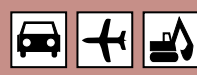




Nominal Diameter

5-22

TEMA Swivel Joints



TDG Series

Medium-/High-Pressure



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 (TDG) or steel (TKR) 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 (TDG) or ball/roller bearings (TKR). Suitable for combining with norm hydraulic components.

Working Temperature

-40°C up to +90°C (NBR) depending on the medium.

FKM on request.

Material

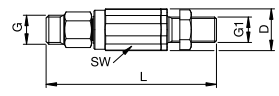
	Type TDG	Type TKR
Body	Brass	Steel, Zinc Pl., Yellow passivated, sealed
Counterpart		Steel, Zinc Pl., Yellow passivated, sealed
Swivelling Axis	Steel, nitrated or Stainless Steel	Steel, Hardenend, Zinc Plated, Yellow passivated, sealed
Nut/Adapter	Steel, Zinc Plated, Yellow passivated, sealed	Steel, Zinc Plated, Yellow passivated, sealed
Seals	NBR	NBR

Swivelling Axis made of stainless steel

Type TDG 250 DN 5 = 20 mm

TEMA TDG Series

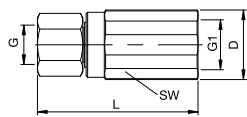
Connection G	Connection G1	Hex SW	L mm	D mm	DN	Seal	Type	max. Working Pressure in bar	Part Number	DS
M 16 x 1,5 o.	M 14 x 1,5 o.	22	92	23	5	NBR	4	250	T250 W	■



Type TDG 250 DN 6 = 28 mm

TEMA TDG Series

Connection G	Connection G1	Hex SW	L mm	D mm	DN	Seal	Type	max. Working Pressure in bar	Part Number	DS
G 1/4 i.	G 3/8 i.	22	53	23	6	NBR	1	250	T250	■
G 1/4 i.	G 3/8 i.	22	53	23	6	NBR	1	250	T250 RF 1)	■□

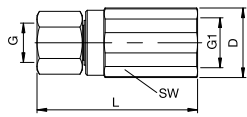
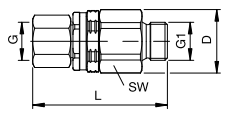
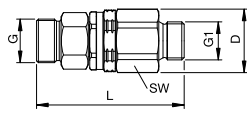
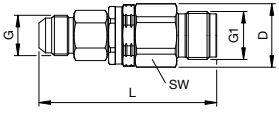
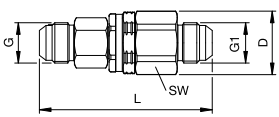


DS = Delivery Status: ■ in stock ■□ on short call □ medium term delivery

1) Swivelling Axis made of stainless steel

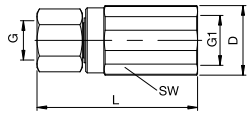
Type TDG 500 DN 11 = 95 mm

TEMA TDG Series

	Connection G	Connection G1	Hex SW	L mm	D mm	DN	Seal	Type	max. Working Pressure in bar	Part Number	DS
 <p>Type 1</p>	G 1/2 i.	G 3/4 i.	32	71	35	11	NBR	1	250	T500	■
	G 1/2 i.	G 3/4 i.	32	71	35	11	NBR	1	250	T500 RF ¹⁾	■
 <p>Type 1A</p>	G 1/2 i.	G 1/2 o.	32	73	35	11	NBR	1A	250	T500 B	■
 <p>Type 2</p>	M 18x1,5 o.	G 1/2 o.	32	73	35	11	NBR	2	250	T500 W	■
	M 26x1,5 o.	G 1/2 o.	32	77	35	11	NBR	2	250	T500 W2	■
	M 18x1,5 o.	M 22 x 1,5 o.	32	73	35	11	NBR	2	250	T500 W3	■
	M 22x1,5 o.	G 1/2 o.	32	81	35	11	NBR	2	250	T500 W5	■
	M 24x1,5 o.	G 1/2 o.	32	81	35	11	NBR	2	250	T500 W6	■
 <p>Type 3</p>	7/8-14UNF o.	G 3/4 o.	32	95	35	11	NBR	3	250	T500-30	■
	7/8-14UNF o.	G 1/2 o.	32	87	35	11	NBR	3	250	T500-32 ¹⁾	■
 <p>Type 3A</p>	7/8-14UNF o.	7/8-14UNF o.	32	92	35	11	NBR	3A	250	T500-31	■
	11/16-12UN o.	G 1/2 o.	32	101	35	11	NBR	3A	250	T500-33	■

Type TDG 750 DN 17 = 225 mm

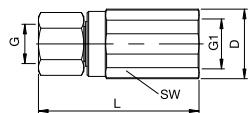
TEMA TDG Series

	Connection G	Connection G1	Hex SW	L mm	D mm	DN	Seal	Type	max. Working Pressure in bar	Part Number	DS
	G 3/4 i.	G 1 i.	40	80	35	17	NBR	1	250	T750	■
	G 3/4 i.	G 1 i.	40	80	35	17	NBR	1	250	T750 RF ¹⁾	■

¹⁾ Swiveling Axis made of stainless steel

Type TDG 1000 DN 22 = 380 mm

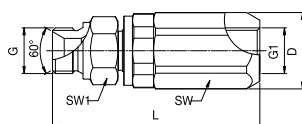
TEMA TDG Series



Connection G	Connection G1	Hex SW	L mm	D mm	DN	Seal	Type	max. Working Pressure in bar	Part Number	DS
G 1 i.	G 1 1/4 i.	50	94	43	22	NBR	1	200	T1000	■ □
G 1 i.	G 1 1/4 i.	50	94	43	22	NBR	1	200	T1000 RF ¹⁾	■ □

Type TKR ND 6 = 28 mm up to DN 22 = 380 mm

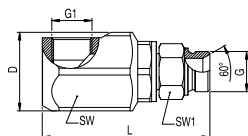
TEMA TKR Series



Connection G	Connection G1	Hex SW	Hex1 SW1	L mm	D mm	DN	Seal	max. Working Pressure in bar	Part Number	DS
G 1/4 o.	G 1/4 i.	27	19	88	29	6	NBR	350	T2KR AW13 IW13	■ □
G 3/8 o.	G 3/8 i.	30	22	87	33	9	NBR	350	T3KR AW17 IW17	■ □
G 1/2 o.	G 1/2 i.	32	27	95	35	11	NBR	350	T5KR AW21 IW21	■ □
G 3/4 o.	G 3/4 i.	45	32	109	50	17	NBR	350	T7KR AW26 IW26	■ □
G 1 o.	G 1 i.	50	40	117	55	22	NBR	250	T10KR AW33 IW33	■ □

Type TKR 90° ND 6 = 28 mm up to DN 22 = 380 mm

TEMA TKR Series



Connection G	Connection G1	Hex SW	Hex1 SW1	L mm	D mm	DN	Seal	max. Working Pressure in bar	Part Number	DS
G 1/4" o.	G 1/4" i.	32	19	93	35	6	NBR	350	T2KR AW13 IW13 S-90	■ □
G 3/8" o.	G 3/8" i.	38	22	95	41	9	NBR	350	T3KR AW17 IW17 S-90	■ □
G 1/2" o.	G 1/2" i.	41	27	108	45	11	NBR	350	T5KR AW21 IW21 S-90	■ □
G 3/4" o.	G 3/4" i.	55	32	125	60	17	NBR	350	T7KR AW26 IW26 S-90	■ □
G 1" o.	G 1" i.	65	40	139	72	22	NBR	250	T10KR AW33 IW33 S-90	■ □

DS = Delivery Status: ■ in stock

■ □ on short call

□ medium term delivery

¹⁾ Swiveling Axis made of stainless steel

All TKR and TDG 750 RL Swivel Joints are only suitable for oil.