Swivel Joints

DG-Series



Technical Description
Can be used in hydraulic systems where rotating connections are essential, for example on accessories with rotating movements. Depending on design, the body is made of brass (DG) or steel (KR) and the rotating axis of surface-purified/stainless steel. Maximum rotation speed: 60 r.p.m.

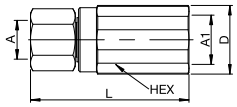
Advantages
- Rotating joints minimise the high wear to the hose, which occurs in hydraulic systems.
- Solid construction with two plain bearings (DG) or ball/roller bearings (KR).
- Suitable for combining with norm hydraulic components.

Working Temperature
-40°C up to +90°C (NBR) depending on the medium. Special seals are available on request (see page 6).

Material	Type DG	Type KR
Body	Brass	Steel, zinc plated, passivated, sealed
Counterpart		Steel, zinc plated, passivated, sealed
Swivel Axis	Steel, nitrated or Stainless Steel	Steel hardened, zinc plated, passiv., sealed
Nut/Adapter	Steel, zinc plated, passivated, sealed	Steel, zinc plated, passivated, sealed
Seals	NBR	NBR

Applications Area

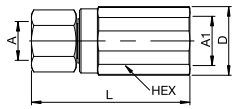
Type DG 250 DN 6 = 28 mm — DG-Series



Female Thread

Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
G 1/4	G 3/8	22	53	23	6	NBR	1	250	250
G 1/4	G 3/8	22	53	23	6	NBR	1	250	250 RF *

Type DG 500 DN 11 = 95 mm — DG-Series



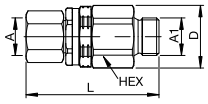
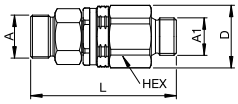
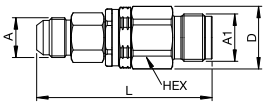
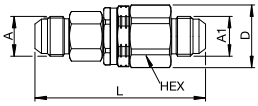
Female Thread

Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
G 1/2	G 3/4	32	71	35	11	NBR	1	250	500
G 1/2	G 3/4	32	71	35	11	NBR	1	250	500 RF *

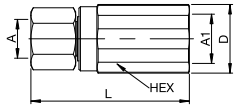
* Swivelling axis made of stainless steel.

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Type DG 500 DN 11 = 95 mm — DG-Series

	Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
 Male / Female Thread	G 1/2	G 1/2	32	73	35	11	NBR	1A	250	500 B
 Male Thread	M 18 x 1,5	G 1/2	32	73	35	11	NBR	2	250	500 W
	M 22 x 1,5	G 1/2	32	81	35	11	NBR	2	250	500 W5
	M 24 x 1,5	G 1/2	32	81	35	11	NBR	2	250	500 W6
 Male Thread	7/8"-14 UNF	G 3/4	32	98	35	11	NBR	3	250	500-30
	7/8"-14 UNF	G 1/2	32	90,5	35	11	NBR	3	250	500-32 *
 Male Thread	7/8"-14 UNF	7/8"-14 UNF	32	92	35	11	NBR	3A	250	500-31
	11/16"-12 UNF	11/16"-12 UNF	32	101	35	11	NBR	3A	250	500-33

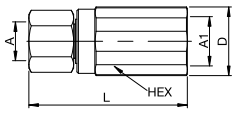
Type DG 750 DN 17 = 225 mm — DG-Series

	Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
 Female Thread	G 3/4	G 1	40	80	35	17	NBR	1	250	750-QC
	G 3/4	G 1	40	80	35	17	NBR	1	250	750 RF *

* Swivelling axis made of stainless steel.

⚠ Please consider our security advices on the pages 12/13 ⚠

Type DG 1000 DN 22 = 380 mm — DG-Series

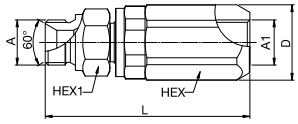


Female Thread

Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
G 1	G 11/4	50	94	43	22	NBR	1	200	1000-QC
G 1	G 11/4	50	94	43	22	NBR	1	200	1000 RF *

* Swivelling axis made of stainless steel.

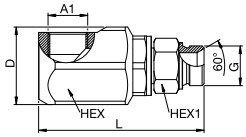
Type KR DN 6 = 28 mm up to DN 22 = 380 mm — KR-Series



Male / Female Thread

Connection A	Connection A1	Hex mm	Hex 1 mm	L mm	D mm	DN	Seal	Working Pressure in bar	Part Number
G 1/4	G 1/4	27	19	88	29	6	NBR	350	2KRAW13IW13
G 3/8	G 3/8	30	22	87	33	9	NBR	350	3KRAW17IW17
G 1/2	G 1/2	32	27	95	35	11	NBR	350	5KRAW21IW21
G 3/4	G 3/4	45	32	109	50	17	NBR	350	7KRAW26IW26
G 1	G 1	50	40	117	55	22	NBR	250	10KRAW33IW33

Type KR 90° DN 6 = 28 mm up to DN 22 = 380 mm — KR-Series



Male / Female Thread

Connection A	Connection A1	Hex mm	Hex 1 mm	L mm	D mm	DN	Seal	Working Pressure in bar	Part Number
G 1/4	G 1/4	32	19	93	35	6	NBR	350	2KRAW13IW1390
G 3/8	G 3/8	38	22	95	41	9	NBR	350	3KRAW17IW1790
G 1/2	G 1/2	41	27	108	45	11	NBR	350	5KRAW21IW2190
G 3/4	G 3/4	55	32	125	60	17	NBR	350	7KRAW26IW2690
G 1	G 1	65	40	139	72	22	NBR	250	10KRAW33IW3390

All KR swivel joints are only suitable for oil.

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