

# Floating Connectors

## Extra Short Type

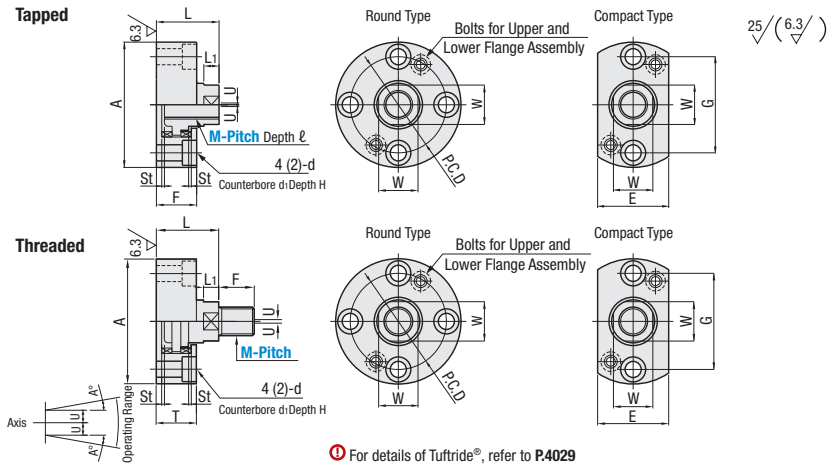
Floating Connectors – Extra Short Type



RoHS10

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		Tufftride®	500 HV min.	Stainless Steel for Spring
	FJCRS	FJCCS	440C Stainless Steel or Equivalent	—	40–45 HRC min.	—
Threaded	FJMCR	FJMCC	1045 Carbon Steel or Equivalent	Black Oxide Tufftride®	40–45 HRC min.	Spring Steel
	FJMCR	FJMCC		500 HV min.	Spring Stainless Steel	
	FJMCRS	FJMCCS	440C Stainless Steel or Equivalent	—	40–45 HRC min.	—

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



ⓘ 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.

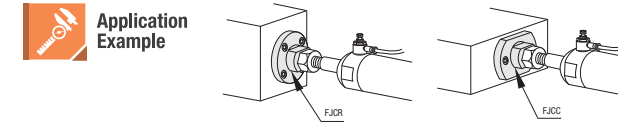
# Floating Connectors

## Extra Short Type, continued

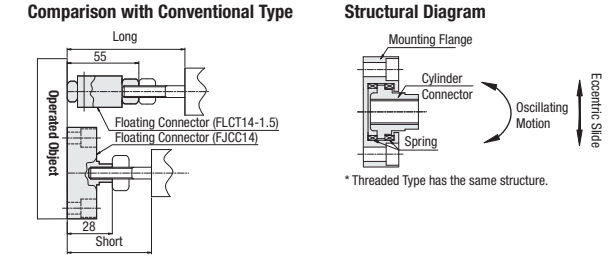
Floating Connectors (Extra Short Flange Mount) Threaded (for Tapped Cylinder)

Part Number	Type	M-Pitch	F	W	L <sub>1</sub>	A	L	T	P.C.D.	d	d <sub>1</sub>	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	FJMCR	FJMCC	FJMCR
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					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	9	14	8	36	49.6	1.0	5	0.95	~80 (784.5)	246	163	•	•	•	•	•	•	•	•
	12-1.75	18	17	7	66	28	19.5	49.6	9	14	8	40	53.6					445	298	•	•	•	•	•	•		
	16-2.0	20	22	9	70	35	24.5	53.6	9	14	8	40	53.6					653	457	•	•	•	•	•	•		
	18-2.0	20	22	9	70	35	24.5	53.6	9	14	8	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	•	•	•	•	•	•		

Part Number Example: 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.



Floating Connectors (Extra Short Tapped Type)

Part Number	Type	M-Pitch	ℓ	W	L <sub>1</sub>	A	L	F	P.C.D.	d	d <sub>1</sub>	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	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	7	3	39	14	10	28.6	4.5	8	5	21	28.6					77	50	•	•	—	—	—	—		
	5-0.8	12.5	4	44	16	10.5	32.1	6	9.5	5.5	23	32.1					106	69	•	•	—	—	—	—		
Compact Type FJCC FJCCT FJCCS	6-1.0	16	10	5	50	20	36.6	7	11	6	26	36.6	1.0	4	0.65	~20 (196.1)	105	68	•	•	•	•	•	•		
	8-1.25	20	12	6	52	25	38.6	7	11	6	26	36.6					166	109	•	•	•	•	•	•		
	10-1.25	20	12	6	52	25	38.6	7	11	6	26	36.6					236	157	•	•	•	•	•	•		
	12-1.25	23	17	7	66	28	49.6	9	14	8	36	49.6					411	274	•	•	•	•	•	•		
	14-1.5	23	17	7	66	28	49.6	9	14	8	36	49.6					402	269	•	•	•	•	•	•		
	16-1.5	30	22	9	70	35	53.6	9	14	8	40	53.6					553	372	•	•	•	•	•	•		
	18-1.5	30	22	9	70	35	53.6	9	14	8	40	53.6					538	363	•	•	•	•	•	•		
	20-1.5	38	27	10	88	45	68.1	12	18	10	51	68.1					1078	735	•	•	•	•	•	•		
	22-1.5	38	27	10	88	45	68.1	12	18	10	51	68.1					1058	715	•	•	•	•	•	•		