

Floating Joints Integrated Type

Extra Short Flange Mount

Metal Pushers / Urethane Caps



Screws	Type		Material	Surface Treatment	Hardness	Spring Material
	Round	Compact Type				
Tapped	FJCR	FJCC	S45C Equivalent	Black Oxide	40-45HRC	Spring Steel
	FJCRT	FJCCT	Tuffride®	Tuffride®	500HV~	Spring Steel
	FJCRS	FJCCS	SUS440C Equivalent	-	40-45HRC	Spring Stainless Steel
Threaded	FJMCR	FJMCC	S45C Equivalent	Black Oxide	40-45HRC	Spring Steel
	FJMCR	FJMCC	Tuffride®	Tuffride®	500HV~	Spring Steel
	FJMCRS	FJMCCS	SUS440C Equivalent	-	40-45HRC	Spring Stainless Steel

Ⓜ Tuffride® is a trademark of DURFERRIT GmbH.
Ⓜ Tuffride® may cause uneven color, which doesn't affect mechanical function.

Tapped

Round

Compact

Ⓜ For details on Tuffride®, see P.1907.
Ⓜ Do not insert screws deeper than the depth of tapped holes. Malfunction may occur.

Floating Connectors - Extra Short Flange Mount - Tapped (for Threaded Cylinder)

Part Number Type	M-Pitch	ℓ	W	L1	A	L	F	P.C.D.	d	d1	H	E	G	Allowable Misalignment U	Allowable Angular Deviation A'	St (Reference)	Working Load kgf(N)	Mass (g)	
																		Round	Compact Type
Round FJCR FJCRT FJCRS	3-0.5	11	7	3	39	14	10	28.6	4.5	8	5	21	28.6	0.5	3	0.45	~2.8(27.5)	78	51
	4-0.7	12	4	44	16	10.5	32.1	6	9.5	5.5	23	32.1	77					50	
	5-0.8	12.5	4	44	16	10.5	32.1	6	9.5	5.5	23	32.1	106					69	
	6-1.0	12.5	4	44	16	10.5	32.1	6	9.5	5.5	23	32.1	105					68	
	8-1.25	16	10	5	50	20	13	36.6	7	11	6	26	36.6					166	109
	10-1.25	20	12	6	52	25	17	38.6	7	11	6	28	38.6					236	157
Compact Type FJCC FJCCT FJCCS	12-1.25	23	17	7	66	28	19.5	49.6	9	14	8	36	49.6	1.0	5	1.1	411	274	
	14-1.5	23	17	7	66	28	19.5	49.6	9	14	8	36	49.6				402	269	
	16-1.5	30	22	9	70	35	24.5	53.6	10	18	10	40	53.6				553	372	
	18-1.5	30	22	9	70	35	24.5	53.6	10	18	10	40	53.6				538	363	
	20-1.5	38	27	10	88	45	31.5	68.1	12	18	10	51	68.1				1078	735	
	22-1.5	38	27	10	88	45	31.5	68.1	12	18	10	51	68.1				1058	715	

Floating Connectors - Extra Short Flange Mount - Threaded (for Tapped Cylinder)

Part Number Type	M-Pitch	F	W	L1	A	L	T	P.C.D.	d	d1	H	E	G	Allowable Misalignment U	Allowable Angular Deviation A'	St (Reference)	Working Load kgf(N)	Mass (g)	
																		Round	Compact Type
Round FJMCR FJMCR	5-0.8	10	7	4	44	16	10.5	32.1	6	9.5	5.5	23	32.1	0.5	4	0.65	~20(196.1)	103	67
	6-1.0	12	4	44	16	10.5	32.1	6	9.5	5.5	23	32.1	105					69	
	8-1.25	15	10	5	50	20	13	36.6	7	11	6	26	36.6					173	113
Compact Type FJMCC FJMCC	10-1.5	15	12	6	52	25	17	38.6	7	11	6	28	38.6	1.0	5	1.1	~80(784.5)	246	163
	12-1.75	18	17	7	66	28	19.5	49.6	9	14	8	36	49.6					445	298
	16-2.0	20	22	9	70	35	24.5	53.6	10	18	10	40	53.6					653	457
	20-2.5	25	27	10	88	45	31.5	68.1	12	18	10	51	68.1					1304	928

- Features**
- The distance between cylinder and operated object can be made short.
 - Large allowable eccentricity absorbs misalignment.
 - Deep tapped hole allows wide-ranging adjustment.
 - Compact Type is designed for space-saving.
- Comparison with Conventional Type Long**

Structure Diagram

Comparison with Conventional Type Long

* Threaded Type has the same structure.

M-Pitch	Unit Price					
	FJCR	FJCC	FJCRT	FJCCT	FJCRS	FJCCS
3-0.5	-	-	-	-	-	-
4-0.7	-	-	-	-	-	-
5-0.8	-	-	-	-	-	-
6-1.0	-	-	-	-	-	-
8-1.25	-	-	-	-	-	-
10-1.25	-	-	-	-	-	-
12-1.25	-	-	-	-	-	-
14-1.5	-	-	-	-	-	-
16-1.5	-	-	-	-	-	-
18-1.5	-	-	-	-	-	-
20-1.5	-	-	-	-	-	-
22-1.5	-	-	-	-	-	-

M-Pitch	Unit Price					
	FJMCR	FJMCC	FJMCR	FJMCC	FJMCRS	FJMCCS
5-0.8	-	-	-	-	-	-
6-1.0	-	-	-	-	-	-
8-1.25	-	-	-	-	-	-
10-1.5	-	-	-	-	-	-
12-1.75	-	-	-	-	-	-
16-2.0	-	-	-	-	-	-
20-2.5	-	-	-	-	-	-

Metal Pushers

Type	Type		Material	Surface Treatment	Hardness
	Flat	Sphere			
Tapped	KPHF	KPHR	S45C Equivalent	Black Oxide	Induction Hardened and Tempered HRC45-50
	KPMF	KPMR	SUS420J2	-	-

Flat

Sphere

Ⓜ RoHS10

Tapped Type

Ⓜ KPHFS and KPHRS (SUS420J2) may discolor due to Hardening.

Part Number Type	D	L 1mm Increment		M Selection	ℓ	W	Unit Price			
		Flat	Sphere				KPHF	KPHFS	KPHR	KPHRS
Flat KPHF KPHFS	6	15-50	17-50	3	8	5				
	8	17-50	20-50	3 4		7				
	10	19-50	23-50	3 4 5		8				
	12	21-100	26-100	4 5 6		10				
	15	23-100	30-100	5 6 8S 8		14				
	16	23-100	30-100	5 6 8S 8		10				
Sphere KPHR KPHRS	18	26-100	34-100	6 8S 8 10S 10 12S 12 12M	15	27				
	20	28-100	37-100	8S 8 10S 10 12S 12 12M		17				
	30	36-100	50-100	10S 10 12S 12 12M 14S 18S		20				
	40	41-150	60-100	10S 10 12S 12 12M 14S 18S		20				

Ⓜ Mx2.5+5≤L is required for Tapped Type. Ⓜ 8S, 10S, 12, 12S, 14S and 18S are fine thread pitch. For thread details, refer to the right.
Ⓜ 12M is course thread pitch.

Threaded Type

Part Number Type	D	L 1mm Increment		M Selection	ℓ	W	Unit Price	
		Flat	Sphere				KPMF	KPMR
Flat KPMF	6	15-50	17-50	3 4 5	8	5		
	8	17-50	20-50	4 5 6		7		
	10	19-50	23-50	5 6 8S 8		8		
	12	21-100	26-100	6 8S 8 10S 10		10		
	15	23-100	30-100	8S 8 10S 10 12S 12 12M		14		
	16	23-100	30-100	8S 8 10S 10 12S 12 12M		10		
Sphere KPMR	18	26-100	34-100	10S 10 12S 12 12M 16	15	17		
	20	28-100	37-100	10S 10 12S 12 12M 16		22		
	25	36-100	55-100	16 18 20		27		
	30	36-100	55-100	16 18 20		27		

Ⓜ 8S, 10S, 12 and 12S are fine thread pitch. For thread details, refer to the right. Ⓜ 12M is course thread pitch.

Ordering Example: Part Number - L - M
KPHF10 - 20 - 5
KPMF18 - 40 - 12S

Urethane Caps

Part Number Type	D	T Selection	L Selection	D1	d	(Y)	Unit Price		
							URCPH	URCP	URCPL
URCPH URCP URCPL	3	3	5 8	8	1	Y=T+L			
	4	3	5* 10						
	5	3	10* 15						
	6	3	10 15						
	6	5	10* 15						
	8	3	10* 15						
	8	5	10 15						
	10	3	15* 20						
	12	5	15* 20						
	13	5	15 20						
	16	5	15 20						
	20	5	20* 25						
	20	7	20 25						
	25	7	20 25						
	30	7	20 25						
35	10	20 25							

Ⓜ Only * marked dimensions are available for URCPH and URCPL.
Ⓜ Urethane may discolor over time but there is no effect on properties.
Ⓜ The Urethane Cap hole diameter is designed to fit the tolerances of MISUMI Linear Shafts.

Ordering Example: Part Number - T - L
URCP6 - 5 - 10

