

Floating Joint

Standard/Light Weight Type

Series JC

RoHS



Series JC

Model/Specifications

Model	Applicable cylinder bore size (mm)	Applicable cylinder nominal thread size	Maximum operating tensile and compressive force (N)	Allowable eccentricity (Umm)	Rotating angle
			Basic style		
Standard/Thread nominal size					
JC20-8-125	20	M8 x 1.25	300	0.5	± 5°
JC30-10-125	25/32	M10 x 1.25	800	0.5	
JC40-14-150	40	M14 x 1.5	1250	0.75	
JC63-18-150	50/63	M18 x 1.5	3100	1	
Semi-standard/Thread nominal size					
JC20-8-100	20	M8 x 1	300	0.5	± 5°
JC25-10-150	25	M10 x 1.5	800	0.5	
JC32-10-100	32	M10 x 1	800	0.5	
JC40-12-125	32/40	M12 x 1.25	1250	0.75	
JC40-12-150	40	M12 x 1.5	1250	0.75	
JC40-12-175	32/40	M12 x 1.75	1250	0.75	
JC50-16-150	50	M16 x 1.5	3100	1	
JC63-16-200	50/63	M16 x 2	3100	1	

How to Order

JC 40 - 14-150

Applicable cylinder bore size

Model	Symbol	Applicable cylinder bore size (mm)
Standard type	20	20
	30	25/32
	40	40
	63	50/63

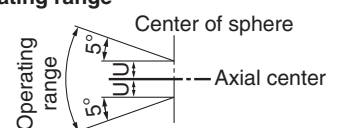
Thread nominal size (Standard)

Thread nominal size	Applicable cylinder nominal thread size
8-125	M8 x 1.25
10-125	M10 x 1.25
14-150	M14 x 1.5
18-150	M18 x 1.5

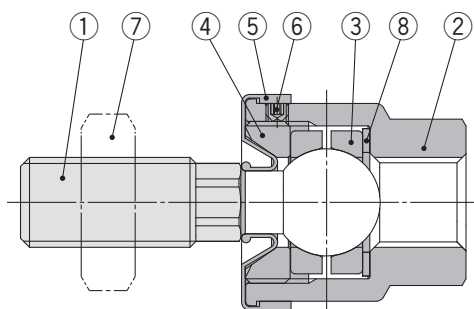
Specifications

Operating pressure	Pneumatic cylinder: 1 MPa or less
Mounting	Basic style
Operating temperature	-10 to 70°C

Operating range



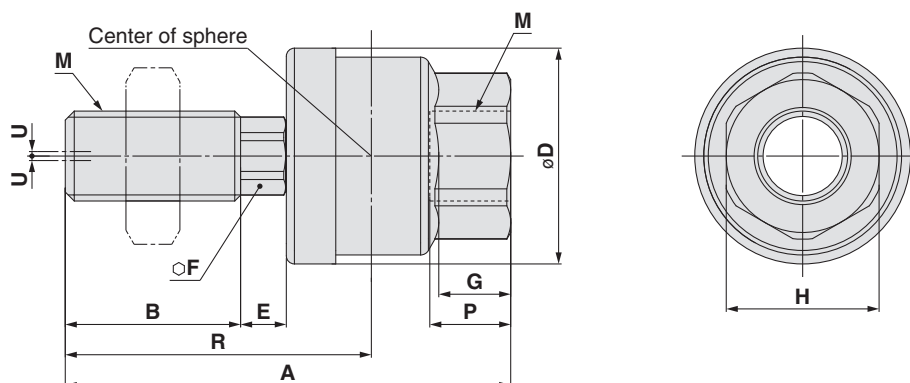
Construction



No.	Description	Material	Note
1	Stud	Steel	Manganese phosphate
2	Case	Aluminum	Chromated
3	Ring	Steel	
4	Cap	Steel	Black zinc chromated
5	Dust cover	Synthetic rubber	
6	Set screw	Steel	Zinc chromated
7	Rod end nut	Steel	Zinc chromated
8	Washer	Steel	

Dimensions

JC20 to 63



Standard type Pneumatic: to 1 MPa

(mm)

Applicable cylinder bore size	Model	M		A	B	D	E	F	G	H	Center of sphere R	Maximum thread depth P	Allowable eccentricity U	Maximum operating tensile and compressive force N	Weight kg
		Nominal size	Pitch												
20	JC20-8-125	8	1.25	44	17.5	21	4.5	7	7	13	30.5	8	0.5	300	0.03
25, 32	JC30-10-125	10	1.25	49.5	19.5	24	5	8	8	17	34	9	0.5	800	0.05
40	JC40-14-150	14	1.5	60	20	31	6	11	11	22	38	13	0.75	1250	0.12
50, 63	JC63-18-150	18	1.5	74.5	25	41	7.5	14	13.5	27	47.5	15	1	3100	0.23

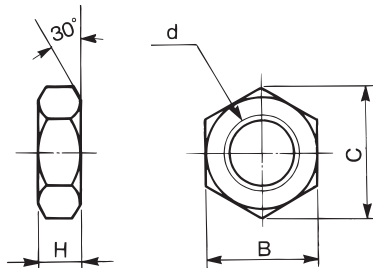
Semi-standard type Pneumatic: to 1 MPa

(mm)

Applicable cylinder bore size	Model	M		A	B	D	E	F	G	H	Center of sphere R	Maximum thread depth P	Allowable eccentricity U	Maximum operating tensile and compressive force N	Weight kg
		Nominal size	Pitch												
20	JC20-8-100	8	1	44	17.5	21	4.5	7	7	13	30.5	8	0.5	300	0.03
25	JC25-10-150	10	1.5	49.5	19.5	24	5	8	8	17	34	9	0.5	800	0.05
32	JC32-10-100	10	1	49.5	19.5	24	5	8	8	17	34	9	0.5	800	0.05
32, 40	JC40-12-125	12	1.25	60	20	31	6	11	11	22	38	13	0.75	1250	0.11
40	JC40-12-150	12	1.5	60	20	31	6	11	11	22	38	13	0.75	1250	0.11
32, 40	JC40-12-175	12	1.75	60	20	31	6	11	11	22	38	13	0.75	1250	0.11
50	JC50-16-150	16	1.5	71.5	22	41	7.5	14	13.5	27	44.5	15	1	3100	0.22
50, 63	JC63-16-200	16	2	71.5	22	41	7.5	14	13.5	27	44.5	15	1	3100	0.22

Dimensions of Accessories

Rod end nut



(mm)					
Model	Order number	d: Thread nominal size	H	B	C
JC20-8-100	DA00207	M8 x 1	5	13	15
JC20-8-125	DA00169	M8 x 1.25	5	13	15
JC32-10-100	DA00141	M10 x 1	6	17	19.6
JC30-10-125	DA00142	M10 x 1.25	6	17	19.6
JC25-10-150	DA00140	M10 x 1.5	6	17	19.6
JC40-12-125	DA00145	M12 x 1.25	7	19	21.9
JC40-12-150	DA00146	M12 x 1.5	7	19	21.9
JC40-12-175	DA00143	M12 x 1.75	7	19	21.9
JC40-14-150	DA00148	M14 x 1.5	8	22	25.4
JC50-16-150	DA00151	M16 x 1.5	10	24	27.7
JC63-16-200	DA00150	M16 x 2	10	24	27.7
JC63-18-150	DA00153	M18 x 1.5	11	27	31.2

Spare parts

• Rod end nut

The basic style has one rod end nut attached, it is possible to order additional pieces by the above order numbers.

• Dust cover

When the dust cover is damaged and deteriorated, order with the part number as shown below.

Part no. for dust cover	Applicable model
P215215	JC20
P215225	JC25, JC30, JC32
P215235	JC40
P215245	JC50, JC63