

Tensioners for Aluminum Extrusions / Stainless Steel Wires

* Products in below have been discontinued as of December 2017. Other products will continue to be sold.

■ Tensioner for Aluminum Extrusions

WPFS
(Wire Socket)

WPTR
(Wire Socket with Tensioner)

Crisscross M8

Movable Range

Ⓜ Material: Free-Cutting Brass Ⓢ Surface Treatment: Nickel Plating

Ⓜ Can be mounted to HBLFSN5-C(P517).

■ Wire Socket and Wire Socket with Tensioner for Ø1.5 Stainless Steel Wire

Part Number	Type	No.	Mass (g)	Component			Unit Price	
				Truss Screw	Quantity	Acorn Nut		Quantity
WPFS		1.5	19	M4x25	1	M4	1	
WPTR			44					

■ WPFS (Wire Socket)

Insert Wire

Inserted fully. Cannot be pulled out in this state. (Safety Load 30kg, Shear Load 80kg)

By pressing the tip (A), the wire can be pulled out (B). (Must remove tension in order to press the wire.)

■ WPTR (Wire Socket with Tensioner)

1 Turn and extend the tensioner. Insert the wire.

2 Insert to the end. Cannot be pulled out in this state. (Safety Load 30kg, Shear Load 80kg)

3 Turn the tensioner and exert tension on the wire. Load tension within the working range of 15mm.

The state where the tension is being exerted.

Loosen by turning the tensioner.

By pressing the tip (A), the wire can be pulled out (B). (Must remove tension in order to press the wire.)

Inserting Wire

The wire is inserted with the pin side leading. Insert the wire sufficiently. The wire is gripped.

Removing Wire

When removing the wire, pull out the wire while pressing the pin.

■ Stainless Steel Wires

WPS
WPFS

WPST
WPSTF

Ⓜ Material: 304 Stainless Steel 7x7 Strands

Wire Diameter (mm)	Allowable Load (kg)	Tensile Load Test Result *2	
		Max. Load (kgf)	Displacement (mm)
1.50	30	84.8-95.7	10-11(80kgf)

*1 The allowable load is the Static Load Limit x 1/3. Depending on usage, consider applying safety factor up to 1/5.
*2 Result obtained by Tokyo Metropolitan Industrial Technology Research Institute. Displacement is the value measured with 110mm distance between metals.

■ Stainless Steel Wire Standard Length

Part Number	Type	No.	Length L (m)	Mass (g)	Unit Price
WPS			1	10	WPS
WPST		1.5	10	100	

■ Stainless Steel Wire Configurable Length

Part Number	Type	No.	Length L 10mm Increment	Mass g/m	Unit Price		
					L300-1000	L1010-2000	L2010-3000
WPSF		1.5	300-3000	10			
WPSTF							

Ordering Example: Part Number WPS1.5 - L(m) 10

Days to Ship: [Configure Online](#)

Example

Both WPFS and WPTR can be mounted to the Aluminum Extrusions Bracket HBLFSN5-C(P517).

Insert the wire until the tip comes out from the inside.

Install so that the tension is exerted straight on the wire.

Assembly Fixtures / Drilling Jigs / Repair Pen

■ Assembly Fixture

HFKZG

Ordering Example: Part Number HFKZG6

Days to Ship: [Configure Online](#)

Part Number	Extrusion (Series)	Component			Unit Price	Volume Discount Rate				
		① Plate	② Wing Screw	③ Post-Assembly Fitting Nut						
HFKZG	5	HFS5	HPTSS5	1	CHOB4-8	2	HNTFSN5-4	2		
	6	HFS6	HPTSS6	1	CHOB6-12	2	HNTFSN6-6	2		
	8	HFS8	HPTSS8	1	CHOB8-15	2	HNTFSN8-8	2		
	8-45	HFS8-45	HPTSS8-45	1						

Example

Assembly Fixture sits over two extrusions (A) and (B) to make the surfaces even. Then use angle bracket if needed.

■ Drilling Jigs - Blind Joint D Hole / Wrench Hole Machining -

HFSJG

Ordering Example: Part Number HFSJG6

Days to Ship: [Configure Online](#)

Example

- Attach the Locating Plate to one of the holes on the drilling jig.
- Slide a drilling jig into the frame channel up to the Locating Plate.
- Drill a hole using the positioning jig bushing.

Part Number	Type	No.	A	B	P	H	R	D	Extrusion (Series)	Clamp Lever	Quantity	Component			Unit Price
												Nut	Screw	Locating Plate	
HFSJG	5	100	25	10	10	7.3	7.1	HFS5	CLDM5-20-Y	1	HNTTSN5-5	1			
	6	100	30	15	15	8	11.1	HFS6	CLDM6-20-M	1	HNTFSN6-6	1			
	8	110	40	20	20	8	13.1	HFS8	CLDM8-25-B	1	HNTFSN8-8	1			
	8-45	120	45	22.5	22.5	8	15.1	HFS8-45	CLDM8-25-S	1	HNTFSN8-8	2	1 pc.		

Ⓜ Material: 1018 Carbon Steel Ⓢ Surface Treatment: Black Oxide

Ordering Example: Part Number HFSJG6

Days to Ship: [Configure Online](#)

Applicable Extrusion Series	H (mm)	H1 (mm)	D Type Hole (mm)	M Type Hole (mm)	d (Wrench Hole)mm
HFS6	15	15	11.1	11.1	
HFS8	20	20	13.1	13.1	8
HFS8-45	22.5	20	15.1	13.1	

Black Anodize Spot Repair Pen

ANCPE

Part Number	Volume (ml)	Type	Feature	Color	Usage	Operating Temp. Range (°C)	How to Use / Dry Condition	Main Component	Unit Price	Volume Discount Rate
ANCPE	13	Pen	A felt-tipped pen that can quickly repair flaws on black anodized items. Repairs become less noticeable as the color is similar to that of black anodized aluminum extrusions.	Mat Black	Flaw repairs of black anodized type on aluminum extrusions. Marking on extrusions.	5-35	Shake well before use, and directly apply on the surface to repair.	Acrylic Resin	1-9 pcs	10-

Ordering Example: Part Number ANCPE

Days to Ship: [Configure Online](#)

■ Characteristic Values of ANCPE

Item	Value	
Drying Characteristics	Dry to Touch	10 minutes
	Cured Dry	50 minutes
Pencil Hardness (JIS K5400)	F	
Gasoline Resistance (Soaked in Gasoline 2 hours)	Partial Softening	
Alkali Resistance (20°C 5%NaOH 24 hours)	Normal	

* For the latest information about prices, lead times and specifications, please visit our website.