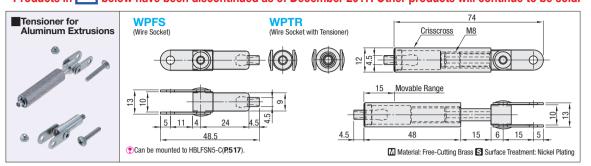
## **Tensioners for Aluminum Extrusions / Stainless Steel Wires**

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





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) 

Turn and extend the tensioner Insert the wire

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

Load tension within the working range of 15mm.

The state where the tension is being exerted.



The wire is inserted with the pin side leading, Insert the wire sufficiently

Removing Wire

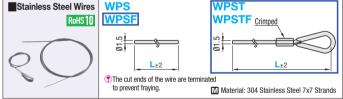


Loosen by turning the tensioner

By pressing the tip (A), the wire can be pulled out (B)



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



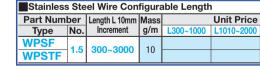
		Wire Diameter Selection Guideline *1	Tensile Load Test Result *2				
	Wire Diameter	Allowable Load		Displacement			
ı	(mm)	(kg)	(kgf)	(mm)			
	1.50	30	84.8~95.7	10~11(80kgf)			
ı	*1 The allowable load is	the Static Load Limit x 1	/3. Depending on usa	age, consider applying			

safety factor up to 1/5.

\*2 Result obtained by Tokyo Metropolitan Industrial Technology Research Institute Displacement is the value measured with 110m distance between metals.

## Stainless Steel Wire Standard Length

Part Numb	er	Length	Mass	Unit Price	
Type N		L (m)	(g)	WPS	
WPS	1.5	1	10		
WPST	1.5	10	100		







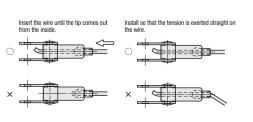






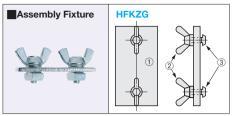
Both WPFS and WPTR can be mounted to the Aluminum Extrusions Bracket HBLFSN5-C(P.517).

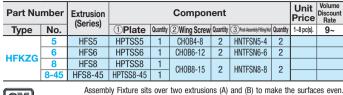




## **Assembly Fixtures / Drilling Jigs / Repair Pen**

Example



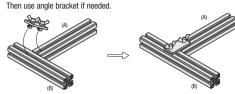




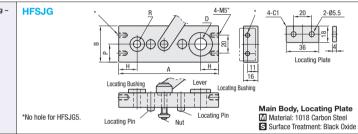
Part Number



**Configure Online** 







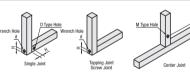
Part Nun	Part Number		Part Number		В	Р	н	R	D	Extrusion	Component			Unit Price			
Type No.		A B		ı	n	0	(Series)	Clamp Lever	Quantity	Nut	Quantity	Screw	Quantity	Locating Plate	Office Price		
	5	100	25	10	10	7.3	7.1	HFS5	CLDM5-20-Y		HNTTSN5-5		CHOB5-8	1	1 2 1 pc.		
HFSJG	6	100	30	15	15	8	11.1	HFS6	CLDM6-20-M	1	HNTFSN6-6	1		2			
пгээц	8	110	40	20	20	8	13.1	HFS8	CLDM8-25-B		HNTFSN8-8	] '					
	8-45	120	45	22.5	22.5	8	15.1	HFS8-45	CLDM8-25-S		HNTFSN8-8						



Ordering Part Number



Hole Type Hole for Joint Nut of Single Joint Holes for joint guides and joint pipes for Center Joint. M Type Wrench Hole for Tightening Screw of Joint Plate of

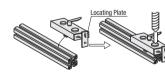




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Phone 1-800-681-7475 (1-847-843-9105)

1) Attach the Locating Plate to one of the holes on the drilling jig. 2) Slide a drilling jig into the frame channel up to the Locating Plate. 3) Drill a hole using the positioning jig bushing.



Applicable Extrusion Series	H (mm)	H1 (mm)	D Type Hole (mm)	M Type Hole (mm)	d (Wrench Hole) <b>mm</b>
HFS5	10	10	-	7.1	7.3
HFS6	15	15	11.1	11.1	
HFS8	20	20	13.1	13.1	8
HFS8-45	22.5	20	15.1	13.1	



Part Number	Volume (ml)	Туре	Feature	Color	Usage	Operating Temp. Range (°C)	How to Use / Dry Condition	Main Component	Volume Discount Rate 10~
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.		Flaw repairs of black anodized type on aluminum extrusions. Marking on extrusions.		Shake well before use, and directly apply on the surface to repair.	Acrylic Resin	
	rderin	n Pa	art Number		<b>■</b> Ch	aracteris	tic Values of	ANCPE	



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Ite	Value	
Drying Characteristics	Dry to Touch	10 minutes
	Cured Dry	50 minutes
Pencil Hardness (JIS K5400	F	
Gasoline Resistance (Soake	Partial Softening	
Alkali Resistance (20°C 5%	Normal	

<sup>\*</sup> For the latest information about prices, lead times and specifications, please visit our website.