Blind Joint Components
-Pre-Assembly Insertion Double Joint Kits-

◉ CAD Data

■**Features:** Two screws are used for connecting. Can be used to entend extrusions as well as mounting to plates. A joint type superior in mounting flexibility.

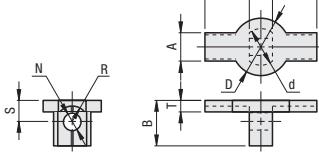### ■Pre-Assy. Insertion Double Joint Kits -Standard Type-

RoHS10

Products shown in the picture come by ordering quantity 1.

■Pre-Assy. Insertion Double Joint Kits -Eccentric Nut Type-

RoHS10

Products shown in the picture come by ordering quantity 1.
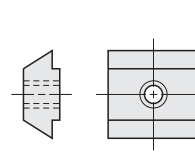
(Ref.) Corner section when using this joint

HDJSN
(1) Pre-Assembly Insertion Double Joint
HDJFSN
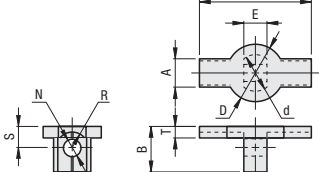(1.4401/X5CRNIMO17-12-2 Equivalent, Sintering)

(2) Pre-Assembly Insertion Nut HNTTSN
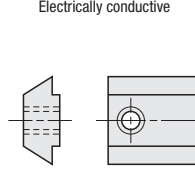(1.4401/X5CRNIMO17-12-2 Equivalent, Sintering) Electrically conductive

HDJHSN (Eccentric Nut Type)
(1) Pre-Assembly Insertion Double Joint
HDJFSN
(1.4401/X5CRNIMO17-12-2 Equivalent, Sintering)

(2) Pre-Assembly Insertion Eccentric Nut HNTHSN
(1.4401/X5CRNIMO17-12-2 Equivalent, Sintering) Electrically conductive

Pre-Assy. Insertion Double Joints table

Pre Assy. Insertion Double Joints	Part Number	Usable in any direction.	Usable in the short length direction	Usable in the long length direction	Usable in the direction where there is no nut surface at the connecting part.
HFS6 GFS6 EFS6 CAF6 HFSY6	3030	0			
	3060	0			
	3090	0			
	30120		0		
	5050	0			
	50100	0			
	100100	0			
	6060	0			
	6090	0			
	60120		0		
HFSF6 EFSF6	3030				0
	3060		0		0
	5050				0
	6060				0
HFSH6 EFSH6	3030				0
	3060		0		0
HFSL6	3030	0			
	3060	0			
HFSG6	6060	0			
	3030	0			
HFSB6 EFSB6	3060	0			
	30120	0			
	5050	0			
	6060	0			
HFSFB6 EFSFB6	3030				0
HFSLB6	3030	0			
	3060	0			
HFS8 GFS8 EFS8 CAF8 HFSY8	4040	0			
	4080	0			
	40120		0		
	40160		0		
	8080	0			
	80160		0		
HFSH8	8080	0			
HFSF8 GFSF8 EFSF8	4040				0
	4080		0		0
	8080				0
HFSH8 EFSH8	4040				0
	4080		0		0
HFSL8	4040	0			
	4080	0			
	4040	0			
	4080	0			
HFSB8 EFSB8	40120		0		
	40160		0		
	8080	0			
	80160		0		
HFSFB8	4040				0
HFSLB8	4040	0			
	4080	0			
	4545	0			
	4590	0			
	45180		0		
HFS8 GFS8 EFS8	5050	0			
	50100	0			
	6060	0			
	90180		0		
HFSF8 GFSF8 EFSF8	4545				0
	4590		0		0
	5050				0
	6060				0
HFSH8 EFSH8	4545				0
HFSL8	4545	0			
	4590	0			
HFSLF8	4545				0
	4545	0			
	4590	0			
	4545	0			
	4590	0			
HFSB8 EFSB8	5050	0			
	50100	0			
	9090	0			
	90180		0		
HFSFB8	4545				0

HDJSN6 HDJHSN6 HDJFSN6
HDJSN8 HDJHSN8 HDJFSN8
HDJSN8-45 HDJHSN8-45 HDJFSN8-45

Not applicable to extrusions not listed above.

■Pre-Assy. Insertion Double Joint Kits

Type	Part Number		(1) Pre-Assembly Insertion Double Joint (2 pcs.)	(2) Pre-Assembly Insertion Nut (2 pcs.)	(3) Hexagon Socket Head Cap Screw (2 pcs.)	€ Unit Price	Volume Discount Rate
	Type	No.	1.4401/X5CRNIMO17-12-2	1.4401	1.4301/X5CRNI18-10	1~99 pcs.	100~
Standard	**HDJSN** (1.4401/ X5CRNIMO17-12-2 Equivalent, Sintering)	6	HDJFSN6	HNTTSN6-5	SCB5-25		
		8	HDJFSN8	HNTTSN8-6	SCB6-35		
		8-45	HDJFSN8-45				
Eccentricity Nuts	**HDJHSN** (1.4401/ X5CRNIMO17-12-2 Equivalent, Sintering)	6	HDJFSN6	HNTHSN6	SCB5-25		
		8	HDJFSN8	HNTHSN8	SCB6-35		
		8-45	HDJFSN8-45				

(1) Pre-Assembly Insertion Double Joint Single Item ⓘOne set is required to connect one place.　ⓘOne set contains 2 pcs.

Part Number		L	A	B	E	T	S	N	R	d	D	€ Unit Price	Volume Discount Rate
Type	No.											1~99 Sets	100~
HDJFSN (One set contains 2 pcs.)	6	29	7.9	12	7.3	1.9	4.7	5.2	4.25	10.9	16.5		
	8	39	9.9	16	8	4	7.5	6.2	5.5	12.9	20		
	8-45	44		11.2	4.5	8			14.9				

■Pre Assy. Insertion Double Nuts for Joints

HDJRN

Ⓜ Material: 1.4301/X5CRNI18-10

Part Number		D	L	P	M	Mass (g)	€ Unit Price	Volume Discount Rate
Type	No.						1~99 pcs.	100~
HDJRN	6	11	29.8	20.6	5	43		
	8	13	39.8	25	6	52		
	8-45	15	44.8	29		56		

Part Number		Applicable		
Type	No.	Applicable Extrusion	Pre-Assembly Insertion Double Joint	Screw Fastening
HDJRN	6	HFS6-3030	HDJFSN6	CBM5-40
	8	HFS8-4040	HDJFSN8	CBM6-50
	8-45	HFS8-4545	HDJFSN8-45	CBM6-50

RoHS10

Order Example　Part Number
HDJSN8-45
HDJRN6

Days to Ship **6 Days** P.87

Example of Extrusion Connection

HFS6-3030-200-LSH (P.511)
Hole Machining on Extrusion (P.655)
HDJFSN6
HDJFSN6
CBM5-40 (P.641)
HDJRN6
HFS6-3030-200-RDH (P.511)

Example of Mounting to an Extrusion from the Bottom

HFS6-3030-200-LDH
Hole Machining on Extrusion (P.655)
CBM5-40

Example of Connection with Curved Extrusions

HDJFSN6 CBM5-40 (P.641)
HDJFSN6/ CBM5-40
HDJRN6
HFS6-3030-200-LDH (P.511)
HFSMG6-3030-A300-B300-R140-RSH (P.522)

Example

■Pre-Assembly Insertion Double Joint Connection (Connect the extrusion at the center.)

Step	Front View	Side View	Sketch Drawing
1			(2)HNTTSN6-5　Extrusion (A)　HFS6-3030-1000 (2) Pre-insert the pre-assembly insertion nuts into the extrusion (A).
2		(3)SCB5-25　Extrusion (B)　S Type Hole	Insert screw (3) in the extrusion (B) with S hole. Put the screw head through the S hole, then move the screw along the slot until the screw tip aligns with S hole.
3			Extrusion (B)　(1)HDJFSN6　Insert Pre-Assembly Double Joint (1) into the extrusion (B) where the screws were inserted.
4			(Image of inside of the slot)　Put the screw through the hole of the Pre-Assembly Double Joint in the slot of the extrusion (B).
5			Extrusion (B) HFS6-3030-800-LSH　Extrusion (A)　Place the extrusion (B) on the extrusion (A), then slide the pre-assembly insertion nut and screw from both sides and connect them to the double joint (1).
6			Tighten with a hexagonal wrench while adjusting the position.

• **How to Use Pre-Assembly Insertion Double Joint Connection at the Corner**

If HNTHSN6 is used instead of (2) HNTTSN6-5, Pre-Assembly Insertion Double Joint can be used at the corner of the extrusion.

With HNTTSN　With HNTHSN

Nuts protrude from the extrusions.

• Pre-Assembly Insertion Double Joint Kits · Eccentric Nut Type
It is used when installing brackets with angle, truss brackets and angled extrusions.
• The allowable load is the same level as when the bracket is used.

Example of mounting an extrusion on a plate.

HFS6-3030-200-LSH
HDJFSN6
2-M
P

Part Number		Extrusion Used	M	P
Type	No.			
HDJFSN	6	HFS6-3030	5	20.6
		HFS6-5050		40.6
		HFS6-6060		50.6
	8	HFS8-4040	6	25
		HFS8-8080		65
	8-45	HFS8-4545	6	29
		HFS8-5050		34
		HFS8-6060		44
		HFS8-9090		74

ⓘSame shape of different surface treatment or material can be also used.