

T N A T S I S E R

Acids

Leach

Oil

Water



**High-grade-steel
ROTEX® -
Torsionally flexible couplings**



**High-grade-steel
BoWex® -
Curved-tooth gear couplings®**



Corrosion resistant material

For advanced
drive
technology



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ROTEX® - Torsionally flexible couplings

made from corrosion resistant material

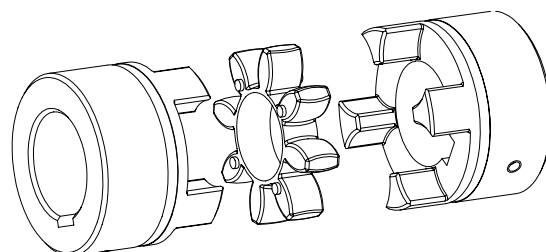
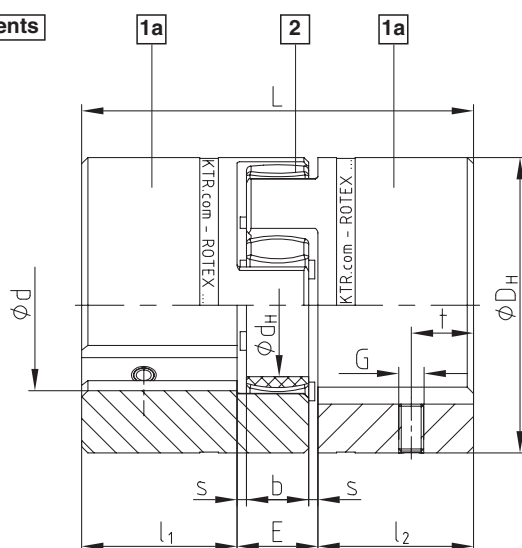


- ROTEX® - Shaft couplings made from special steel (1.4305 and 1.4571)
- Spiders of different materials with different features available from stock

Application areas:

Food processing industry, print and paper, textile industry, sewage technology, wash-mobiles, chemical and pharmaceutic industry, offshore units
For applications in aggressive atmospheres (air, water, chemicals etc.)

Components



Component 1a Large hub
Component 2 Spider 92 Shore A / 98 Shore A / 64 Shore D

ROTEX® Size	Spider (part2) Rated torque T_{KN} [Nm] Maximum torque T_{Kmax} [Nm]						Dimensions [mm]									
	92 Sh A		98 Sh A		64 Sh D		Bore $d_{max.}$	D_H	d_H	L	$l_1; l_2$	E	b	s	G	t
	T_{KN}	$T_{Kmax.}$	T_{KN}	$T_{Kmax.}$	T_{KN}	$T_{Kmax.}$										
19 ¹⁾	10	20	17	34	21	42	25	40	18	66	25	16	12	2	M5	10
24 ²⁾	35	70	60	120	75	150	35	55	27	78	30	18	14	2	M5	10
28 ¹⁾	95	190	160	320	200	400	40	65	30	90	35	20	15	2,5	M8	15
38 ²⁾	190	380	325	650	405	810	48	80	38	114	45	24	18	3	M8	15
42 ¹⁾	265	530	450	900	560	1120	55	95	46	126	50	26	20	3	M8	20
48 ²⁾	310	620	525	1050	655	1310	62	105	51	140	56	28	21	3,5	M8	20

- 1) ROTEX® size 19, 28 and 42 - hub material X10CrNiS 18 9 material number 1.4305 DIN 17440
2) ROTEX® size 24, 38 and 48 - hub material X6CrNiMoTi17-12-2 material number 1.4571 DIN 17440

Futher sizes on request.

Order form:

ROTEX® 28 1.4305	d_1 Ø 24	d_2 Ø 28
Coupling size and material	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)

BoWex® - Curved-tooth gear couplings®

made from corrosion resistant material

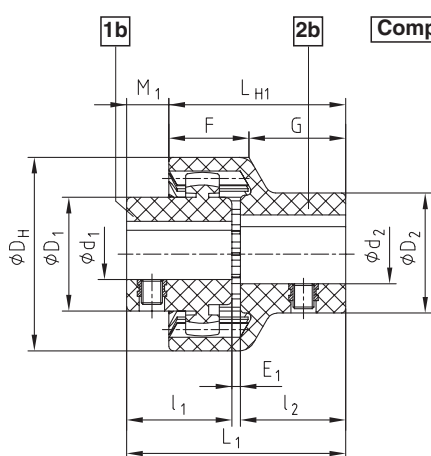


- BoWex®-Shaft couplings made from polyamid or stainless steel (1.4571)
- Designs: **BoWex® junior** - plug-in coupling (2 parts) and Type M (3 parts) from polyamid with sleeve made from polyamid and hubs from stainless steel

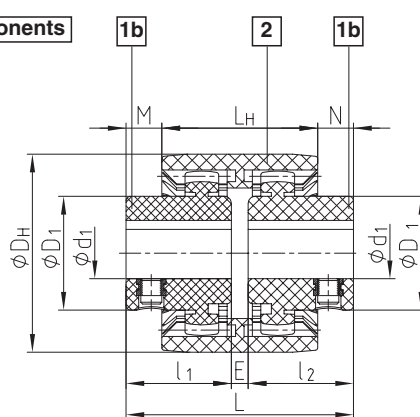
Application areas:

Food processing industry, print and paper, textile industry, sewage technology, wash-mobiles, chemical and pharmaceutic industry, offshore units ...

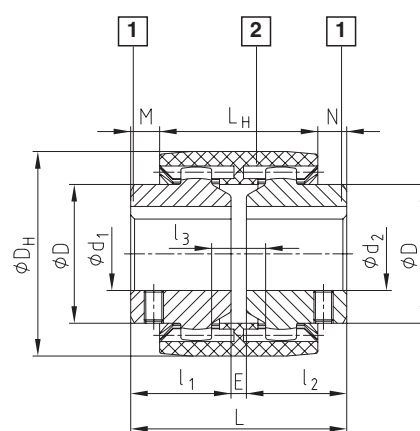
For applications in aggressive atmospheres (Luft, Wasser, Chemikalien usw.)



Type junior plug-in coupling (2 parts)
Component 1b Hub
Component 2b Plug-in-sleeve



Type junior-M
Component 1b Hub
Component 2 M-sleeve



Type M
Component 1 Hub
Component 2 M-sleeve

BoWex® Size	Dimensions [mm]															Technical data		
	d ₁	D ₁	d ₂	D ₂	l ₁ ; l ₂	E	E ₁	L _H	L _{H1}	L	L ₁	D _H	D	MN	M ₁	T _{KN}	T _{Kmax.}	max. speed
junior 14	Ø6, Ø7, Ø8, Ø9	22	Ø8	22														
	Ø10, Ø11	25	Ø10, Ø11	25	23	2	4	37	40	50	48	40	-	6,5	8	5	10	6000
junior M-14	Ø12, Ø14	26	Ø12, Ø14	26														
junior 19	Ø12, Ø14	27	Ø14, Ø15	29														
	Ø16	30			25	2	4	37	42	54	52	48	-	8,5	10	8	16	6000
junior M-19	Ø19	32	Ø19	35														
junior 24	Ø10, Ø11, Ø12	26	Ø14, Ø15	32														
	Ø14, Ø15, Ø16	32			26	2	4	41	45	56	54	53	-	7,5	9	12	24	6000
junior M-24	Ø18, Ø19 Ø20	36	Ø19, Ø20	36														
	Ø24	38	Ø24	40														
M-24	max. Ø24	-	max. Ø24	-	26	4	-	41	-	56	-	53	36	7,5	-	20	40	10600
M-38	max. Ø38	-	max. Ø38	-	40	4	-	48	-	84	-	83	58	18	-	80	160	6700
M-48	max. Ø48	-	max. Ø48	-	50	4	-	50	-	104	-	95	68	27	-	140	280	5600

Futher sizes on request.

Order form:

BoWex® M-24 1.4571	d ₁ Ø 20	d ₂ Ø 24
Type, size and material of coupling	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)	Finish bore H7 keyway to DIN 6885 sheet 1 (JS9)

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