

Knuckle Joints

Extra Short / Tool-Less

■ **Features:** Extra Short Type that can be used in a limited space is available.

■ **Extra Short**

RoHS10

Type	Material	Surface Treatment
NJCB	EN 1.1191 Equiv.	Black Oxide
NJCM	EN 1.4301 Equiv.	Electroless Nickel Plating
NJCS	EN 1.4301 Equiv.	-

Part Number	Type	M-Pitch	A	B	d	F	W	P	T	P1	a	S	S1	(C)	d1	d2	H	Mass (g)	Unit Price		
																			NJCB	NJCM	NJCS
NJCB NJCM NJCS		3-0.5	18	10.5	5	11	19	13.5	5.5	8	0.3	4	5	11.6	2.8	4.5	3	21			
		4-0.7	19	11.5		12	20.5	15		9.5			5.5	12.7				26			
		5-0.8	20				25.5	18	7.5	10.5			6	13.9				36			
		6-1.0	24	12.5	6	13	27	20	7	13			7	15.6	3.5	6.5	3.5	39			
		8-1.0	24	17	8	16	34	26	8	18			8	19.6				82			
		10-1.25	30	20.5	10	20	38	29	9	20			10	24.3	4.5	8	4.5	139			
		12-1.25	36	25	12	24	44	34	10	24			11	28.9				230			
		14-1.5	42	28.5	14	28	52	40	12	28			12	33.5	5.5	9.5	5.5	365			
		16-1.5	48	33	16	32	60	46	14	32			13	37				542			
		18-1.5	54	36	18	36	68	52	16	36			14	41.6				764			

Ordering Example
Part Number
NJCS10-1.25
NJCB18-1.5

■ **Features:**

- Compared to the conventional knuckle joints,
- ① Suitable for use in a very limited space.
- ② Supporting shaft is incorporated.
- ③ A reduced number of component parts allows easy assembly.

• Conventional Knuckle Joint

• Knuckle Joint Extra Short Type

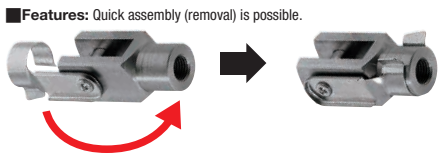
■ **Tool-Less**

RoHS10

Type Set	Material	Surface Treatment
NJUT	EN 1.1191 Equiv.	Trivalent Bright Chromate
NJUTS	EN 1.4301 Equiv.	-

Part Number	Type	M	MxPitch	D±0.1	B±0.2	U	A	L	L1	D1	E	X	Unit Price	
													NJUT	NJUTS
Set NJUT NJUTS		4	M4x0.7	4.2	4.3	6	21	16	13	11	8.5	8		
		5	M5x0.8		5.3									
		6	M6x1.0	6.8	6.8	12	31	24	22	16	12.5	9		
		8	M8x1.25	10.5	8.3	20	52	42	38	26	21	14		
M Applicable to Set		4												
		5, 6												
		8, 10												

Ordering Example
Part Number
NJUT6



Knuckle Joints

Fixed / B Selectable

■ **Features:** T-Shaped/U-Shaped Fixed and Concave/Convex with B Dimension Selectable.

■ **Fixed**

(T-Shaped)

NJT (No.3A, No.4A, No.1~No.4)

NJTSS

(U-Shaped)

NJTW (No.3A, No.4A, No.1~No.4)

NJTWS

NJT (No.5C, No.6C)

NJTW (No.5C, No.6C)

Part Number	Type	No.	A	ℓ	E	L	M	R	U	DH10	B Tolerance	Applicable Cylinder I.D. (mm)	Unit Price	
													NJT	NJTSS
NJT NJTSS		3A	19	5	8	14	M3x0.5	5	5	4 +0.048 0	4	6		
		4A	19	5	8	14	M4x0.7	5	5	4 +0.048 0	4	10		
		1	21.5	6	10	16	M5x0.8	6.3	7	5 +0.048 0	5	12		
		2	32	8	12	25	M6x1	8.1	14	8 +0.058 0	6.4	16		
		3	34	8.5	16	25	M8x1.25	10.3	11.5	8 +0.058 0	8	20		
		4	41	10.5	20	30	M10x1.25	12.8		10 +0.058 0	10	25		
		5C	42	14	22	30	M14x1.5	12	14	10 +0.058 0	18	32, 40		
		6C	56	18	28	40	M18x1.5	16	20	14 +0.070 0	22	50, 63		

⚠ I.D. (mm) of an applicable cylinder is for a compact cylinder. In the selection, please also check M (diameter of a mounting screw).

Part Number	Type	No.	A	ℓ	E	L	M	R	U	DH10	B Tolerance	C	L1	Applicable Cylinder I.D. (mm)	Unit Price	
															NJTW	NJTWS
NJTW NJTWS		3A	19	5	8	14	M3x0.5	5	5	4 +0.048 0	4	8	12	6		
		4A	19	5	8	14	M4x0.7	5	5	4 +0.048 0	4	10	12	10		
		1	21.5	6	10	16	M5x0.8	6.3	7	5 +0.048 0	5	10	14.6	12		
		2	28	11	12	21	M6x1	8.1	10	6.5 +0.048 0	6.5	12	16.6	16		
		3	34	8.5	16	25	M8x1.25	10.3	11.5	8 +0.058 0	8	16	21	20		
		4	41	10.5	20	30	M10x1.25	12.8		10 +0.058 0	10	20	25.6	25		
		5C	42	16	22	30	M14x1.5	12	14	10 +0.058 0	18	36	41.6	32, 40		
		6C	56	20	28	40	M18x1.5	16	20	14 +0.070 0	22	44	50.6	50, 63		

⚠ I.D. (mm) of an applicable cylinder is for a compact cylinder. In the selection, please also check M (diameter of a mounting screw).

* The knuckle joint pin and retaining ring (2 pcs.) are included in the package of NJT, NJTSS, NJTW and NJTWS.

Ordering Example
Part Number
NJT2
NJT3A
NJTWS5C

■ **B Selectable**

RoHS10

B Selectable Type	Material	Surface Treatment
Convex Type	EN 1.1191 Equiv.	Black Oxide
Concave Type	EN 1.4301 Equiv.	Electroless Nickel Plating

Part Number	Type	M-Pitch	B Selection	DH7	U	A	L	T	Unit Price	
									Convex Type	Concave Type
(Convex Type) NJSB NJSS		3-0.5	4, 5	4		26	20	10		
		4-0.7	5, 6	5	10	31	25	12		
		5-0.8								
		6-1.0	4, 6	8		43	35	16		
		8-1.0								
		8-1.25	5, 8	10	15	50	40	22		
(Concave Type) NJTB NJTM NJTS		10-1.25	6, 10	12	20	62	50	25		
		10-1.5				67	55	28		
		12-1.25	8, 10							
		12-1.5								
		14-1.5	10, 12							
		16-1.5	12, 14							

Ordering Example
Part Number
NJSB5-0.8
NJTS8-1.25