

Floating Connectors

Extra Short Type

Floating Connectors – Extra Short Type

Thread	Type		Material	Surface Treatment	Surface Hardness	Spring Material
	Round Type	Compact Type				
Tapped	FJCR	FJCC	1045 Carbon Steel or Equivalent	Black Oxide	40–45 HRC min.	Spring Steel
	FJCRT	FJCCT	440C Stainless Steel or Equivalent	Tufftride®	500 HV min.	Stainless Steel for Spring
	FJCRS	FJCCS	440C Stainless Steel or Equivalent	—	40–45 HRC min.	Spring Steel
Threaded	FJMCR	FJMCC	1045 Carbon Steel or Equivalent	Black Oxide	40–45 HRC min.	Spring Steel
	FJMCR	FJMCC	440C Stainless Steel or Equivalent	Tufftride®	500 HV min.	Stainless Steel for Spring
	FJMCRS	FJMCCS	440C Stainless Steel or Equivalent	—	40–45 HRC min.	Spring Steel

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

Tapped

Threaded

ⓘ For details of Tufftride®, refer to P.4029

ⓘ Do not insert screws deeper than the depth of tapped holes. Malfunction may occur.

ⓘ If the load continues in one direction, it may be difficult to absorb core misalignment.

ⓘ St is the thrust clearance on which spring force is exerted.

ⓘ The floating part has a structure that prevents it from turning. Turning it is not recommended.

RoHS10

Floating Connectors (Extra Short Tapped Type)

Part Number	Type	M-Pitch	ℓ	W	L ₁	A	L	F	P.C.D.	d	d ₁	H	E	G	Allowable Lateral Misalignment U	Allowable Angular Misalignment A°	St (Reference)	Working Load kgf (N)	Mass (g)		Available Types					
																			Round Type	Compact Type	FJCR	FJCC	FJCRT	FJCCT	FJCRS	FJCCS
Round Type 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	77																50	•	•	—	—	—	—		
	5-0.8	12.5	7	4	44	16	10.5	32.1	6	9.5	5.5	23	32.1	0.5	4	0.65	~20 (196.1)	106	69	•	•	—	—	—	—	
	6-1.0	105																68	•	•	—	—	—	—		
	8-1.25	16																10	5	50	20	13	36.6	7	11	6
10-1.25	20	12	6	52	25	17	38.6	9	14	8	28	38.6	1.1	~80 (784.5)	236	157	•	•	•	•	•	•	•			
Compact Type FJCC FJCCT FJCCS	12-1.25	23	9	14	8	28	38.6	49.6	1.0	5	14	8	36	49.6	1.4	~440 (4315)	411	274	•	•	—	—	—	—		
	14-1.5	402															269	•	•	•	•	•	•			
	16-1.5	553															372	•	•	•	•	•	•			
	18-1.5	30	22	9	70	35	24.5	53.6	40	53.6	1.5	~650 (6374)	538	363	•	•	•	•	•	•						
	20-1.5	38	27	10	88	45	31.5	68.1	12	18	10	51	68.1	1.5	~900 (8826)	1078	735	•	•	—	—	—	—			
22-1.5	1058	715	•	•	—	—	—	—																		

Floating Connectors

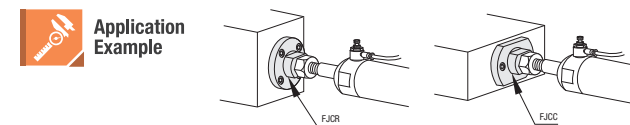
Extra Short Type, continued

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

Part Number	Type	M-Pitch	F	W	L ₁	A	L	T	P.C.D.	d	d ₁	H	E	G	Allowable Misalignment U	Allowable Angular Deviation	St (Reference)	Working Load kgf (N)	Mass (g)		Available Types					
																			Round Type	Compact Type	FJMCR	FJMCC	FJMCR	FJMCC	FJMCRS	FJMCCS
Round Type 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	7	4	44	16	10.5	32.1	7	11	6	26	36.6	0.5	4	0.65	~20 (196.1)	105	69	•	•	—	—	—	—	
	8-1.25	15	10	5	50	20	13	36.6	7	11	6	26	36.6	0.5	4	0.95	~80 (784.5)	173	113	•	•	•	•	•	•	
	10-1.5	15	12	6	52	25	17	38.6	9	14	8	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	1.0	5	1.4	~440 (4315)	445	298	•	•	•	•	•	•	
16-2.0	20	22	9	70	35	24.5	53.6	9	14	8	40	53.6	1.0	5	1.5	~650 (6374)	653	457	•	•	•	•	•	•		
20-2.5	25	27	10	88	45	31.5	68.1	12	18	10	51	68.1	1.5	5	1.9	~900 (8826)	1304	928	•	•	—	—	—	—		

Part Number Example

Part Number: **FJCR10-1.25**



- Features**
- The distance between cylinder and operated object can be shortened.
 - Large allowable eccentricity absorbs misalignment.
 - Deep tapped hole allows wide-ranging adjustment.
 - Compact type is designed for limited space.

