to all SF30 series (Groove Width 8mm)

●Cap

P81

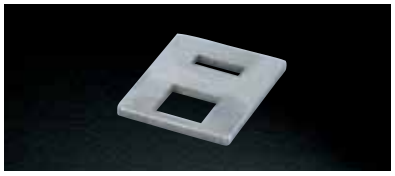
■Kit Contents

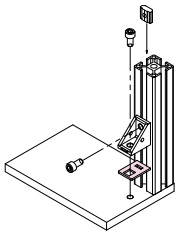
●D Bracket S〈or with Tap〉×1
●Hexagon Socket Bolt (M6×12)×2
●T nut S(M6)×2
※Bolt and Nut in CN· (Stainless) Kit are stainless.

■Material/Technical Data

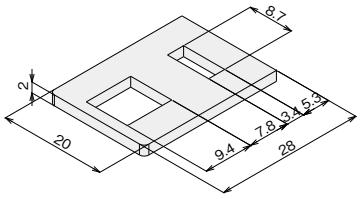
Material Aluminum Die-Cast(ADC12) (CN/Electroless Nickel Plating) With Anti-Skid Function
Weight 13g
Environment ★RoHS Compliant
★Green Procurement

# D Bracket Spacer S



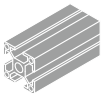


●Setting to bottom of D Bracket enables to fix on a flat base.



| Name(Single Item) | D Bracket Spacer S |
|---|---|
| Item No. | SFJ-401S |

■Usable Frame



Compatible to all SF30 series (Groove Width 8mm)

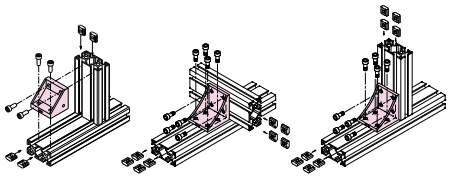
■Material/Technical Data

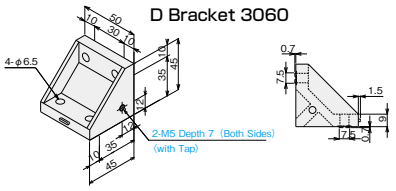
Material Stainless
Weight 8g
Environment ★RoHS Compliant
★Green Procurement

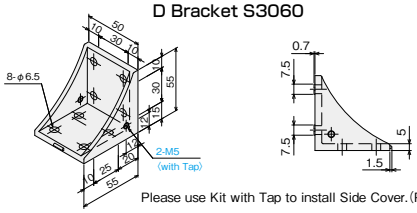
# D Bracket 3060 / D Bracket S3060










Please use Kit with Tap to install Side Cover.(P74)

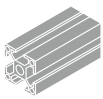
| Name(Single Item) | D Bracket 3060 〈D Bracket 3060 with Tap〉 | D Bracket S3060 〈D Bracket S 3060 with Tap〉 |
|---|---|---|
| Item No. | SFJ-021 〈SFJ-021T〉 | SFJ-A13〈SFJ-A13T〉 |

| Name(Bolt and Nut Kit) | 3060Kit 〈3060 Kit with Tap〉 | 3060(Stainless)Kit 〈3060 with Tap(Stainless)Kit〉 | S3060 Kit 〈S3060 Kit with Tap〉 | S3060(Stainless)Kit 〈S3060 with Tap(Stainless)Kit〉 |
|---|---|---|---|---|
| Item No. | SFK-021〈SFK-021T〉 | SFK-021S〈SFK-021P〉 | SFK-A13〈SFK-A13T〉 | SFK-A13S〈SFK-A13P〉 |

| Name(Single Item) | D Bracket 3060-CN 〈D Bracket 3060-CN with Tap〉 |
|---|---|
| Item No. | SFJ-021N〈SFJ-021C〉 |

| Name(Bolt and Nut Kit) | D Bracket 3060-CN Kit 〈D Bracket 3060-CN Kit with Tap〉 |
|---|---|
| Item No. | SFK-021N〈SFK-021C〉 |

■Usable Frame



SF-30·60 /1F
SF-60·60·2S/1F/2F
SF-60·90/60·120

■Kit Contents

〈D Bracket 3060 Kit〉
●D Bracket 3060〈or with Tap〉×1
●Hexagon Socket Bolt (M6×15)×4
●T Nut S(M6)×4

〈D Bracket S3060 Kit〉
●D Bracket S3060〈or with Tap〉×1
●Hexagon Socket Bolt (M6×12)×8
●T Nut S(M6)×8
※Bolt and Nut in CN· (Stainless) Kit are stainless.

■Material/Technical Data

| | D Bracket 3060 | D Bracket S3060 |
|---|---|---|
| Material | Aluminum Die-Cast(ADC12) (CN/Electroless Nickel Plating) With Anti-Skid Function | |
| Weight | 100g | 65g |
| Environment | ★RoHS Compliant ★Green Procurement | |

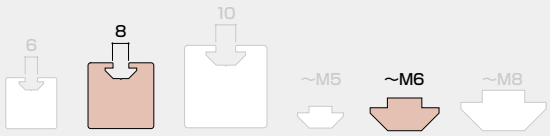
We sell Nut Material and Bracket Material as well.

T Nut S Material P62

●Hard Bracket S Material
●Angle Bracket S Material

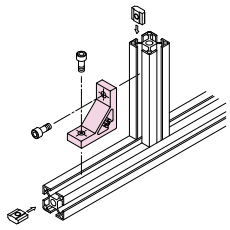

Material Frame

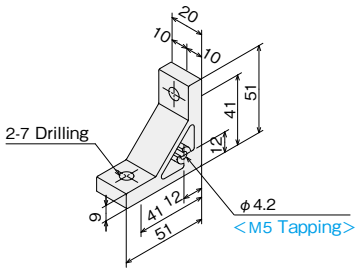
# SF30 SERIES




## Hard Bracket S



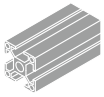





Please use Kit with Tap to install Side Cover. (Refer P82 for details.)

| Name(Single Item) | Hard Bracket S ⟨Hard Bracket S with Tap⟩ |
|---|---|
| Item No. | SFJ-N03⟨SFJ-N03T⟩ |

| Name(Bolt and Nut Kit) | Hard Bracket S Kit ⟨Hard Bracket S Kit with Tap⟩ | Hard Bracket S(Stainless)Kit ⟨Hard Bracket S (Stainless) Kit with Tap⟩ |
|---|---|---|
| Item No. | SFK-N03⟨SFK-N03T⟩ | SFK-N03S⟨SFK-N03P⟩ |



■Usable Frame
Compatible to all SF30 series (Groove Width 8mm)

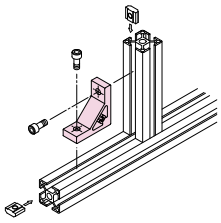
■Kit Contents
- Hard Bracket S⟨or with Tap⟩×1
- Hexagon Socket Bolt (M6×15)×2
- T Nut S(M6)×2

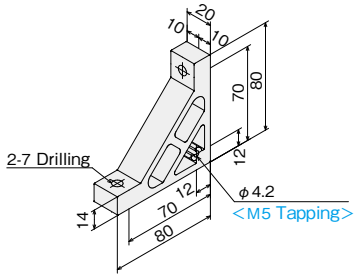
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Perpendicular surface is machining finished.
44g
Weight RoHS Compliant
Environment Green Procurement

## Hard Bracket SG



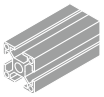





Please use Kit with Tap to install Side Cover. (Refer P82 for details.)

| Name(Single Item) | Hard Bracket SG ⟨Hard Bracket SG with Tap⟩ |
|---|---|
| Item No. | SFJ-N26⟨SFJ-N26T⟩ |

| Name(Bolt and Nut Kit) | Hard Bracket SG Kit ⟨Hard Bracket SG Kit with Tap⟩ | Hard Bracket SG(Stainless)Kit ⟨Hard Bracket SG(Stainless)Kit with Tap⟩ |
|---|---|---|
| Item No. | SFK-N26⟨SFK-N26T⟩ | SFK-N26S⟨SFK-N26P⟩ |



■Usable Frame
Compatible to all SF30 series (Groove Width 8mm)

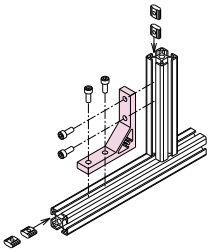
■Kit Contents
- Hard Bracket SG⟨or with Tap⟩×1
- Hexagon Socket Bolt (M6×22)×2
- T Nut S(M6)×2

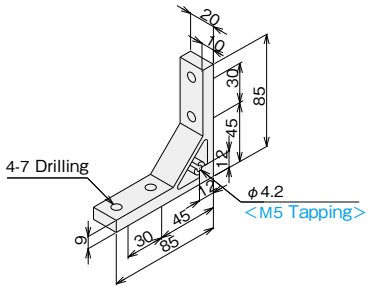
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Perpendicular surface is machining finished.
101g
Weight RoHS Compliant
Environment Green Procurement

## Hard Bracket SW3030



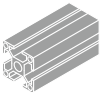





Please use Kit with Tap to install Side Cover. (Refer P82 for details.)

| Name(Single Item) | Hard Bracket SW3030 ⟨Hard Bracket SW3030 with Tap⟩ |
|---|---|
| Item No. | SFJ-N11⟨SFJ-N11T⟩ |

| Name(Bolt and Nut Kit) | Hard Bracket SW3030 Kit ⟨Hard Bracket SW3030 Kit with Tap⟩ | Hard Bracket SW3030(Stainless)Kit ⟨Hard Bracket SW3030(Stainless)Kit with Tap⟩ |
|---|---|---|
| Item No. | SFK-N11⟨SFK-N11T⟩ | SFK-N11S⟨SFK-N11P⟩ |



■Usable Frame
Compatible to all SF30 series (Groove Width 8mm)

■Kit Contents
- Hard Bracket SW3030⟨or with Tap⟩×1
- Hexagon Socket Bolt (M6×15)×4
- T Nut S(M6)×4

※Bolt and Nut in (Stainless) Kit are stainless.

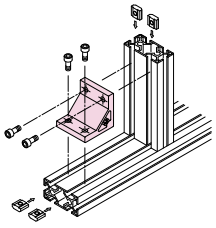
■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Weight 76g
Environment RoHS Compliant
Green Procurement

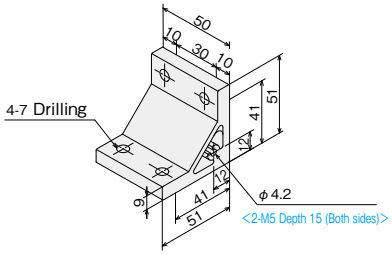
Parts How to order
Item No. SFJ-N03
Quantity (pcs) □□

●Cap for Bracket
P81

# Hard Bracket S3060



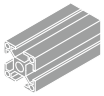





Please use Kit with Tap to install Side Cover. (Refer P82 for details.)

| Name(Single Item) | Hard Bracket S3060 〈Hard Bracket S3060 with Tap〉 |
|---|---|
| Item No. | SFJ-N04〈SFJ-N04T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket S3060 Kit 〈Hard Bracket S3060 Kit with Tap〉 | Hard Bracket S3060(Stainless)Kit 〈Hard Bracket S3060 (Stainless) Kit with Tap〉 |
|---|---|---|
| Item No. | SFK-N04〈SFK-N04T〉 | SFK-N04S〈SFK-N04P〉 |



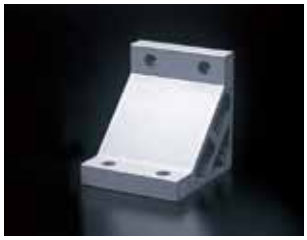
■Usable Frame
SF-30·60/1F
SF-60·60·2S/1F/2F
SF-60·90/60·120

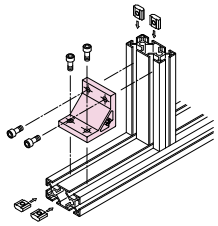
■Kit Contents
- ●Hard Bracket S3060〈or with Tap〉×1
- ●Hexagon Socket Bolt(M6×15)×4
- ●T Nut S(M6)×4

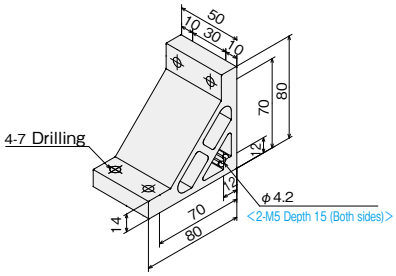
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Perpendicular surface is machining finished.
Weight 111g
Environment RoHS Compliant
Green Procurement

# Hard Bracket SG3060








Please use Kit with Tap to install Side Cover. (Refer P82 for details.)

| Name(Single Item) | Hard Bracket SG3060 〈Hard Bracket SG3060 with Tap〉 |
|---|---|
| Item No. | SFJ-N27〈SFJ-N27T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket SG3060 Kit 〈Hard Bracket SG3060 Kit with Tap〉 | Hard Bracket SG3060(Stainless)Kit 〈Hard Bracket SG3060 (Stainless) Kit with Tap〉 |
|---|---|---|
| Item No. | SFK-N27〈SFK-N27T〉 | SFK-N27S〈SFK-N27P〉 |



■Usable Frame
SF-30·60/1F
SF-60·60·2S/1F/2F
SF-60·90/60·120

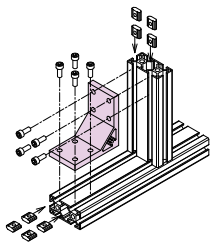
■Kit Contents
- ●Hard Bracket SG3060〈or with Tap〉×1
- ●Hexagon Socket Bolt (M6×22)×4
- ●T Nut S(M6)×4

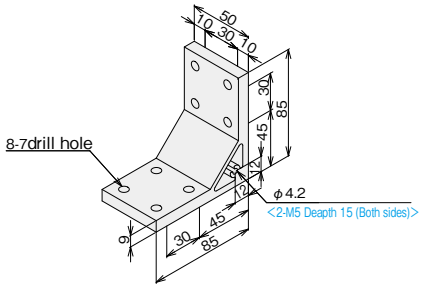
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Perpendicular surface is machining finished.
Weight 256g
Environment RoHS Compliant
Green Procurement

# Hard Bracket SW3060



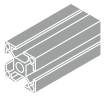





Please use Kit with Tap to install Side Cover. (Refer P82 for details.)

| Name(Single Item) | Hard Bracket SW3060 〈Hard Bracket SW3060 with Tap〉 |
|---|---|
| Item No. | SFJ-N12〈SFJ-N12T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket SW3060 Kit 〈Hard Bracket SW3060 Kit with Tap〉 | Hard Bracket SW3060(Stainless)Kit 〈Hard Bracket SW3060 (Stainless) Kit with Tap〉 |
|---|---|---|
| Item No. | SFK-N12〈SFK-N12T〉 | SFK-N12S〈SFK-N12P〉 |



■Usable Frame
SF-30·60/1F
SF-60·60·2S/1F/2F
SF-60·90/60·120

■Kit Contents
- ●Hard Bracket SW3060〈or with Tap〉×1
- ●Hexagon Socket Bolt (M6×15)×8
- ●T Nut S(M6)×8

※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Weight 192g
Environment RoHS Compliant
Green Procurement

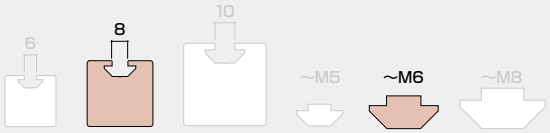
We sell Nut Material and Bracket Material as well.

T Nut S Material P62

●Hard Bracket S Material
●Angle Bracket S Material

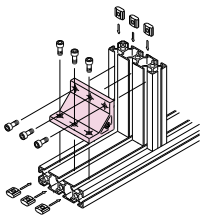

Material Frame

# SF30 SERIES

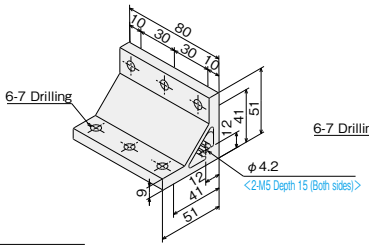



## Hard Bracket S3090／SG3090

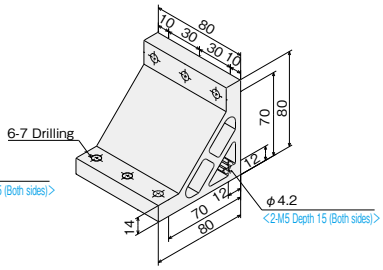




Hard Bracket S3090




Hard Bracket SG3090

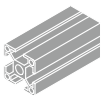



Please use Kit with Tap to install Side Cover. (Refer P82 for details.)

| Name(Single Item) | Hard Bracket S3090 〈Hard Bracket S3090 with Tap〉 | Hard Bracket SG3090 〈Hard Bracket SG3090 with Tap〉 |
|---|---|---|
| Item No. | SFJ-N10〈SFJ-N10T〉 | SFJ-N28〈SFJ-N28T〉 |

| Name(Bolt and Nut Kit) | S3090 Kit 〈S3090 Kit with Tap〉 | S3090(Stainless) Kit 〈S3090 (Stainless) Kit with Tap〉 | SG3090 Kit 〈SG3090 Kit with Tap〉 | SG3090(Stainless) Kit 〈SG3090 (Stainless) Kit with Tap〉 |
|---|---|---|---|---|
| Item No. | SFK-N10〈SFK-N10T〉 | SFK-N10S〈SFK-N10P〉 | SFK-N28〈SFK-N28T〉 | SFK-N28S〈SFK-N28P〉 |

■Usable Frame



SF-30·90
SF-60·90

■Kit Contents

〈Hard Bracket S3090 Kit〉
- Hard Bracket S3090〈or with Tap〉×1
- Hexagon Socket Bolt (M6×15)×6
- T Nut S(M6)×6

〈Hard Bracket SG3090 Kit〉
- Hard Bracket SG3090〈or with Tap〉×1
- Hexagon Socket Bolt (M6×22)×6
- T Nut S(M6)×6

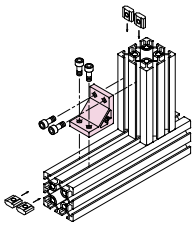
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data

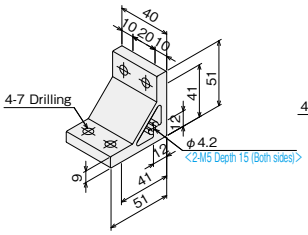
Material Aluminium Alloy Alumite Treatment
Weight 180g(S3090) 409g(SG3090)
Environment **RoHS** Compliant **Green** Procurement

## Hard Bracket S50／SG50

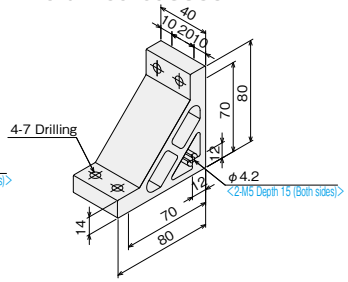




Hard Bracket S50




Hard Bracket SG50




Please use Kit with Tap to install Side Cover. (Refer P82 for details.)

| Name(Single Item) | Hard Bracket S50 〈Hard Bracket S50 with Tap〉 | Hard Bracket SG50 〈Hard Bracket SG50 with Tap〉 |
|---|---|---|
| Item No. | SFJ-N45〈SFJ-N45T〉 | SFJ-N47〈SFJ-N47T〉 |

| Name(Bolt and Nut Kit) | S50 Kit 〈S50 Kit with Tap〉 | S50(Stainless) Kit 〈S50 (Stainless) Kit with Tap〉 | SG50 Kit 〈SG50 Kit with Tap〉 | SG50(Stainless) Kit 〈SG50 (Stainless) Kit with Tap〉 |
|---|---|---|---|---|
| Item No. | SFK-N45〈SFK-N45T〉 | SFK-N45S〈SFK-N45P〉 | SFK-N47〈SFK-N47T〉 | SFK-N47S〈SFK-N47P〉 |

■Usable Frame



SF-50·50·2S
SF-50·100·2S

■Kit Contents

〈Hard Bracket S50 Kit〉
- Hard Bracket S50〈or with Tap〉×1
- Hexagon Socket Bolt (M6×15)×4
- T Nut S(M6)×4

〈Hard Bracket SG50 Kit〉
- Hard Bracket SG50〈or with Tap〉×1
- Hexagon Socket Bolt (M6×22)×4
- T Nut S(M6)×4

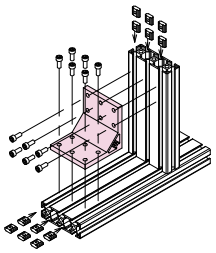
※Bolt and Nut in (Stainless) Kit are stainless.

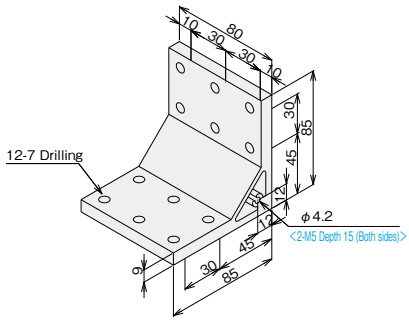
■Material/Technical Data

Material Aluminium Alloy Alumite Treatment
Weight 95g(S50) 218g(SG50)
Environment **RoHS** Compliant **Green** Procurement

## Hard Bracket SW3090





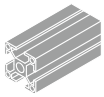



Please use Kit with Tap to install Side Cover.(Refer P82 for details.)

| Name(Single Item) | Hard Bracket SW3090 〈Hard Bracket SW3090 with Tap〉 |
|---|---|
| Item No. | SFJ-N13〈SFJ-N13T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket SW3090 Kit 〈Hard Bracket SW3090 Kit with Tap〉 | Hard Bracket SW3090(Stainless)Kit 〈Hard Bracket SW3090 (Stainless) Kit with Tap〉 |
|---|---|---|
| Item No. | SFK-N13〈SFK-N13T〉 | SFK-N13S〈SFK-N13P〉 |

■Usable Frame



SF-30·90
SF-60·90

■Kit Contents
- Hard Bracket SW3090〈or with Tap〉×1
- Hexagon Socket Bolt(M6×15)×12
- T Nut S(M6)×12

※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data

Material Aluminium Alloy Alumite Treatment
Weight 309g
Environment **RoHS** Compliant **Green** Procurement



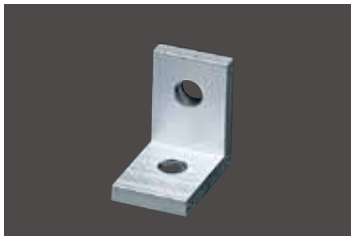
Example of order

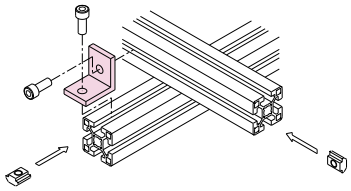
**Parts**
How to order
Item No.
**SFJ-N10**
Quantity (pcs)
□□

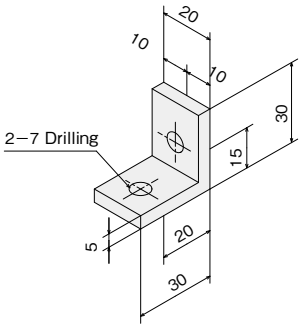
●Cap for Bracket
P81



# Angle Bracket S

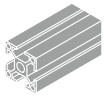







| Name(Single Item) | Angle Bracket S |
|---|---|
| Item No. | ★SFJ-A03 |

| Name(Bolt and Nut Kit) | Angle Bracket S Kit<br>〈Angle Bracket S(Stainless) Kit〉 |
|---|---|
| Item No. | ★SFK-A03〈★SFK-A03S〉 |



■Usable Frame
Compatible to all SF30 series (Groove Width 8mm)

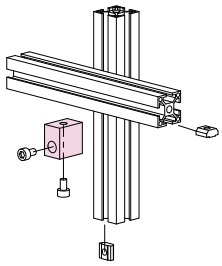
■Kit Contents
- ●Angle Bracket Hard S×1
- ●Hexagon Socket Bolt(M6×12)×2
- ●T Nut S(M6)×2

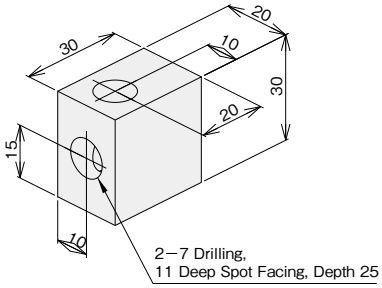
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Weight 14g
Environment ★RoHS Compliant
★Green Procurement

# Angle Bracket Hard S

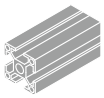







| Name(Single Item) | Angle Bracket Hard S |
|---|---|
| Item No. | SFJ-A15 |

| Name(Bolt and Nut Kit) | Angle Bracket Hard S Kit<br>〈Angle Bracket Hard S(Stainless) Kit〉 |
|---|---|
| Item No. | SFK-A15〈SFK-A15S〉 |



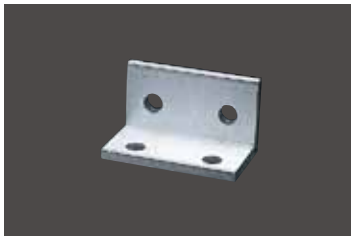
■Usable Frame
Compatible to all SF30 series (Groove Width 8mm)

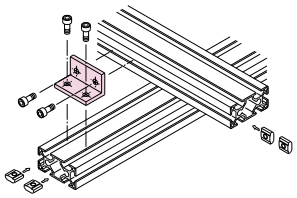
■Kit Contents
- ●Angle Bracket Hard S×1
- ●Hexagon Socket Bolt(M6×12)×2
- ●T Nut S(M6)×2

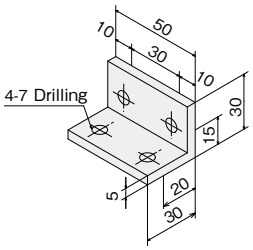
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Weight 37g
Environment RoHS Compliant
Green Procurement

# Angle Bracket S3060

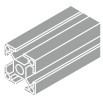







| Name(Single Item) | Angle Bracket S3060 |
|---|---|
| Item No. | ★SFJ-A04 |

| Name(Bolt and Nut Kit) | Angle Bracket S3060 Kit<br>〈Angle Bracket S3060(Stainless) Kit〉 |
|---|---|
| Item No. | ★SFK-A04〈★SFK-A04S〉 |



■Usable Frame
Compatible to all SF30 series (Groove Width 8mm)
※Doesn't meet with SF-35·35 (include 1F/2F/2H)SF-35·70(include 1F/2F).

■Kit Contents
- ●Angle Bracket S3060×1
- ●Hexagon Socket Bolt(M6×12)×4
- ●T Nut S(M6)×4

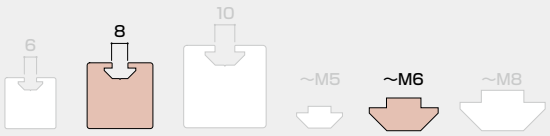
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
35g
Weight ★RoHS Compliant
Environment ★Green Procurement

We sell Nut Material and Bracket Material as well.
T Nut S Material P62
●Hard Bracket S Material
●Angle Bracket S Material



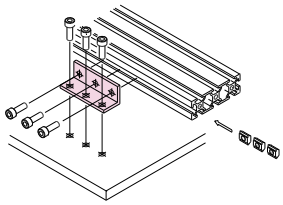
# SF30 SERIES



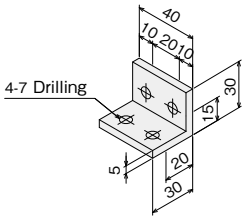

## Angle Bracket S50 / S3090



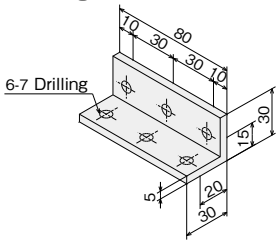




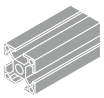
Angle Bracket S50




Angle Bracket S3090




| Name(Single Item) | Angle Bracket S50 | Angle Bracket S3090 |
|---|---|---|
| Item No. | SFJ-A11 | SFJ-A10 |
| Name(Bolt and Nut Kit) | Angle Bracket S50 Kit 〈Angle Bracket S50(Stainless) Kit〉 | Angle Bracket S3090 Kit 〈Angle Bracket S3090(Stainless) Kit〉 |
| Item No. | SFK-A11〈SFK-A11S〉 | SFK-A10〈SFK-A10S〉 |



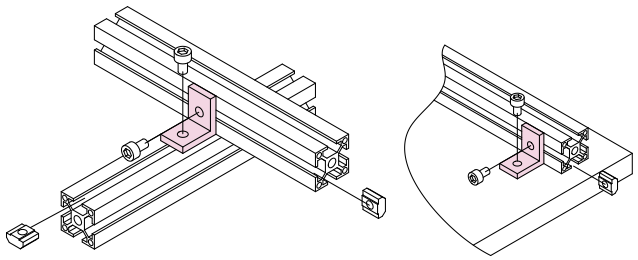
■Usable Frame
Compatible to all SF30 series (Groove Width 8mm)
※Doesn't meet with SF-35·35 (include 1F/2F/2H)SF-35·70(include 1F/2F).

■Kit Contents
〈Angle Bracket S50 Kit〉
●Angle Bracket S50×1
●Hexagon Socket Bolt(M6×12)×4
●T Nut S(M6)×4
〈Angle Bracket S3090 Kit〉
●Angle Bracket S3090×1
●Hexagon Socket Bolt(M6×12)×6
●T Nut S(M6)×6
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Weight 29g(S50)
60g(S3090)
Environment **RoHS** Compliant
**Green** Procurement

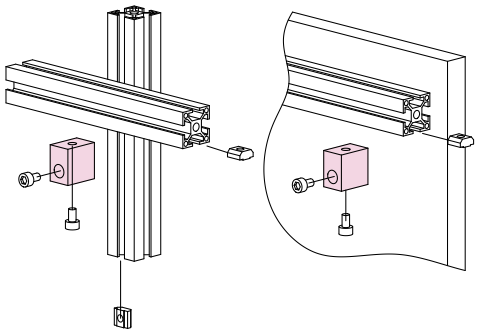
### How to use Angle Bracket・Angle Bracket Hard・Offset Angle S3060

Angle Bracket



●For cross joint of frames and base fixing

Angle Bracket Hard



●For the point which is applied vertical load

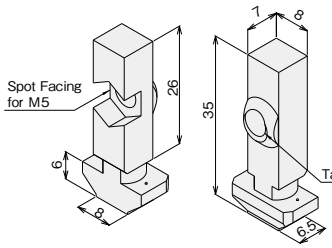


Example of order
Parts
How to order
Item No. SFJ-A11
Quantity (pcs) □□

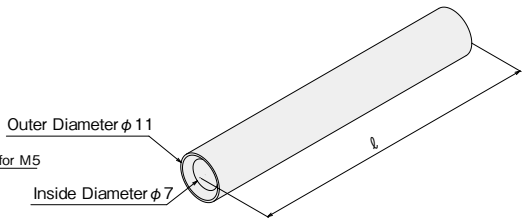
# QC Joint S

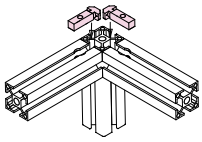


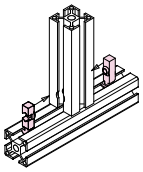
QC Joint S(Common Parts)



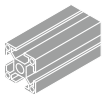

Round Metal Tool S





| | S Kit | S50 Kit | S60 Kit | S90 Kit | S100 Kit | S120 Kit |
|---|---|---|---|---|---|---|
| ℓ | 12 | 32 | 42 | 72 | 82 | 102 |



■Usable Frame
Compatible to all SF30 series (Groove Width 8mm)
※Doesn't meet with SF-35·35 (include 1F/2F/2H)SF-35·70(include 1F/2F).

| Name | QC Joint S Kit | QC Joint S50 Kit | QC Joint S60 Kit | QC Joint S90 Kit | QC Joint S100 Kit | QC Joint S120 Kit |
|---|---|---|---|---|---|---|
| Item No. | SFK-Q30 | SFK-Q31 | SFK-Q32 | SFK-Q33 | SFK-Q34 | SFK-Q35 |

Kit contents

| Kit Name | QC Joint | Round metal tool | Bolt |
|---|---|---|---|
| QC Joint S Kit | QC Joint S×1Set | Round metal tool S30×1 | Hexagon Socket Bolt (M5×22) Stainless×1 |
| QC Joint S50 Kit | | Round metal tool S50×1 | Hexagon Socket Bolt (M5×45) Stainless×1 |
| QC Joint S60 Kit | | Round metal tool S60×1 | Hexagon Socket Bolt (M5×55) Stainless×1 |
| QC Joint S90 Kit | | Round metal tool S90×1 | Hexagon Socket Bolt (M5×85) Stainless×1 |
| QC Joint S100 Kit | | Round metal tool S100×1 | Hexagon Socket Bolt (M5×90) Stainless×1 |
| QC Joint S120 Kit | | Round metal tool S120×1 | Hexagon Socket Bolt (M5×115)Stainless×1 |

■Material/Technical Data

| | QC Joint S | Round metal tool S |
|---|---|---|
| Material | Stainless With conductive function | Stainless |

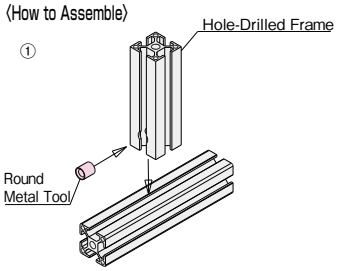
| Weight | S Kit | S50 Kit | S60 Kit | S90 Kit | S100 Kit | S120 Kit |
|---|---|---|---|---|---|---|
| | 45g | 58g | 63g | 82g | 87g | 100g |

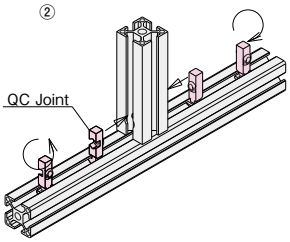
Environment **RoHS** Compliant **Green** Procurement

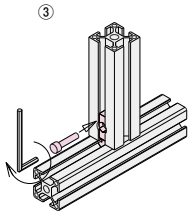
## QC Joint S

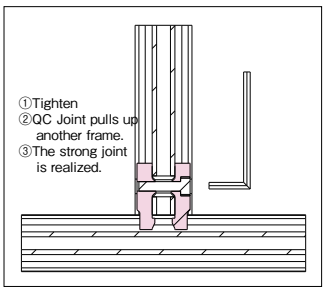
〈Characteristics〉 It's easy to set vertically and hardly make gap, because 2 frames are pulled at each other to combine. Also, you don't have to let nuts into frame in advance, and strong fixing is possible by one bolt, so the assembly man-hour is reduced.

〈How to Assemble〉



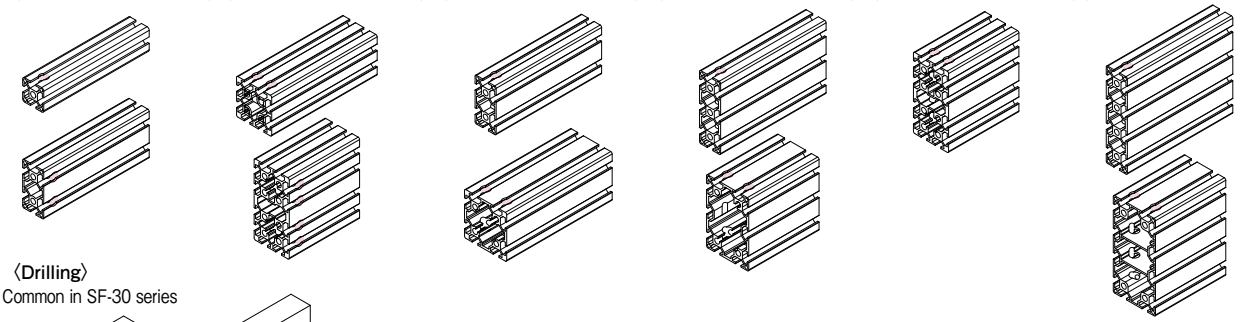



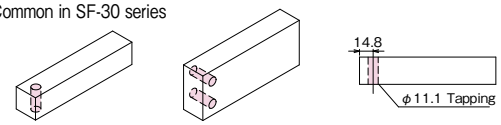




〈Example of Kit Selection〉

●QC Joint S Kit (For drilled hole to the direction of 30mm)
●QC Joint S50 Kit (For drilled hole to the direction of 50mm)
●QC Joint S60 Kit (For drilled hole to the direction of 60mm)
●QC Joint S90 Kit (For drilled hole to the direction of 90mm)
●QC Joint S100 Kit (For drilled hole to the direction of 100mm)
●QC Joint S120 Kit (For drilled hole to the direction of 120mm)



〈Drilling〉
Common in SF-30 series




GO ●Drillid by SUS Processing Symbol P212~

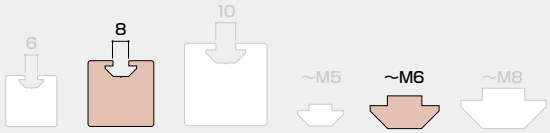
We sell Nut Material and Bracket Material as well.

T Nut S Material P62

●Hard Bracket S Material
●Angle Bracket S Material

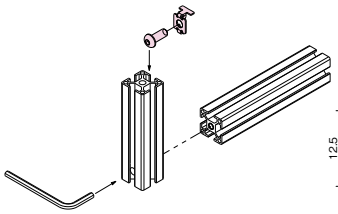


# SF30 SERIES

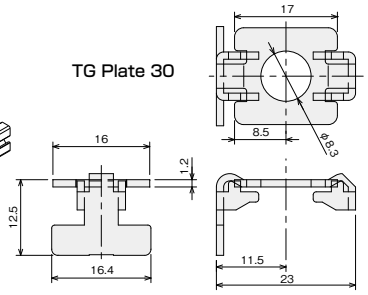



## TG Joint Kit 30 / Wrench Hole Cap

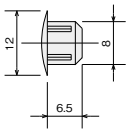




TG Plate 30



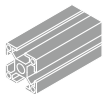

Wrench Hole Cap




※Hole Cover for Flat Type Frame (For 1F,2F,2H,3F)

| Name | TG Joint Kit 30 |
|---|---|
| Item No. | ★SFK-206 |

| Name | Wrench Hole Cap |
|---|---|
| Item No. | ★SFA-155 |



■Usable Frame
SF-30·30/1F/2F/2H/3F
SF-30·60/1F/2H
SF-30·90
SF-60·60·2S/1F/2F

■Kit Contents
●TG Plate30×1
●Hexagon Socket Button Bolt (M8×20)×1

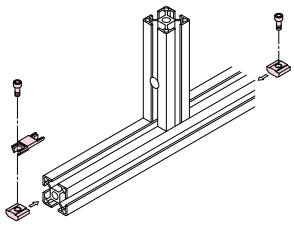
■Material/Technical Data

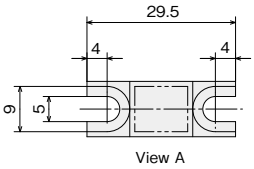
| | TG Joint kit 30 | Wrench Hole Cap |
|---|---|---|
| Material | SPCC(TG Plate 30) Uni-Chrome Plating | Polypropylene(Grey) |
| Weight | 13g | 0.2g |

Environment ★RoHS Compliant
★Green Procurement

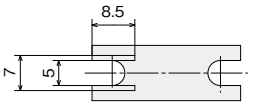
## S Double Joint Kit

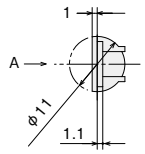




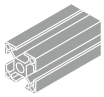



View A




■Usable Frame



Compatible to all SF30 series (Groove Width 8mm)
※ Doesn't meet with SF-30·30·2F/SF-60·60·2S(or 1F/2F)SF-60·90/SF-60·120. Doesn't meet with SF-35·35(include 1F/2F/2H)SF-35·70(include 1F/2F).

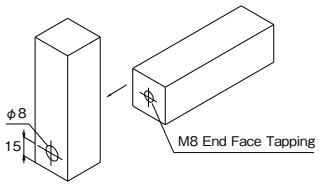
| Name | S Double Joint Kit 30 |
|---|---|
| Item No. | SFK-301S |

■Kit Contents
●S Double Joint S×1
●T Nut S(M5)×2
●Hexagon Socket Bolt (M5×22)Stainless×2

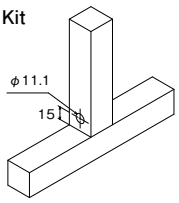
■Material/Technical Data
Material Stainless
Weight 34g
Environment RoHS Compliant
Green Procurement

### TG Joint・Double Joint・KF Joint

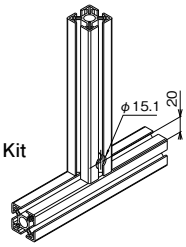
●TG Joint Kit




●S Double Joint Kit




●KF Joint Kit




TG, Double Joint, KF Joint are easy to set vertically and hardly make gap, because 2 frames are pulled each other.
Also, it looks clear because the joint part doesn't bulge outside.

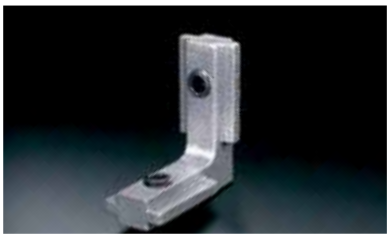
GO ●How to assemble. Refer P198~

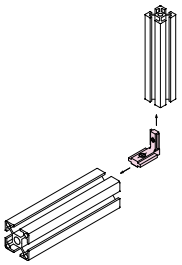
GO ●Drillid by SUS
Processing Symbol P212~

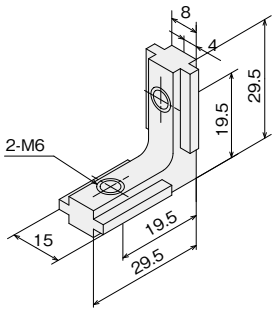


Example of order
Parts
How to order
Item No.
SFK-206
Quantity (pcs)

# S Blind Bracket S

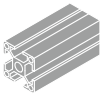







| Name | S Blind Bracket S |
|---|---|
| Item No. | SFK-601S |

■Usable Frame



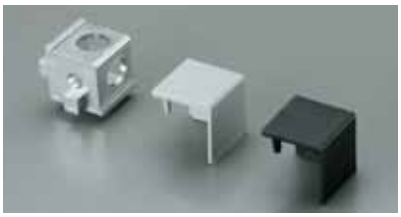
Compatible to all SF30 series (Groove Width 8mm)

■Material/Technical Data

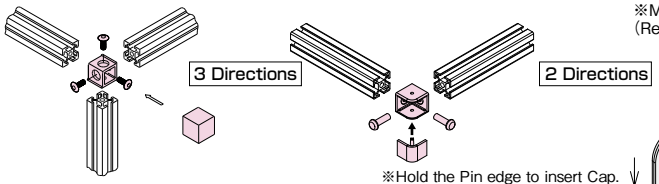
Material Stainless
Weight 26g
Environment RoHS Compliant
Green Procurement

2 Set Screws M6×8 Stainless Included.

# Block Bracket S Kit / Corner Block S Kit

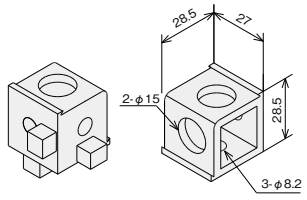




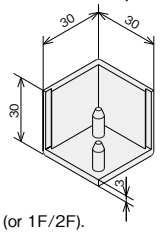



※Hold the Pin edge to insert Cap.

Block Bracket S

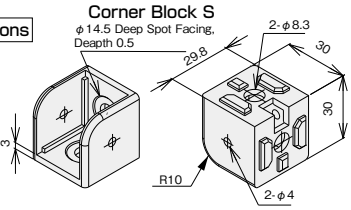



Block Cap S

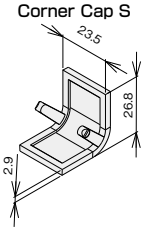



※M8 Tapping is needed to the section of SF30·30 (or 1F/2F). (Refer P209～ for details.)

Corner Block S




Corner Cap S

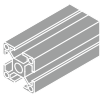



※M8 Tapping is needed to the section of SF30·30 (or 1F/2F). (Refer P209～ for details.)
※Corner block S Kit is installable by Tapping Bolt as well.

| Name | Block Bracket S Kit (Black) | Block Bracket S Kit (Light Gray) |
|---|---|---|
| Item No. | SFK-Q12 | SFK-Q12G |

| Name | Corner Block S Kit (Black) | Corner Block S Kit (Light Gray) |
|---|---|---|
| Item No. | SFK-Q62 | SFK-Q62G |

■Usable Frame



⟨Block Bracket S Kit⟩
SF-30·30(Include 1F/2F)
⟨Corner Block S Kit⟩
SF-30·30(1F/2F/3F/2H)

■Material/Technical Data

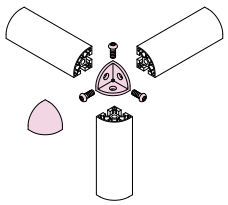
| | Block Bracket S Kit※1 | Corner Block S Kit※2 |
|---|---|---|
| Material | Zinc Die-Cast(Block Bracket S) Polyamide(Block Cap S) | Stainless(Corner Block S) Polyamide(Corner Cap S) |
| Weight | 59g(Block Bracket S) 8g(Block Cap S) | 71g(Corner Block S) 3.2g(Corner Cap S) |

Environment RoHS Compliant

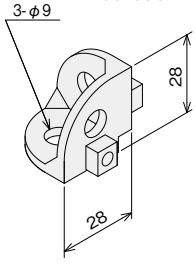
※1 3 Hexagon Socket Button Bolt M8×25 Included.
※2 2 Hexagon Socket Button Bolt M8×25 Included.

# R Bracket S Kit

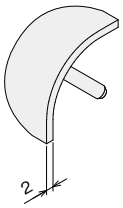




R Bracket S



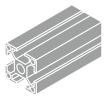

R Cap S




※M8 Tapping is needed to the section of SF30·30·R. (Refer P209～ for details.)

| Name | R Bracket S Kit (Black) | R Bracket S Kit (Light Gray) |
|---|---|---|
| Item No. | SFK-R02 | SFK-R02G |

■Usable Frame



SF-30·30·R

■Material/Technical Data

R Bracket S Kit※3
Material Stainless(R Bracket S) Polyamide(R Cap S)
Weight 47g(R Bracket S) 6g(R Cap S)
Environment RoHS Compliant

※3 Hexagon Socket Button Bolt M8×25 Included.

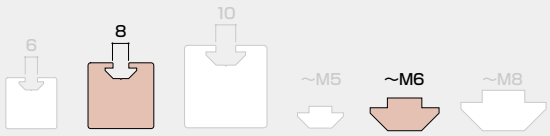
We sell Nut Material and Bracket Material as well.

T Nut S Material P62

●Hard Bracket S Material
●Angle Bracket S Material

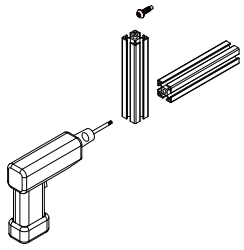


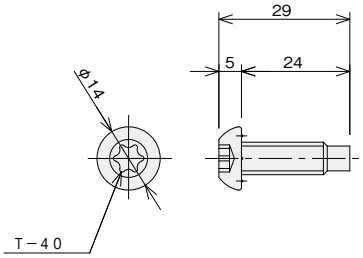
# SF30 SERIES




## Tapping Bolt S

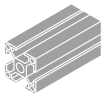







| Name | Tapping Bolt S |
|---|---|
| Item No. | SFB-T30 |

■Usable Frame



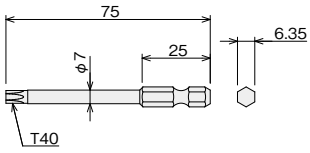
SF-30·30(1F/2F/3F/2H)
SF-30·60(1F)
SF-30·90/30·120
SF-60·60·2S(1F/2F)

■Material/Technical Data

Material SWCH 18A
Uni-Chrome Plating
Weight 9g
Environment **RoHS** Compliant
**Green** Procurement

## Torque Bit T40 / Torque Driver T40






Weight 20g

| Name | Torque Bit T40 |
|---|---|
| Item No. | SFA-JT40 |

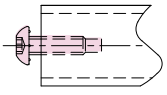


Weight 126g

| Name | Torque Driver T40 |
|---|---|
| Item No. | SFA-T40H |

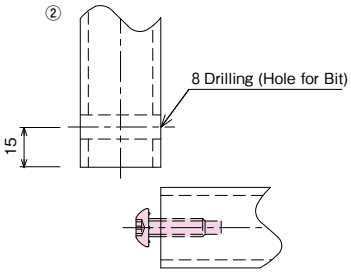
### How to fix Tapping Bolt

①



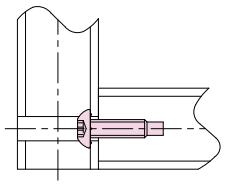
Fix the frame with jig etc, and screw the Tapping Bolt halfway into the end face. (Temporary joint)
* In case it's too tight, please use cutting oil.

②




Put the bolt head through T slot of another frame.

③



Tighten by Manual tool to fix.
※Manual tool is recommended, because the reaction of torque up is big by using electric drill.

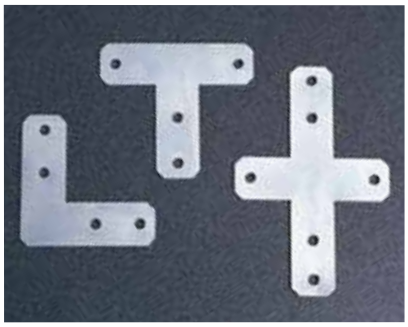
GO ●Drillid by SUS
Processing Symbol P212~

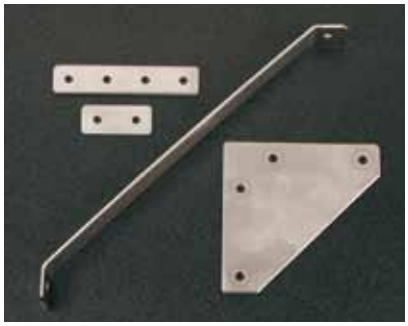


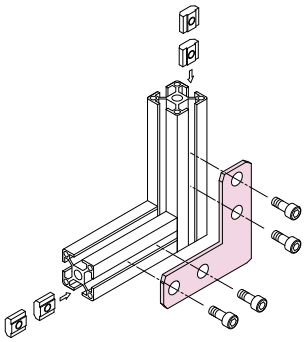
Example of order

Parts
How to order
Item No.
SFB-T30
Quantity (pcs)
□□

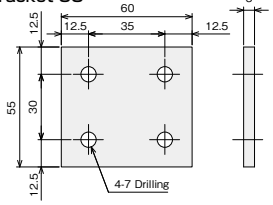
# Plate Bracket S





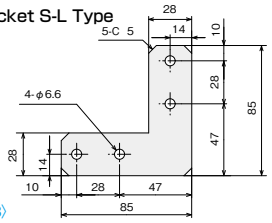


## S Plate Bracket SG




t=5

## Plate Bracket S-L Type

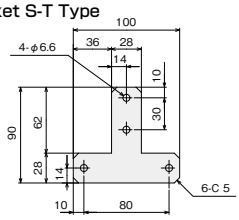



t=3.2 〈t=3〉

| Name | S Plate Bracket SG | S Plate Bracket SG Kit | Plate Bracket S-L Type 〈S Plate Bracket S-L Type〉 | Plate Bracket S-L Type Kit 〈S Plate Bracket S-L Type Kit〉 |
|---|---|---|---|---|
| Item No. | SFJ-122S | SFK-122S | SFJ-104〈SFJ-104S〉 | SFK-104〈SFK-104S〉 |

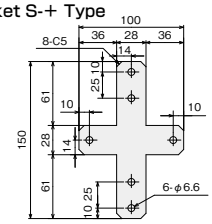
| Kit contents | | |
|---|---|---|
| | ●Plate Bracket SG×1<br>●Hexagon Socket Bolt(M6×12)Stainless×4<br>●ST Nut S(M6)×4 | ●Plate Bracket S-L×1<br>●Hexagon Socket Bolt(M6×10)×4<br>●T Nut S(M6)×4<br>●S Plate Bracket S-L×1<br>●Hexagon Socket Bolt(M6×10)Stainless×4<br>●ST Nut S(M6)×4 |

## Plate Bracket S-T Type




t=3.2 〈t=3〉

## Plate Bracket S-+ Type

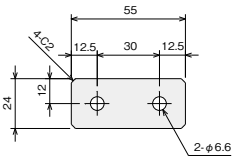



t=3.2 〈t=3〉

| Name | Plate Bracket S-T Type 〈S Plate Bracket S-T Type〉 | Plate Bracket S-T Type Kit 〈S Plate Bracket S-T Type Kit〉 | Plate Bracket S-+ Type 〈S Plate Bracket -+ Type〉 | Plate Bracket S-+ Type Kit 〈S Plate Bracket -+ Type Kit〉 |
|---|---|---|---|---|
| Item No. | SFJ-103〈SFJ-103S〉 | SFK-103〈SFK-103S〉 | SFJ-105〈SFJ-105S〉 | SFK-105〈SFK-105S〉 |

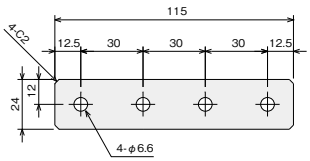
| Kit contents | | |
|---|---|---|
| | ●Plate Bracket S-T×1<br>●Hexagon Socket Bolt((M6×10)×4<br>●T Nut S(M6)×4<br>●S Plate Bracket S-T×1<br>●Hexagon Socket Bolt (M6×10)Stainless×4<br>●ST Nut S(M6)×4 | ●Plate Bracket S-+×1<br>●Hexagon Socket Bolt(M6×10)×6<br>●T Nut S(M6)×6<br>●S Plate Bracket S-+×1<br>●Hexagon Socket Bolt(M6×10)Stainless×6<br>●ST Nut S(M6)×6 |

## Plate Bracket S-H2




t=3

## Plate Bracket S-H4

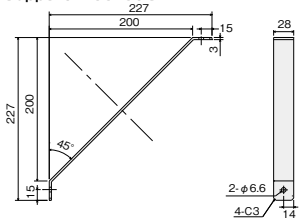



t=3

| Name | Plate Bracket S-H2 | Plate Bracket S-H2 Kit | Plate Bracket S-H4 | Plate Bracket S-H4 Kit |
|---|---|---|---|---|
| Item No. | SFJ-125S | SFK-125S | SFJ-129S | SFK-129S |

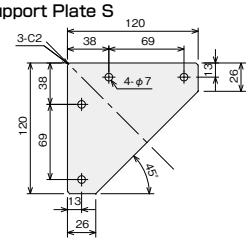
| Kit contents | | |
|---|---|---|
| | ●Plate Bracket S-H2×1<br>●Hexagon Socket Bolt(M6×10)Stainless×2<br>●ST Nut S(M6)×2 | ●Plate Bracket S-H4×1<br>●Hexagon Socket Bolt(M6×10)Stainless×4<br>●ST Nut S(M6)×4 |

## Corner Support Bracket S




t=3

## Corner Support Plate S




t=2

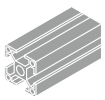
| Name | Corner Support Bracket S | Corner Support Bracket S Kit | Corner Support Plate S | Corner Support Plate S Kit |
|---|---|---|---|---|
| Item No. | SFJ-134S | SFK-134S | SFJ-137S | SFK-137S |

| Kit contents | | |
|---|---|---|
| | ●Corner Support Bracket S×1<br>●Hexagon Socket Bolt(M6×10)Stainless×2<br>●ST Nut S(M6)×2 | ●Corner Support Plate S×1<br>●Hexagon Socket Bolt(M6×10)Stainless×4<br>●ST Nut S(M6)×4 |

## ■Material/Technical Data

| Name | Weight(g) | Material | Environment |
|---|---|---|---|
| Plate Bracket SG | 125 | SUS304 | RoHS Compliant Green Procurement |
| Plate Bracket S-L | 92 | SPCC Uni-Chrome | |
| S Plate Bracket S-L | 87 | SUS304 | |
| Plate Bracket S-T | 106 | SPCC Uni-Chrome | |
| S Plate Bracket S-T | 96 | SUS304 | |
| Plate Bracket S-+ | 145 | SPCC Uni-Chrome | |
| S Plate Bracket S-+ | 135 | SUS304 | |
| Plate Bracket S-H2 | 29.6 | SUS304 | |
| Plate Bracket S-H4 | 62.2 | SUS304 | |
| Corner Reinforced Bracket S | 200 | SUS304 | |
| Corner Reinforced Plate S | 155.8 | SUS304 | |

## ■Usable Frame



Compatible to all SF30 series
(Groove Width 8mm)
※Plate Bracket S-H2/H4 doesn't meet with SF-35·35(include 1F/2F/2H) SF-35·70(include 1F/2F).

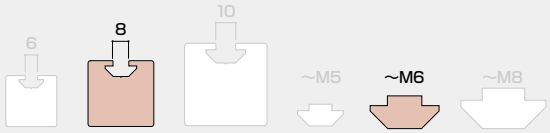
We sell Nut Material and Bracket Material as well.

T Nut S Material P62

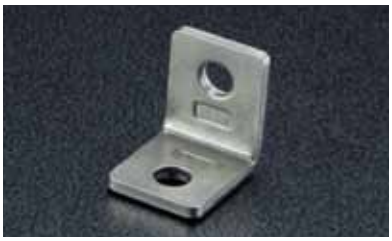
●Hard Bracket S Material
●Angle Bracket S Material

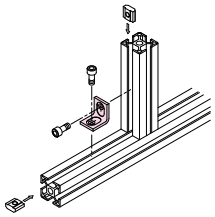

Material Frame

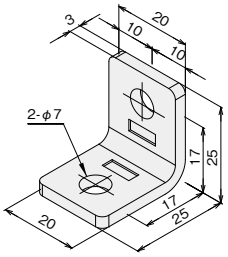
# SF30 SERIES

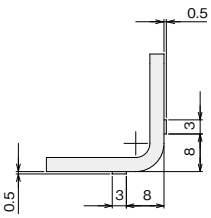



## L Bracket S (Stainless)



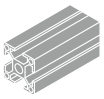





| Name(Single Item) | L Bracket S (Stainless) |
|---|---|
| Item No. | SFJ-101S |
| Name(Bolt and Nut Kit) | L Bracket S (Stainless)Kit |
| Item No. | SFK-101S |

■Usable Frame



Compatible to all SF30 series (Groove Width 8mm)

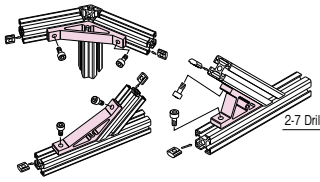
■Kit Contents
- L Bracket S (Stainless)×1
- Hexagon Socket Bolt (M6×10)Stainless×2
- ST Nut S(M6)×2

■Material/Technical Data

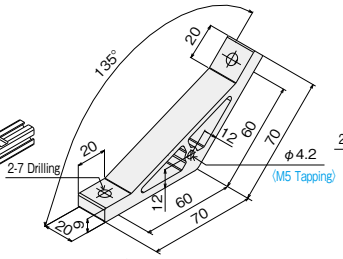
Material SUS304
Weight 18g
Environmen RoHS Compliant
Green Procurement

## Hard Bracket S·DE

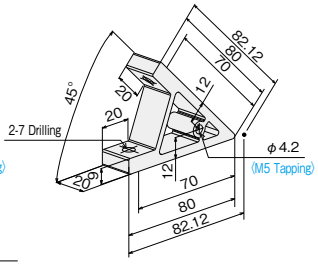


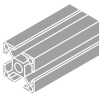


Hard Bracket S・DE135




Hard Bracket S・DE45



■Usable Frame
SF30·DE45·SF35 Series 45°slant cut frame (Refer P208)

Please use Kit with Tap to install Side Cover.(Refer P82 for details.)

| Name(Single Item) | Hard Bracket S·DE135 〈Hard Bracket S·DE135 with Tap〉 | | Hard Bracket S·DE45 〈Hard Bracket S·DE45 with Tap〉 | |
|---|---|---|---|---|
| Item No. | SFJ-N33〈SFJ-N33T〉 | | SFJ-N34〈SFJ-N34T〉 | |
| Name(Bolt and Nut Kit) | S·DE135 Kit 〈S·DE135 Kit with Tap〉 | S·DE135(Stainless)Kit 〈S·DE135(Stainless)Kit with Tap〉 | S·DE45 Kit 〈S·DE45 Kit with Tap〉 | S·DE45(Stainless)Kit 〈S·DE45(Stainless)Kit with Tap〉 |
| Item No. | SFK-N33〈SFK-N33T〉 | SFK-N33S〈SFK-N33P〉 | SFK-N34〈SFK-N34T〉 | SFK-N34S〈SFK-N34P〉 |

■Kit Contents

〈Hard Bracket S·DE135 Kit〉
- Hard Bracket S·DE135〈or with Tap〉×1
- Hexagon Socket Bolt(M6×15)×2
- T Nut S(M6)×2

〈Hard Bracket S·DE45 Kit〉
- Hard Bracket ·DE45〈or with Tap〉×1
- Hexagon Socket Bolt(M6×15)×2
- T Nut S(M6)×2

※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data

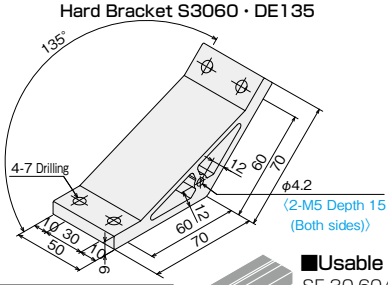
Material Aluminium Alloy Alumite Treatment
Weight 68g(DE135) 58g(DE45)
Environment RoHS Compliant
Green Procurement

## Hard Bracket SS3060·DE

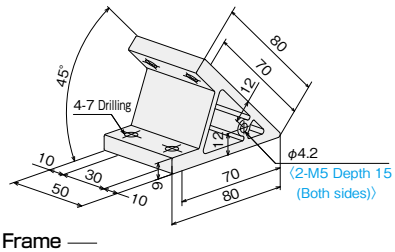


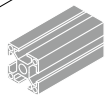


Hard Bracket S3060・DE135




Hard Bracket S3060・DE45



■Usable Frame
SF·30·60/60·60·2S/60·90/60·120Series 45°slant cut frame(Refer P208)

Please use Kit with Tap to install Side Cover.(Refer P82 for details.)

| Name(Single Item) | Hard Bracket S3060·DE135 〈Hard Bracket S3060·DE135 with Tap〉 | | Hard Bracket S3060·DE45 〈Hard Bracket S3060·DE45 with Tap〉 | |
|---|---|---|---|---|
| Item No. | SFJ-N40〈SFJ-N40T〉 | | SFJ-N39〈SFJ-N39T〉 | |
| Name(Bolt and Nut Kit) | S3060·DE135 Kit 〈S3060·DE135 Kit with Tap〉 | S3060·DE135(Stainless)Kit 〈S3060·DE135(Stainless)Kit with tTap〉 | S3060·DE45 Kit 〈S3060·DE45 Kit with Tap〉 | S3060·DE45(Stainless)Kit 〈S3060·DE45(Stainless)Kit with Tap〉 |
| Item No. | SFK-N40〈SFK-N40T〉 | SFK-N40S〈SFK-N40P〉 | SFK-N39〈SFK-N39T〉 | SFK-N39S〈SFK-N39P〉 |

■Kit Contents

〈Hard Bracket S3060·DE135 Kit〉
- Hard Bracket S3060·DE135〈or with Tap〉×1
- Hexagon Socket Bolt(M6×15)×4
- T Nut S(M6)×4

〈Hard Bracket S3060·DE45 Kit〉
- Hard Bracket S3060·DE45〈or with Tap〉×1
- Hexagon Socket Bolt(M6×15)×4
- T Nut S(M6)×4

※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data

Material Aluminium Alloy Alumite Treatment
Weight 185g(DE135) 158g(DE45)
Environment RoHS Compliant
Green Procurement

Example of order

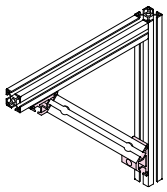
**Parts How to order**

Item No. SFJ-101S

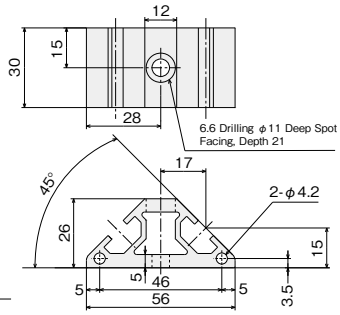
Quantity (pcs) □□

# Truss Joint S



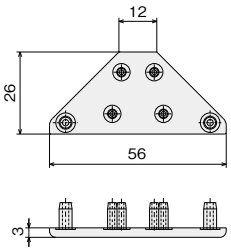


Truss Joint S



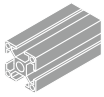

※Groove size is as same as SF-30·30

Truss Cap S




| Name(Single Item) | Truss Joint S | |
|---|---|---|
| Item No. | SFJ-J02 | |
| Name(Bolt and Nut Kit) | Truss Cap S (Black) | Truss Cap S (Light Gray) |
| Item No. | SFA-J02 | SFA-J02G |

■Usable Frame



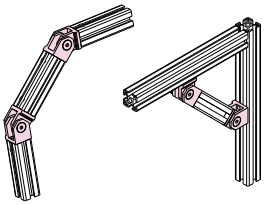
(Frame to reinforce)
SF-30·30
(Frame to combine)
SF-30·40·45 series installable

■Material/Technical Data

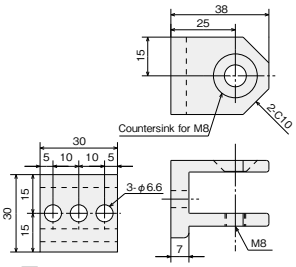
| | Truss Joint S | Truss Cap S |
|---|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment | Polyamide |
| | 37g | 3.5g |
| Weight | RoHS Compliant | |
| Environment | Green Procurement | |

# Turn Bracket 30A / B

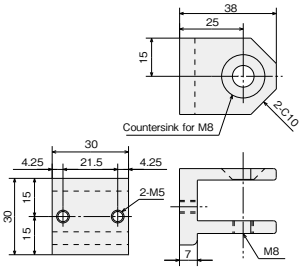




Turn Bracket 30A

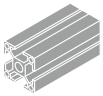



Turn Bracket 30B




| Name | Turn Bracket 30A | Turn Bracket 30B |
|---|---|---|
| Item No. | SFK-41A | SFK-41B |

■Usable Frame



(End Surface Installation)
SF-30·30 Exclusive.
(Side surface Installation)
T Nut is M6.

■Material/Technical Data

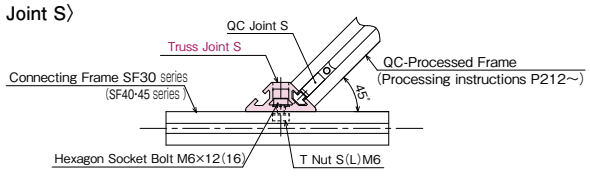
Turn Bracket 30A/B※

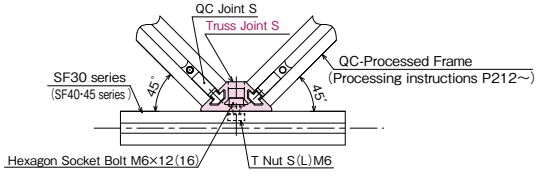
| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Weight | 33g(30A)/35g(30B) |
| Environment | RoHS Compliant |

※30A and B each include Hexagon Socket Flat Head Cap Screw(M8×12).

## How to use Truss Joint・Turn Bracket

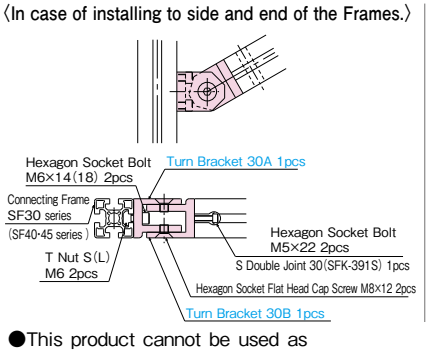
〈Truss Joint S〉



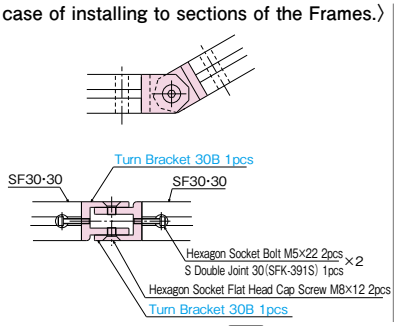




〈Turn Bracket〉

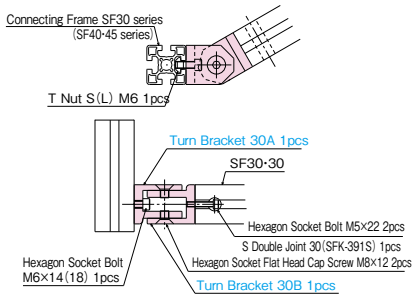
〈In case of installing to side and end of the Frames.〉




〈In case of installing to sections of the Frames.〉




〈In case of installing to side and end of the Frames.〉




●This product cannot be used as supporting point of movable part.

GO ●Use Processing Symbols written from P214~ to specify frilling for Double Joint.

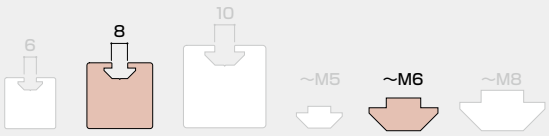
We sell Nut Material and Bracket Material as well.

T Nut S Material P62

●Hard Bracket S Material
●Angle Bracket S Material

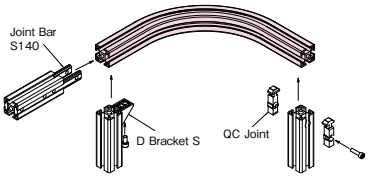


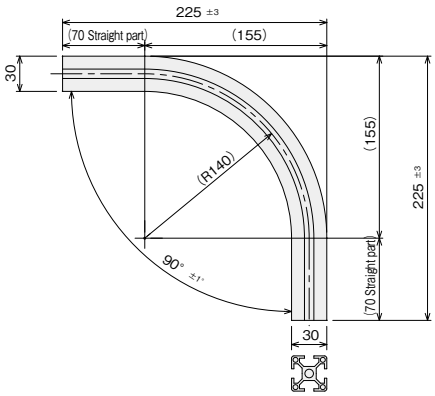
# SF30 SERIES




## Bend Bracket S

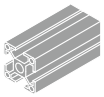





| Name | Bend Bracket S (Stainless) |
|---|---|
| Item No. | SFJ-V01 |

■Kit Contents



Compatible to SF-30·30 series (1F/2F/2H/3F).

■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
(Special order:Black Alumite is available.)
Weight 332g
Environment **RoHS** Compliant
**Green** Procurement







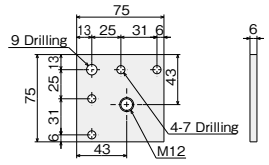
Parts How to order
Item No. SFJ-V01
Quantity (pcs) □□

# Adjuster Kit



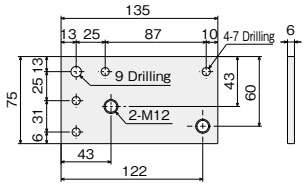
## ■Plate

### Adjuster Plate S / Adjuster Plate S(Stainless)



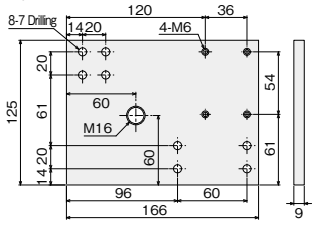

| | Material | Treatment | Weight |
|---|---|---|---|
| Adjuster Plate S | SS400 | Uni-Chrome | 0.24kg |
| Adjuster Plate S(Stainless) | SUS304 | | |

### Adjuster Caster Plate S / Adjuster Caster Plate S(Stainless)



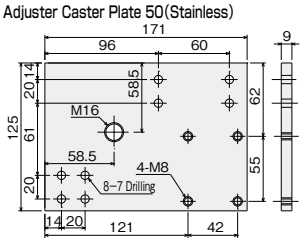

| | Material | Treatment | Weight |
|---|---|---|---|
| Adjuster Caster Plate S | SS400 | Uni-Chrome | 0.44kg |
| Adjuster Caster Plate S(Stainless) | SUS304 | | |

### Adjuster Caster Plate 50



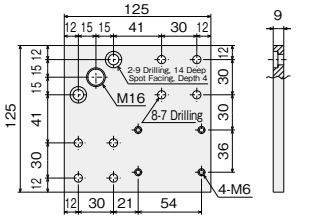

| | Material | Treatment | Weight |
|---|---|---|---|
| Adjuster Caster Plate 50 | SS400 | Uni-Chrome | 1.03kg |

### Adjuster Caster Plate 50(Stainless)



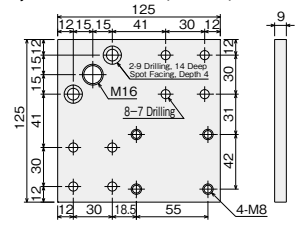

| | Material | Treatment | Weight |
|---|---|---|---|
| Adjuster Caster Plate 50(Stainless) | SUS304 | | 1.04kg |

### Adjuster Caster Plate 60




| | Material | Treatment | Load Capacity |
|---|---|---|---|
| Adjuster Caster Plate 60 | SS400 | Uni-Chrome | 1.03kg |

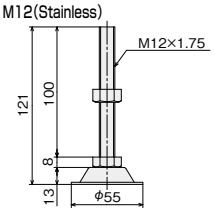
### Adjuster Caster Plate 60(Stainless)




| | Material | Treatment | Load Capacity |
|---|---|---|---|
| Adjuster Caster Plate 60(Stainless) | SUS304 | | 1.04kg |

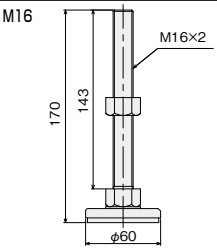
## ■Adjuster

### Adjuster M12 / Adjuster M12(Stainless)



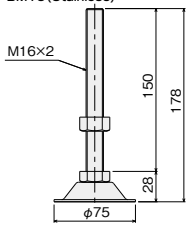

| | Material | Treatment | Load Capacity | Weight |
|---|---|---|---|---|
| Adjuster M12 | SS400 | Uni-Chrome | 500kg | 169g |
| Adjuster M12(Stainless) | SUS304 | Electrolytic Polishing | 300kg | 165g |

### Adjuster M16




| | Material | Treatment | Load Capacity | Weight | Bottom |
|---|---|---|---|---|---|
| Adjuster M16 | SS400 | Zn Black | 500kg | 386g | Neoprene rubber |

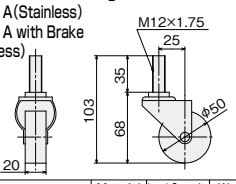
### Adjuster BM16(Stainless)




| | Material | Treatment | Load Capacity | Weight |
|---|---|---|---|---|
| Adjuster BM16(Stainless) | SUS304 | Electrolytic Polishing | 560kg | 375g |

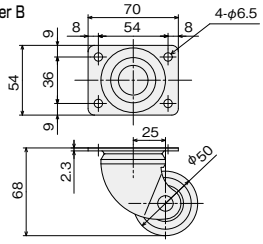
## ■Caster

### Caster A / Caster A brake attaching / Caster A(Stainless) / Caster A with Brake (Stainless)



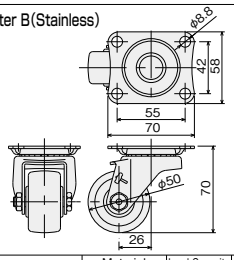

| | Material | Load Capacity | Weight |
|---|---|---|---|
| Caster A | Rubber | 30kg | 189g |
| Caster A with Brake | Rubber | 30kg | 223g |
| Caster A(Stainless) | Nylon | 40.8kg | 147g |

### Caster B




| | Material | Load Capacity | Weight |
|---|---|---|---|
| Caster B | Phenol Resin | 150kg | 340g |

### Caster B(Stainless)




| | Material | Load Capacity | Weight |
|---|---|---|---|
| Caster B(Stainless) | Phenol Resin | 71.4kg | 285g |

| | Item No. | Name | Compatible Frame | Kit contents | | |
|---|---|---|---|---|---|---|
| Adjuster + Plate | SFK-503A | Level Adjuster Kit S | SF-30·30 | ●Adjuster Plate S×1<br>●T Nut S(M6)×4 | ●Adjuster M12×1<br>●Hexagon Socket Bolt(M6×12)×4 | |
| | SFK-503S | Level Adjuster Kit S(Stainless) | SF-30·30 | ●Adjuster Plate S(Stainless)×1<br>●ST Nut S(M6)×4 | ●Adjuster M12(Stainless)×1<br>●Hexagon Socket Bolt(M6×12)Stainless×4 | |
| | SFK-517 | Level Adjuster Kit 50 | SF-50·50·2S | ●Adjuster Caster Plate 50×1<br>●T Nut S(M6)×8 | ●Adjuster M16×1<br>●Hexagon Socket Bolt(M6×15)×8 | |
| | SFK-517S | Level Adjuster Kit 50(Stainless) | SF-50·50·2S | ●Adjuster Caster Plate 50(Stainless)×1<br>●ST Nut S(M6)×8 | ●Adjuster BM16(Stainless)×1<br>●Hexagon Socket Bolt(M6×15)Stainless×8 | |
| | SFK-511A | Level Adjuster Kit 60 | SF-60·60·2S | ●Adjuster Caster Plate 60×1<br>●T Nut S(M6)×8 | ●Adjuster M16×1<br>●Hexagon Socket Bolt(M6×15)×8 | |
| | SFK-511S | Level Adjuster Kit 60(Stainless) | SF-60·60·2S | ●Adjuster Caster Plate 60(Stainless)×1<br>●ST Nut S(M6)×8 | ●Adjuster BM16(Stainless)×1<br>●Hexagon Socket Bolt(M6×15)Stainless×8 | |
| Caster + Plate | SFK-505A | Caster Kit S | SF-30·30 | ●Adjuster Plate S×1<br>●T Nut S(M6)×4 | ●Caster A×1<br>●Hexagon Socket Bolt(M6×12)×4 | ●Hexagon Nut(M12)×1 |
| | SFK-505S | Caster Kit S(Stainless) | SF-30·30 | ●Adjuster Plate S(Stainless)×1<br>●ST Nut S(M6)×4 | ●Caster A(Stainless)×1<br>●Hexagon Socket Bolt(M6×12)Stainless×4 | ●Hexagon Nut(M12)Stainless×1 |
| | SFK-506A | Caster Kit S with Brake | SF-30·30 | ●Adjuster Plate S×1<br>●T Nut S(M6)×4 | ●CasterA brake attaching×1<br>●Hexagon Socket Bolt(M6×12)×4 | ●Hexagon Nut(M12)×1 |
| | SFK-506S | Caster Kit S with Brake(Stainless) | SF-30·30 | ●Adjuster Plate S(Stainless)×1<br>●ST Nut S(M6)×4 | ●CasterA brake attaching(Stainless)×1<br>●Hexagon Socket Bolt(M6×12)Stainless×4 | ●Hexagon Nut(M12)Stainless×1 |
| Caster Adjuster + Plate | SFK-504A | Level Adjuster Kit with Caster S | SF-30·30 | ●Adjuster Caster Plate S×1<br>●Adjuster M12×1 | ●Caster A×1<br>●T Nut S(M6)×4 | ●Hexagon Socket Bolt(M6×12)×4<br>●Hexagon Nut(M12)×1 |
| | SFK-504S | Level Adjuster Kit with Caster S(Stainless) | SF-30·30 | ●Adjuster Caster Plate S(Stainless)×1<br>●Adjuster M12(Stainless)×1 | ●Caster A(Stainless)×1<br>●ST Nut S(M6)×4 | ●Hexagon Socket Bolt(M6×12)Stainless×4<br>●Hexagon Nut(M12)Stainless×1 |
| | SFK-518 | Level Adjuster Kit with Caster 50 | SF-50·50·2S | ●Adjuster Caster Plate 50×1<br>●Adjuster M16×1 | ●Caster B×1<br>●T Nut S(M6)×8 | ●Hexagon Socket Bolt(M6×15)×8<br>●Hexagon Socket Bolt(M6×10)×4 |
| | SFK-518S | Level Adjuster Kit with Caster 50(Stainless) | SF-50·50·2S | ●Adjuster Caster Plate 50(Stainless)×1<br>●Adjuster BM16(Stainless)×1 | ●Caster B(Stainless)×1<br>●ST Nut S(M6)×8 | ●Hexagon Socket Bolt(M6×15)Stainless×8<br>●Hexagon Socket Bolt(M8×12)Stainless×4 |
| | SFK-512A | Level Adjuster Kit with Caster 60 | SF-60·60·2S | ●Adjuster Caster Plate 60×1<br>●Adjuster M16×1 | ●Caster B×1<br>●T Nut S(M6)×8 | ●Hexagon Socket Bolt(M6×15)×8<br>●Hexagon Socket Bolt(M6×10)×4 |
| | SFK-512S | Level Adjuster Kit with Caster 60(Stainless) | SF-60·60·2S | ●Adjuster Caster Plate 60(Stainless)×1<br>●Adjuster BM16(Stainless)×1 | ●Caster B(Stainless)×1<br>●STNut S(M6)×8 | ●Hexagon Socket Bolt(M6×15)Stainless×8<br>●Hexagon Socket Bolt(M8×12)Stainless×4 |

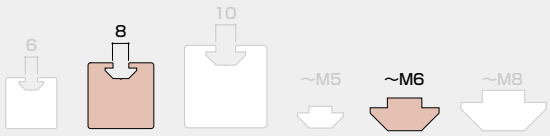
We sell Nut Material and Bracket Material as well.

T Nut S Material P62

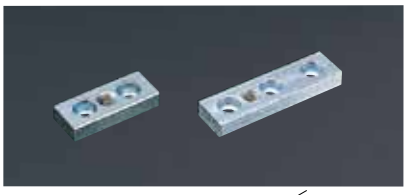
●Hard Bracket S Material
●Angle Bracket S Material



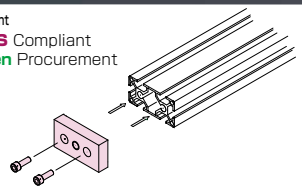
# SF30 SERIES



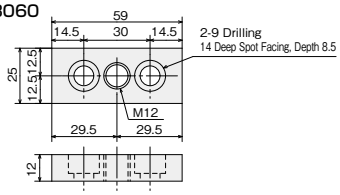

## Foot Base



Environment
★RoHS Compliant
★Green Procurement



### Foot Base 3060

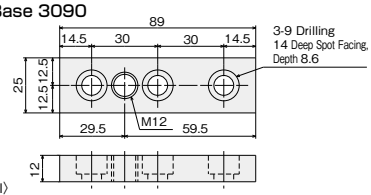



〈Material〉

| | |
|---|---|
| Foot Base3060 | SS400 Uni-Chrome Plating Hexagon Socket Bolt(M8×20)Include 2 Weight/100g |
| Foot Base3060 (Stainless) | SUS304 Hexagon Socket Bolt(M8×20) Include 2 Stainless Bolts Weight/101g |

■Usable Frame
SF-30·60(or 1F)

### Foot Base 3090

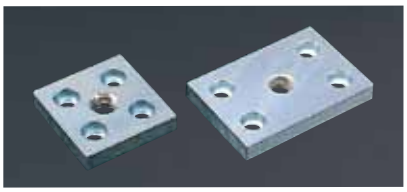



〈Material〉

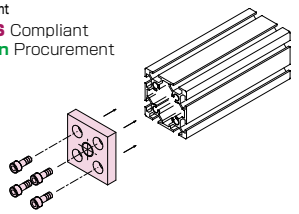
| | |
|---|---|
| Foot Base 3090 | SS400 Uni-Chrome Plating Hexagon Socket Bolt(M8×20)Include3 Weight/156g |
| Foot Base 3090 (Stainless) | SUS304 Hexagon Socket Bolt (M8×20) Include3 Stainless Bolts Weight/157g |

■Usable Frame
SF-30·90

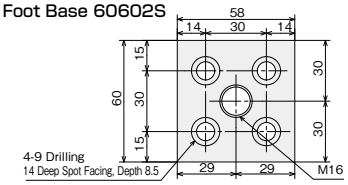
| Name | Foot Base 3060 〈Foot Base 3060(Stainless)〉 | Foot Base 3090 〈Foot Base 3090(Stainless)〉 |
|---|---|---|
| Item No. | ★SFK-56A(★SFK-56AS) | ★SFK-52A(★SFK-52AS) |



Environment
★RoHS Compliant
★Green Procurement



### Foot Base 60602S

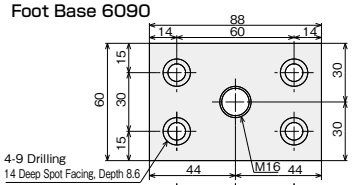



〈Material〉

| | |
|---|---|
| Foot Base 60602S | SS400 Uni-Chrome Plating Hexagon Socket Bolt(M8×20)Include 4 Weight/257g |
| Foot Base 60602S (Stainless) | SUS304 Hexagon Socket Bolt (M8×20) Include 4 Stainless Bolts Weight/259g |

■Usable Frame
SF-60·60·2S(or 1F)

### Foot Base 6090




〈Material〉

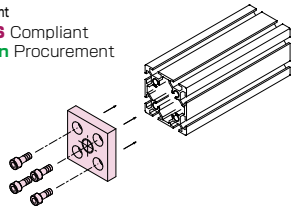
| | |
|---|---|
| Foot Base 6090 | SS400 Uni-Chrome plating Hexagon Socket Bolt(M8×20)Include4 Weight/427g |
| Foot Base 6090 (Stainless) | SUS304 Hexagon Socket Bolt (M8×20) Include4 Stainless Bolts Weight/431g |

■Usable Frame
SF-60·90

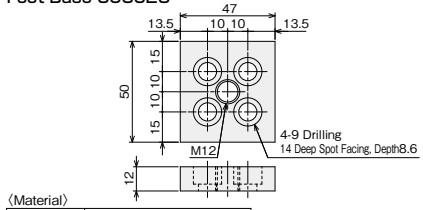
| Name | Foot Base 60602S 〈Foot Base 60602S(Stainless)〉 | Foot Base 6090 〈Foot Base 6090(Stainless)〉 |
|---|---|---|
| Item No. | ★SFK-58A(★SFK-58AS) | ★SFK-53A(★SFK-53AS) |



Environment
★RoHS Compliant
★Green Procurement



### Foot Base 50502S

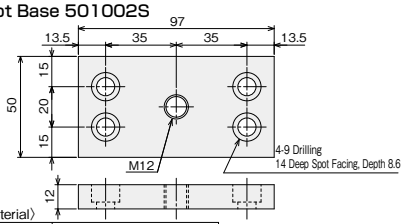



〈Material〉

| | |
|---|---|
| Foot Base 50502S | SS400 Uni-Chrome Plating Hexagon Socket Bolt(M8×20)Include 4 Weight/164g |
| Foot Base 50502S (Stainless) | SUS304 Hexagon Socket Bolt (M8×20) Include 4 Stainless Bolts Weight/165g |

■Usable Frame
SF-50·50·2S

### Foot Base 501002S




〈Material〉

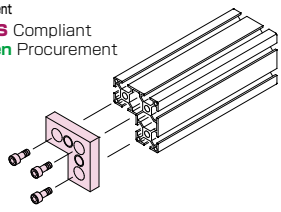
| | |
|---|---|
| Foot Base 501002S | SS400 Uni-chrome Plating Hexagon Socket Bolt (M8×20)Include4 Weight/400g |
| Foot Base 501002S (Stainless) | SUS304 Hexagon Socket Bolt (M8×20) Include4 Stainless Bolts Weight/404g |

■Usable Frame
SF-50·100·2S

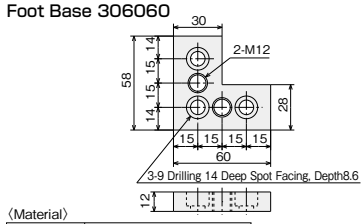
| Name | Foot Base 50502S 〈Foot Base 50502S(Stainless)〉 | Foot Base 501002S 〈Foot Base 501002S(Stainless)〉 |
|---|---|---|
| Item No. | ★SFK-68A(★SFK-68AS) | ★SFK-69A(★SFK-69AS) |



Environment
★RoHS Compliant
★Green Procurement



### Foot Base 306060

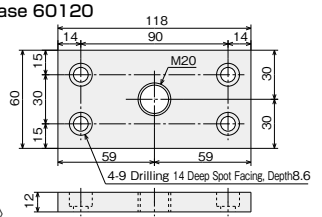



〈Material〉

| | |
|---|---|
| Foot Base 306060 | SS400 Uni-Chrome Plating Hexagon Bolt with Hole(M8×20)Include 3 Weight/181g |
| Foot Base 306060 (Stainless) | SUS304 Hexagon Bolt with Hole (M8×20) Include 3 Stainless Bolts Weight/182g |

■Usable Frame
SF-30·60·60

### Foot Base 60120




〈Material〉

| | |
|---|---|
| Foot Base 60120 | SS400 Uni-Chrome Plating Hexagon Socket Bolt(M8×20)Include 4 Weight/578g |
| Foot Base 60120 (Stainless) | SUS304 Hexagon Socket Bolt (M8×20) Include 4 Stainless Bolts Weight/83g |

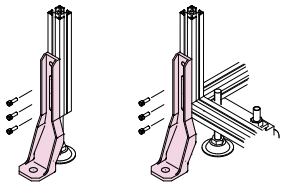
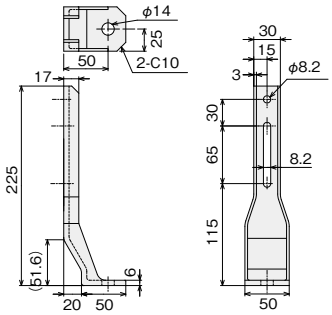
■Usable Frame
SF-60·120

| Name | Foot Base 306060 〈Foot Base 306060(Stainless)〉 | Foot Base 60120 〈Foot Base 60120(Stainless)〉 |
|---|---|---|
| Item No. | ★SFK-63A(★SFK-63AS) | ★SFK-64A(★SFK-64AS) |

Parts How to order
Item No.
SFK-56A
Quantity (pcs)
□□

# Anchor Bracket

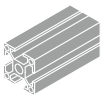



| Name(Single Item) | Anchor Bracket<br>〈Anchor Bracket(Electroless nickel plating)〉 |
|---|---|
| Item No. | SFJ-70A〈SFJ-70AS〉 |

| Name(Bolt and Nut Kit) | Anchor Kit S<br>〈Anchor Kit S(Electroless nickel plating)〉 |
|---|---|
| Item No. | SFK-70A〈SFK-70AS〉 |

■Usable Frame



Compatible to all SF30 series
(Groove Width 8mm)
※2F Frame excluded

■Kit Contents

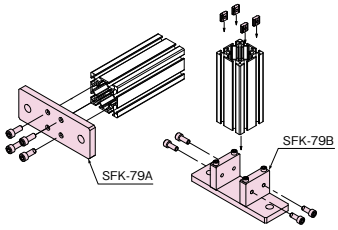
- Anchor Bracket×1
- T Nut S(M6)×3
- Hexagon Socket Bolt (M6×14)×3
- M6 Flat Washer×3

※Bolt and Nut in (Electroless nickel) Kit are stainless.

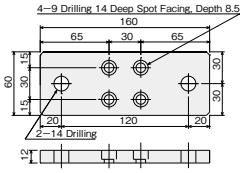
■Material/Technical Data

| | Anchor Bracket | Anchor Bracket (Electroless nickel plating) |
|---|---|---|
| Material | S45C<br>Anion Electrodeposition Coating | S45C<br>Electroless nickel plating |
| Weight | 577g | 577g |
| Environment | RoHS Compliant<br>Green Procurement | |

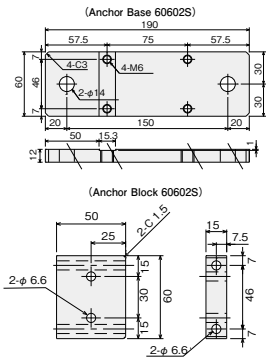
# Anchor Plate 60602S / Anchor Plate Bracket 60602S Kit


Anchor Plate 60602S




Anchor Plate Bracket 60602S Kit




| Name(Single Item) | Anchor Plate 60602S |
|---|---|
| Item No. | SFK-79A |

| Name(Bolt and Nut Kit) | Anchor Plate Bracket 60602S Kit |
|---|---|
| Item No. | SFK-79B |

■Usable Frame



SF-60·60·2S

■Kit Contents

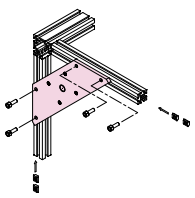
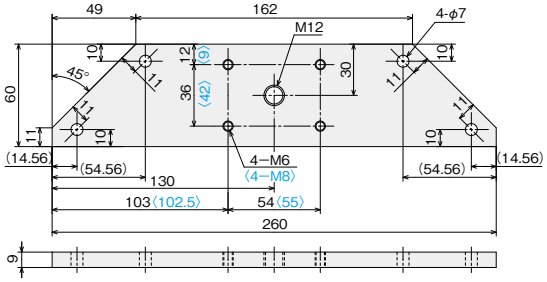
- Anchor Base 60602S×1
- Anchor Block 60602S×2
- Hexagon Socket Bolt (M6×60)Stainless×4
- Hexagon Socket Bolt (M6×22)Stainless×4
- ST Nut S(M6)×4
- Anti-Sliding Cap S

■Material/Technical Data

| | Anchor Plate 60602S※ | Anchor Plate Bracket 60602S Kit |
|---|---|---|
| Material | SUS304 | SUS304(Base)<br>A6063 Alumite Treatment(Anchor Block) |
| Weight | 890g | 1328g |
| Environment | RoHS Compliant<br>Green Procurement | |

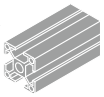
※Hexagon Socket Bolt (M8×25) Stainless 4

# Caster Plate S


| Name | Caster Plate S<br>〈Caster Plate S(Stainless)〉 |
|---|---|
| Item No. | ★SFJ-7A2〈★SFJ-7A2S〉 |

■Usable Frame



Compatible to all SF30 series
(Groove Width 8mm)

■How to use

- Adjuster M12
- Caster A
- Caster B
- Commercial Hanging Bolt, etc

■Material/Technical Data

| | Caster Plate S | Caster Plate S(Stainless) |
|---|---|---|
| Material | SS400<br>Uni-Chrome Plating | SUS304 |
| Weight | 900g | 909g |
| Environment | ★RoHS Compliant<br>★Green Procurement | |

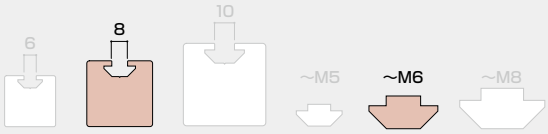
We sell Nut Material and Bracket Material as well.

T Nut S Material P62

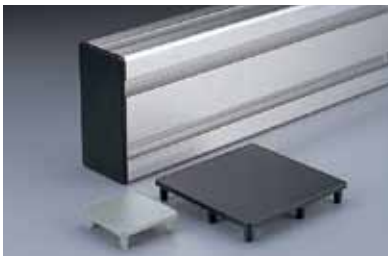
●Hard Bracket S Material
●Angle Bracket S Material


Material Frame

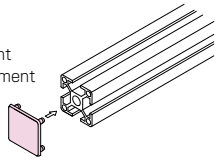
# SF30 SERIES



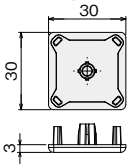

## Frame Cap



Material Polyamide
Weight Refer Drawing
Environment **RoHS** Compliant
**Green** Procurement



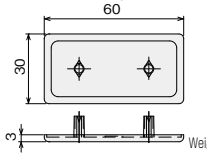
### Frame Cap N3030




Weight/2.4g

■Usable Frame
SF-30·30(or 1F/2F/3F/2H)
SF Light 30·30/SF-K·30·30

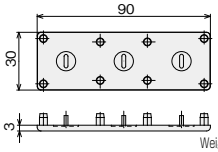
### Frame Cap 3060




Weight/4.7g

■Usable Frame
SF-30·60、SF-30·60·1F、
SF-K·30·60※SF-30·120

### Frame Cap 3090



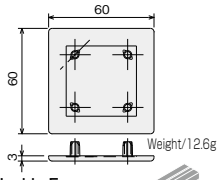

Weight/9.5g

■Usable Frame
SF-30·90

| Name | Frame Cap 3030 (Black) | Frame Cap 3030 (Light Gray) | Frame Cap 3060 (Black) | Frame Cap 3060 (Light Gray) | Frame Cap 3090 (Black) | Frame Cap 3090 (Light Gray) |
|---|---|---|---|---|---|---|
| Item No. | SFA-033B | SFA-033G | SFA-005 | SFA-005G | SFA-013 | SFA-013G |

※Use 2 pcs for SF-30·120.

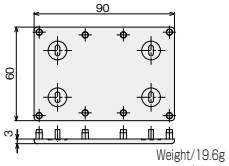
### Frame Cap 60602S




Weight/12.6g

■Usable Frame
SF-60·60(or 1F/2F)

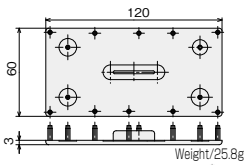
### Frame Cap 6090




Weight/19.6g

■Usable Frame
SF-60·90

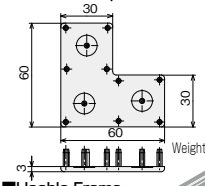
### Frame Cap 60120




Weight/25.8g

■Usable Frame
SF-60·120

### Frame Cap 306060

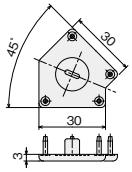



Weight/10.0g

■Usable Frame
SF-30·60·60

| Name | Frame Cap 60602S (Black) | Frame Cap 60602S (Light Gray) | Frame Cap 6090 (Black) | Frame Cap 6090 (Light Gray) | Frame Cap 60120 (Black) | Frame Cap 60120 (Light Gray) | Frame Cap 306060 (Black) | Frame Cap 306060 (Light Gray) |
|---|---|---|---|---|---|---|---|---|
| Item No. | SFA-011 | SFA-011G | SFA-015 | SFA-015G | SFA-018 | SFA-018G | SFA-J9B | SFA-J9BG |

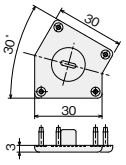
### Frame Cap 30·DE45




Weight/3.2g

■Usable Frame
SF-30·DE45

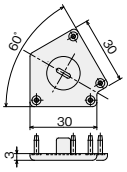
### Frame Cap 30·DE30




Weight/3.2g

■Usable Frame
SF-30·DE30

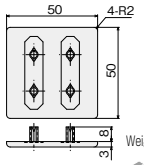
### Frame Cap 30·DE60




Weight/3.2g

■Usable Frame
SF-30·DE60

### Frame Cap 5050



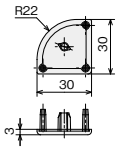

Weight/8.0g

■Usable Frame
SF-50·50·2S※SF-50·100·2S

| Name | Frame Cap 30·DE45 (Black) | Frame Cap 30·DE45 (Light Gray) | Frame Cap 30·DE30 (Black) | Frame Cap 30·DE30 (Light Gray) | Frame Cap 30·DE60 (Black) | Frame Cap 30·DE60 (Light Gray) | Frame Cap 5050 (Black) | Frame Cap 5050 (Light Gray) |
|---|---|---|---|---|---|---|---|---|
| Item No. | SFA-J6B | SFA-J6BG | SFA-J6A | SFA-J6AG | SFA-J6C | SFA-J6CG | SFA-026 | SFA-026G |

※Use 2 pcs for SF-50·100.

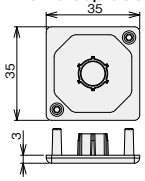
### Frame Cap 30·30·R




Weight/2.4g

■Usable Frame
SF-30·30·R

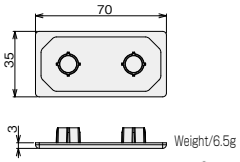
### Frame Cap 3535




Weight/3.6g

■Usable Frame
SF-35·35(or 1F/2F/2H)

### Frame Cap 3570




Weight/6.5g

■Usable Frame
SF-35·70(or 1F/2F)

| Name | Frame Cap 30·30·R (Black) | Frame Cap 30·30·R (Light Gray) | Frame Cap 3535 (Black) | Frame Cap 3535 (Light Gray) | Frame Cap 3570 (Black) | Frame Cap 3570 (Light Gray) |
|---|---|---|---|---|---|---|
| Item No. | SFA-020 | SFA-020G | SFA-031 | SFA-031G | SFA-032 | SFA-032G |

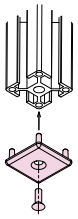
### Parts How to order

Example of order

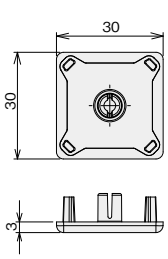
Item No. SFA-001 Quantity (pcs) □□

## Frame Cap Lock Type

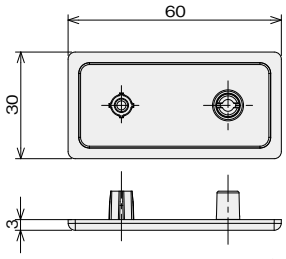




※Provided bolt enabled to lock without Tap Processing to Frame.




■Usable Frame
SF-30·30/SF-K·30·30




■Usable Frame
SF-30·60/SF-K·30·60

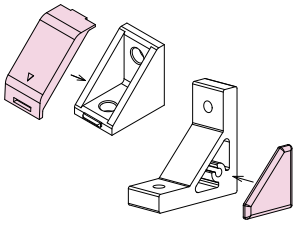
Material Polyamide(Cap)、SWCH10R(Bolt)、Chromate Black Treatment or Stainless(Bolt)
Weight 3.7g(3030)、5.9g(3060)
Environment **RoHS** Compliant
**Green** Procurement

| Name | Frame Cap Lock Type 3030(Black)※1 | Frame Cap Lock Type 3030(Light Gray)※2 | Frame Cap Lock Type 3060(Black)※3 | Frame Cap Lock Type 3060(Light Gray)※4 |
|---|---|---|---|---|
| Item No. | SFK-05LB | SFK-05LG | SFK-04L | SFK-04LG |

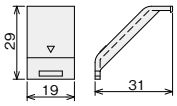
※1 With Small Flat Screw with Cross Hole (M4×12) Chromate Black ※2 With Small Flat Screw with Cross Hole (M4×12) Stainless ※3 With Small Flat Screw with Cross Hole (M4×12) Chromate Black ※4 With Small Flat Screw with Cross Hole (M4×12) Stainless

## D Bracket Cap S/Hard Bracket Cap/G Cap

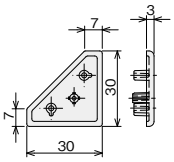




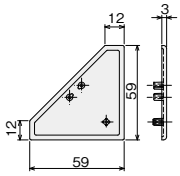
D Bracket Cap S




Hard Bracket Cap




Hard Bracket G Cap

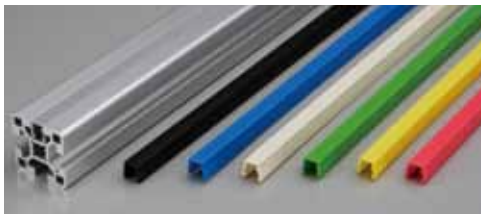



| Name | D Bracket Cap S (Black) | D Bracket Cap S (Light Gray) | Hard Bracket Cap (Black) | Hard Bracket Cap (Light Gray) | Hard Bracket G Cap (Black) | Hard Bracket G Cap (Light Gray) |
|---|---|---|---|---|---|---|
| Item No. | SFA-J13 | SFA-J13G | SFA-J11 | SFA-J11G | SFA-J12 | SFA-J12G |

■Usable Bracket
〈D Bracket Cap〉
D Bracket S/Black/CN
〈Hard Bracket Cap〉
Hard Bracket S/S3060
S3090/Black
〈Hard Bracket G Cap〉
Hard Bracket SG/SG3060
SG3090/Black

■Material/Technical Data
Material Polyamide
Weight 2.1g(D Bracket Cap S)
1.8g(Hard Bracket Cap)
6.1g(Hard Bracket G Cap)
Environment **RoHS** Compliant
**Green** Procurement

## Slot Cap S / Slot Seal S

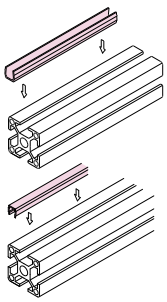




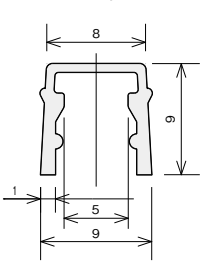
| Name | Slot Cap S(ℓ=2000mm/pcs) (Black) | (Light Gray) | (Blue) | (Ivory) | (Green) | (Yellow) | (Red) |
|---|---|---|---|---|---|---|---|
| Item No. | SFA-104 | SFA-104G | SFA-104L | SFA-104V | SFA-104M | SFA-104Y | SFA-104R |

| Name | Slot Seal S(ℓ=5000mm/pcs) |
|---|---|
| Item No. | SFA-171 |

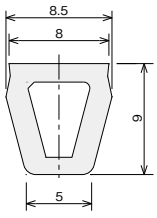
Slot Cap S



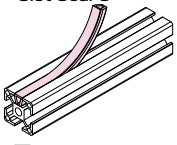
Slot Cap S



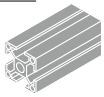

Slot Seal S




Slot Seal S



・Exclusive Cutter for Slot Cap and Slot Seal is available.



■Usable Frame
Compatible to all SF30 series
(Groove Width 8mm)

■Material/Technical Data

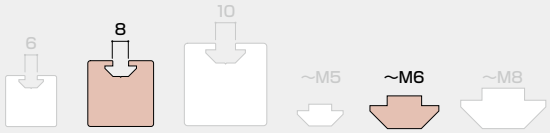
| | Slot Cap S | Slot Seal S |
|---|---|---|
| Material | Polyethylene | Elastomer |
| unit mass | 25g/m | 45g/m |

Environment **RoHS** Compliant
**Green** Procurement

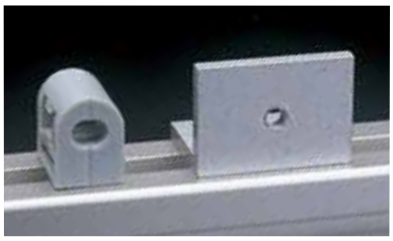
We sell Nut Material and Bracket Material as well.
T Nut S Material P62
●Hard Bracket S Material
●Angle Bracket S Material

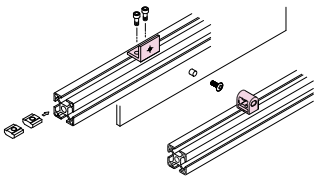


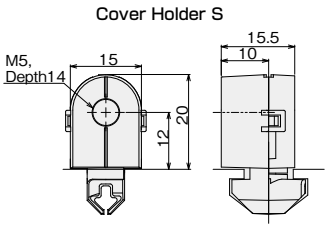
# SF30 SERIES

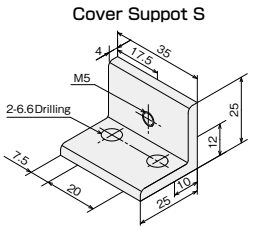



## Cover Holder S／Cover Suppot S





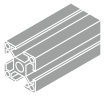



| Name(Single Item) | Cover Holder S | Cover Suppot S |
|---|---|---|
| Item No. | ★SFA-KH6 | ★SFJ-K02 |

| Name(Bolt and Nut Kit) | Cover Suppot S Kit (Cover Suppot S(Stainless)Kit) |
|---|---|
| Item No. | ★SFK-K02 (★SFK-K02S) |

■Usable Frame



Compatible to all SF30 series (Groove Width 8mm)

■Kit contents

- Cover Suppot S×1
- Hexagon Socket Bolt(M6×12)×2
- T Nut S(M6)×2
- Truss Screw(M5×10)×1

※Bolt and Nut in (Stainless) Kit are stainless.

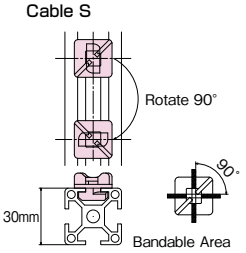
■Material/Technical Data

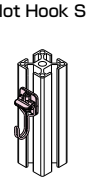
| | Cover Holder S※ | Cover Suppot S |
|---|---|---|
| Material | Polyamide | Aluminium Alloy Alumite Treatment (Special order:Black Alumite is also available.) |
| Weight | 6g | 17g |
| Environment | RoHS Compliant<br>Green Procurement | |

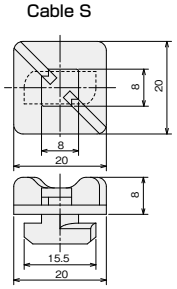
※With M5 nut

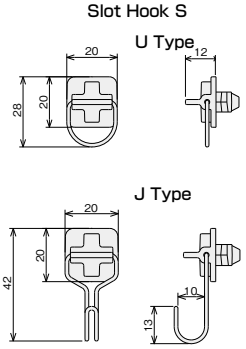
## Cable Clamp S／Slot Hook S (U)・(J)






| Name | Cable S(50pcs/pack) (Black) | (Light Gray) |
|---|---|---|
| Item No. | C1P-B04C | C1P-004C |

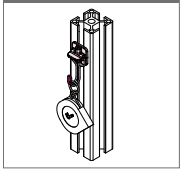
| Name | Slot Hook S (U Type) | (J Type) |
|---|---|---|
| Item No. | SFK-K32U | SFK-K32J |

■Usable Frame



Compatible to all SF30 series (Groove Width 8mm)

How to use Slot Hook

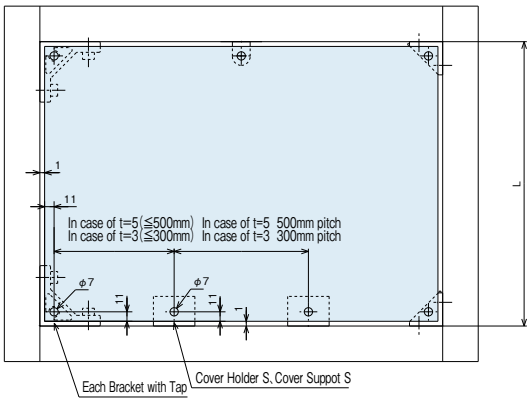


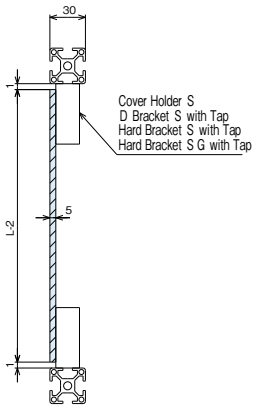
■Material/Technical Data

| | Cable S | Slot HookS |
|---|---|---|
| Material | Polyamide | Polyamide(Body) Stainless(Hook) |
| Weight | 2g/piece | 3g(U Type)·4g(J Type)/Load capacity1.5kg |
| Environment | RoHS Compliant<br>Green Procurement | |

## How to fix Cover

〈Indication of Cover Holder S,Cover Suppot S,Resin Plate Size〉




If the cover thickness is 5mm, Frame and Cover surfaces become flat.

〈Resin plate〉



GO ●Various Resin plates are available. Refer P182～.

〈Door accessories〉



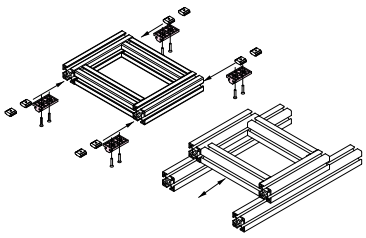
GO ●Various parts for doors are available. Refer P140～.

Example of order

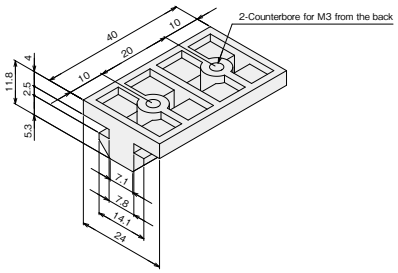
**Parts**
How to order
Item No. Quantity (pcs)
SFK-K96 □□

## Slider S



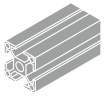


Slider S




| Name | Slider S |
|---|---|
| Item No. | SFA-510 |

■Usable Frame



Compatible to all SF30 series (Groove Width 8mm)

■Material/Technical Data

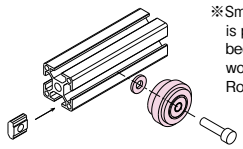
Material Polyacetal (Gray)
Weight 9g
Environment **RoHS** Compliant
**Green** Procurement

■Recommendation Bolt and Nut Installation List

| Name | Installation Frame | Recommendation Bolt | Recommendation Nut | Appropriate Tightening Torque(N·m) |
|---|---|---|---|---|
| Slider S | SF30 series | Hexagon Socket Flat Head Cap Screw(M3×20) | T Nut S(M3) | 0.7 |

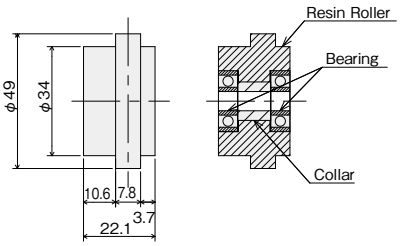
## Slot Roller S



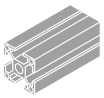


※Smooth operation is possible because cutting work is done with Roller.

Slot Roller S




■Usable Frame



Compatible to all SF30 series (Groove Width 8mm)

■Material/Technical Data

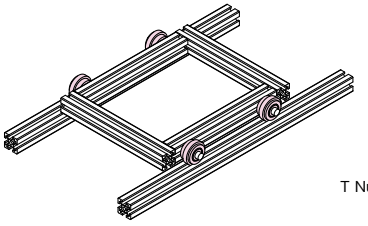
Material Nylon 6(Resin Roller)
S45C(Collar)
Steel(Bearing)
Weight 45g
Environment **RoHS** Compliant
**Green** Procurement

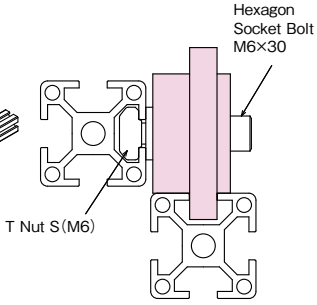
| Name | Slot Roller S |
|---|---|
| Item No. | SFK-806 |

※Installation bolt size M6
※Appropriate Tightening Torque 9.0N·m
※With 2 Bearings, Collar and Flat Washer.

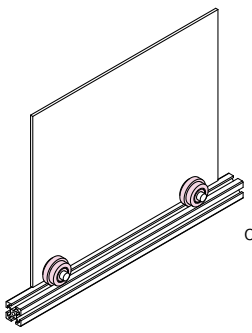
### How to use Slot Roller

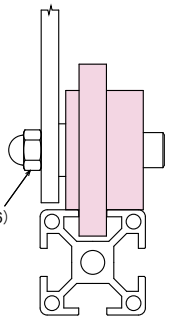
〈To frame's movable part〉






〈As door roller〉






We sell Nut Material and Bracket Material as well.
T Nut S Material P62
●Hard Bracket S Material
●Angle Bracket S Material

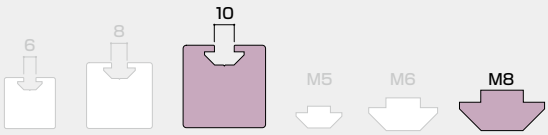




STANDARD FRAME

# SF40·45 SERIES

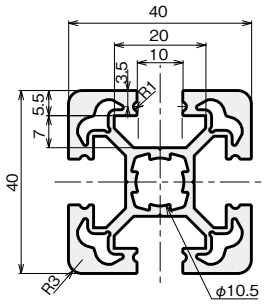
# SF40・45 SERIES




## SF2-40・40

Asia






| Name | SF2-40・40 (ℓ=4000) | SF2-40・40 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-422-T | SFF-424-T |

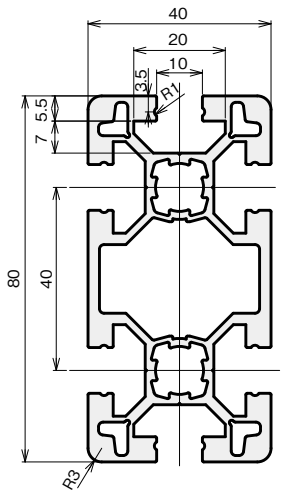
■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy |
| | Alumite Treatment |
| Environment | **RoHS** Compliant |
| | **Green** Procurement |
| Geometrical Moment of Inertia | Ix=10.54×10⁴mm⁴ |
| | Iy=10.54×10⁴mm⁴ |
| Section Modulus | Zx=5.27×10³mm³ |
| | Zy=5.27×10³mm³ |
| Unit Mass | 1.61kg/m |

## SF2-40・80

Asia






| Name | SF2-40・80 (ℓ=4000) | SF2-40・80 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-432-T | SFF-434-T |

■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy |
| | Alumite Treatment |
| Environment | **RoHS** Compliant |
| | **Green** Procurement |
| Geometrical Moment of Inertia | Ix=72.40×10⁴mm⁴ |
| | Iy=19.92×10⁴mm⁴ |
| Section Modulus | Zx=18.10×10³mm³ |
| | Zy=9.96×10³mm³ |
| Unit Mass | 2.8kg/m |

Example of order

**SF Frame**
Standard (ℓ=4000) (Cut by customer)
Item No.
**SFF-422-T**

In case of specifying the length (Cut by SUS) ※Order by 0.1mm unit
Quantity (pcs) □□ Item No. **SFF-424-T** Length (mm) ℓ=800

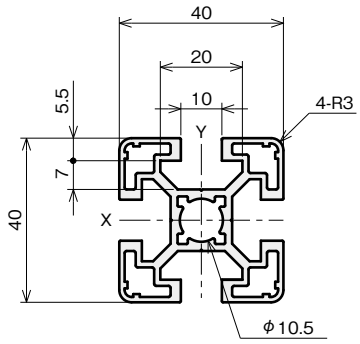
## SF-K・40・40

Asia



■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | RoHS Compliant<br>Green Procurement |
| Geometrical Moment of Inertia | Ix=7.5×10⁴mm⁴<br>Iy=7.5×10⁴mm⁴ |
| Section Modulus | Zx=3.7×10³mm³<br>Zy=3.7×10³mm³ |
| Unit Mass | 1.33kg/m |




| Name | SF-K・40・40 (ℓ=4000) | SF-K・40・40 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-C02-T | SFF-C04-T |

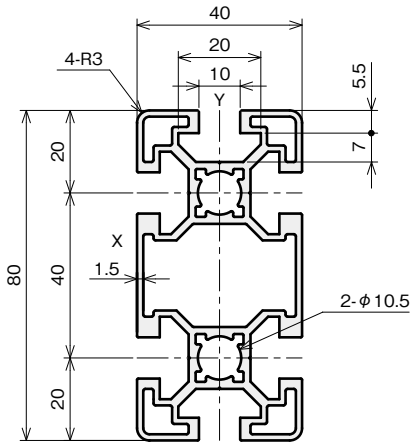
## SF-K・40・80

Asia



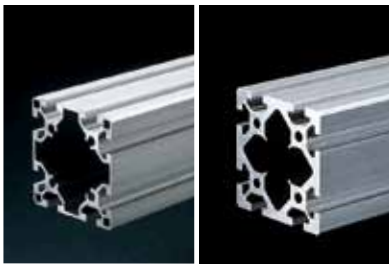
■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | RoHS Compliant<br>Green Procurement |
| Geometrical Moment of Inertia | Ix=55.3×10⁴mm⁴<br>Iy=14.4×10⁴mm⁴ |
| Section Modulus | Zx=13.8×10³mm³<br>Zy=7.2×10³mm³ |
| Unit Mass | 2.31kg/m |




| Name | SF-K・40・80 (ℓ=4000) | SF-K・40・80 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-C482-T | SFF-C484-T |

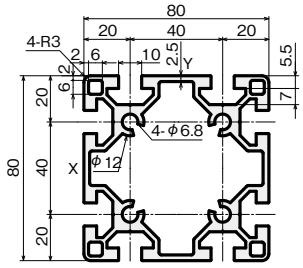
## SF-80・80 / SF-80・80・H



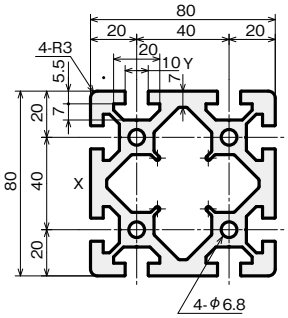
■Material/Technical Data

| | | |
|---|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment | |
| Environment | RoHS Compliant Green Procurement | |
| | SF-80・80 | SF-80・80・H |
| Geometrical Moment of Inertia | Ix=129.84×10⁴mm⁴<br>Iy=129.84×10⁴mm⁴ | Ix=182.5×10⁴mm⁴<br>Iy=182.5×10⁴mm⁴ |
| Section Modulus | Zx=32.46×10³mm³<br>Zy=32.46×10³mm³ | Zx=45.6×10³mm³<br>Zy=45.6×10³mm³ |
| Unit Mass | 4.57kg/m | 7.13kg/m |

SF-80・80



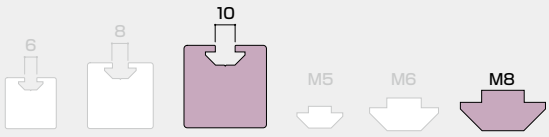

SF-80・80・H




| Name | SF-80・80 (ℓ=4000) | SF-80・80 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-802 | SFF-804 |

| Name | SF-80・80・H(ℓ=4000) | SF-80・80・H ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-H82 | SFF-H84 |

# SF40•45 SERIES




## SF-40•160 / SF-80•160

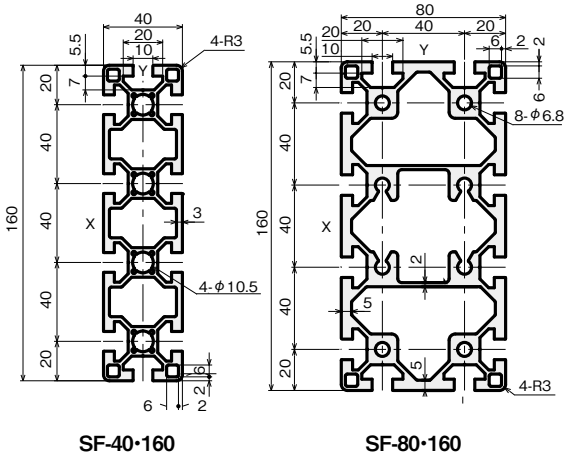


■Material/Technical Data

| | | |
|---|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment | |
| Environment | **RoHS** Compliant<br>**Green** Procurement | |
| | SF-40•160 | SF-80•160 |
| Geometrical Moment of Inertia | Ix=498.8×10⁴mm⁴<br>Iy=38.5×10⁴mm⁴ | Ix=1000.9×10⁴mm⁴<br>Iy=295.3×10⁴mm⁴ |
| Section Modulus | Zx=62.3×10³mm³<br>Zy=19.2×10³mm³ | Zx=125.1×10³mm³<br>Zy=73.8×10³mm³ |
| Unit Mass | 5.54kg/m | 10.51kg/m |

| Name | SF-40•160 (ℓ=4000) | SF-40•160 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-4162 | SFF-4164 |

| Name | SF-80•160 (ℓ=4000) | SF-80•160 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-812 | SFF-814 |




SF-40•160 SF-80•160

## SF-60•60•1S

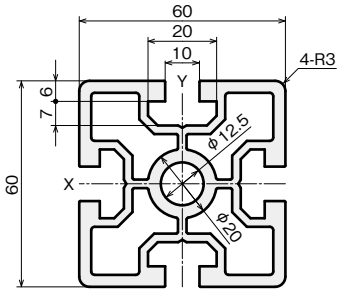
Asia



■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | **RoHS** Compliant<br>**Green** Procurement |
| Geometrical Moment of Inertia | Ix=49.27×10⁴mm⁴<br>Iy=49.27×10⁴mm⁴ |
| Section Modulus | Zx=16.42×10³mm³<br>Zy=16.42×10³mm³ |
| Unit Mass | 3.72kg/m |

| Name | SF-60•60•1S (ℓ=4000) | SF-60•60•1S ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-602-T | SFF-604-T |




## SF-80•80•1S

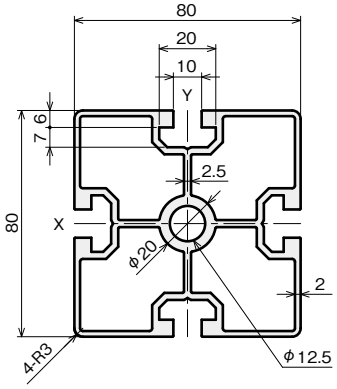
Asia



■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | **RoHS** Compliant<br>**Green** Procurement |
| Geometrical Moment of Inertia | Ix=90.46×10⁴mm⁴<br>Iy=90.46×10⁴mm⁴ |
| Section Modulus | Zx=22.62×10³mm³<br>Zy=22.62×10³mm³ |
| Unit Mass | 3.94kg/m |

| Name | SF-80•80•1S (ℓ=4000) | SF-80•80•1S ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-822-T | SFF-824-T |






Example of order

**SF Frame**
Standard (ℓ=4000) (Cut by customer)
Item No.
**SFF-4162**

In case of specifying the length (Cut by SUS) ※Order by 0.1mm unit
Quantity (pcs) □□ Item No. **SFF-4164** Length (mm) ℓ=800

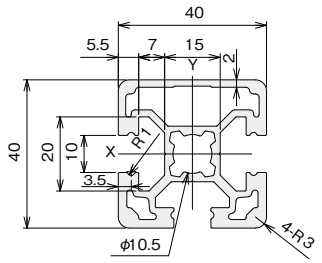
## SF2-40・40・1F

Asia



■Material/Technical Data

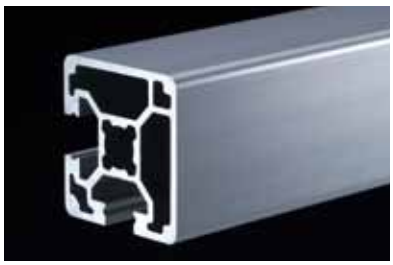
| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | RoHS Compliant<br>Green Procurement |
| Geometrical Moment of Inertia | Ix=9.7×10⁴mm⁴<br>Iy=9.99×10⁴mm⁴ |
| Section Modulus | Zx=4.58×10³mm³<br>Zy=5.00×10³mm³ |
| Unit Mass | 1.53kg/m |




| Name | SF2-40・40・1F (ℓ=4000) | SF2-40・40・1F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-E12-T | SFF-E14-T |

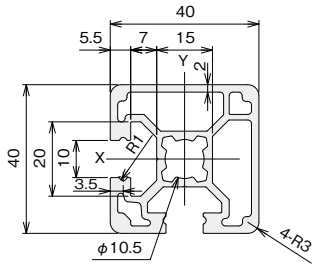
## SF2-40・40・2F

Asia



■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | RoHS Compliant<br>Green Procurement |
| Geometrical Moment of Inertia | Ix=9.72×10⁴mm⁴<br>Iy=9.72×10⁴mm⁴ |
| Section Modulus | Zx=4.81×10³mm³<br>Zy=4.81×10³mm³ |
| Unit Mass | 1.49kg/m |




| Name | SF2-40・40・2F (ℓ=4000) | SF2-40・40・2F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-F12-T | SFF-F14-T |

## SF2-40・40・3F / SF2-40・40・2H

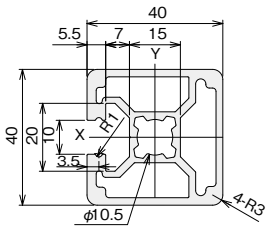
Asia



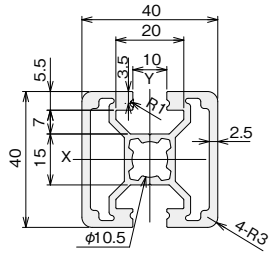
■Material/Technical Data

| | | |
|---|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment | |
| Environment | RoHS Compliant<br>Green Procurement | |
| | SF2-40・40・3F | SF2-40・40・2H |
| Geometrical Moment of Inertia | Ix=10.1×10⁴mm⁴<br>Iy=10.52×10⁴mm⁴ | Ix=10.15×10⁴mm⁴<br>Iy=10.55×10⁴mm⁴ |
| Section Modulus | Zx=5.00×10³mm³<br>Zy=5.26×10³mm³ | Zx=5.08×10³mm³<br>Zy=5.28×10³mm³ |
| Unit Mass | 1.55kg/m | 1.57kg/m |

SF-40・40・3F




SF-40・40・2H



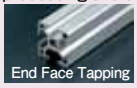

| Name | SF2-40・40・3F (ℓ=4000) | SF2-40・40・3F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-FF12-T | SFF-FF14-T |

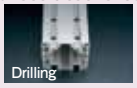
| Name | SF2-40・40・2H(ℓ=4000) | SF2-40・40・2H ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-FH12-T | SFF-FH14-T |

●Exclusive Nut T Nut L, After Nut L, Lock Nut L, Free Nut L P98~

●Exclusive Cap Frame Cap P122・123

●Additional processing and surface treatment are also available.

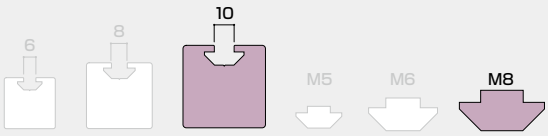

End Face Tapping


Drilling


Slant Cut

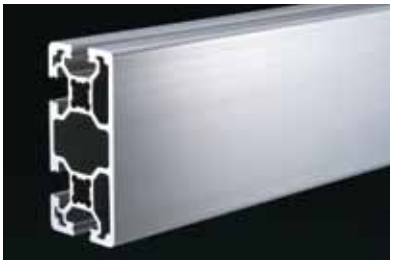
P206~

# SF40•45 SERIES

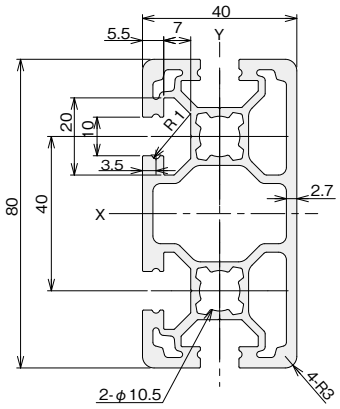



## SF2-40•80•1F

Asia



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=71.00×10⁴mm⁴
Iy=20.35×10⁴mm⁴
Section Modulus ..... Zx=17.75×10³mm³
Zy=10.16×10³mm³
Unit Mass ..... 2.82kg/m

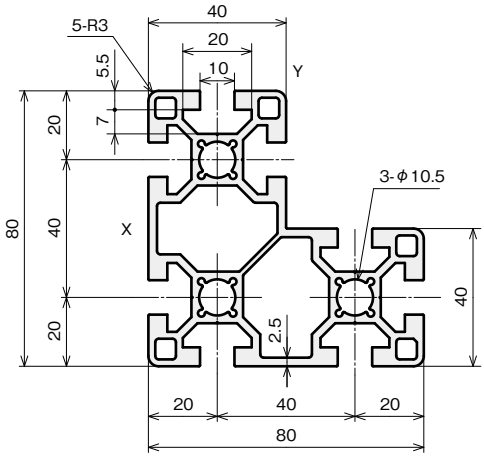



| Name | SF2-40•80•1F (ℓ=4000) | SF2-40•80•1F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-4E82-T | SFF-4E84-T |

## SF-40•80•80

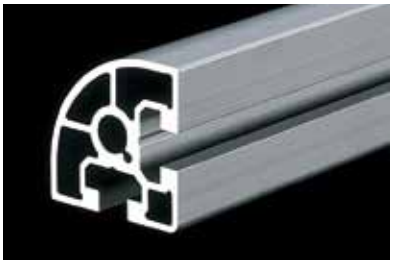


■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=94.15×10⁴mm⁴
Iy=94.15×10⁴mm⁴
Section Modulus ..... Zx=20.53×10³mm³
Zy=20.53×10³mm³
Unit Mass ..... 4.19kg/m

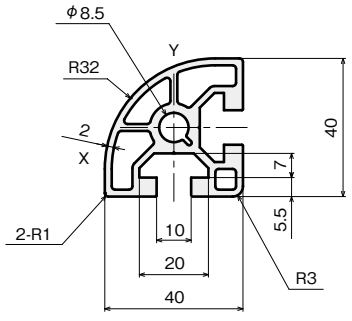



| Name | SF-40•80•80 (ℓ=4000) | SF-40•80•80 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-G22 | SFF-G24 |

## SF-40•40•R



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... x=7.82×10⁴mm⁴
Iy=7.82×10⁴mm⁴
Section Modulus ..... Zx=3.53×10³mm³
Zy=3.53×10³mm³
Unit Mass ..... 1.53kg/m




| Name | SF-40•40•R (ℓ=4000) | SF-40•40•R ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-R72 | SFF-R74 |

Example of order

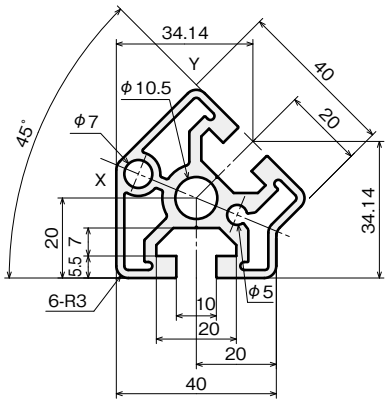
**SF Frame**
Standard (ℓ=4000) (Cut by customer)
Item No.
**SFF-4E82-T**

In case of specifying the length (Cut by SUS) ※Order by 0.1mm unit
Quantity (pcs) □□ Item No. **SFF-4E84-T** Length (mm) ℓ=800

## SF-40·DE45



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=9.87×10⁴mm⁴
Iy=10.37×10⁴mm⁴
Section Modulus ..... Zx=3.59×10³mm³
Zy=3.99×10³mm³
Unit Mass ..... 1.83kg/m

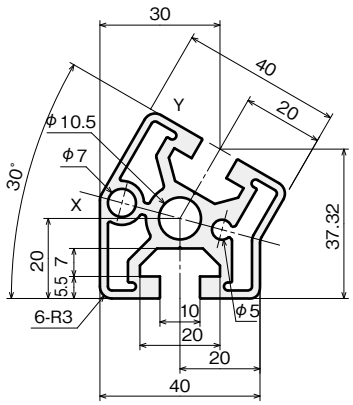



| Name | SF-40·DE45 (ℓ=4000) | SF-40·DE45 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-J72B | SFF-J74B |

## SF-40·DE30



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=9.89×10⁴mm⁴
Iy=10.64×10⁴mm⁴
Section Modulus ..... Zx=3.73×10³mm³
Zy=4.20×10³mm³
Unit Mass ..... 1.88kg/m

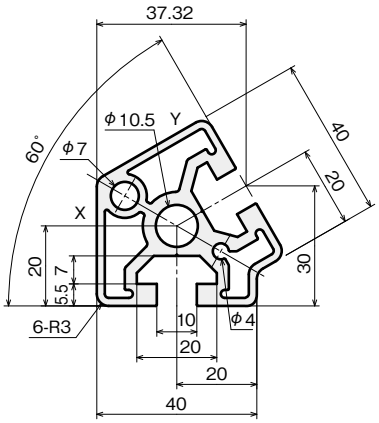



| Name | SF-40·DE30 (ℓ=4000) | SF-40·DE30 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-J72A | SFF-J74A |

## SF-40·DE60



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=9.99×10⁴mm⁴
Iy=10.53×10⁴mm⁴
Section Modulus ..... Zx=3.74×10³mm³
Zy=4.14×10³mm³
Unit Mass ..... 1.84kg/m



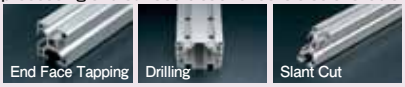

| Name | SF-40·DE60 (ℓ=4000) | SF-40·DE60 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-J72C | SFF-J74C |

●Exclusive Nut

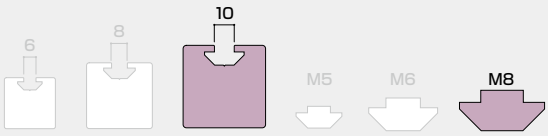
T Nut L
After Nut L
Lock Nut L
Free Nut L
P98~

●Exclusive Cap

Frame Cap
P122·123

●Additional processing and surface treatment are also available.

End Face Tapping | Drilling | Slant Cut
P206~

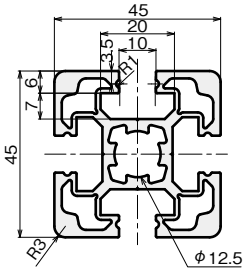
# SF40•45 SERIES




## SF2-45•45

Asia





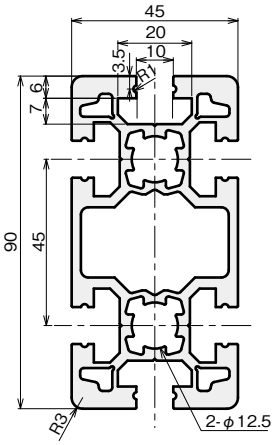

| Name | SF2-45•45 (ℓ=4000) | SF2-45•45 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-442-T | SFF-444-T |

■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=15.28×10⁴mm⁴
Iy=15.28×10⁴mm⁴
Section Modulus ..... Zx=6.79×10³mm³
Zy=6.79×10³mm³
Unit Mass ..... 1.92kg/m

## SF2-45•90

Asia






| Name | SF2-45•90 (ℓ=4000) | SF2-45•90 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-472-T | SFF-474-T |

■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=129.24×10⁴mm⁴
Iy=33.32×10⁴mm⁴
Section Modulus ..... Zx=28.72×10³mm³
Zy=14.81×10³mm³
Unit Mass ..... 3.87kg/m

Example of order

**SF Frame**
Standard (ℓ=4000) (Cut by customer)
Item No.
**SFF-442-T**

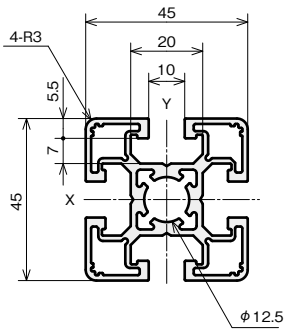
In case of specifying the length (Cut by SUS) ※Order by 0.1mm unit
Quantity (pcs) □□ Item No. **SFF-444-T** Length (mm) ℓ=800

## SF-K·45·45

Asia



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=11.73×10⁴mm⁴
Iy=11.73×10⁴mm⁴
Section Modulus ..... Zx=5.21×10³mm³
Zy=5.21×10³mm³
Unit Mass ..... 1.70kg/m



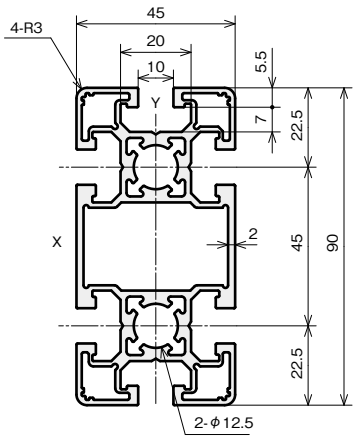

| Name | SF-K·45·45 (ℓ=4000) | SF-K·45·45 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-B02-T | SFF-B04-T |

## SF-K·45·90

Asia



■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=87.16×10⁴mm⁴
Iy=22.87×10⁴mm⁴
Section Modulus ..... Zx=19.37×10³mm³
Zy=10.16×10³mm³
Unit Mass ..... 2.98kg/m




| Name | SF-K·45·90 (ℓ=4000) | SF-K·45·90 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-B492-T | SFF-B494-T |

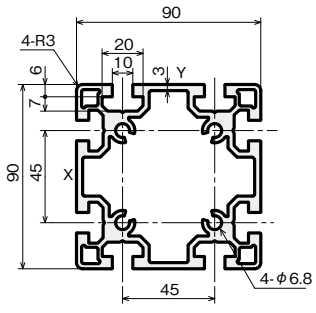
## SF-90·90 / SF-90·90·H



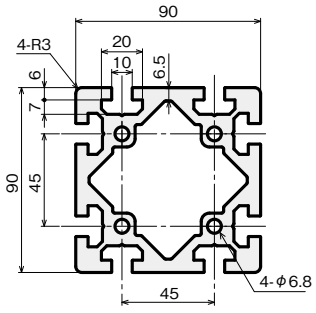


■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement

| | SF-90·90 | SF-90·90·H |
|---|---|---|
| Geometrical Moment of Inertia | Ix=209.2×10⁴mm⁴ Iy=209.2×10⁴mm⁴ | Ix=303.40×10⁴mm⁴ Iy=303.40×10⁴mm⁴ |
| Section Modulus | Zx=46.5×10³mm³ Zy=46.5×10³mm³ | Zx=67.42×10³mm³ Zy=67.42×10³mm³ |
| Unit Mass | 5.8kg/m | 8.83kg/m |




SF-90·90




SF-90·90·H

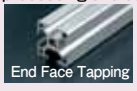
| Name | SF-90·90 (ℓ=4000) | SF-90·90 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-902 | SFF-904 |

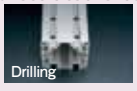
| Name | SF-90·90·H (ℓ=4000) | SF-90·90·H ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-H92 | SFF-H94 |

●Exclusive Nut T Nut L
After Nut L
Lock Nut L
Free Nut L
P98~

●Exclusive Cap
Frame Cap
P122·123

●Additional processing and surface treatment are also available.

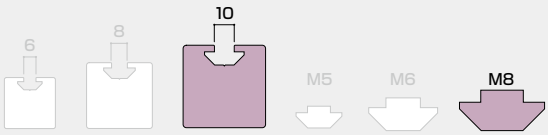

End Face Tapping


Drilling


Slant Cut

P206~

# SF40•45 SERIES



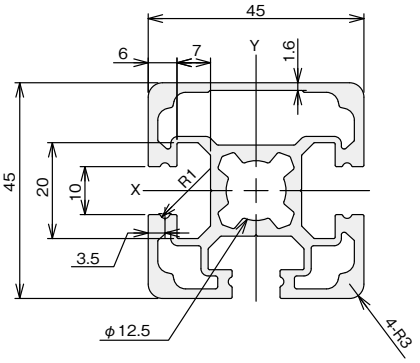

## SF2-45•45•1F

Asia



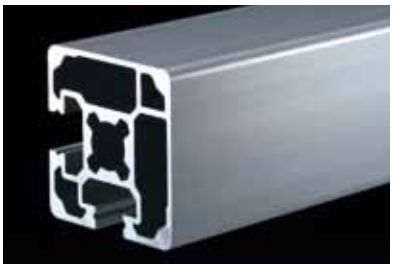
■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=13.94×10⁴mm⁴
Iy=14.71×10⁴mm⁴
Section Modulus ..... Zx=5.97×10³mm³
Zy=6.53×10³mm³
Unit Mass ..... 1.83kg/m

| Name | SF2-45•45•1F (ℓ=4000) | SF2-45•45•1F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-4J2-T | SFF-4J4-T |



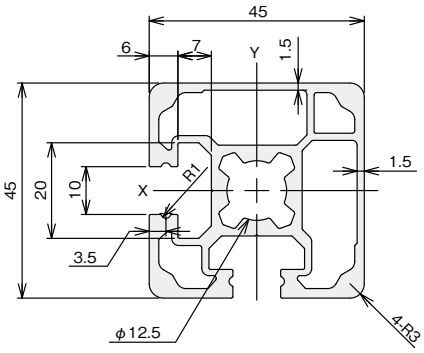

## SF2-45•45•2F

Asia



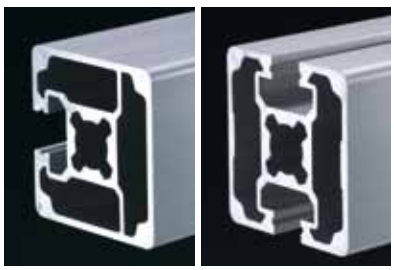
■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement
Geometrical Moment of Inertia ..... Ix=14.14×10⁴mm⁴
Iy=14.14×10⁴mm⁴
Section Modulus ..... Zx=6.15×10³mm³
Zy=6.15×10³mm³
Unit Mass ..... 1.78kg/m

| Name | SF2-45•45•2F (ℓ=4000) | SF2-45•45•2F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-4K2-T | SFF-4K4-T |




## SF2-45•45•3F / SF2-45•45•2H

Asia

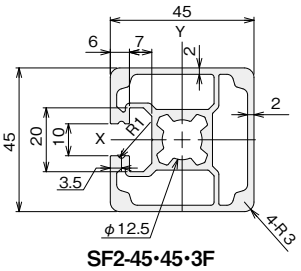


■Material/Technical Data
Material ..... Aluminium Alloy
Alumite Treatment
Environment ..... RoHS Compliant
Green Procurement

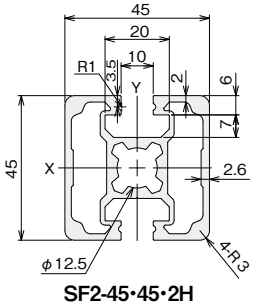
| | SF2-45•45•3F | SF2-45•45•2H |
|---|---|---|
| Geometrical Moment of Inertia | Ix=14.91×10⁴mm⁴ | Ix=14.55×10⁴mm⁴ |
| | Iy=15.09×10⁴mm⁴ | Iy=14.73×10⁴mm⁴ |
| Section Modulus | Zx=6.54×10³mm³ | Zx=6.47×10³mm³ |
| | Zy=6.71×10³mm³ | Zy=6.55×10³mm³ |
| Unit Mass | 1.83kg/m | 1.83kg/m |

| Name | SF2-45•45•3F (ℓ=4000) | SF2-45•45•3F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-4L2-T | SFF-4L4-T |

| Name | SF2-45•45•2H (ℓ=4000) | SF2-45•45•2H ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-4M2-T | SFF-4M4-T |




SF2-45•45•3F




SF2-45•45•2H



Example of order

SF Frame
Standard (ℓ=4000) (Cut by customer)
Item No.
SFF-4J2-T

In case of specifying the length (Cut by SUS) ※Order by 0.1mm unit
Quantity (pcs) □□ Item No. SFF-4J4-T Length (mm) ℓ=800

## SF-K・45・45・1F / SF-K・45・45・2F



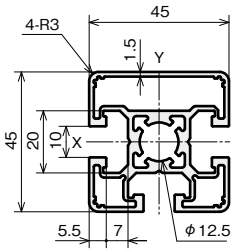


■Material/Technical Data

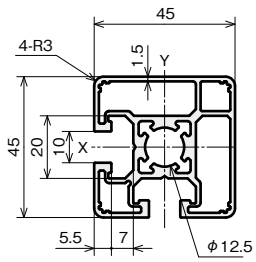
| | | |
|---|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment | |
| Environment | RoHS Compliant<br>Green Procurement | |
| Geometrical Moment of Inertia | SF-K・45・45・1F<br>Ix=10.88×10⁴mm⁴<br>Iy=11.33×10⁴mm⁴ | SF-K・45・45・2F<br>Ix=11.13×10⁴mm⁴<br>Iy=11.13×10⁴mm⁴ |
| Section Modulus | Zx=5.04×10³mm³<br>Zy=5.03×10³mm³ | Zx=4.99×10³mm³<br>Zy=4.91×10³mm³ |
| Unit Mass | 1.60kg/m | 1.58kg/m |

| Name | SF-K・45・45・1F (ℓ=4000) | SF-K・45・45・1F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-BE02 | SFF-BE04 |

| Name | SF-K・45・45・2F (ℓ=4000) | SF-K・45・45・2F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-BF02 | SFF-BF04 |



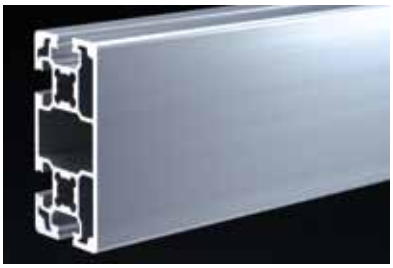

SF-K・45・45・1F




SF-K・45・45・2F

## SF2-45・90・1F

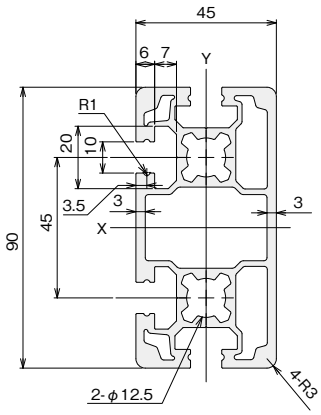
Asia



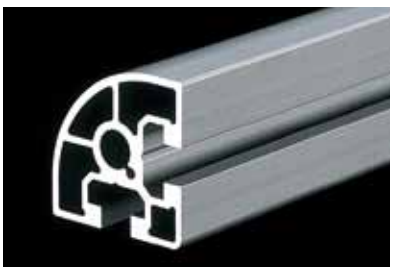
■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | RoHS Compliant<br>Green Procurement |
| Geometrical Moment of Inertia | Ix=117.53×10⁴mm⁴<br>Iy=32.08×10⁴mm⁴ |
| Section Modulus | Zx=26.12×10³mm³<br>Zy=14.07×10³mm³ |
| Unit Mass | 3.61kg/m |

| Name | SF2-45・90・1F (ℓ=4000) | SF2-45・90・1F ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-EF2-T | SFF-EF4-T |



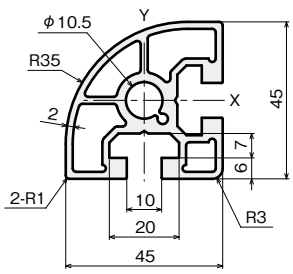

## SF-45・45・R



■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | RoHS Compliant<br>Green Procurement |
| Geometrical Moment of Inertia | Ix=11.33×10⁴mm⁴<br>Iy=11.33×10⁴mm⁴ |
| Section Modulus | Zx=4.52×10³mm³<br>Zy=4.52×10³mm³ |
| Unit Mass | 1.79kg/m |

| Name | SF-45・45・R(ℓ=4000) | SF-45・45・R ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-R82 | SFF-R84 |



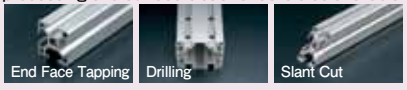

●Exclusive Nut

T Nut L
After Nut L
Lock Nut L
Free Nut L
P98~

●Exclusive Cap

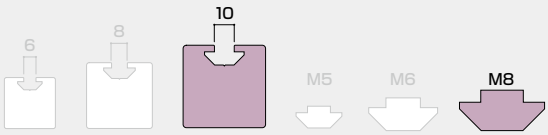
Frame Cap
P122・123

●Additional processing and surface treatment are also available.




P206~

# SF40•45 SERIES




## SF-45•180 / SF-90•180

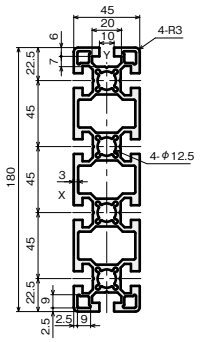


■Material/Technical Data

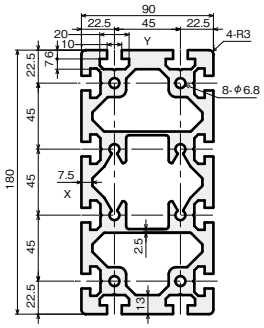
| | | |
|---|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment | |
| Environment | RoHS Compliant<br>Green Procurement | |
| | SF-45•180 | SF-90•180 |
| Geometrical Moment of Inertia | Ix=804.81×10⁴mm⁴<br>Iy=60.75×10⁴mm⁴ | Ix=2136.6×10⁴mm⁴<br>Iy=598.51×10⁴mm⁴ |
| Section Modulus | Zx=89.42×10³mm³<br>Zy=27×10³mm³ | Zx=237.4×10³mm³<br>Zy=133×10³mm³ |
| Unit Mass | 7.12kg/m | 17.07kg/m |

| Name | SF-45•180 (ℓ=4000) | SF-45•180 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-4182 | SFF-4184 |

| Name | SF-90•180 (ℓ=4000) | SF-90•180 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-912 | SFF-914 |

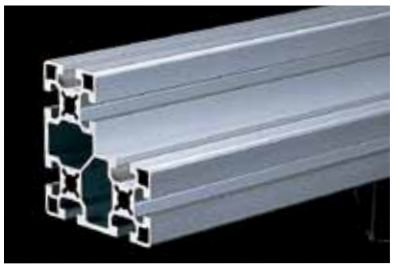



SF-45•180




SF-90•180

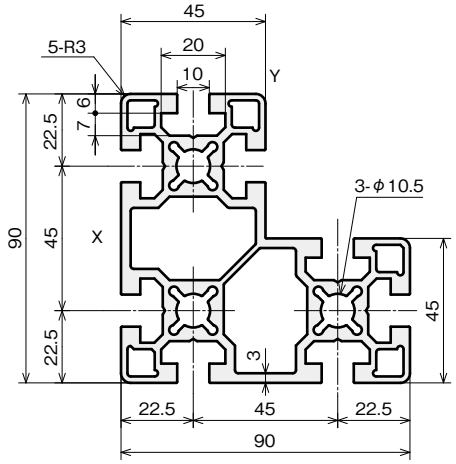
## SF-45•90•90



■Material/Technical Data

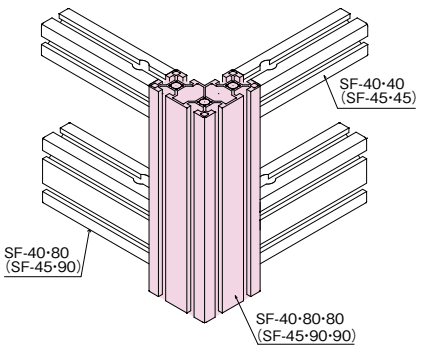
| | | |
|---|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment | |
| Environment | RoHS Compliant<br>Green Procurement | |
| Geometrical Moment of Inertia | Ix=149.53×10⁴mm⁴<br>Iy=149.53×10⁴mm⁴ | |
| Section Modulus | Zx=28.83×10³mm³<br>Zy=28.83×10³mm³ | |
| Unit Mass | 5.55kg/m | |

| Name | SF-45•90•90 (ℓ=4000) | SF-45•90•90 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-G32 | SFF-G34 |



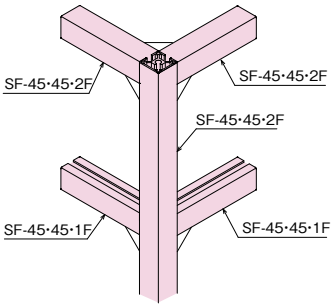

## How to use Frame

〈SF-40•80•80〉
〈SF-45•90•90〉



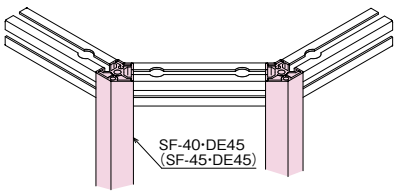

●As the reinforcing Frame at corner, or to ensure space inside

〈SF-45•45•1F〉
〈SF-45•45•2F〉




●For the clean environment without groove on Frame externally

〈SF-40•DE30〉〈SF-45•DE30〉
〈SF-40•DE45〉〈SF-45•DE45〉
〈SF-40•DE60〉〈SF-45•DE60〉




●Many variations to construct angles other than 90°

Example of order

**SF Frame**
Standard (ℓ=4000) (Cut by customer)
Item No.
**SFF-4182**

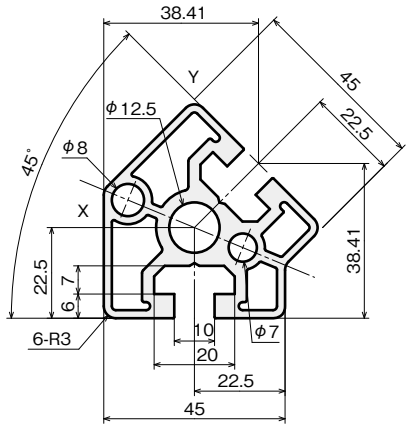
In case of specifying the length (Cut by SUS) ※Order by 0.1mm unit
Quantity (pcs) □□ Item No. **SFF-4184** Length (mm) ℓ=800

## SF-45・DE45



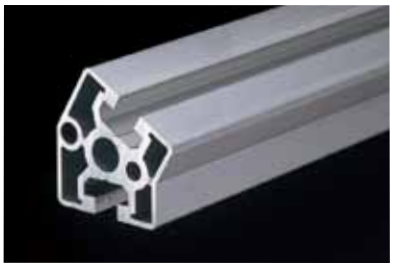
■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | **RoHS** Compliant<br>**Green** Procurement |
| Geometrical Moment of Inertia | Ix=14.78×10⁴㎜⁴<br>Iy=15.49×10⁴㎜⁴ |
| Section Modulus | Zx=4.72×10³㎜³<br>Zy=5.36×10³㎜³ |
| Unit Mass | 2.22kg/m |



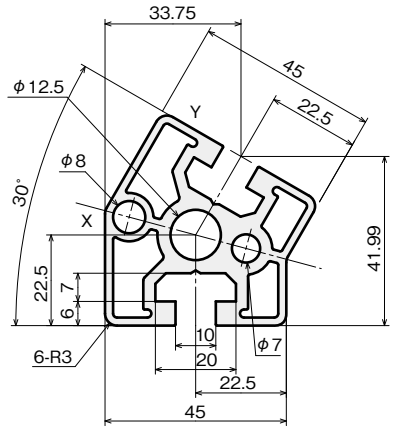

| Name | SF-45・DE45 (ℓ=4000) | SF-45・DE45 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-J82B | SFF-J84B |

## SF-45・DE30



■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | **RoHS** Compliant<br>**Green** Procurement |
| Geometrical Moment of Inertia | Ix=14.91×10⁴㎜⁴<br>Iy=15.95×10⁴㎜⁴ |
| Section Modulus | Zx=4.95×10³㎜³<br>Zy=5.70×10³㎜³ |
| Unit Mass | 2.30kg/m |



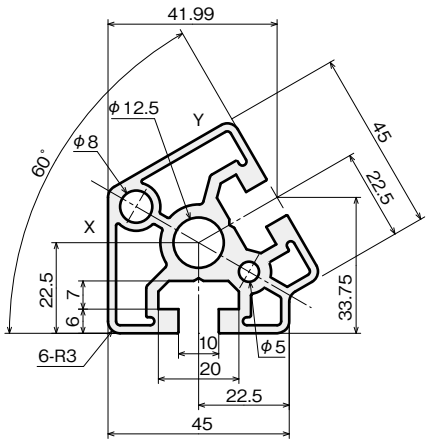

| Name | SF-45・DE30 (ℓ=4000) | SF-45・DE30 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-J82A | SFF-J84A |

## SF-45・DE60



■Material/Technical Data

| | |
|---|---|
| Material | Aluminium Alloy<br>Alumite Treatment |
| Environment | **RoHS** Compliant<br>**Green** Procurement |
| Geometrical Moment of Inertia | Ix=14.94×10⁴㎜⁴<br>Iy=15.93×10⁴㎜⁴ |
| Section Modulus | Zx=4.86×10³㎜³<br>Zy=5.78×10³㎜³ |
| Unit Mass | 2.26kg/m |



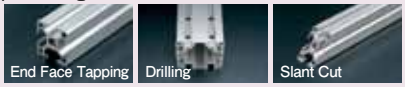

| Name | SF-45・DE60 (ℓ=4000) | SF-45・DE60 ℓ=50~4000 |
|---|---|---|
| Item No. | SFF-J82C | SFF-J84C |

●Exclusive Nut

T Nut L
After Nut L
Lock Nut L
Free Nut L
P98~

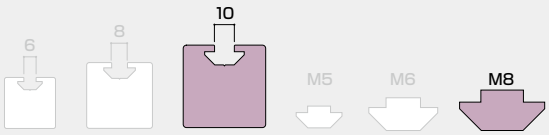
●Exclusive Cap

Frame Cap
P122・123

●Additional processing and surface treatment are also available.


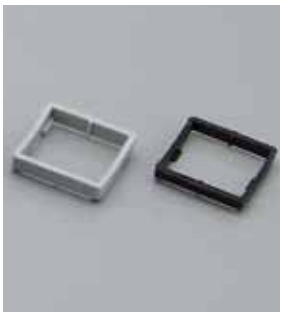
P206~

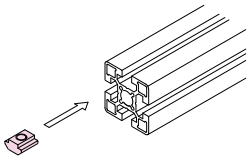
# SF40・45 SERIES



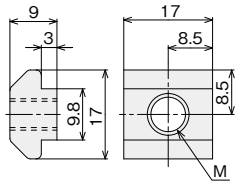

## T Nut L(M※) / Anti-Skid Cap L40 / L45



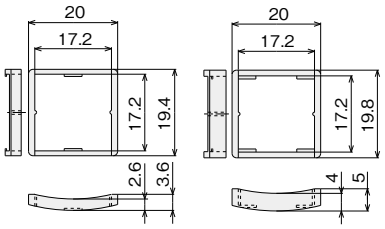




T Nut L(M※)



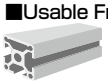

Anti-Skid Cap
(for T Nut L)




| Name | T Nut L(M8) ⟨ST Nut L(M8)⟩ | T Nut L(M6) ⟨ST Nut L(M6)⟩ | T Nut L(M5) ⟨ST Nut L(M5)⟩ | T Nut L(M4) ⟨ST Nut L(M4)⟩ |
|---|---|---|---|---|
| Item No. | SFB-004⟨SFN-TL8⟩ | SFB-003⟨SFN-TL6⟩ | SFB-008⟨SFN-TL5⟩ | SFB-007⟨SFN-TL4⟩ |

| Name | Anti-Skid Cap L40 (50pcs/pack) | Anti-Skid Cap L45 (50pcs/pack) |
|---|---|---|
| Item No. | SFA-907 | SFA-908 |

■Usable Frame



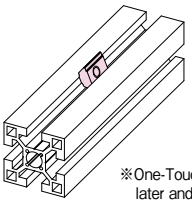
Compatible to all SF40 and 45 series
(Groove Width 10mm)

■Material/Technical Data

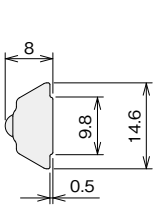
| | T Nut L | ST Nut L | Anti-Skid Cap |
|---|---|---|---|
| Material | Equivalent to S10C Uni-Chrome | Stainless With Conductive Function | Black Polyamide(L40) Gray Polyamide(L45) |
| Weight | 14g | 14g | 0.3g/piece(L40) 0.5g/piece(L45) |
| Environment | **RoHS** Compliant **Green** Procurement | | |

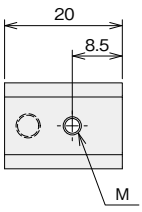
## Easy Nut L(M※)





※One-Touch to insert later and Anti-Skid as well.




| Name | Easy Nut L (M8) | Easy Nut L (M6) | Easy Nut L (M5) | Easy Nut L (M4) | Easy Nut L (M3) |
|---|---|---|---|---|---|
| Item No. | SFB-PN24 | SFB-PN23 | SFB-PN22 | SFB-PN21 | SFB-PN20 |

| Name | S Easy Nut L (M8) Stainless | S Easy Nut L (M6) Stainless | S Easy Nut L (M5) Stainless | S Easy Nut L (M4) Stainless | S Easy Nut L (M3) Stainless |
|---|---|---|---|---|---|
| Item No. | SFN-EL8 | SFN-EL6 | SFN-EL5 | SFN-EL4 | SFN-EL3 |

■Usable Frame



Compatible to all SF40 and 45 series
(Groove Width 10mm)

■Material/Technical Data

| | Easy Nut L | S Easy Nut L |
|---|---|---|
| Material | Equivalent to S10C Uni-Chrome plating | Stainless With Conductive |
| Weight | 10g/piece | |
| Environment | **RoHS** Compliant **Green** Procurement | |

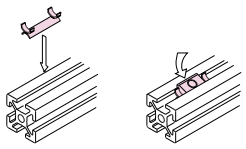


Example of order

**Parts**
How to order
Item No.
**SFB-004**
Quantity (pcs)
□□

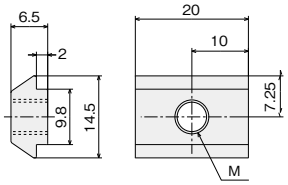
# After Nut L(M※) / After Nut Support L



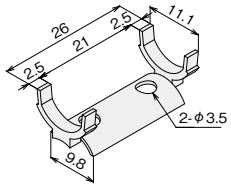


※Using After Nut Support together prevents from slipping.

After Nut L(M※)




After Nut Support L
(for After Nut and Lock Nut )




| Name | After Nut L(M8) 〈S After Nut L(M8)〉 | After Nut L(M6) 〈S After Nut L(M6)〉 | After Nut L(M5) 〈S After Nut L(M5)〉 | After Nut L(M4) 〈S After Nut L(M4)〉 |
|---|---|---|---|---|
| Item No. | SFB-628〈SFN-AL8〉 | SFB-626〈SFN-AL6〉 | SFB-625〈SFN-AL5〉 | SFB-624〈SFN-AL4〉 |

| Name | After Nut Support L(50pcs/pack) |
|---|---|
| Item No. | SFA-9A3 |

■Usable Frame



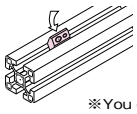
Compatible to all SF40 and 45 series
(Groove Width 10mm)

■Material/Technical Data

| | After Nut L | SAfter Nut L | After Nut Support L |
|---|---|---|---|
| Material | Equivalent to S10C Uni-Chrome | Stainless With Conductive Function | PP Resin |
| Weight | 10g | 10g | 0.3g/piece |
| Environment | RoHS Compliant | Green Procurement | |

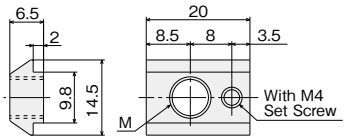
# Lock Nut L(M※)





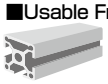
※You can fix nut and conduct electricity by tightening attached Set Screw.

Lock Nut L(M※)




| Name | Lock Nut L(M8) 〈S Lock Nut L(M8)〉 | Lock Nut L(M6) 〈S Lock Nut L(M6)〉 | Lock Nut L(M5) 〈S Lock Nut L(M5)〉 | Lock Nut L(M4) 〈S Lock Nut L(M4)〉 |
|---|---|---|---|---|
| Item No. | ★SFB-4A8〈★SFN-LL8〉 | ★SFB-4A6〈★SFN-LL6〉 | ★SFB-4A5〈★SFN-LL5〉 | ★SFB-4A4〈★SFN-LL4〉 |

■Usable Frame



Compatible to all SF40 and 45 series
(Groove Width 10mm)

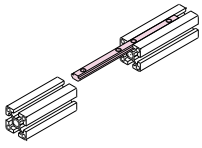
■Material/Technical Data

| | Lock Nut L | S Lock Nut L |
|---|---|---|
| Material | Equivalent to S10C Uni-Chrome | Stainless With Conductive Function |
| Weight | 10g | 10g |
| Environment | ★RoHS Compliant | ★Green Procurement |

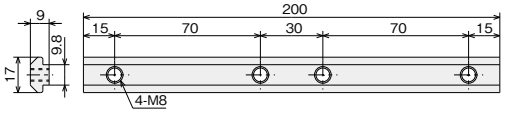
# Joint Bar L200 / T Nut L Material / After Nut L Material



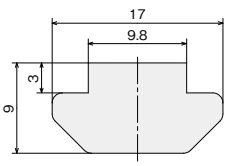




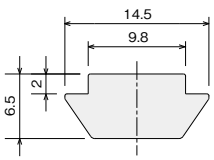
Joint Bar L200




T Nut L Material
〈ST Nut L Material〉




After Nut L Material
〈S After Nut L Material〉



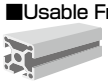

| Name(Single Item) | Joint Bar L200 | Name(With Set screw) | Joint Bar L200 Kit |
|---|---|---|---|
| Item No. | ★SFJ-607 | Item No. | ★SFK-607 |

| Name | T Nut L Material ℓ=(2800) 〈ST Nut L Material ℓ=(2800)〉 | T Nut L Material ℓ=450 〈ST Nut L Material ℓ=450〉 |
|---|---|---|
| Item No. | ★SFX-101〈★SFX-003〉 | ★SFX-121〈★SFX-S01〉 |

| Name | After Nut L Material ℓ=(2800) 〈S After Nut L Material ℓ=(2800)〉 | After Nut L Material ℓ=450 〈S After Nut L Material ℓ=450〉 |
|---|---|---|
| Item No. | ★SFX-102〈★SFX-008〉 | ★SFX-122〈★SFX-S08〉 |

・Note : T Nut material will be delivered without plating.

■Usable Frame



Compatible to all SF40 and 45 series
(Groove Width 10mm)

■Kit contents

●Joint Bar L200×1
●Set screw(M8×10) ×4

■Material/Technical Data

| | Joint Bar L200 | T Nut L Material After Nut L Material | ST Nut L Material S After Nut L Material |
|---|---|---|---|
| Material | Equivalent to S10C Uni-Chrome plating | Equivalent to S10C Not plating | SUS303 |
| Weight | 171g | 925g/m(T Nut L) 574g/m(After Nut L) | 940g/m(ST Nut L) 583g/m(S After Nut L) |
| Environment | ★RoHS Compliant | ★Green Procurement | |

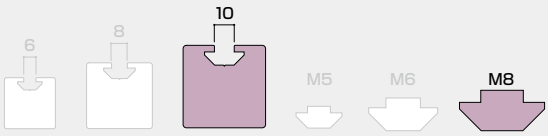
We sell Nut Material and Bracket Material as well.

T Nut L Material P99

●Hard Bracket L Material
●Angle Bracket L Material

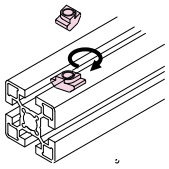


# SF40•45 SERIES

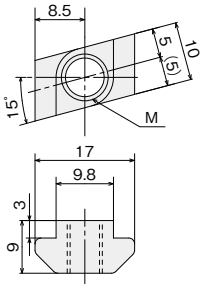



## S Free Nut L(M※)





S Free Nut L(M※)




| Name | S Free Nut L(M8) | S Free Nut L(M6) | S Free Nut L(M5) | S Free Nut L(M4) |
|---|---|---|---|---|
| Item No. | SFN-FL8 | SFN-FL6 | SFN-FL5 | SFN-FL4 |

■Usable Frame



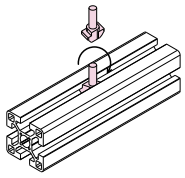
Compatible to all SF40 and 45 series (Groove Width 10mm)

■Material/Technical Data

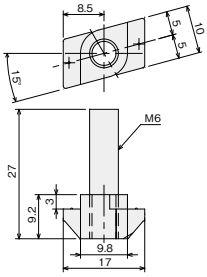
| | S Free Nut L |
|---|---|
| Material | Stainless With Conductive Function |
| Weight | 7g |
| Environment | RoHS Compliant Green Procurement |

## Free Nut with Headless Bolt L(M6) / Free Stud L(M5) / Free Nut Stopper L

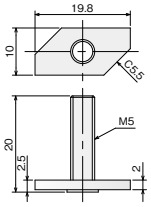




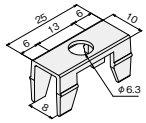
Free Nut with Headless Bolt L(M6)




Free Stud L(M5)




Free Nut Stopper L




Position can be fixed by inserting it to the groove onto Free Nut.

| Name | Free Nut with Headless Bolt L(M6) | Free Nut Stopper L |
|---|---|---|
| Item No. | ★SFN-NL6 | ★SFA-9F2 |

| Name | Free Stud L(M5) |
|---|---|
| Item No. | ★SFN-NLE1 |

■Usable Frame



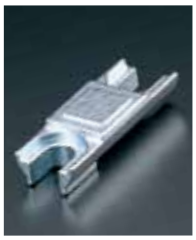
Compatible to all SF40 and 45 series (Groove Width 10mm)

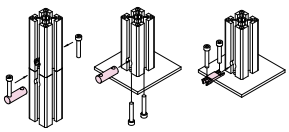
■Material/Technical Data

| | Free Nut with Headless Bolt L | Free Stud L | Free Nut Stopper L |
|---|---|---|---|
| Material | Stainless With Conductive Function | SPHC Uni-Chrome | Polyamide |
| Weight | 12g | 4.7g | 0.6g |
| Environment | ★RoHS Compliant | ★Green Procurement | |

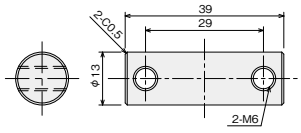
## Double Round Lock Nut L40/L45 / S Double Joint 40/45



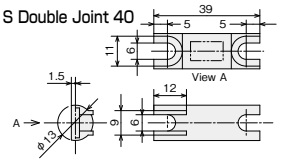




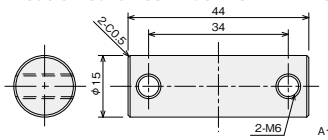
Double Round Lock Nut L40



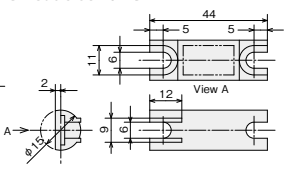

S Double Joint 40




Double Round Lock Nut L45



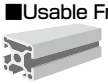

S Double Joint 45




| Name | Double Round Lock Nut L40 | Double Round Lock Nut L45 |
|---|---|---|
| Item No. | SFJ-251S | SFJ-252S |

| Name | S Double Joint 40 | S Double Joint 45 |
|---|---|---|
| Item No. | SFK-394S | SFK-392S |

■Usable Frame



SF-40·40, SF-40·80, SF-40·120, SF-45·45, SF-45·90, SF-45·180

■Material/Technical Data

| | Double Round Lock Nut L40/L45 | S Double Joint 40/45 |
|---|---|---|
| Material | SUS304 | SCS13(Stainless) |
| Weight | 36g(Double Round Lock Nut L40) 55g(Double Round Lock Nut L45) | 61g(S Double Joint 40) 73g(S Double Joint 45) |
| Environment | RoHS Compliant | Green Procurement |

Example of order

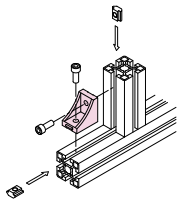
**Parts How to order**

Item No. **SFB-104**

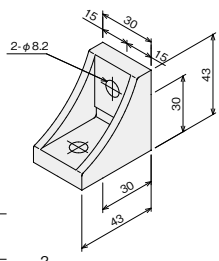
Quantity (pcs) □□

# D Bracket L

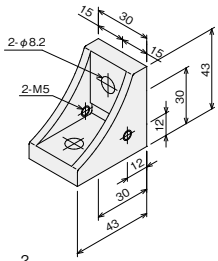


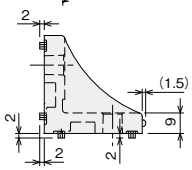


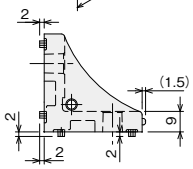
D Bracket L




D Bracket L with Tap




| Name(Single Item) | D Bracket L ⟨D Bracket L with Tap⟩ | D Bracket L-CN ⟨D Bracket L-CN with Tap⟩ |
|---|---|---|
| Item No. | ★SFJ-013⟨★SFJ-014⟩ | ★SFJ-013N⟨★SFJ-014N⟩ |

| Name(Bolt and Nut Kit) | D Bracket L Kit ⟨D Bracket L Kit with Tap⟩ | D Bracket L(Stainless)Kit ⟨D Bracket L with Tap (Stainless) Kit⟩ | D Bracket L-CN Kit ⟨D Bracket L-CN Kit with Tap⟩ |
|---|---|---|---|
| Item No. | ★SFK-013⟨★SFK-014⟩ | ★SFK-013S⟨★SFK-014S⟩ | ★SFK-013N⟨★SFK-014N⟩ |

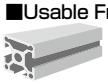
Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

●Cap P123

■Kit Contents
- ●D Bracket L⟨or with Tap⟩×1
- ●Hexagon Socket Bolt(M8×20)×2
- ●T Nut (M8)×2
- ※Bolt and Nut in CN (Stainless) Kit are stainless.

■Material/Technical Data
- Material: Aluminum Die-Cast (CN:Electroless Nickel Plating) With Anti-Skid Function
- Weight: 54g(D Bracket L) 53g(D Bracket L with Tap)
- Environment: ★RoHS Compliant ★Green Procurement

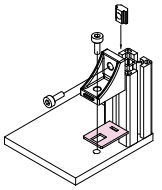
■Usable Frame



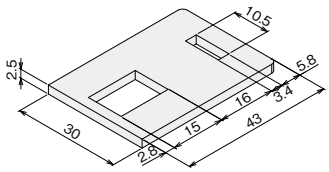
Compatible to all SF40 and 45 series (Groove Width 10mm)

# D Bracket Spacer L





●Setting to bottom of D Bracket enables to fix on a flat base.




| Name | D Bracket Spacer L |
|---|---|
| Item No. | SFJ-402S |

■Material/Technical Data
- Material: SUS304
- Weight: 22g
- Environment: RoHS Compliant Green Procurement

■Usable Frame

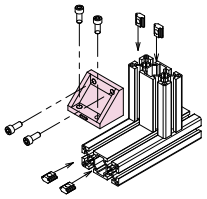


Compatible to all SF40 and 45 series (Groove Width 10mm)

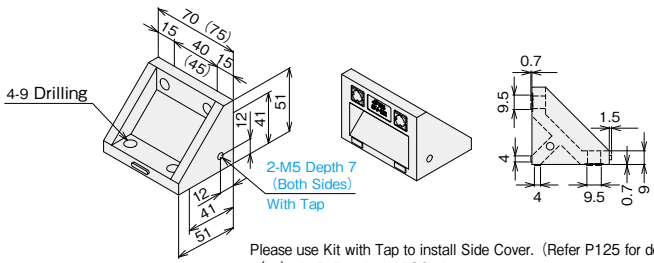
# D Bracket 4080 / 4590







D Bracket 4080／D Bracket 4590




Please use Kit with Tap to install Side Cover. (Refer P125 for details.)
( ) is D Bracket 4590 size.

| Name(Single Item) | D Bracket 4080 ⟨4080 with Tap⟩ | D Bracket 4080-CN ⟨4080-CN with Tap⟩ | D Bracket 4590 ⟨4590 with Tap⟩ | D Bracket 4590-CN ⟨4590-CN with Tap⟩ |
|---|---|---|---|---|
| Item No. | SFJ-022⟨SFJ-022T⟩ | SFJ-022N⟨SFJ-022C⟩ | SFJ-023⟨SFJ-023T⟩ | SFJ-023N⟨SFJ-023C⟩ |

| Name(Bolt and Nut Kit) | 4080 Kit ⟨4080 Kit with Tap⟩ | 4080-CN Kit ⟨4080-CN Kit with Tap⟩ | 4590 Kit ⟨4590 Kit with Tap⟩ | 4590-CN Kit ⟨4590-CN Kit with Tap⟩ |
|---|---|---|---|---|
| Item No. | SFK-022⟨SFK-022T⟩ | SFK-022N⟨SFK-022C⟩ | SFK-023⟨SFK-023T⟩ | SFK-023N⟨SFK-023C⟩ |

| Name(Bolt and Nut Kit) | D Bracket 4080(Stainless) Kit ⟨D Bracket 4080 with Tap (Stainless) Kit⟩ | D Bracket 4590(Stainless) Kit ⟨D Bracket 4590 with Tap (Stainless) Kit⟩ |
|---|---|---|
| Item No. | SFK-022S⟨SFK-022P⟩ | SFK-023S⟨SFK-023P⟩ |

■Usable Frame



SF-40·80/1F, SF-80·80/H
SF-45·90/1F, SF-90·90/H

■Kit Contents

⟨D Bracket 4080 Kit⟩
- ●D Bracket 4080⟨or with Tap⟩×1
- ●Hexagon Socket Bolt (M8×20)×4
- ●T Nut L(M8)×4

⟨D Bracket 4590 Kit⟩
- ●D Bracket 4590⟨or with Tap⟩×1
- ●Hexagon Socket Bolt (M8×20)×4
- ●T Nut L(M8)×4
- ※Bolt and Nut in CN (Stainless) Kit are stainless.

■Material/Technical Data

| | D Bracket 4080 | D Bracket 4590 |
|---|---|---|
| Material | Aluminum Die-Cast(ADC-12) (CN:Electroless Nickel Plating) With Anti-Skid Function | Aluminum Die-Cast(ADC-12) (CN:Electroless Nickel Plating) With Anti-Skid Function |
| Weight | 170g | 180g |

Environment: RoHS Compliant Green Procurement

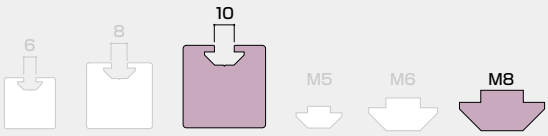
We sell Nut Material and Bracket Material as well.

T Nut L Material P99

●Hard Bracket L Material
●Angle Bracket L Material

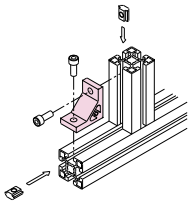


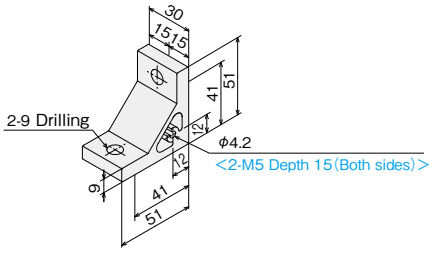
# SF40・45 SERIES




## Hard Bracket L





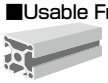



Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

| Name(Single Item) | Hard Bracket L ⟨Hard Bracket L with Tap⟩ |
|---|---|
| Item No. | ★SFJ-N05⟨★SFJ-N05T⟩ |

| Name(Bolt and Nut Kit) | Hard Bracket L Kit ⟨Hard Bracket L Kit with Tap⟩ | Hard Bracket L(Stainless)Kit ⟨Hard Bracket L with Tap (Stainless) Kit⟩ |
|---|---|---|
| Item No. | ★SFK-N05⟨★SFK-N05T⟩ | ★SFK-N05S⟨★SFK-N05P⟩ |

■Usable Frame



Compatible to all SF40 and 45 series (Groove Width 10mm)

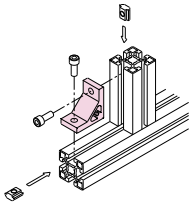
■Kit Contents
- ●Hard Bracket L⟨or with Tap⟩×1
- ●Hexagon Socket Bolt (M8×20)×2
- ●T Nut L(M8)×2

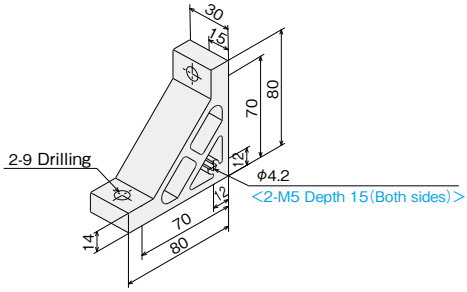
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
- Material Aluminium Alloy
  Alumite Treatment
  Perpendicular surface is machining finished.
- Weight 66g
- Environment ★RoHS Compliant
  ★Green Procurement

## Hard Bracket LG








Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

| NamAe(Single Item) | Hard Bracket L ⟨Hard Bracket LG with Tap⟩ |
|---|---|
| Item No. | ★SFJ-N29⟨★SFJ-N29T⟩ |

| Name(Bolt and Nut Kit) | Hard Bracket LG Kit ⟨Hard Bracket LG with Tap Kit⟩ | Hard Bracket LG(Stainless)Kit ⟨Hard Bracket LG with Tap (Stainless) Kit⟩ |
|---|---|---|
| Item No. | ★SFK-N29⟨★SFK-N29T⟩ | ★SFK-N29S⟨★SFK-N29P⟩ |

■Usable Frame



Compatible to all SF40 and 45 series (Groove Width 10mm)

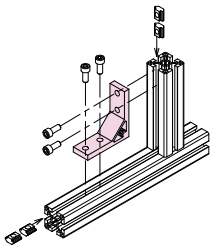
■Kit Contents
- ●Hard Bracket LG⟨or with Tap⟩×1
- ●Hexagon Socket Bolt (M8×25)×2
- ●T Nut L(M8)×2

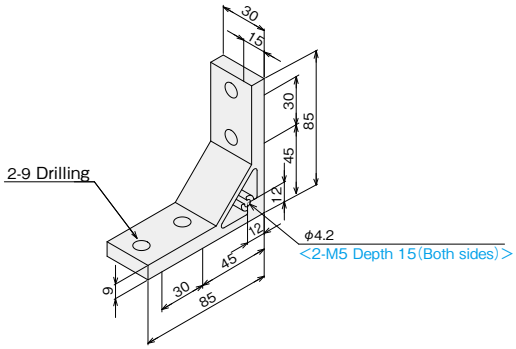
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
- Material Aluminium Alloy
  Alumite Treatment
  Perpendicular surface is machining finished.
- Weight 151g
- Environment ★RoHS Compliant
  ★Green Procurement

## Hard Bracket LW





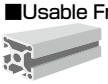



Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

| NamAe(Single Item) | Hard Bracket LW ⟨Hard Bracket LW with Tap⟩ |
|---|---|
| Item No. | SFJ-N19⟨SFJ-N19T⟩ |

| Name(Bolt and Nut Kit) | Hard Bracket LW Kit ⟨Hard Bracket LW Kit with Tap⟩ | Hard Bracket LW(Stainless)Kit ⟨Hard Bracket LW with Tap (Stainless) Kit⟩ |
|---|---|---|
| Item No. | SFK-N19⟨SFK-N19T⟩ | SFK-N19S⟨SFK-N19P⟩ |

■Usable Frame



Compatible to all SF40 and 45 series (Groove Width 10mm)

■Kit Contents
- ●Hard Bracket LW⟨or with Tap⟩×1
- ●Hexagon Socket Bolt (M8×20)×4
- ●T Nut L(M8)×4

※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
- Material Aluminium Alloy
  Alumite Treatment
  Perpendicular surface is machining finished.
- Weight 113g
- Environment RoHS Compliant
  Green Procurement



Example of order

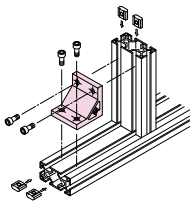
Parts How to order
Item No. SFJ-N05
Quantity (pcs) □□

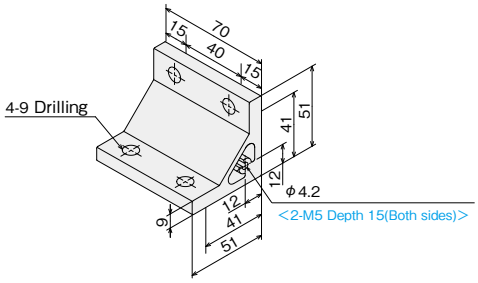
●Cap for Bracket
P123



# Hard Bracket L4080








| Name(Single Item) | Hard Bracket L4080 〈Hard Bracket L4080 with Tap〉 |
|---|---|
| Item No. | ★SFJ-N06〈★SFJ-N06T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket L4080 Kit 〈Hard Bracket L4080 Kit with Tap〉 | Hard Bracket L4080(Stainless)Kit 〈Hard Bracket L4080 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | ★SFK-N06〈★SFK-N06T〉 | ★SFK-N06S〈★SFK-N06P〉 |

Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

■Usable Frame



SF-40·80/1F
SF-80·80/H

■Kit Contents

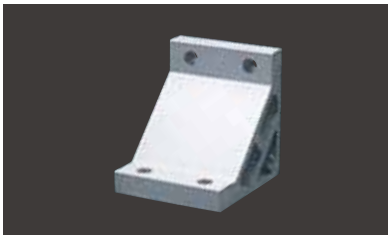
- Hard Bracket L4080〈or with Tap〉×1
- Hexagon Socket Bolt (M8×20)×4
- T Nut L(M8)×4

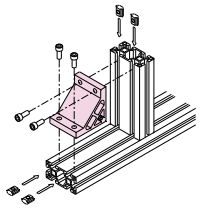
※Bolt and Nut in (Stainless) Kit are stainless.

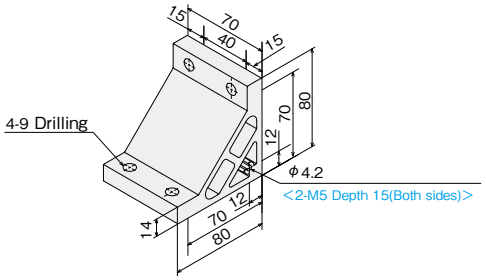
■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
Perpendicular surface is machining finished.
Weight 154g
Environment ★RoHS Compliant
★Green Procurement

# Hard Bracket G80





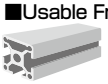



| Name(Single Item) | Hard Bracket G80 〈Hard Bracket G80 with Tap〉 |
|---|---|
| Item No. | ★SFJ-N07〈★SFJ-N07T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket G80 Kit 〈Hard Bracket G80 Kit with Tap〉 | Hard Bracket G80(Stainless)Kit 〈Hard Bracket G80 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | ★SFK-N07〈★SFK-N07T〉 | ★SFK-N07S〈★SFK-N07P〉 |

Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

■Usable Frame



SF-40·80/1F
SF-80·80/H

■Kit Contents

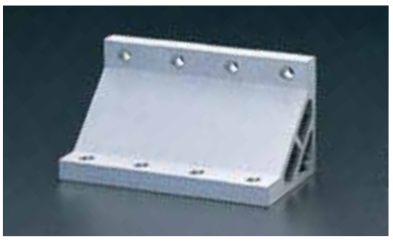
- Hard Bracket G80〈or with Tap〉×1
- Hexagon Socket Bolt (M8×25)×4
- T Nut L(M8)×4

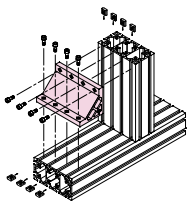
※Bolt and Nut in (Stainless) Kit are stainless.

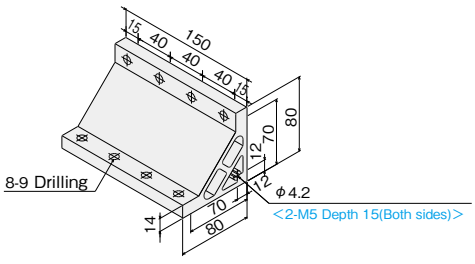
■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
Perpendicular surface is machining finished.
Weight 380g
Environment ★RoHS Compliant
★Green Procurement

# Hard Bracket G80160








| Name(Single Item) | Hard Bracket G80160 〈Hard Bracket G80160 with Tap〉 |
|---|---|
| Item No. | SFJ-N48〈SFJ-N48T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket G80160 Kit 〈Hard Bracket G80160 Kit with Tap〉 | Hard Bracket G80160(Stainless)Kit 〈Hard Bracket G80160 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | SFK-N48〈SFK-N48T〉 | SFK-N48S〈SFK-N48P〉 |

Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

■Usable Frame



SF-80·160

■Kit Contents

- Hard Bracket G80160〈or with Tap〉×1
- Hexagon Socket Bolt (M8×25)×8
- T Nut L(M8)×8

※Bolt and Nut in (Stainless) Kit are stainless.

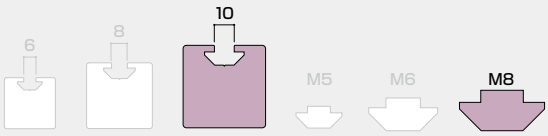
■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
Perpendicular surface is machining finished.
Weight 770g
Environment ★RoHS Compliant
★Green Procurement

We sell Nut Material and Bracket Material as well.
T Nut L Material P99
●Hard Bracket L Material
●Angle Bracket L Material

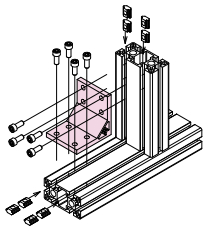


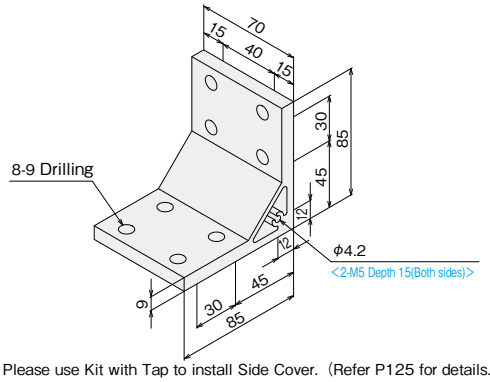
# SF40・45 SERIES




## Hard Bracket LW4080








Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

| Name(Single Item) | Hard Bracket LW4080 〈Hard Bracket LW4080 with Tap〉 |
|---|---|
| Item No. | SFJ-N20〈SFJ-N20T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket LW4080 Kit 〈Hard Bracket LW4080 Kit with Tap〉 | Hard Bracket LW4080(Stainless)Kit 〈Hard Bracket LW4080 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | SFK-N20〈SFK-N20T〉 | SFK-N20S〈SFK-N20P〉 |

■Usable Frame



SF-40·80/1F
SF-80·80/H

■Kit Contents

- Hard Bracket LW4080〈or with Tap〉×1
- Hexagon Socket Bolt (M8×20)×8
- T Nut L(M8)×8

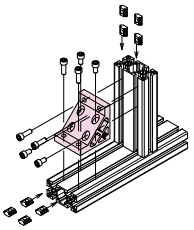
※Bolt and Nut in (Stainless) Kit are stainless.

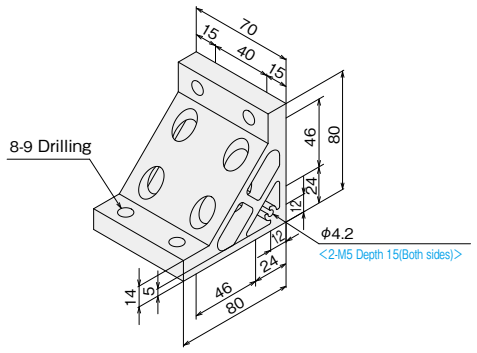
■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
Weight 267g
Environment **RoHS** Compliant
**Green** Procurement

## Hard Bracket GW80





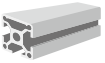



Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

| Name(Single Item) | Hard Bracket GW80 〈Hard Bracket GW80 with Tap〉 |
|---|---|
| Item No. | SFJ-N17〈SFJ-N17T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket GW80 Kit 〈Hard Bracket GW80 Kit with Tap〉 | Hard Bracket GW80(Stainless)Kit 〈Hard Bracket GW80 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | SFK-N17〈SFK-N17T〉 | SFK-N17S〈SFK-N17P〉 |

■Usable Frame



SF-40·80/1F
SF-80·80/H

■Kit Contents

- Hard Bracket GW80〈or with Tap〉×1
- Hexagon Socket Bolt (M8×25)×4
- Hexagon Socket Bolt (M8×15)×4
- T Nut L(M8)×8

※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
Weight 333g
Environment **RoHS** Compliant
**Green** Procurement



Example of order

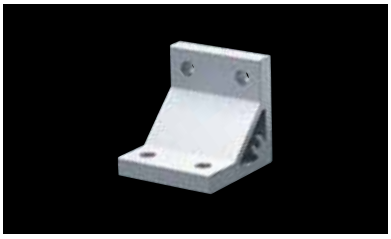
**Parts**
How to order
Item No.
**SFJ-N20**

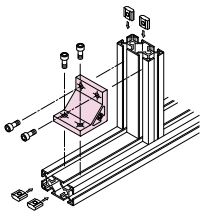
Quantity (pcs)
□□

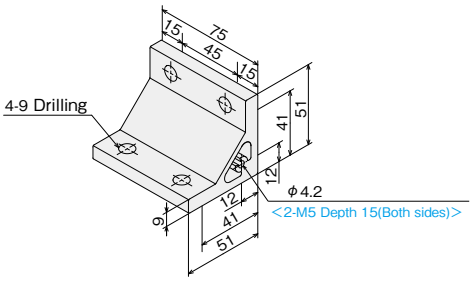
●Cap for Bracket
P123



# Hard Bracket L4590





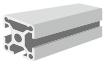



| Name(Single Item) | Hard Bracket L4590 〈Hard Bracket L4590 with Tap〉 |
|---|---|
| Item No. | ★SFJ-N08〈★SFJ-N08T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket L4590 Kit 〈Hard Bracket L4590 Kit with Tap〉 | Hard Bracket L4590(Stainless)Kit 〈Hard Bracket L4590 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | ★SFK-N08〈★SFK-N08T〉 | ★SFK-N08S〈★SFK-N08P〉 |

Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

■Usable Frame



SF-45・90/1F
SF-90・90/45・90・90

■Kit Contents

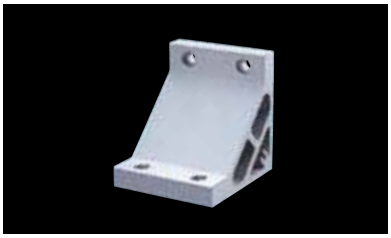
- Hard Bracket L4590〈or with Tap〉×1
- Hexagon Socket Bolt (M8×20)×4
- T Nut L(M8)×4

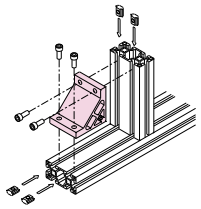
※Bolt and Nut in (Stainless) Kit are stainless.

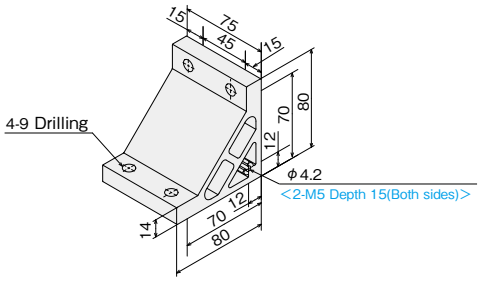
■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
Perpendicular surface is machining finished.
Weight 163g
Environment ★RoHS Compliant
★Green Procurement

# Hard Bracket G90





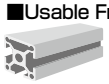



| Name(Single Item) | Hard Bracket G90 〈Hard Bracket G90 with Tap〉 |
|---|---|
| Item No. | ★SFJ-N18〈★SFJ-N18T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket G90 Kit 〈Hard Bracket G90 Kit with Tap〉 | Hard Bracket G90(Stainless)Kit 〈Hard Bracket G90 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | ★SFK-N18〈★SFK-N18T〉 | ★SFK-N18S〈★SFK-N18P〉 |

Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

■Usable Frame



SF-45・90/1F
SF-90・90/H

■Kit Contents

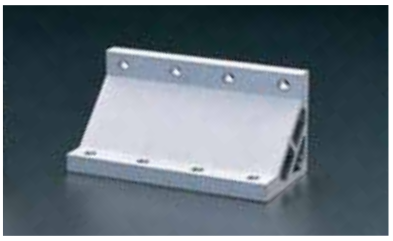
- Hard Bracket G90〈or with Tap〉×1
- Hexagon Socket Bolt (M8×25)×4
- T Nut L(M8)×4

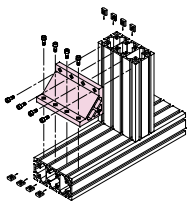
※Bolt and Nut in (Stainless) Kit are stainless.

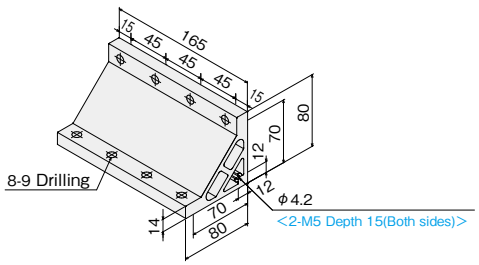
■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
Perpendicular surface is machining finished.
Weight 387g
Environment ★RoHS Compliant
★Green Procurement

# Hard Bracket G90180








| Name(Single Item) | Hard Bracket G90180 〈Hard Bracket G90180 with Tap〉 |
|---|---|
| Item No. | SFJ-N49〈SFJ-N49T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket G90180 Kit 〈Hard Bracket G90180 Kit with Tap〉 | Hard Bracket G90180(Stainless)Kit 〈Hard Bracket G90180 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | SFK-N49〈SFK-N49T〉 | SFK-N49S〈SFK-N49P〉 |

Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

■Usable Frame



SF-90・180

■Kit Contents

- Hard Bracket G90180〈or with Tap〉×1
- Hexagon Socket Bolt (M8×25)×8
- T Nut L(M8)×8

※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
Weight 846g
Environment RoHS Compliant
Green Procurement

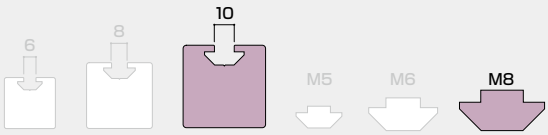
We sell Nut Material and Bracket Material as well.

T Nut L Material P99

●Hard Bracket L Material
●Angle Bracket L Material

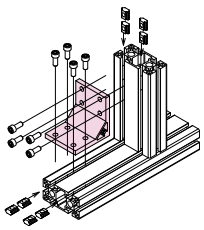

Material Frame

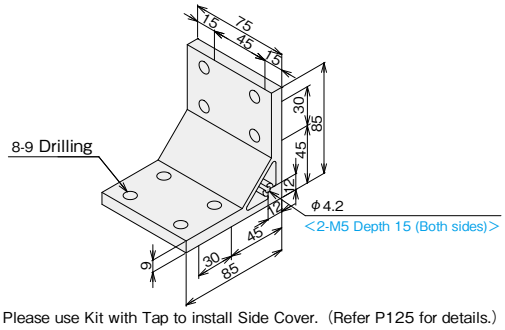
# SF40・45 SERIES




## Hard Bracket LW4590








| Name(Single Item) | Hard Bracket LW4590 〈Hard Bracket LW4590 with Tap〉 |
|---|---|
| Item No. | SFJ-N21〈SFJ-N21T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket LW4590 Kit 〈Hard Bracket LW4590 Kit with Tap〉 | Hard Bracket LW4590(Stainless)Kit 〈Hard Bracket LW4590 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | SFK-N21〈SFK-N21T〉 | SFK-N21S〈SFK-N21P〉 |

Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

■Usable Frame



SF-45·90/1F
SF-90·90/45·90·90

■Kit Contents

- Hard Bracket LW4590〈or with Tap〉×1
- Hexagon Socket Bolt (M8×20)×8
- T Nut L(M8)×8

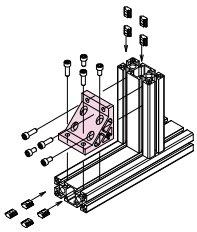
※Bolt and Nut in (Stainless) Kit are stainless.

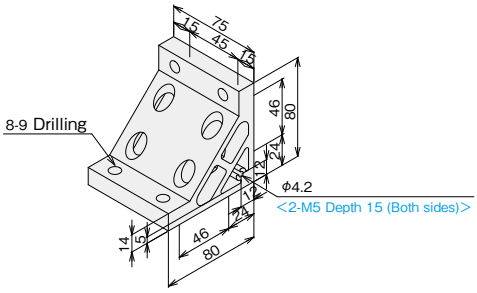
■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
Perpendicular surface is machining finished.
Weight 287g
Environment RoHS Compliant
Green Procurement

## Hard Bracket GW90





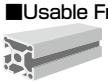



| Name(Single Item) | Hard Bracket GW90 〈Hard Bracket GW90 with Tap〉 |
|---|---|
| Item No. | SFJ-N22〈SFJ-N22T〉 |

| Name(Bolt and Nut Kit) | Hard Bracket GW90 Kit 〈Hard Bracket GW90 Kit with Tap〉 | Hard Bracket GW90(Stainless)Kit 〈Hard Bracket GW90 with Tap (Stainless) Kit〉 |
|---|---|---|
| Item No. | SFK-N22〈SFK-N22T〉 | SFK-N22S〈SFK-N22P〉 |

Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

■Usable Frame



SF-45·90/1F
SF-90·90/45·90·90

■Kit Contents

- Hard Bracket GW90〈or with Tap〉×1
- Hexagon Socket Bolt (M8×25)×4
- Hexagon Socket Bolt (M8×15)×4
- T Nut L(M8)×8

※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
Perpendicular surface is machining finished.
Weight 359g
Environment RoHS Compliant
Green Procurement



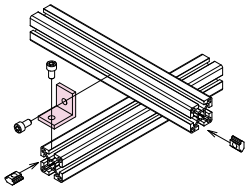
Example of order

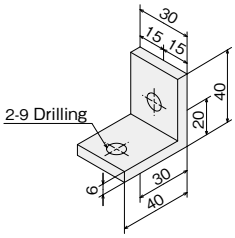
**Parts**
How to order
Item No.
**SFJ-N21**

Quantity (pcs)
□□

# Angle Bracket L40








| Name(Single Item) | Angle Bracket L40 |
|---|---|
| Item No. | ★SFJ-A05 |
| Name(Bolt and Nut Kit) | Angle Bracket L40 Kit<br>〈Angle Bracket L40 (Stainless) Kit〉 |
| Item No. | ★SFK-A05〈★SFK-A05S〉 |

■Usable Frame



Compatible to all SF40 series (Groove Width 10mm)

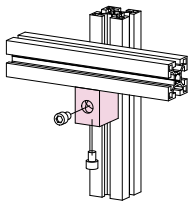
■Kit Contents
- Angle Bracket L40×1
- Hexagon Socket Bolt (M8×15)×2
- T Nut L(M8)×2

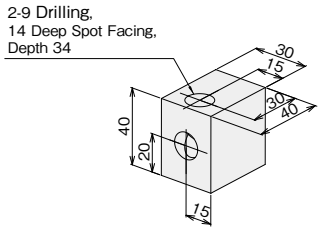
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Weight 34g
Environment ★RoHS Compliant
★Green Procurement

# Angle Bracket Hard L40








| Name(Single Item) | Angle Bracket Hard L40 |
|---|---|
| Item No. | SFJ-A16 |
| Name(Bolt and Nut Kit) | Angle Bracket Hard L40 Kit<br>〈Angle Bracket Hard L40 (Stainless) Kit〉 |
| Item No. | SFK-A16〈SFK-A16S〉 |

■Usable Frame



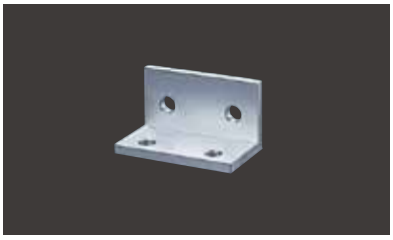
Compatible to all SF40 series (Groove Width 10mm)

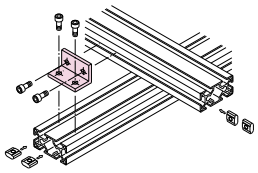
■Kit Contents
- Angle Bracket Hard L40×1
- Hexagon Socket Bolt (M8×15)×2
- T Nut L(M8)×2

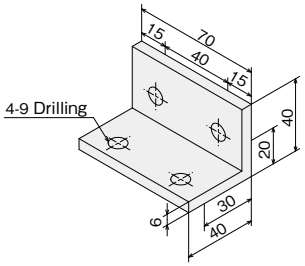
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Weight 103g
Environment RoHS Compliant
Green Procurement

# Angle Bracket L4080

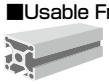







| Name(Single Item) | Angle Bracket L4080 |
|---|---|
| Item No. | ★SFJ-A06 |
| Name(Bolt and Nut Kit) | Angle Bracket L4080 Kit<br>〈Angle Bracket L4080(Stainless) Kit〉 |
| Item No. | ★SFK-A06〈★SFK-A06S〉 |

■Usable Frame



Compatible to all SF40 series (Groove Width 10mm)

■Kit Contents
- Angle Bracket L4080×1
- Hexagon Socket Bolt (M8×15)×4
- T Nut L(M8)×4

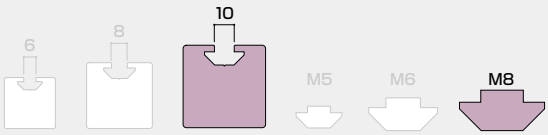
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Weight 80g
Environment ★RoHS Compliant
★Green Procurement

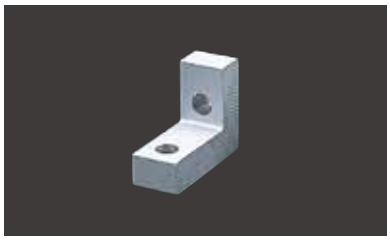
We sell Nut Material and Bracket Material as well.
T Nut L Material P99
●Hard Bracket L Material
●Angle Bracket L Material

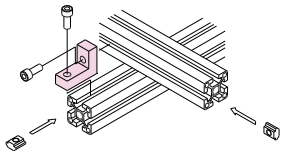
Material Frame

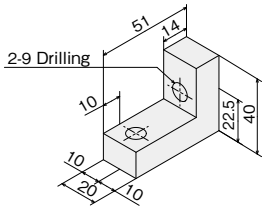
# SF40・45 SERIES




## Angle Bracket L45

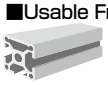







| Name(Single Item) | Angle Bracket L45 |
|---|---|
| Item No. | SFJ-007 |
| Name(Bolt and Nut Kit) | Angle Bracket L45 Kit<br>〈Angle Bracket L45 (Stainless) Kit〉 |
| Item No. | SFK-007〈SFK-007S〉 |

■Usable Frame



Compatible to all SF45 series (Groove Width 10mm)

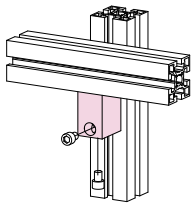
■Kit Contents
- Angle Bracket L45×1
- Hexagon Socket Button Bolt (M8×25)×2
- T Nut L(M8)×2

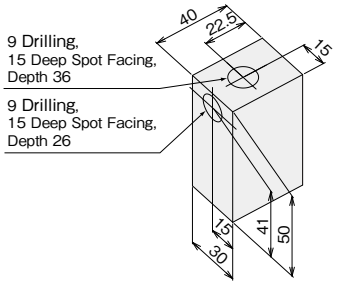
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Weight 52g
Environment **RoHS** Compliant
**Green** Procurement

## Angle Bracket Hard L45








| Name(Single Item) | Angle Bracket Hard L45 |
|---|---|
| Item No. | SFJ-A17 |
| Name(Bolt and Nut Kit) | Angle Bracket Hard L45 Kit<br>〈Angle Bracket Hard L45 (Stainless) Kit〉 |
| Item No. | SFK-A17〈SFK-A17S〉 |

■Usable Frame



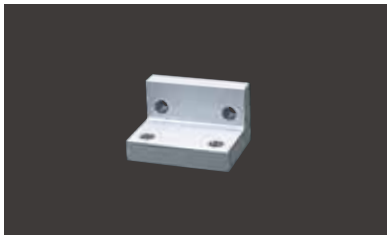
Compatible to all SF 45 series (Groove Width 10mm)

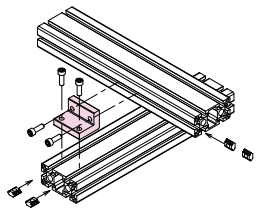
■Kit Contents
- Angle Bracket Hard L45×1
- Hexagon Socket Bolt (M8×25)×2
- T Nut L(M8)×2

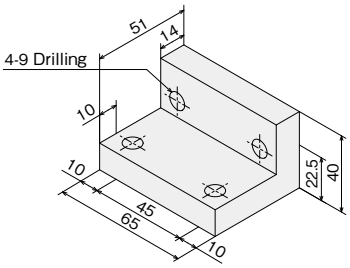
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Weight 135g
Environment **RoHS** Compliant
**Green** Procurement

## Angle Bracket L4590

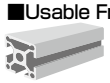







| Name(Single Item) | Angle Bracket L4590 |
|---|---|
| Item No. | SFJ-A08 |
| Name(Bolt and Nut Kit) | Angle Bracket L4590 Kit<br>〈Angle Bracket L4590 (Stainless) Kit〉 |
| Item No. | SFK-A08〈SFK-A08S〉 |

■Usable Frame



Compatible to all SF45 series (Groove Width 10mm)

■Kit Contents
- Angle Bracket L4590×1
- Hexagon Socket Button Bolt (M8×25)×4
- T Nut L(M8)×4

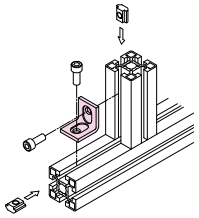
※Bolt and Nut in (Stainless) Kit are stainless.

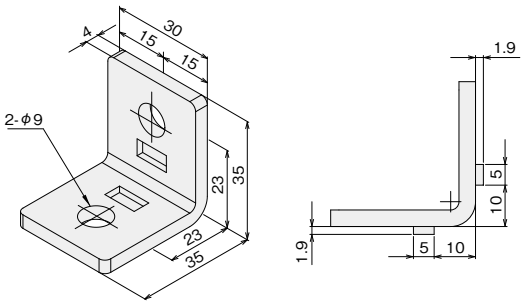
■Material/Technical Data
Material Aluminium Alloy
Alumite Treatment
Weight 175g
Environment **RoHS** Compliant
**Green** Procurement

**Parts**
How to order
Item No.
**SFJ-007**
Quantity (pcs)
□□

# L Bracket L (Stainless)








| Name(Single Item) | L Bracket L(Stainless) |
|---|---|
| Item No. | SFJ-102S |

| Name(Bolt and Nut Kit) | L Bracket L (Stainless) Kit |
|---|---|
| Item No. | SFK-102S |

■Usable Frame



Compatible to all SF40 and 45 series (Groove Width 10mm)

■Kit Contents
- L Bracket L(Stainless)×1
- Hexagon Socket Bolt (M8×15)Stainless×2
- ST Nut L(M8)×2

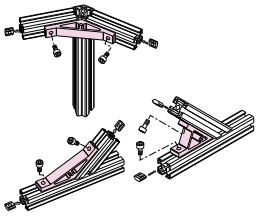
■Material/Technical Data

Material SUS304
Weight 58g
Environment **RoHS** Compliant
**Green** Procurement

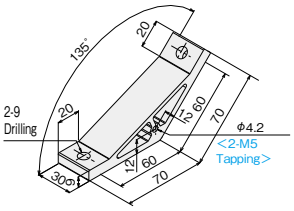
# Hard Bracket L·DE



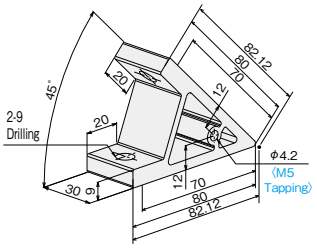




Hard Bracket L·DE135




Hard Bracket L·DE45




Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

| Name(Single Item) | Hard Bracket L·DE135 〈Hard Bracket L·DE135 with Tap〉 | | Hard Bracket L·DE45 〈Hard Bracket L·DE45 with Tap〉 | |
|---|---|---|---|---|
| Item No. | SFJ-N35〈SFJ-N35T〉 | | SFJ-N36〈SFJ-N36T〉 | |
| Name(Bolt and Nut Kit) | L·DE135 Kit 〈L·DE135 Kit with Tap〉 | L·DE135(Stainless)Kit 〈L·DE135 with Tap(Stainless) Kit〉 | L·DE45 Kit 〈L·DE45 Kit with Tap〉 | L·DE45(Stainless)Kit 〈L·DE45 with Tap(Stainless) Kit〉 |
| Item No. | SFK-N35〈SFK-N35T〉 | SFK-N35S〈SFK-N35P〉 | SFK-N36〈SFK-N36T〉 | SFK-N36S〈SFK-N36P〉 |

■Usable Frame



SF-40·45 Series 45°slant cut frame
SF-40·DE45/SF-45·DE45(L·DE135 only)

■Kit Contents

〈Hard Bracket L·DE135 Kit〉
- Hard Bracket L·DE135〈or with Tap〉×1
- Hexagon Socket Bolt (M8×20)×2
- T Nut L(M8)×2

〈Hard Bracket L·DE45 Kit〉
- Hard Bracket L·DE45〈or with Tap〉×1
- Hexagon Socket Bolt (M8×20)×2
- T Nut L(M8)×2

※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data

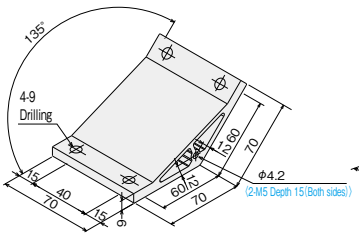
Material Aluminium Alloy
Alumite Treatment
Weight 103g(L·DE135)
88g(L·DE45)
Environment **RoHS** Coompliant
**Green** Procurement

# Hard Bracket L4080·DE

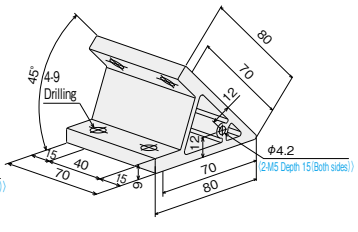




Hard Bracket L4080·DE135



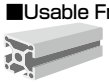

Hard Bracket L4080·DE45




Please use Kit with Tap to install Side Cover. (Refer P125 for details.)

| Name(Single Item) | Hard Bracket L4080·DE135 〈Hard Bracket L4080·DE135 with Tap〉 | | Hard Bracket L4080·DE45 〈Hard Bracket L4080·DE45 with Tap〉 | |
|---|---|---|---|---|
| Item No. | SFJ-N42〈SFJ-N42T〉 | | SFJ-N41〈SFJ-N41T〉 | |
| Name(Bolt and Nut Kit) | L4080·DE135 Kit 〈L4080·DE135 Kit with Tap〉 | L4080·DE135(Stainless)Kit 〈L4080·DE135 with Tap(Stainless) Kit〉 | L4080·DE45 Kit 〈L4080·DE45 Kit with Tap〉 | L4080·DE45(Stainless)Kit 〈L4080·DE45 with Tap(Stainless) Kit〉 |
| Item No. | SFK-N42〈SFK-N42T〉 | SFK-N42S〈SFK-N42P〉 | SFK-N41〈SFK-N41T〉 | SFK-N41S〈SFK-N41P〉 |

■Usable Frame



SF-40·80 45°slant cut frame

■Kit Contents

〈Hard Bracket L4080·DE135 Kit〉
- Hard Bracket L4080·DE135〈or with Tap〉×1
- Hexagon Socket Bolt (M8×20)×4
- T Nut L(M8)×4

〈Hard Bracket L4080·DE45 Kit〉
- Hard Bracket L4080·DE45〈or with Tap〉×1
- Hexagon Socket Bolt (M8×20)×4
- T Nut L(M8)×4

※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
Weight 258g(L4080·DE135)
221g(L4080·DE45)
Environment **RoHS** Compliant
**Green** Procurement

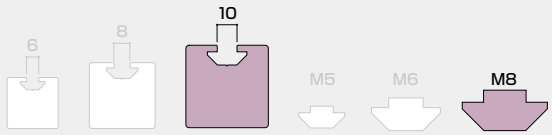
We sell Nut Material and Bracket Material as well.

T Nut L Material P99

- Hard Bracket L Material
- Angle Bracket L Material


Material Frame

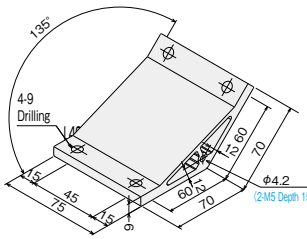
# SF40•45 SERIES



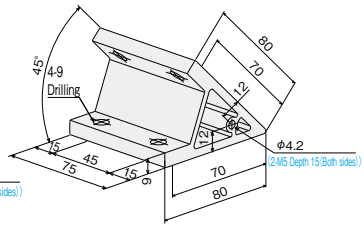

## Hard Bracket L4590·DE



Hard Bracket L4590·DE135




Hard Bracket L4590·DE45




Please use Kit with Tap to install Side Cover.
(Refer P125 for details.)

| Name(Single Item) | Hard Bracket L4590·DE135 〈Hard Bracket L4590·DE135 with Tap〉 | Hard Bracket L4590·DE45 〈Hard Bracket L4590·DE45 with Tap〉 |
|---|---|---|
| Item No. | SFJ-N44〈SFJ-N44T〉 | SFJ-N43〈SFJ-N43T〉 |

| Name(Bolt and Nut Kit) | L4590·DE135 Kit 〈L4590·DE135 Kit with Tap〉 | L4590·DE135(Stainless)Kit 〈L4590·DE135 with Tap(Stainless) Kit〉 | L4590·DE45 Kit 〈L4590·DE45 Kit with Tap〉 | L4590·DE45(Stainless)Kit 〈L4590·DE45 with Tap(Stainless) Kit〉 |
|---|---|---|---|---|
| Item No. | SFK-N44〈SFK-N44T〉 | SFK-N44S〈SFK-N44P〉 | SFK-N43〈SFK-N43T〉 | SFK-N43S〈SFK-N43P〉 |

■Usable Frame



SF-45·90 45°slant cut frame

■Kit Contents

〈Hard Bracket L4590·DE135 Kit〉
- ●Hard Bracket L4590·DE135〈or with Tap〉×1
- ●Hexagon Socket Bolt (M8×20)×4
- ●T Nut L(M8)×4

〈Hard Bracket L4590·DE45 Kit〉
- ●Hard Bracket L4590·DE45〈or with Tap〉×1
- ●Hexagon Socket Bolt (M8×20)×4
- ●T Nut L(M8)×4

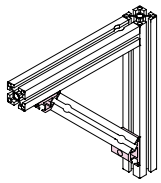
※Bolt and Nut in (Stainless) Kit are stainless.

■Material/Technical Data

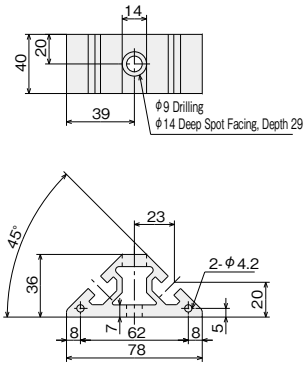
Material Aluminium Alloy Alumite Treatment
Weight 277g(L4590·DE135) 236g(L4590·DE45)
Environment **RoHS** Compliant **Green** Procurement

## Truss Joint L40 / L45

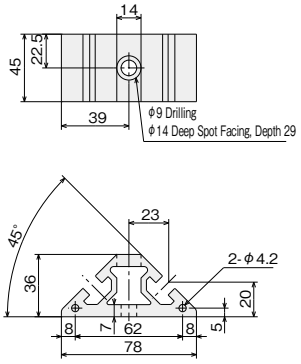




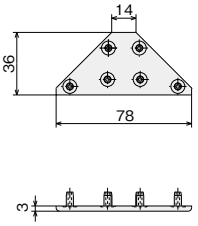
Truss Joint L40




Truss Joint L45




Truss Cap L

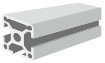



※Groove size is as same as SF-40·40, SF-45·45

| Name | Truss Joint L40 | Truss Joint L45 |
|---|---|---|
| Item No. | SFJ-J03 | SFJ-J04 |

| Name | Truss Cap L(Black) | Truss Cap L(Light gray) |
|---|---|---|
| Item No. | SFA-J03 | SFA-J03G |

■Usable Frame



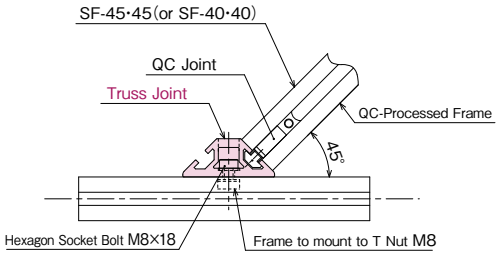
(Frame to reinforce)
SF-40·40/SF-K·40·40
SF-45·45/SF-K·45·45
(Frame to combine)
Compatible to SF-40·45 series

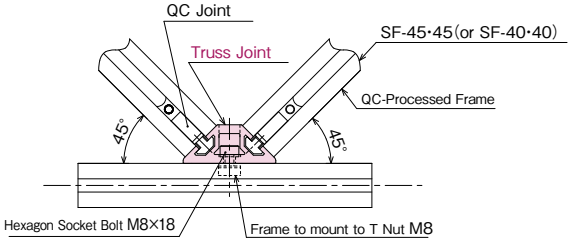
■Material/Technical Data

| | Truss Joint L40/L45 | Truss Cap L |
|---|---|---|
| Material | Aluminium Alloy Alumite Treatment | Polyamide |
| Weight | 103g(L40) 117g(L45) | 6.5g |
| Environment | **RoHS** Compliant **Green** Procurement | |

### Truss Joint

〈Truss Joint〉
Best suited to reinforce in 45° or truss stiffening.



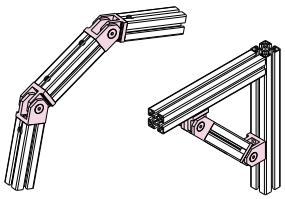



Example of order

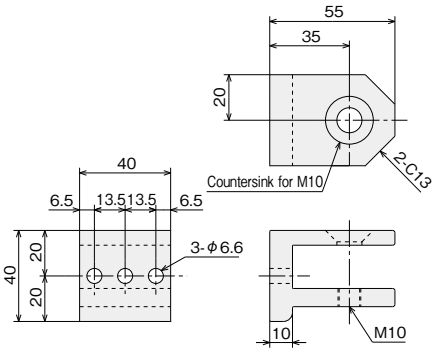
**Parts**
How to order
Item No.
**SFJ-N44**
Quantity (pcs)
□□

# Turn Bracket 40A / 40B



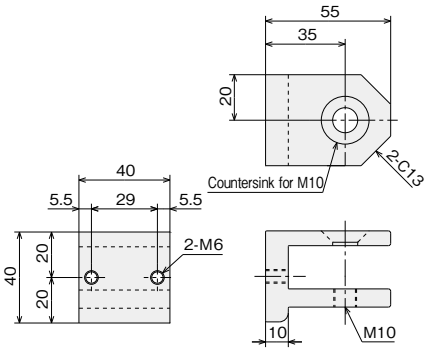


Turn Bracket 40A




Hexagon Socket Flat Head Cap Screw M10×16 included

Turn Bracket 40B




Hexagon Socket Flat Head Cap Screw M10×16 included
※Refer examples below to select bolt and nut you need.

| Name | Turn Bracket 40A | Turn Bracket 40B |
|---|---|---|
| Item No. | SFK-42A | SFK-42B |

■Usable Frame



〈Section Installation〉
SF-40・40(1F/K/2H include)
〈Side Installation〉
Compatible to all SF40 series

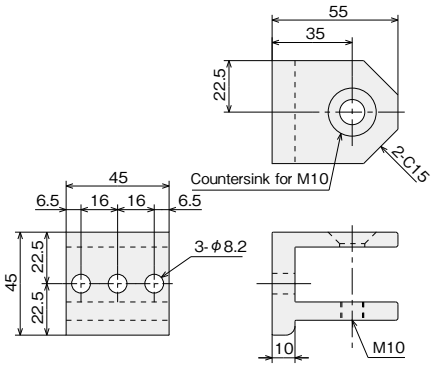
■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
Weight 97g(40A)
98g(40B)
Environment **RoHS** Compliant

# Turn Bracket 45A / 45B

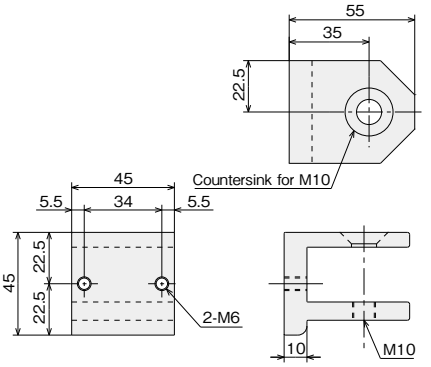


Turn Bracket 45A




Hexagon Socket Flat Head Cap Screw M10×16 included

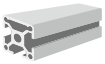
Turn Bracket 45B




Hexagon Socket Flat Head Cap Screw M10×16 included
※Refer examples below to select bolt and nut you need.

| Name | Turn Bracket 45A | Turn Bracket 45B |
|---|---|---|
| Item No. | SFK-43A | SFK-43B |

■Usable Frame



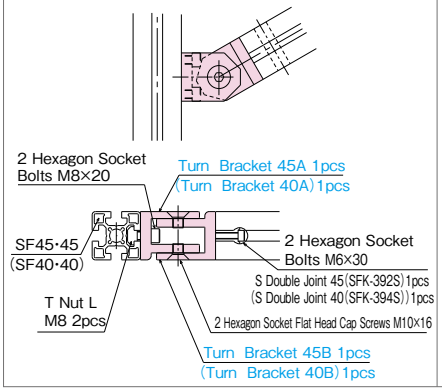
〈Section Installation〉
SF-45・45(1F/K/2H include)
〈Side Installation〉
Compatible to all SF45 series

■Material/Technical Data

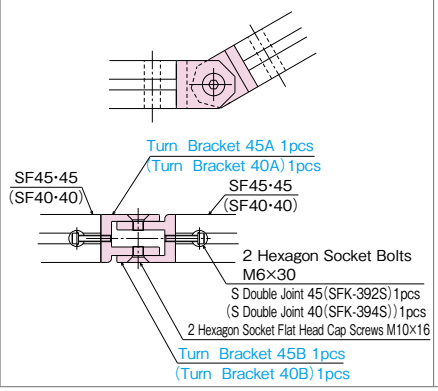
Material Aluminium Alloy
Alumite Treatment
Weight 113g(45A)
116g(45B)
Environment **RoHS** Compliant

## Example of mounting Turn Bracket ※This product cannot be used as supporting point of movable part.

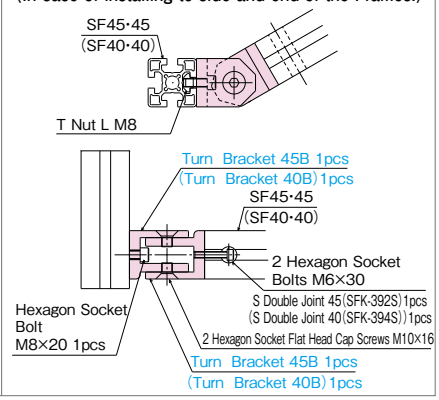
〈In case of installing to side and end of the Frames.〉




〈In case of installing to sections of the Frames.〉




〈In case of installing to side and end of the Frames.〉




GO ●Use Processing Symbols written from P214, P215 to specify frilling for Double Joint.

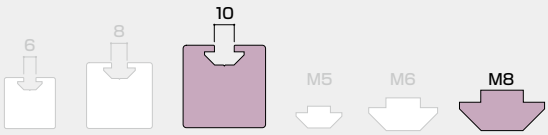
We sell Nut Material and Bracket Material as well.

T Nut L Material P99

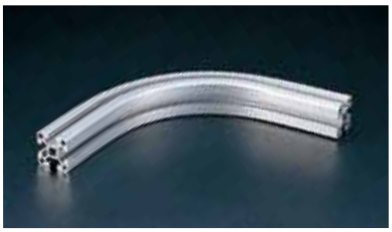
●Hard Bracket L Material
●Angle Bracket L Material

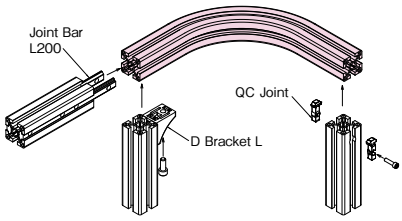


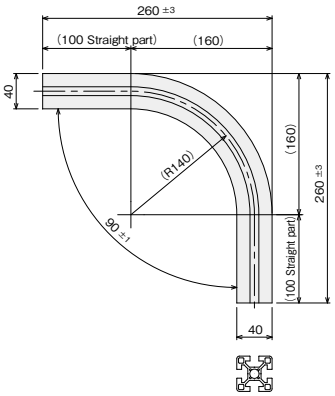
# SF40・45 SERIES




## Bend Bracket L40






| Name | Bend Bracket L40 |
|---|---|
| Item No. | SFJ-V02 |

■Usable Frame



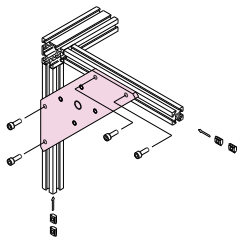
Compatible to SF40·40
(1F, 2F, 2H, 3F, K)

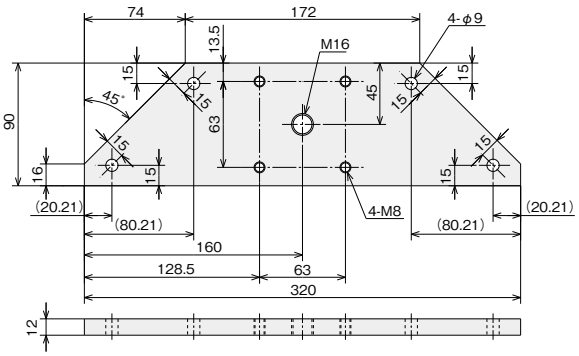
■Material/Technical Data

Material Aluminium Alloy
Alumite Treatment
Weight 774g
Environment RoHS Compliant
Green Procurement

## Caster Plate L

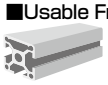







| Name | Caster Plate L<br>〈Caster Plate L(Stainless)〉 |
|---|---|
| Item No. | ★SFJ-7A3〈★SFJ-7A3S〉 |

■Usable Frame



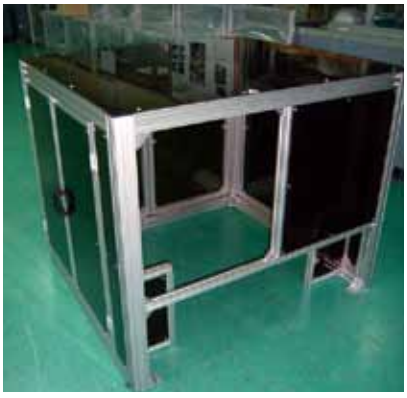
Compatible to all SF40 and 45 series
(Groove Width 10mm)

■Use Example

- Adjuster M16 ●Caster C
- Double-Wheel Caster M16
- Marketing Hanging Bolt etc

■Material/Technical Data

| | Caster Plate L | Caster Plate L (Stainless) |
|---|---|---|
| Material | SS400<br>Uni-Chrome | SUS304 |
| Weight | 2.1kg | 2.1kg |
| Environment | ★RoHS Compliant<br>★Green Procurement | |









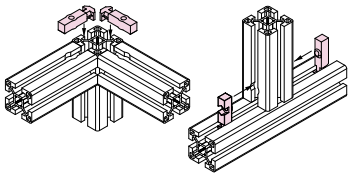
Example of order

**Parts**
How to order
Item No.
**SFJ-V02**

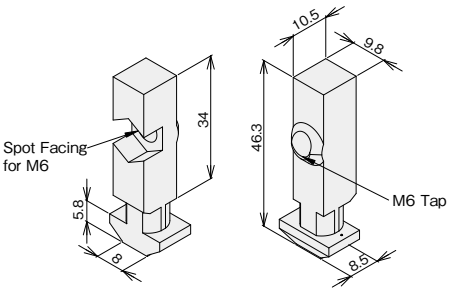
Quantity (pcs)
□□

# QC Joint L

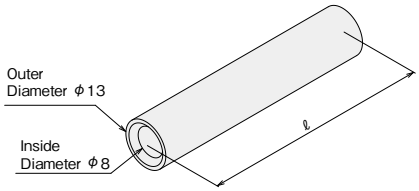




QC Joint L(Common Parts)




SS Round Metal Tool




| | L40 Kit | L45 Kit | L60 Kit | L80 Kit | L90 Kit |
|---|---|---|---|---|---|
| R | 15 | 19 | 34 | 55 | 64 |

| Name | QC Joint L40 Kit | QC Joint L45 Kit | QC Joint L60 Kit | QC Joint L80 Kit | QC Joint L90 Kit |
|---|---|---|---|---|---|
| Item No. | SFK-Q40 | SFK-Q41 | SFK-Q42 | SFK-Q43 | SFK-Q44 |

Kit Contents

| Kit Name | QC Joint | Round Metal Tool | Bolt |
|---|---|---|---|
| QC Joint L40 Kit | QC Joint L ×1set | L Round Metal Tool 40×1 | Hexagon Socket Bolt (M6×30) Stainless×1 |
| QC Joint L45 Kit | | L Round Metal Tool 45×1 | Hexagon Socket Bolt (M6×35) Stainless×1 |
| QC Joint L60 Kit | | L Round Metal Tool 60×1 | Hexagon Socket Bolt (M6×50) Stainless×1 |
| QC Joint L80 Kit | | L Round Metal Tool 80×1 | Hexagon Socket Bolt (M6×70) Stainless×1 |
| QC Joint L90 Kit | | L Round Metal Tool 90×1 | Hexagon Socket Bolt (M6×80) Stainless×1 |

■Material/Technical Data

| | QC Joint L | L Round metal tool |
|---|---|---|
| Material | Stainless With Conductive Function | Stainless |

| | L40 Kit | L45 Kit | L60 Kit | L80 Kit | L90 Kit |
|---|---|---|---|---|---|
| Weight | 88g | 92g | 104g | 119g | 129g |

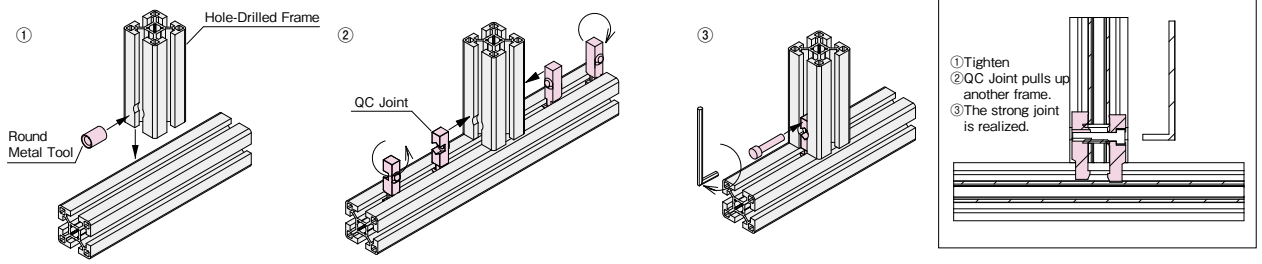
Environment **RoHS** Compliant **Green** Procurement

## QC Joint L

〈Characteristics〉

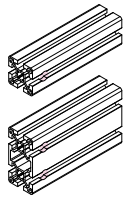
It's easy to set vertically and hardly make gap, because 2 frames are pulled at each other to combine. Also, you don't have to let nuts into frame in advance, and strong fixing is possible by one bolt, so the assembly man-hour is reduced.

〈How to assemble〉

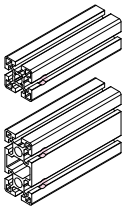



〈Example of Kit Selection〉

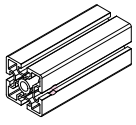
●QC Joint L40 Kit
(For drilled hole to the direction of 40mm)



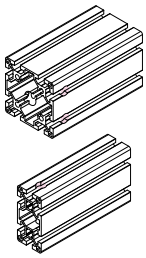
●QC Joint L45 Kit
(For drilled hole to the direction of 45mm)



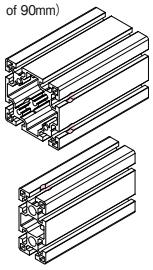
●QC Joint L60 Kit
(For drilled hole to the direction of 60mm)



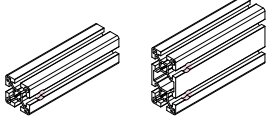
●QC Joint L80 Kit
(For drilled hole to the direction of 80mm)
※SF-80·80·1S Drilling is as same as L60 Kit

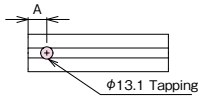


●QC Joint L90 Kit
(For drilled hole to the direction of 90mm)



〈Drilling 〉






| | A |
|---|---|
| SF40 Series (SF-40/SF-K45) | 20 |
| SF45 Series (SF-60·1S/80·1S) | 19.5 |

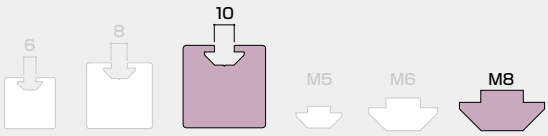
GO ●Drillid by SUS Processing Symbol P212

We sell Nut Material and Bracket Material as well.

T Nut L Material P99
●Hard Bracket L Material
●Angle Bracket L Material



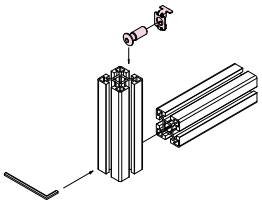
# SF40・45 SERIES



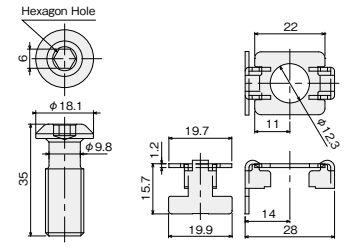

## TG Joint Kit 4045 / 60 / 80 / Wrench Hole Cap



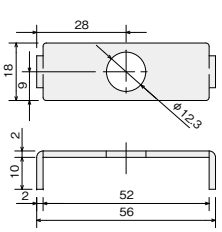
〈TG Bolt M12〉



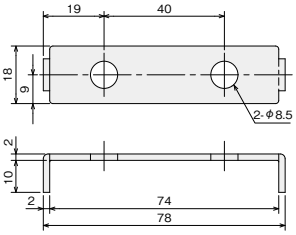
〈TG Plate 4045〉



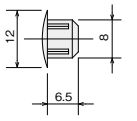

〈TG Plate 60〉




〈TG Plate 80〉




Wrench Hole Cap




※For Anacac of Flat type frame (For 1F,2F,2H,3F)

■Usable Frame



SF-40·40, SF-40·80, SF-40·160
SF-45·45, SF-45·90, SF-45·180
SF-K·40·40／K·40·80

■Kit Contents

〈TG Joint Kit 4045〉
●TG Plate 4045×1
●TG Bolt M12×1

■Usable Frame



SF-60·60·1S

■Kit Contents

〈TG Joint Kit 60〉
●TG Plate 60×1
●TG Bolt M12×1

■Usable Frame



SF-80·80(H)

■Kit Contents

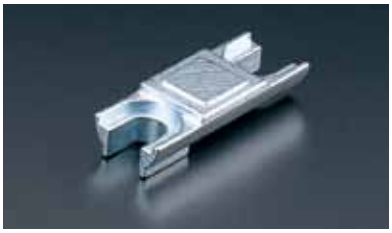
〈TG Joint Kit 80〉
●TG Plate 80×1
●Hexagon Socket Button Bolt M8×20(Uni-chrome) ×2

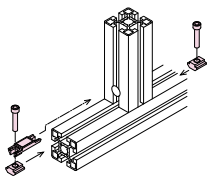
| Name | TG Joint Kit 4045 | TG Joint Kit 60 | TG Joint Kit 80 | Wrench Hole Cap |
|---|---|---|---|---|
| Item No. | ★SFK-207 | ★SFK-208 | ★SFK-307 | ★SFA-155 |

■Material/Technical Data

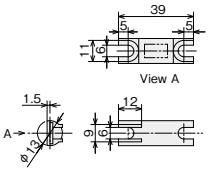
| | TG Bolt M12 | TG Plate 4045/60/80 | Wrench Hole Cap |
|---|---|---|---|
| Material | SCM435 Uni-chrome | SPCC Uni-chrome | Polypropylene (Color/Gray) |
| Weight | 34.6g(Kit4045) ·43.4g(Kit60) ·43g(Kit80) | | 0.3g(Wrench Hole Cap) |
| Environment | ★RoHS Compliant ★Green Procurement | | |

## S Double Joint Kit 40 / 45 / 60 / 80

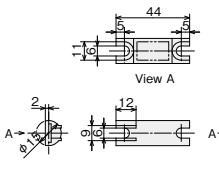




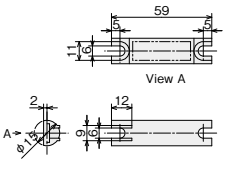
S Double Joint Kit 40



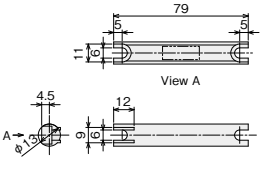

S Double Joint Kit 45




S Double Joint Kit 60




S Double Joint Kit 80




■Usable Frame



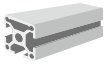
SF-40·40, SF-40·80
SF-K·40·40, SF-K·40·80

■Usable Frame



SF-45·45, SF-45·90
SF-K·45·45, SF-K·45·90

■Usable Frame



SF-60·60·1S

■Usable Frame



SF-80·80(H)
SF-80·80·1S
SF-40·80

| Name | S Double Joint Kit 40 | 45 | 60 | 80 |
|---|---|---|---|---|
| Item No. | SFK-304S | SFK-302S | SFK-303S | SFK-305S |

■Kit Contents

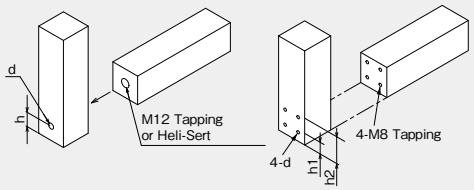
〈S Double Joint Kit 40/45/60/80〉
●Each S Double Joint Kit×1
●Hexagon Socket Bolt (M6×30) Stainless ×2
●ST Nut L(M6)×2

■Material/Technical Data

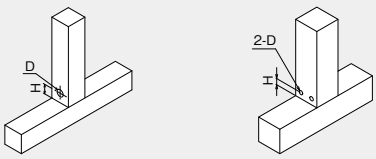
| | |
|---|---|
| Material | Stainless(SCS13) |
| Weight | 61g(Kit40) 85g(Kit60) 73g(Kit45) 103g(Kit80) |
| Environment | RoHS Compliant Green Procurement |

### TG Joint・S Double Joint

〈TG Joint Drilling Jig〉




〈S Double Joint Drilling Jig〉




TG, S Double Joint are easy to set vertically and hardly make gap, because 2 frames are pulled each other.
Also, it looks clear because the joint part doesn't bulge outside.

GO ●Refer from P198 how to assemble

Processing size(mm)

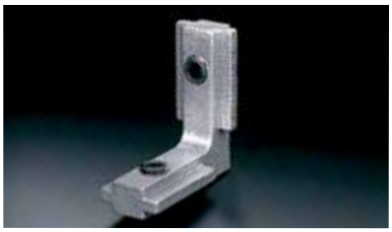
| Usable Frame | H | h | D | d |
|---|---|---|---|---|
| SF-40·40/K·40·40 | 20 | 20 | φ13.1 | φ8 |
| SF-45·45 | | 22.5 | φ15.1 | |
| SF-60·60·1S | | 30 | | |

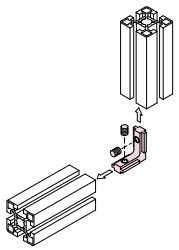
| Usable Frame | H | h1 | h2 | D | d |
|---|---|---|---|---|---|
| SF-80·80(H) | 20 | 20 | 40 | φ13.1 | φ8 |
| SF-80·80·1S | | — | — | | — |

GO ●Drillid by SUS Processing Symbol P212～

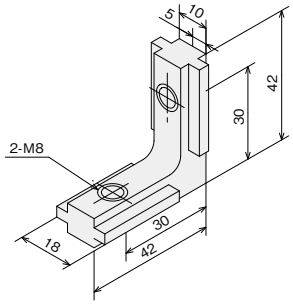
Parts How to order
Example of order
Item No. SFK-207
Quantity (pcs) □□

# S Blind Bracket L





S Blind Bracket L




| Name | S Blind Bracket L |
|---|---|
| Item No. | SFK-602S |

■Material/Technical Data

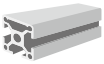
S Blind Bracket L

Material Stainless(SCS13)
(2 Set Screws〈M8×10〉Stainless Included)

Weight 70g

Environment **RoHS** Compliant **Green** Procurement

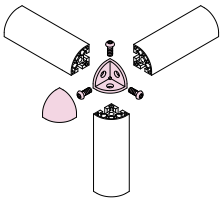
■Usable Frame



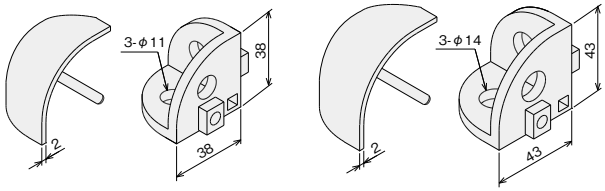
Compatible to all SF40 and 45 series (430): Other Frame SF30 series (K Frame excluded)

# R Bracket L40 Kit / L45 Kit





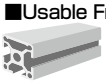
R Cap L40 R Bracket L40 R Cap L45 R Bracket L45




| Name | R Bracket L40 Kit (Black) | R Bracket L40 Kit (Light Gray) |
|---|---|---|
| Item No. | SFK-R03 | SFK-R03G |

| Name | R Bracket L45 Kit (Black) | R Bracket L45 Kit (Light Gray) |
|---|---|---|
| Item No. | SFK-R04 | SFK-R04G |

■Usable Frame



〈R Bracket L40 Kit〉
SF-40・40・R
〈R Bracket L45 Kit〉
SF-45・45・R

■Material/Technical Data

| | R Bracket L40/L45 | R Cap L40/L45 |
|---|---|---|
| Material | Stainless(SCS13) | Polyamide |
| Weight | 130g(L40) | 10g(L40) |
| | 167g(L45) | 12g(L45) |

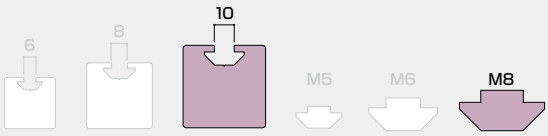
Environment **RoHS** Compliant

※L40 Kit:With 3 Hexagon Socket Button Bolts〈M10×30〉
L45 Kit:With 3 Hexagon Socket Button Bolts〈M12×35〉

We sell Nut Material and Bracket Material as well.
T Nut L Material P99
●Hard Bracket L Material
●Angle Bracket L Material

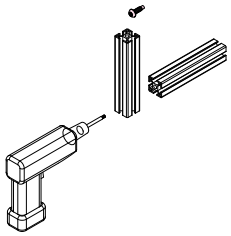
Material Frame

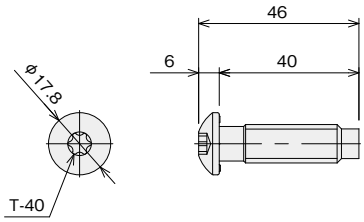
# SF40・45 SERIES




## Tapping Bolt L40

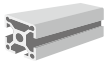







| Name | Tapping Bolt L40 |
|---|---|
| Item No. | SFB-T40 |

■Usable Frame



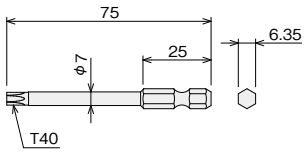
SF-40·40(1F/2F/3F/2H)
SF-40·80(1F)

■Material/Technical Data

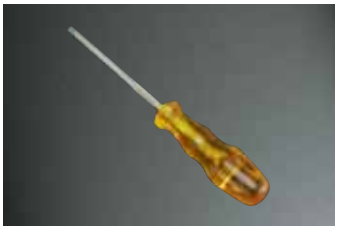
Material SAE1022Si
Uni-Chrome Plating
Weight 31g
Environment **RoHS** Compliant
**Green** Procurement

## Torque Bit T40 / Torque Driver T40






Weight 20g

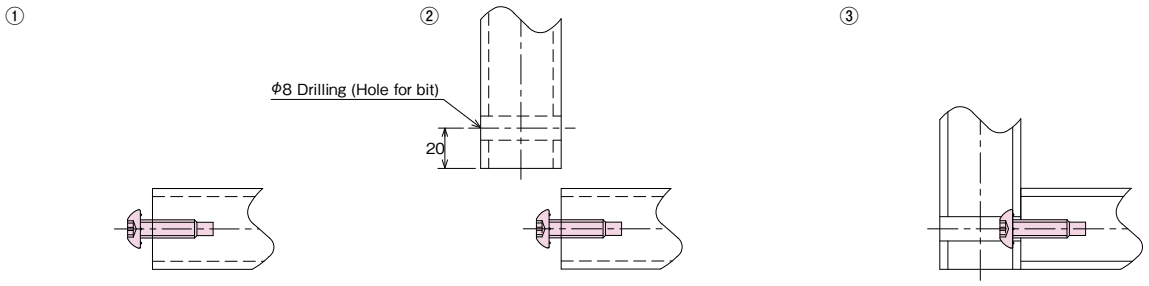


Weight 126g

| Name | Torque Bit T40 |
|---|---|
| Item No. | SFA-JT40 |

| Name | Torque Driver T40 |
|---|---|
| Item No. | SFA-T40H |

### How to fix Tapping Bolt




① Fix the frame with jig etc, and screw the Tapping Bolt halfway into the end face. (Temporary joint)
※ In case it is too tight, please use cutting oil.

② Put the bolt head through T slot of another frame.

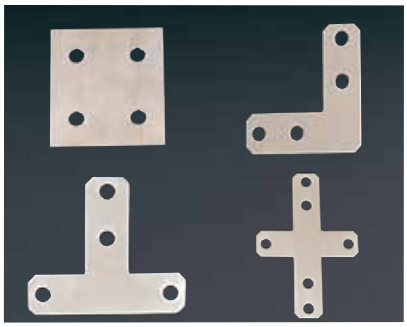
③ Tighten by Manual tool to fix.
※Manual tool is recommended, because the reaction of torque up is big by using electric drill.

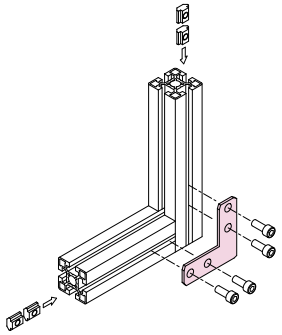
GO ●Drillid by SUS
Processing Symbol P212～



Example of order
Parts
How to order
Item No.
SFB-T40
Quantity (pcs)
□□

# Plate Bracket L





■Usable Frame

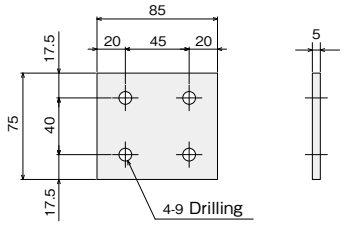


Compatible to all SF40 and 45 series
(Groove Width 10mm)
〈SF-60・60・1S, SF-40・DE※, SF-45・DE※excluded〉

■Material/Technical Data

| Name | Weight(g) | Material | Environment |
|---|---|---|---|
| Plate Bracket LG | 242 | SUS304 | ★RoHS Compliant ★Green Procurement |
| Plate Bracket L-L | 89 | SPCC Uni-chrome | |
| S Plate Bracket L-L | 89 | SUS304 | |
| Plate Bracket L-T | 103 | SPCC Uni-chrome | |
| S Plate Bracket L-T | 103 | SUS304 | |
| Plate Bracket L-+ | 140 | SPCC Uni-chrome | |
| S Plate Bracket L-+ | 140 | SUS304 | |

## S Plate Bracket LG

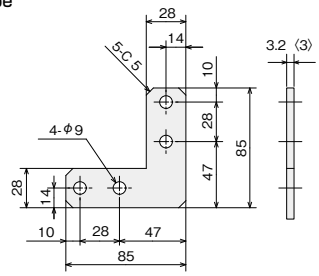



t = 5

■Kit Contents
〈Plate Bracket LG Kit〉
●Plate Bracket LG×1
●Hexagon Socket Bolt (M8×15)Stainless×4
●ST Nut L(M8)×4

| Name | S Plate Bracket LG | S Plate Bracket LG Kit |
|---|---|---|
| Item No. | ★SFJ-123S | ★SFK-123S |

## Plate Bracket L-L Type

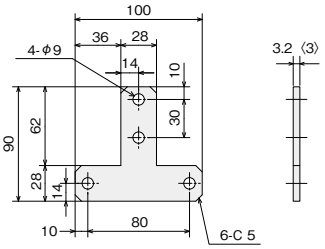



t = 3.2

■Kit Contents
〈Plate Bracket L-L Type Kit〉
●Plate Bracket L-L×1
●Hexagon Socket Bolt (M8×15)×4
●T Nut L(M8)×4
〈S Plate Bracket L-L Type Kit〉
●S Plate Bracket L-L×1
●Hexagon Socket Bolt(M8×15)Stainless×4
●ST Nut L(M8)×4

| Name | Plate Bracket L-L Type 〈S Plate Bracket L-L Type〉 | Plate Bracket L-L Type Kit 〈S Plate Bracket L-L Type Kit〉 |
|---|---|---|
| Item No. | ★SFJ-106〈★SFJ-106S〉 | ★SFK-106〈★SFK-106S〉 |

## Plate Bracket L-T Type

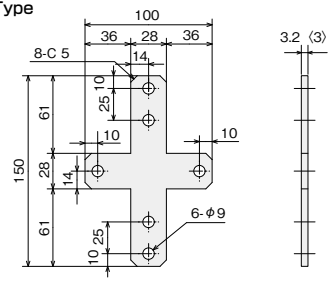



t = 3.2

■Kit Contents
〈Plate Bracket L-T Type Kit〉
●Plate Bracket L-T×1
●Hexagon Socket Bolt (M8×15)×4
●T Nut L(M8)×4
〈S Plate Bracket L-T Type Kit〉
●S Plate Bracket L-T×1
●Hexagon Socket Bolt(M8×15)Stainless×4
●ST Nut L(M8)×4

| Name | Plate Bracket L-T Type 〈S Plate Bracket L-T Type〉 | Plate Bracket L-T Type Kit 〈S Plate Bracket L-T Type Kit〉 |
|---|---|---|
| Item No. | ★SFJ-107〈★SFJ-107S〉 | ★SFK-107〈★SFK-107S〉 |

## Plate Bracket L-+ Type




t = 3.2

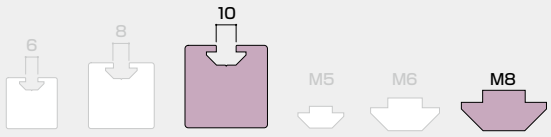
■Kit Contents
〈Plate Bracket L-+ Type Kit〉
●Plate Bracket L-+×1
●Hexagon Socket Bolt (M8×15)×6
●T Nut L(M8)×6
〈S Plate Bracket L-+ Type Kit〉
●S Plate Bracket L-T×1
●Hexagon Socket Bolt(M8×15)×6
●ST Nut L(M8)×6

| Name | Plate Bracket L-+ Type 〈S Plate Bracket L-+ Type〉 | Plate Bracket L-+ Type Kit 〈S Plate Bracket L-+ Type Kit〉 |
|---|---|---|
| Item No. | ★SFJ-108〈★SFJ-108S〉 | ★SFK-108〈★SFK-108S〉 |

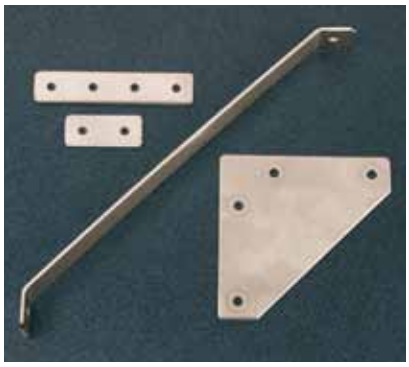
We sell Nut Material and Bracket Material as well.
T Nut L Material P99
●Hard Bracket L Material
●Angle Bracket L Material

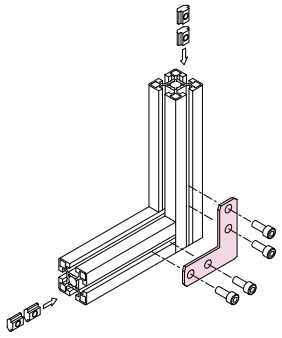
Material Frame

# SF40・45 SERIES




## S Plate Bracket





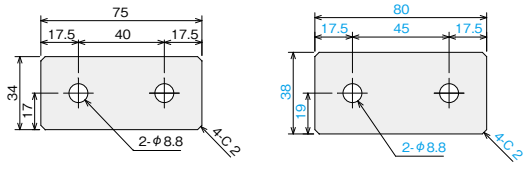
■Usable Frame

Compatible to all SF40 and 45 series
(Groove Width 10mm)
〈SF-60·60-1S, SF-40·DE※, SF-45·DE※excluded〉

■Material/Technical Data

| Name | Weight(g) | Material | Environment |
|---|---|---|---|
| S Plate Bracket L40-H2 | 57.6 | SUS304 | RoHS Compliant Green Procurement |
| S Plate Bracket L45-H2 | 69.2 | | |
| S Plate Bracket L40-H4 | 119.4 | | |
| S Plate Bracket L45-H4 | 147.7 | | |
| S Corner Support Bracket L | 570.6 | | |
| S Corner Support Plate L | 374.4 | | |

### S Plate Bracket L40-H2　S Plate Bracket L45-H2

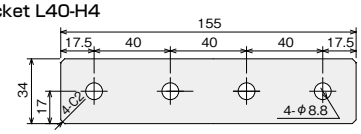



t = 3

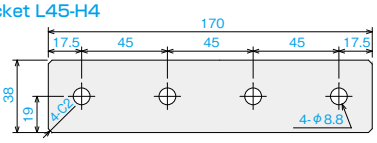
■Kit Contents
〈Plate Bracket L40〈L45〉 -H2 Kit〉
●Plate Bracket L40-H2〈or L45-H2〉×1
●Hexagon Socket Bolt(M8×15)Stainless×2
●ST Nut L(M8)×2

| Name | S Plate Bracket L40-H2 〈S Plate Bracket L45-H2〉 | S Plate Bracket L40-H2 Kit 〈S Plate Bracket L45-H2 Kit〉 |
|---|---|---|
| Item No. | SFJ-126S〈SFJ-127S〉 | SFK-126S〈SFK-127S〉 |

### S Plate Bracket L40-H4




### S Plate Bracket L45-H4

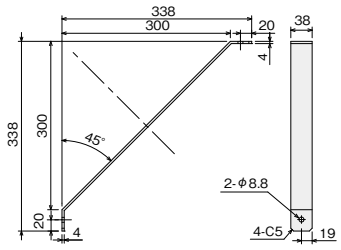



t = 3

■Kit Contents
〈Plate Bracket L40〈L45〉 -H4 Kit〉
●Plate Bracket L40-H4〈or L45-H4〉×1
●Hexagon Socket Bolt(M8×15)Stainless×4
●ST Nut L(M8)×4

| Name | S Plate Bracket L40-H4 〈S Plate Bracket L45-H4〉 | S Plate Bracket L40-H4 Kit 〈S Plate Bracket L45-H4 Kit〉 |
|---|---|---|
| Item No. | SFJ-131S〈SFJ-132S〉 | SFK-131S〈SFK-132S〉 |

### S Corner Support Bracket L

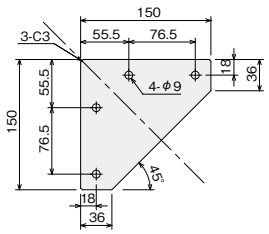



t = 4

■Kit Contents
〈Corner Support Bracket L Kit〉
●Corner Support Bracket L×1
●Hexagon Socket Bolt(M8×15)Stainless×2
●ST Nut L(M8)×2

| Name | S Corner Support Bracket L | S Corner Support Bracket L Kit |
|---|---|---|
| Item No. | SFJ-133S | SFK-133S |

### S Corner Support Plate L




t = 3

■Kit Contents
〈Corner Support Plate L Kit〉
●Corner Support Plate L×1
●Hexagon Socket Bolt(M8×15)Stainless×4
●ST Nut L(M8)×4

| Name | S Corner Support Plate L | S Corner Support Plate L Kit |
|---|---|---|
| Item No. | SFJ-138S | SFK-138S |



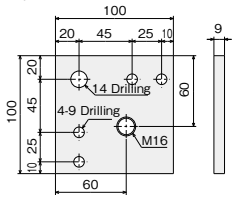
Example of order
Parts
How to order
Item No.
SFJ-126S
Quantity (pcs)
□□

# Adjuster Kit



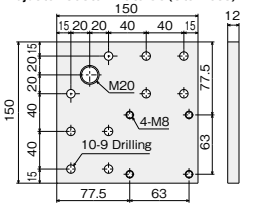
## ■Plate

### Adjuster Plate L / Adjuster Plate L(Stainless)



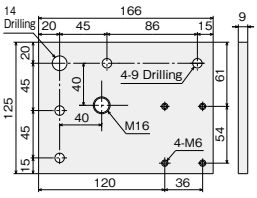

| | Material | Treatment | Weight |
|---|---|---|---|
| Adjuster Plate L | SS400 | Uni-Chrome | 0.65kg |
| Adjuster Plate L(Stainless) | SUS304 | — | 0.66kg |

### Adjuster Caster Plate 80 / Adjuster Caster Plate 80(Stainless)



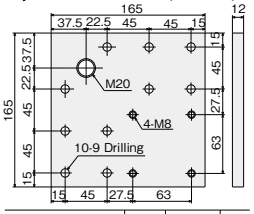

| | Material | Treatment | Weight |
|---|---|---|---|
| Adjuster Caster Plate 80 | SS400 | Uni-Chrome | 2kg |
| Adjuster Caster Plate 80(Stainless) | SUS304 | — | 2.02kg |

### Adjuster Caster Plate L



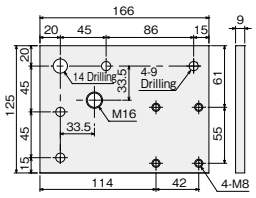

| | Material | Treatment | Weight |
|---|---|---|---|
| Adjuster Caster Plate L | SS400 | Uni-Chrome | 1.03kg |

### Adjuster Caster Plate 90 / Adjuster Caster Plate 90(Stainless)




| | Material | Treatment | Weight |
|---|---|---|---|
| Adjuster Caster Plate 90 | SS400 | Uni-Chrome | 2.5kg |
| Adjuster Caster Plate 90(Stainless) | SUS304 | — | 2.53kg |

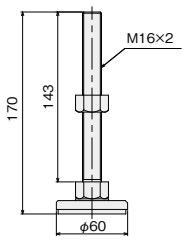
### Adjuster Caster Plate L(Stainless)




| | Material | Treatment | Weight |
|---|---|---|---|
| Adjuster Caster Plate L(Stainless) | SUS304 | — | 1.04kg |

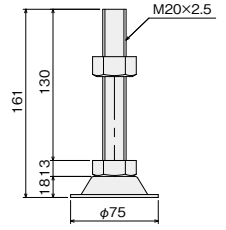
## ■Adjuster

### Adjuster M16



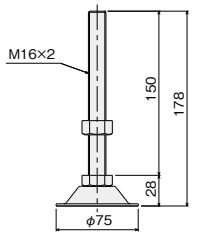

| | Material | Treatment | Load Capacity | Weight | Bottom |
|---|---|---|---|---|---|
| Adjuster M16 | SS400 | Zn Black | 500kg | 386g | Neoprene Rubber |

### Adjuster BM20(Stainless)



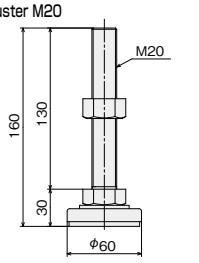

| | Material | Treatment | Load Capacity | Weight |
|---|---|---|---|---|
| Adjuster BM20(Stainless) | SUS304 | Electrolytic Polishing | 880kg | 540g |

### Adjuster BM16(Stainless)




| | Material | Treatment | Load Capacity | Weight |
|---|---|---|---|---|
| Adjuster BM16(Stainless) | SUS304 | Electrolytic Polishing | 560kg | 375g |

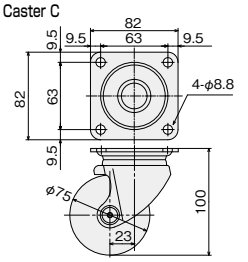
### Adjuster M20




| | Material | Treatment | Load Capacity | Weight |
|---|---|---|---|---|
| Adjuster M20 | SS400 | Zn Black | 500kg | 536g |

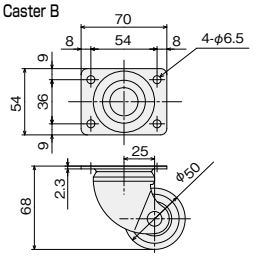
## ■Caster

### Caster C



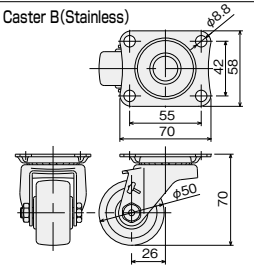

| | Material | Load Capacity | Weight |
|---|---|---|---|
| Caster C | Nylon | 300kg | 902g |

### Caster B



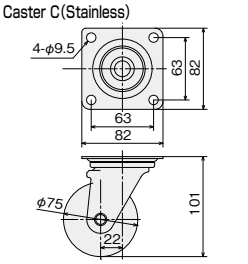

| | Material | Load Capacity | Weight |
|---|---|---|---|
| Caster B | Phenol Resin | 150kg | 340g |

### Caster B(Stainless)




| | Material | Load Capacity | Weight |
|---|---|---|---|
| Caster B(Stainless) | Phenol Resin | 71.4kg | 285g |

### Caster C(Stainless)




| | Material | Load Capacity | Weight |
|---|---|---|---|
| Caster C(Stainless) | MC Nylon | 150kg | 520g |

| | Item No. | Name | Compatible Frames | Kit Contents |
|---|---|---|---|---|
| Adjuster + Plate | SFK-501A | Level Adjuster Kit L | Compatible to all SF40 and 45 series (Groove Width 10mm) | ●Adjuster Plate L×1 ●Adjuster M16×1 ●T Nut L(M8)×4 ●Hexagon Socket Bolt(M8×20)×4 |
| | SFK-501S | Level Adjuster Kit L(Stainless) | Compatible to all SF40 and 45 series (Groove Width 10mm) | ●Adjuster Plate L(Stainless)×1 ●Adjuster BM16(Stainless)×1 ●ST Nut L(M8)×4 ●Hexagon Socket Bolt(M8×20)Stainless×4 |
| | SFK-513A | Level Adjuster Kit 80 | SF-80・80 SF-80・80・H | ●Adjuster Caster Plate 80×1 ●Adjuster M20×1 ●Flat Washer(M8)×8 ●T Nut L(M8)×8 ●Hexagon Socket Bolt(M8×25)×8 |
| | SFK-513S | Level Adjuster Kit 80(Stainless) | SF-80・80 SF-80・80・H | ●Adjuster Caster Plate 80(Stainless)×1 ●Hexagon Socket Bolt(M8×25)Stainless×8 ●ST Nut L(M8)×8 ●Adjuster BM20(Stainless)×1 ●Flat Washer(M8)Stainless×8 |
| | SFK-515 | Level Adjuster Kit 90 | SF-90・90 SF-90・90・H | ●Adjuster Caster Plate 90×1 ●Adjuster M20×1 ●Flat Washer(M8)×8 ●T Nut (M8)×8 ●Hexagon Socket Bolt(M8×25)×8 |
| | SFK-515S | Level Adjuster Kit 90(Stainless) | SF-90・90 SF-90・90・H | ●Adjuster Caster Plate 90(Stainless)×1 ●Hexagon Socket Bolt(M8×25)Stainless×8 ●ST Nut (M8)×8 ●Adjuster BM20(Stainless)×1 ●Flat Washer(M8)Stainless×8 |
| Adjuster Caster + Plate | SFK-502A | Level Adjuster Kit L with Caster | Compatible to all SF40 and 45 series (Groove Width 10mm) | ●Adjuster Caster Plate L×1 ●Caster B×1 ●Hexagon Socket Bolt(M6×10)×4 ●Adjuster M16×1 ●T Nut L(M8)×4 ●Hexagon Socket Bolt(M8×20)×4 |
| | SFK-502S | Level Adjuster Kit L with Caster(Stainless) | Compatible to all SF40 and 45 series (Groove Width 10mm)※ | ●Adjuster Caster Plate L(Stainless)×1 ●ST Nut L(M8)×4 ●Hexagon Socket Bolt(M8×12)Stainless×4 ●Adjuster BM16(Stainless)×1 ●Caster B(Stainless)×1 ●Hexagon Socket Bolt(M8×20)Stainless×4 |
| | SFK-514A | Level Adjuster Kit 80 with Caster | SF-80・80 SF-80・80・H | ●Adjuster Caster Plate 80×1 ●Adjuster M20×1 ●Hexagon Socket Bolt(M8×25)×8 ●Caster C×1 ●T Nut L(M8)×8 ●Flat Washer(M8)×8 ●Hexagon Socket Bolt(M8×12)×4 |
| | SFK-514S | Level Adjuster Kit 80 with Caster(Stainless) | SF-80・80 SF-80・80・H | ●Adjuster Caster Plate 80(Stainless)×1 ●Adjuster BM20(Stainless)×1 ●Hexagon Socket Bolt(M8×25)Stainless×8 ●Caster C(Stainless)×1 ●ST Nut L(M8)×8 ●Flat Washer(M8)Stainless×8 ●Hexagon Socket Bolt(M8×12)Stainless×4 |
| | SFK-516 | Level Adjuster Kit 90 with Caster | SF-90・90 SF-90・90・H | ●Adjuster Caster Plate 90×1 ●Adjuster M20×1 ●Hexagon Socket Bolt(M8×25)×8 ●Caster C×1 ●T Nut L(M8)×8 ●Flat Washer(M8)×8 ●Hexagon Socket Bolt(M8×12)×4 |
| | SFK-516S | Level Adjuster Kit 90 with Caster(Stainless) | SF-90・90 SF-90・90・H | ●Adjuster Caster Plate 90(Stainless)×1 ●Adjuster BM20(Stainless)×1 ●Hexagon Socket Bolt(M8×25)×8 ●Caster C(Stainless)×1 ●ST Nut L(M8)×8 ●Flat Washer(M8)Stainless×8 ●Hexagon Socket Bolt(M8×12)×4 |

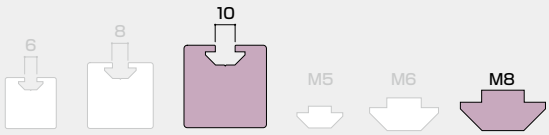
We sell Nut Material and Bracket Material as well.

T Nut L Material P99

●Hard Bracket L Material
●Angle Bracket L Material


Material Frame

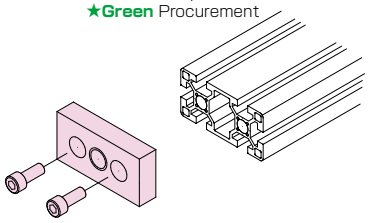
# SF40・45 SERIES



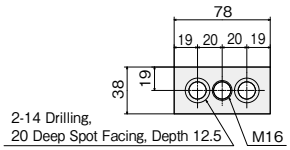

## Foot Base



Environment ★RoHS Compliant
★Green Procurement



### Foot Base 4080




t=16

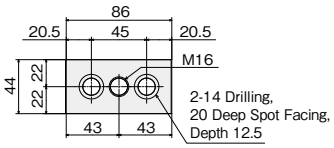
■Usable Frame — SF-40·80



〈Material〉

| | |
|---|---|
| Foot Base 4080 | SS400 Uni-Chrome Plating<br>2 Hexagon Socket Bolts (M12×25) Included<br>Weight/274g |
| Foot Base 4080 (Stainless) | SUS304<br>2 Hexagon Socket Bolts (M12×25) Stainless Included<br>Weight/276g |

### Foot Base 4590




t=16

■Usable Frame — SF-45·90

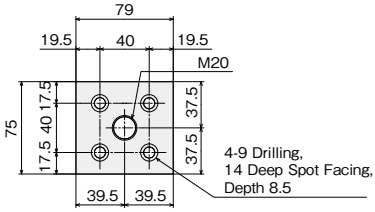


〈Material〉

| | |
|---|---|
| Foot Base 4590 | SS400 Uni-Chrome Plating<br>2 Hexagon Socket Bolts (M12×25) Included<br>Weight/371g |
| Foot Base 4590 (Stainless) | SUS304<br>2 Hexagon Socket Bolts (M12×25) Stainless Included<br>Weight/374g |

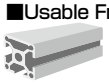
| Name | Foot Base 4080〈Foot Base 4080(Stainless)〉 | Foot Base 4590〈Foot Base 4590(Stainless)〉 |
|---|---|---|
| Item No. | ★SFK-57A〈★SFK-57AS〉 | ★SFK-60A〈★SFK-60AS〉 |

### Foot Base 8080




t=16

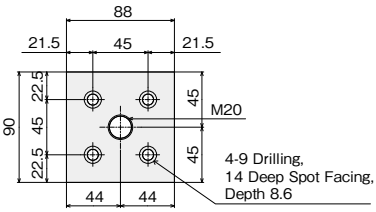
■Usable Frame — SF-80·80/H



〈Material〉

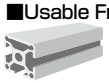
| | |
|---|---|
| Foot Base 8080 | SS400 Uni-Chrome Plating<br>4 Hexagon Socket Bolts (M8×25) Included<br>Weight/625g |
| Foot Base 8080 (Stainless) | SUS304<br>4 Hexagon Socket Bolts (M8×25) Stainless Included<br>Weight/631g |

### Foot Base 9090




t=16

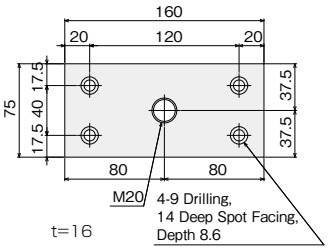
■Usable Frame — SF-90·90/H



〈Material〉

| | |
|---|---|
| Foot Base 9090 | SS400 Uni-Chrome Plating<br>4 Hexagon Socket Bolts (M8×25) Included<br>Weight/861g |
| Foot Base 9090 (Stainless) | SUS304<br>4 Hexagon Socket Bolts (M8×25) Stainless Included<br>Weight/869g |

### Foot Base 80160




t=16

■Usable Frame — SF-80·160

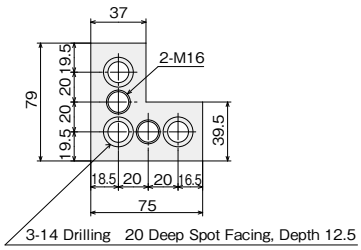


〈Material〉

| | |
|---|---|
| Foot Base 80160 | SS400 Uni-Chrome Plating<br>4 Hexagon Socket Bolts (M8×25) Included<br>Weight/1417g |
| Foot Base 80160 (Stainless) | SUS304<br>4 Hexagon Socket Bolts (M8×25) Stainless Included<br>Weight/1431g |

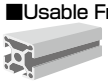
| Name | Foot Base 8080〈Foot Base 8080(Stainless)〉 | Foot Base 9090〈Foot Base 9090(Stainless)〉 | Foot Base 80160〈Foot Base 80160(Stainless)〉 |
|---|---|---|---|
| Item No. | ★SFK-59A〈★SFK-59AS〉 | ★SFK-54A〈★SFK-54AS〉 | ★SFK-72A〈★SFK-72AS〉 |

### Foot Base 408080




t=16

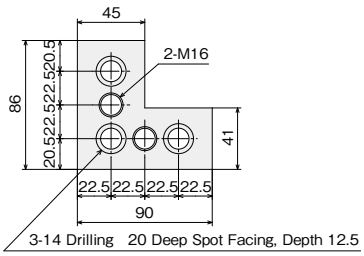
■Usable Frame — SF-40·80·80



〈Material〉

| | |
|---|---|
| Foot Base 408080 | SS400 Uni-Chrome Plating<br>3 Hexagon Socket Bolts (M12×25) Included<br>Weight/383g |
| Foot Base 408080 (Stainless) | SUS304<br>3 Hexagon Socket Bolts (M12×25) Stainless Included<br>Weight/387g |

### Foot Base 459090




t=16

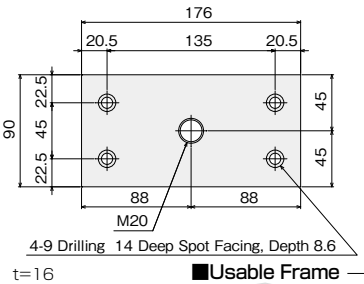
■Usable Frame — SF-45·90·90



〈Material〉

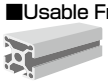
| | |
|---|---|
| Foot Base 459090 | SS400 Uni-Chrome Plating<br>3 Hexagon Socket Bolts (M12×25) Included<br>Weight/541g |
| Foot Base 459090 (Stainless) | SUS304<br>3 Hexagon Socket Bolts (M12×25) Stainless Included<br>Weight/546g |

### Foot Base 90180




t=16

■Usable Frame — SF-90·180



〈Material〉

| | |
|---|---|
| Foot Base 90180 | SS400 Uni-Chrome Plating<br>4 Hexagon Socket Bolts (M8×30) Included<br>Weight/1899g |
| Foot Base 90180 (Stainless) | SUS304<br>4 Hexagon Socket Bolts (M8×30) Stainless Included<br>Weight/1918g |

| Name | Foot Base 408080〈Foot Base 408080(Stainless)〉 | Foot Base 459090〈Foot Base 459090(Stainless)〉 | Foot Base 90180〈Foot Base 90180(Stainless)〉 |
|---|---|---|---|
| Item No. | ★SFK-65A〈★SFK-65AS〉 | ★SFK-66A〈★SFK-66AS〉 | ★SFK-73A〈★SFA-73AS〉 |

Parts How to order

Example of order

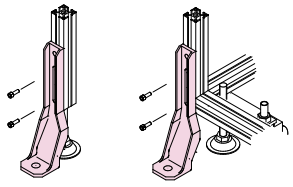
Item No. SFK-57A

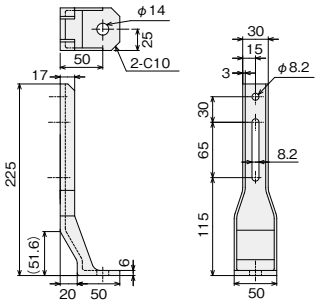
Quantity (pcs) □□

# Anchor Bracket





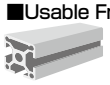





| Name(Single Item) | Anchor Bracket<br>〈Anchor Bracket (Electroless Nickel Plating)〉 |
|---|---|
| Item No. | SFJ-70A〈SFJ-70AS〉 |

| Name(Bolt and Nut Kit) | Anchor Kit L<br>〈Anchor Kit L(Electroless Nickel Plating)〉 |
|---|---|
| Item No. | SFK-71A〈SFK-71AS〉 |

■Usable Frame



SF40・45 series (Groove Width 10mm)
※2F Frame excluded

■Kit Contents

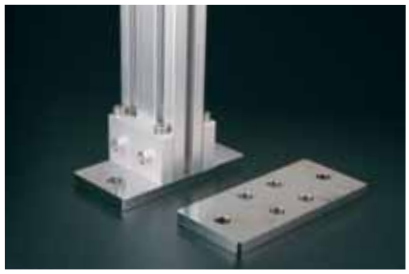
- Anchor Bracket ×1
- T Nut L(M8)×2
- Hexagon Socket Bolt (M8×18)×2

※(Electroless Nickel Plating)Kit Bolt and Nut in Stainless Kit are stainless.

■Material/Technical Data

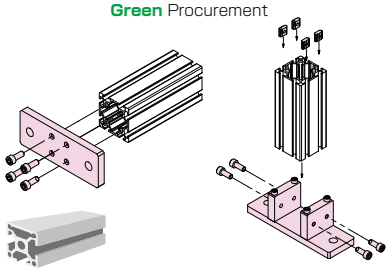
| | Anchor Bracket | Anchor Bracket (Electroless Nickel Plating) |
|---|---|---|
| Material | S45C<br>Anion Electrodeposition Black Coating | S45C<br>Electroless Nickel Plating |
| Weight | 577g | 577g |
| Environment | RoHS Compliant<br>Green Procurement | |

# Anchor Plate / Anchor Plate Bracket



[Left]Anchor Plate Bracket Kit [Right]Anchor Plate

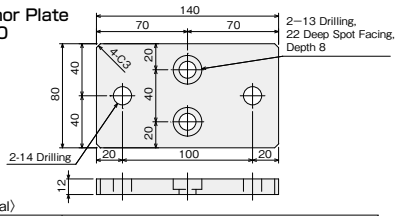
Environment RoHS Compliant
Green Procurement



■Usable Frame

(Anchor Plate 4080)SF-40・80, (Anchor Plate 4590)SF-45・90
(Anchor Plate 8080)SF-80・80, (Anchor Plate 9090)SF-90・90

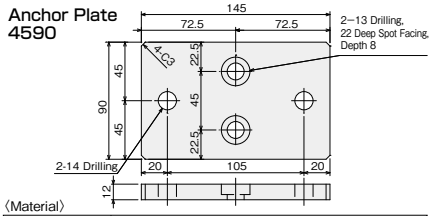
Anchor Plate 4080




〈Material〉

| | |
|---|---|
| Anchor Plate 4080 | SUS304<br>With 4 Hexagon Socket Bolts (M12×35)Stainless<br>Weight/1049g |

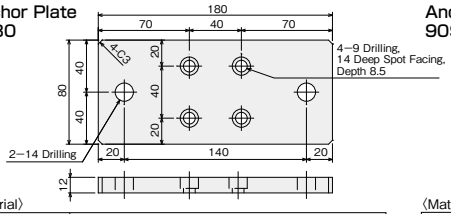
Anchor Plate 4590




〈Material〉

| | |
|---|---|
| Anchor Plate 4590 | SUS304<br>With 4 Hexagon Socket Bolts (M12×35)Stainless<br>Weight/1224g |

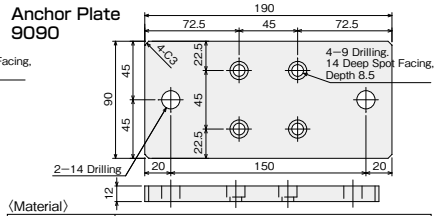
Anchor Plate 8080




〈Material〉

| | |
|---|---|
| Anchor Plate 8080 | SUS304<br>With 4 Hexagon Socket Bolts (M8×25)Stainless<br>Weight/1345g |

Anchor Plate 9090

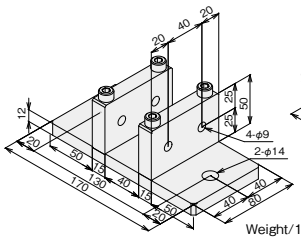



〈Material〉

| | |
|---|---|
| Anchor Plate 9090 | SUS304<br>With 4 Hexagon Socket Bolts (M8×25)Stainless<br>Weight/1601g |

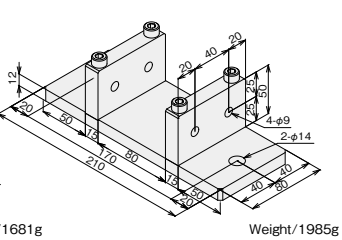
| Name | Anchor Plate 4080 | Anchor Plate 4590 | Anchor Plate 8080 | Anchor Plate 9090 |
|---|---|---|---|---|
| Item No. | SFK-75A | SFK-76A | SFK-77A | SFK-78A |

Anchor Plate Bracket 4080 Kit




Weight/1681g

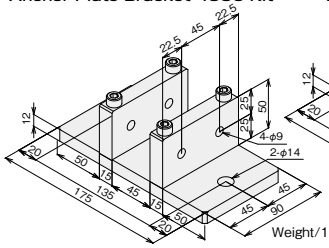
Anchor Plate Bracket 8080 Kit




Weight/1985g

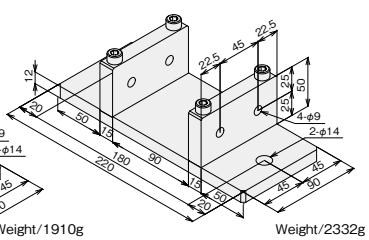
〈Material〉Base／SUS304, Anchor Block ／A6063(Alumite Treatment)

Anchor Plate Bracket 4590 Kit



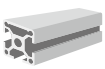

Weight/1910g

Anchor Plate Bracket 9090 Kit




Weight/2332g

〈Material〉Base／SUS304, Anchor Block ／A6063(Alumite Treatment)



■Usable Frame

(Anchor Plate Bracket 4080)SF-40・80
(Anchor Plate Bracket 8080)SF-80・80
(Anchor Plate Bracket 4590)SF-45・90
(Anchor Plate Bracket 9090)SF-90・90

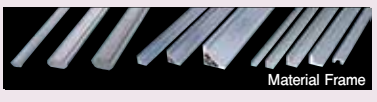
| Name | 4080 Kit | 8080 Kit | 4590 Kit | 9090 Kit |
|---|---|---|---|---|
| Item No. | SFK-75B | SFK-77B | SFK-76B | SFK-78B |

| Kit Contents | | |
|---|---|---|
| | ●Anchor Base 4080(or 8080)×1 ●Anchor Block 4080×2<br>●Hexagon Socket Bolt (M8×60)Stainless×4<br>●Hexagon Socket Bolt (M8×25)Stainless×4<br>●ST Nut L(M8)×4 ●Nut Anti-Skid Cap L40×4 | ●Anchor Base 4590(or 9090)×1 ●Anchor Block 4590×2<br>●Hexagon Socket Bolt (M8×60)Stainless×4<br>●Hexagon Socket Bolt (M8×25)Stainless×4<br>●ST Nut L(M8)×4 ●Nut Anti-Skid Cap L45×4 |

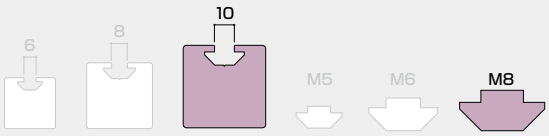
We sell Nut Material and Bracket Material as well.

T Nut L Material P99

●Hard Bracket L Material
●Angle Bracket L Material


Material Frame

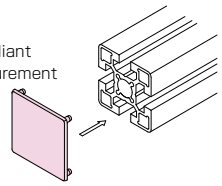
# SF40・45 SERIES



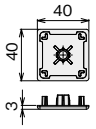

## Frame Cap



Material Polyamide
Weight In Drowing
Environment **RoHS** Compliant
**Green** Procurement



### Frame Cap N4040

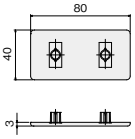



Weight/5.4g

■Usable Frame

SF-40·40, SF-40·40·1F/2F/3F/2H/SF-K·40·40

### Frame Cap 4080

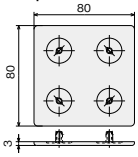



Weight/10.5g

■Usable Frame

SF-40·80, SF-40·80·1F※SF-40·160/SF-K·40·80

### Frame Cap 8080




Weight/22.1g

■Usable Frame

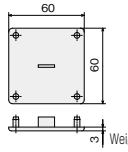
SF-80·80/H ※SF-80·160

| Name | Frame Cap 4040 (Black) | Frame Cap 4040 (Light Gray) | Frame Cap 4080 (Black) | Frame Cap 4080 (Light Gray) | Frame Cap 8080 (Black) | Frame Cap 8080 (Light Gray) |
|---|---|---|---|---|---|---|
| Item No. | SFA-034B | SFA-034G | SFA-007 | SFA-007G | SFA-008 | SFA-008G |

※Use 2 pcs for SF-40·160

※Use 2 pcs for SF-80·160

### Frame Cap 60601S

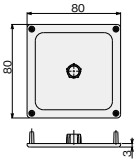



Weight/12.5g

■Usable Frame

SF-60·60·1S

### Frame Cap 80801S

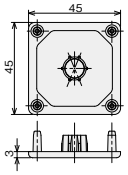



Weight/17.4g

■Usable Frame

SF-80·80·1S

### Frame Cap 4545

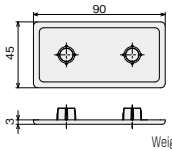



Weight/7.5g

■Usable Frame

SF-45·45/1F/2F/3F/2H, SF-K·45·45/1F/2F

### Frame Cap 4590

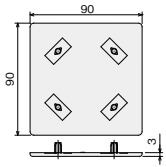



Weight/14.2g

■Usable Frame

SF-45·90/1F, SF-K·45·90※SF-45·180

### Frame Cap 9090




Weight/28.2g

■Usable Frame

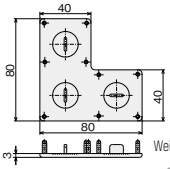
SF-90·90/H ※SF-90·180

| Name | Frame Cap 60601S (Black) | Frame Cap 60601S (Light Gray) | Frame Cap 80801S (Black) | Frame Cap 80801S (Light Gray) | Frame Cap 4545 (Black) | Frame Cap 4545 (Light Gray) | Frame Cap 4590 (Black) | Frame Cap 4590 (Light Gray) | Frame Cap 9090 (Black) | Frame Cap 9090 (Light Gray) |
|---|---|---|---|---|---|---|---|---|---|---|
| Item No. | SFA-003 | SFA-003G | SFA-030 | SFA-030G | SFA-035B | SFA-035G | SFA-004 | SFA-004G | SFA-016 | SFA-016G |

※Use 2 pcs for SF-90·180

※Use 2 pcs for SF-45·180

### Frame Cap 40·80·80

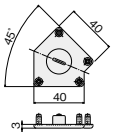



Weight/16.9g

■Usable Frame

SF-40·80·80

### Frame Cap 40·DE45

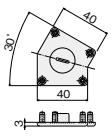



Weight/5.8g

■Usable Frame

SF-40·DE45

### Frame Cap 40·DE30

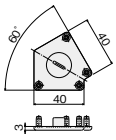



Weight/5.8g

■Usable Frame

SF-40·DE30

### Frame Cap 40·DE60

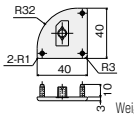



Weight/5.8g

■Usable Frame

SF-40·DE60

### Frame Cap 40·40·R



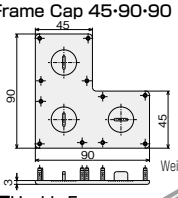

Weight/4.8g

■Usable Frame

SF-40·40·R

| Name | Frame Cap 40·80·80 (Black) | Frame Cap 40·80·80 (Light Gray) | Frame Cap 40·DE45 (Black) | Frame Cap 40·DE45 (Light Gray) | Frame Cap 40·DE30 (Black) | Frame Cap 40·DE30 (Light Gray) | Frame Cap 40·DE60 (Black) | Frame Cap 40·DE60 (Light Gray) | Frame Cap 40·40·R (Black) | Frame Cap 40·40·R (Light Gray) |
|---|---|---|---|---|---|---|---|---|---|---|
| Item No. | SFA-J9C | SFA-J9CG | SFA-J7B | SFA-J7BG | SFA-J7A | SFA-J7AG | SFA-J7C | SFA-J7CG | SFA-024 | SFA-024G |

### Frame Cap 45·90·90

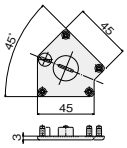



Weight/21.1g

■Usable Frame

SF-45·90·90

### Frame Cap 45·DE45

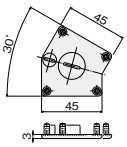



Weight/7.5g

■Usable Frame

SF-45·DE45

### Frame Cap 45·DE30

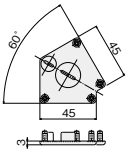



Weight/7.5g

■Usable Frame

SF-45·DE30

### Frame Cap 45·DE60

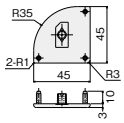



Weight/7.5g

■Usable Frame

SF-45·DE60

### Frame Cap 45·45·R




Weight/6.1g

■Usable Frame

SF-45·45·R

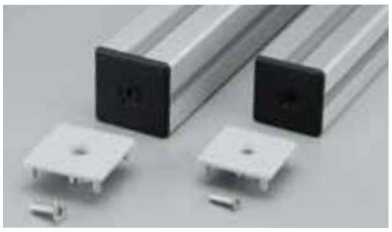
| Name | Frame Cap 45·90·90 (Black) | Frame Cap 45·90·90 (Light Gray) | Frame Cap 45·DE45 (Black) | Frame Cap 45·DE45 (Light Gray) | Frame Cap 45·DE30 (Black) | Frame Cap 45·DE30 (Light Gray) | Frame Cap 45·DE60 (Black) | Frame Cap 45·DE60 (Light Gray) | Frame Cap 45·45·R (Black) | Frame Cap 45·45·R (Light Gray) |
|---|---|---|---|---|---|---|---|---|---|---|
| Item No. | SFA-J9D | SFA-J9DG | SFA-J8B | SFA-J8BG | SFA-J8A | SFA-J8AG | SFA-J8C | SFA-J8CG | SFA-025 | SFA-025G |

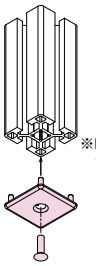


Example of order

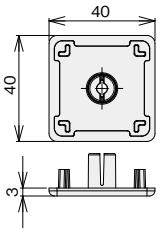
**Parts**
How to order
Item No.
**SFA-034B**
Quantity (pcs)
□□

# Frame Cap Lock Type N4040 / 4045

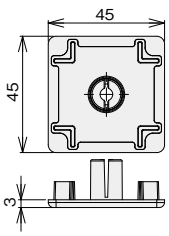




※Provided bolt enabled to lock without Tap Processing to Frame.




■Usable Frame
SF-40·40




■Usable Frame
SF-45·45

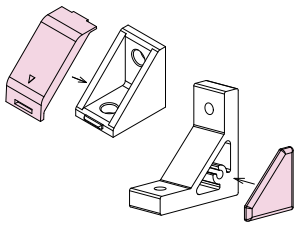
Material Polyamide(Cap), SWCH10R(Screw), Chromate Black or Stainless(Screw)
Weight 7.3g(4040), 10.2g(4545)
Environment **RoHS** Compliant **Green** Procurement

| Name | Frame Cap Lock Type N4040(Black)※1 | Frame Cap Lock Type 4040(Light Gray)※2 | Frame Cap Lock Type 4545(Black)※3 | Frame Cap Lock Type 4545(Light Gray)※4 |
|---|---|---|---|---|
| Item No. | SFK-06LB | SFK-06LG | SFK-07LB | SFK-07LG |

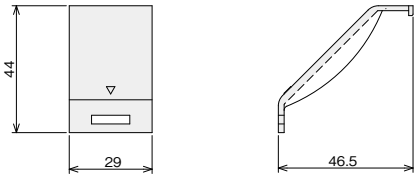
※1 With Small Flat Screw with Cross Hole (M5×16) Chromate Black
※2 With Small Flat Screw with Cross Hole (M5×16) Stainless
※3 With Small Flat Screw with Cross Hole (M6×18) Chromate Black
※4 With Small Flat Screw with Cross Hole (M6×18) Stainless

# D Bracket Cap L / Hard Bracket Cap / G Cap





D Bracket Cap L

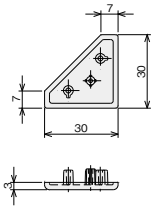



| Name | D Bracket Cap L(Black) | D Bracket Cap L(Light Gray) |
|---|---|---|
| Item No. | SFA-J14 | SFA-J14G |

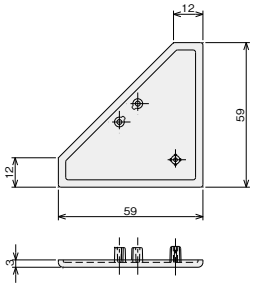
| Name | Hard Bracket Cap(Black) | Hard Bracket Cap(Light Gray) |
|---|---|---|
| Item No. | SFA-J11 | SFA-J11G |

| Name | Hard Bracket G Cap(Black) | Hard Bracket G Cap(Light Gray) |
|---|---|---|
| Item No. | SFA-J12 | SFA-J12G |

Hard Bracket Cap




Hard Bracket G Cap




■Usable Frame

〈D Bracket Cap L〉
D Bracket L

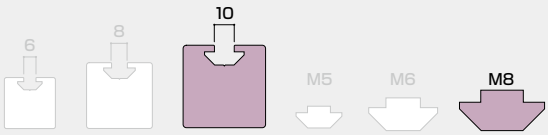
〈Hard Bracket Cap〉
Hard Bracket L/Black
L4080/Black
L4590/Black

〈Hard Bracket G Cap〉
Hard Bracket LG/Black
G80/Black
G90/Black
G80160
G90180

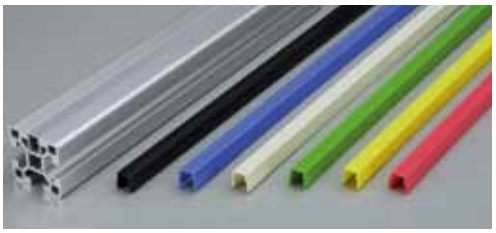
■Material/Technical Data
Material Polyamide
Weight 6.0g(D Bracket Cap L)
1.8g(Hard Bracket Cap)
6.1g(Hard Bracket G Cap)
Environment **RoHS** Compliant
**Green** Procurement

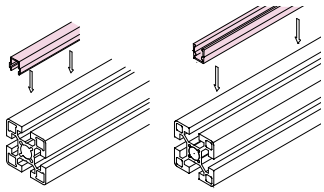
We sell Nut Material and Bracket Material as well.
T Nut L Material P99
●Hard Bracket L Material
●Angle Bracket L Material
Material Frame

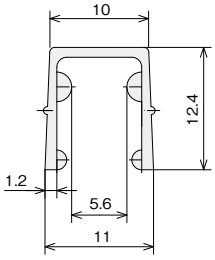
# SF40・45 SERIES




## Slot Cap








| Name | Slot Cap L(ℓ=2000) (Black) | (Light Gray) |
|---|---|---|
| Item No. | SFA-102 | SFA-102G |

| Name | Slot Cap L(ℓ=2000) (Blue) | (Ivory) | (Green) | (Yellow) | (Red) |
|---|---|---|---|---|---|
| Item No. | SFA-102L | SFA-102V | SFA-102M | SFA-102Y | SFA-102R |

■Material/Technical Data

Material Polyethylene
Weight 46g/m
Environment **RoHS** Compliant
**Green** Procurement

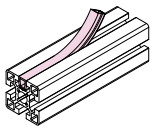
■Usable Frame

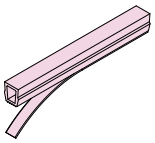


Compatible to all SF40 and 45 series (Groove Width 10mm)

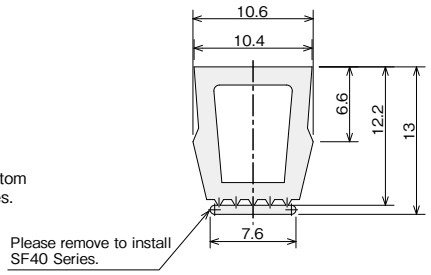
## Slot Seal







※Please remove the bottom part to install SF40 Series.

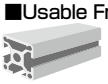



| Name | Slot Seal L(ℓ=5000) |
|---|---|
| Item No. | SFA-172 |

■Material/Technical Data

Material Elastomer
Weight 68g/m
Environment **RoHS** Compliant
**Green** Procurement

■Usable Frame



Compatible to all SF40 and 45 series (Groove Width 10mm)



Example of order

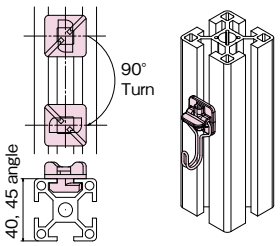
**Parts**
How to order
Item No.
**SFA-102**

Quantity (pcs)

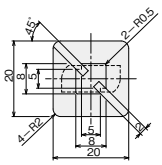
・Exclusive Cutter for Slot Cap and Slot Seal is available.

# Cable Clamp L / Slot Hook / Slot Hook L (U), (J)

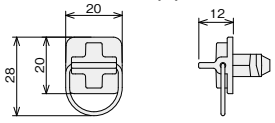




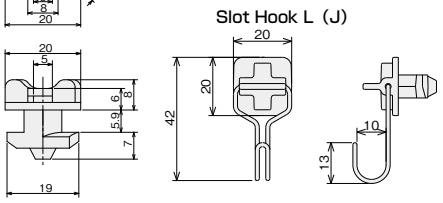

Cable Clamp L




Slot Hook L (U)




Slot Hook L (J)




| Name | Cable Clamp L(50 pcs/Pack) (Black) | (Light Gray) |
|---|---|---|
| Item No. | C1P-B12C | C1P-012C |

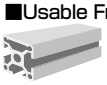
| Name | Slot Hook L(U) | Slot Hook L(J) |
|---|---|---|
| Item No. | SFK-K33U | SFK-K33J |

■Material/Technical Data

| | Cable Clamp L | Slot Hook L (U), (J) |
|---|---|---|
| Material | Polyamide | Polyamide |
| Weight | 2.5g/pcs | 3.7g(U)<br>4.5g(J) |
| | | Load Capacity 2kg |

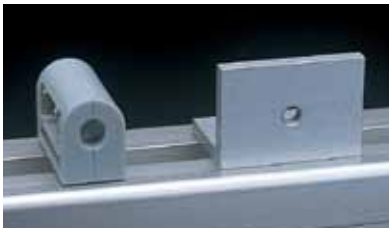
Environment **RoHS** Compliant
**Green** Procurement

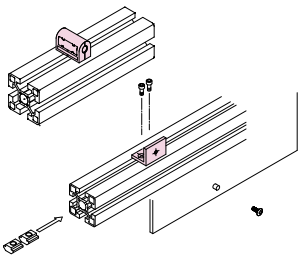
■Usable Frame



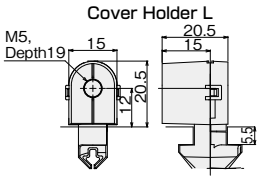
Compatible to all SF40 and 45 series
(Groove Width 10mm)

# Cover Holder L / Cover Support L6

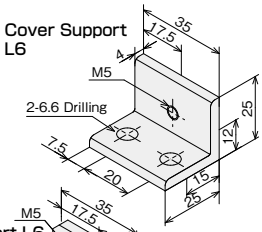




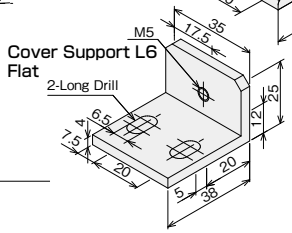
Cover Holder L




Cover Support L6




Cover Support L6 Flat




| Name(Single Item) | Cover Holder L | Cover Support L6 | Cover Support L6 Flat |
|---|---|---|---|
| Item No. | ★SFA-KH7 | ★SFJ-K04 | ★SFJ-K14 |

| Name(Bolt and Nut Kit) | Cover Support L6 Kit (Cover Support L6(Stainless)Kit) | Cover Support L6 Flat Kit (Cover Support L6 Flat (Stainless) Kit) |
|---|---|---|
| Item No. | ★SFK-K04〈★SFK-K04S〉 | ★SFK-K14〈★SFK-K14S〉 |

■Usable Frame



Compatible to all SF40 and 45 series
(Groove Width 10mm)

■Kit Contents

〈Cover Support L6 Kit〉
- Cover Support L6×1
- T Nut L(M6)×2
- Truss screw(M5×10)×1
- Hexagon Socket Bolt (M6×15)×2

〈Cover Support L6 Flat Kit〉
- Cover Support L6 Flat×1
- T Nut L(M6)×2
- Truss screw(M5×10)×1
- Hexagon Socket Bolt (M6×15)×2

※Bolt and Nut in (Stainless) Kit are stainless.

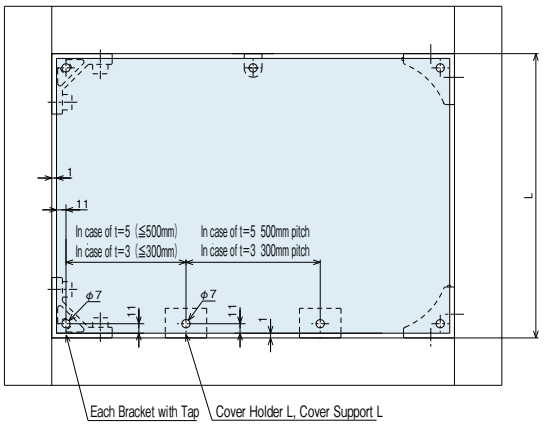
■Material/Technical Data

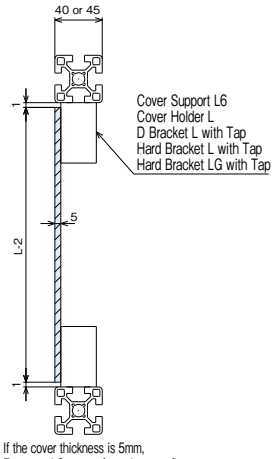
| | Cover Holder L | Cover Support L6<br>Cover Support L6 Flat |
|---|---|---|
| Material | Polyamide<br>Color/Light Gray | A6063S-T5<br>Alumite Treatment<br>(Special order:Black Alumite is available.) |
| Weight | 8g<br>※With M5 Nut | 17g(Cover Support L6)<br>21g(Cover Support L6 Flat) |

Environment ★**RoHS** Compliant
★**Green** Procurement

## How to fix Cover

〈Indication of Cover Holder, Cover Support, Resin Plate Dimension〉




If the cover thickness is 5mm,
Frame and Cover surfaces become flat.

〈Resin Plate〉



GO ●Various Resin plates are available. Refer P182~.

〈Door accessories〉



GO ●Various parts for door are available. Refer P140~.

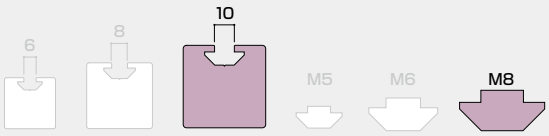
We sell Nut Material and Bracket Material as well.

T Nut L Material P99

●Hard Bracket L Material
●Angle Bracket L Material

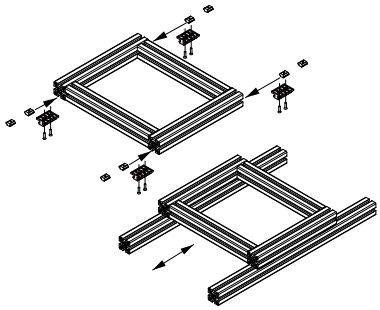


# SF40・45 SERIES

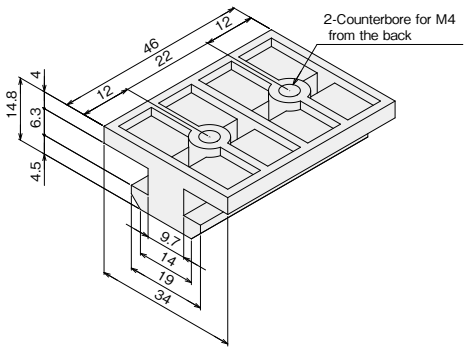



## Slider L





Slider L




| Name | Slider L |
|---|---|
| Item No. | SFA-511 |

■Usable Frame



Compatible to all SF40 and 45 series
(Groove Width 10mm)

■Material/Technical Data

Material Polyacetal(Gray)
Weight 15g
Environment **RoHS** Compliant
**Green** Procurement

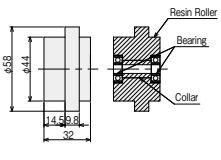
■Installation list of recommendation Bolt・Nut

| Name | Installation Frame | Recommended Bolt | Recommended Nut | Appropriate Tightening Torque(N·m) |
|---|---|---|---|---|
| Slider L | SF40·45 series | Flat Bolt with Cross Hole(M4×25) | T Nut L(M4) | 1.0 |

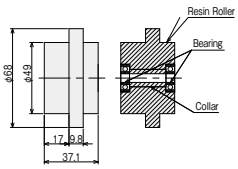
## Slot Roller L40 / L45

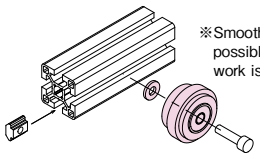


Slot Roller L40



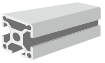

Slot Roller L45



※Smooth operation is possible because cutting work is done with Roller.

■Usable Frame



〈L40〉
Compatible to all SF40 series
(Groove Width 10mm)
〈L45〉
Compatible to all SF45 series
(Groove Width 10mm)

■Material/Technical Data

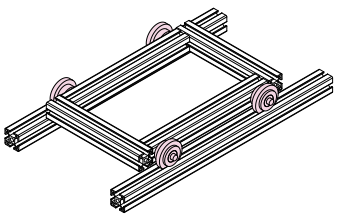
Material 6 Nylon(Resin Roller)
Steel(Bearing)
SC45C(Collar)
Weight 86.5g(L40)·120g(L45)
Environment **RoHS** Compliant
**Green** Procurement

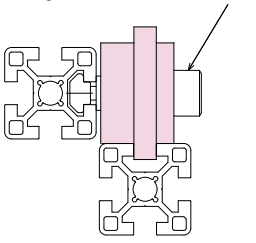
※Installation bolt size M6
※With 2 Bearings·Collar·Washer
※Appropriate Tightening Torque 9.0N·m

| Name | Slot Roller L40 | Slot Roller L45 |
|---|---|---|
| Item No. | SFK-807 | SFK-808 |

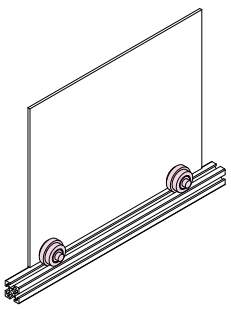
### Example of using Slot Roller L

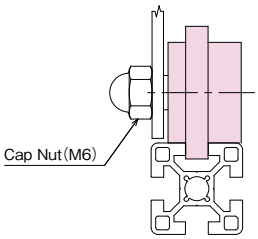
〈To frame's movable part〉






〈As door roller〉






Example of order

**Parts How to order**

Item No.
**SFA-511**

Quantity (pcs)
□□