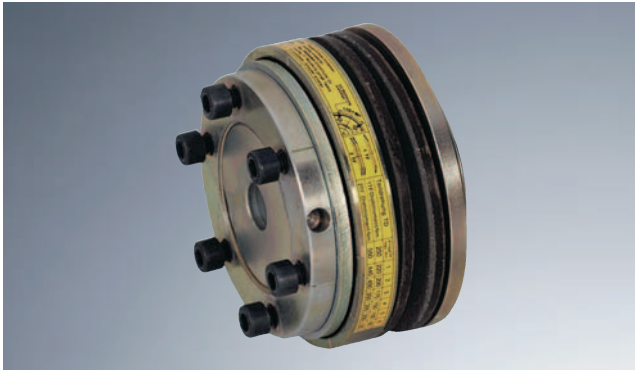
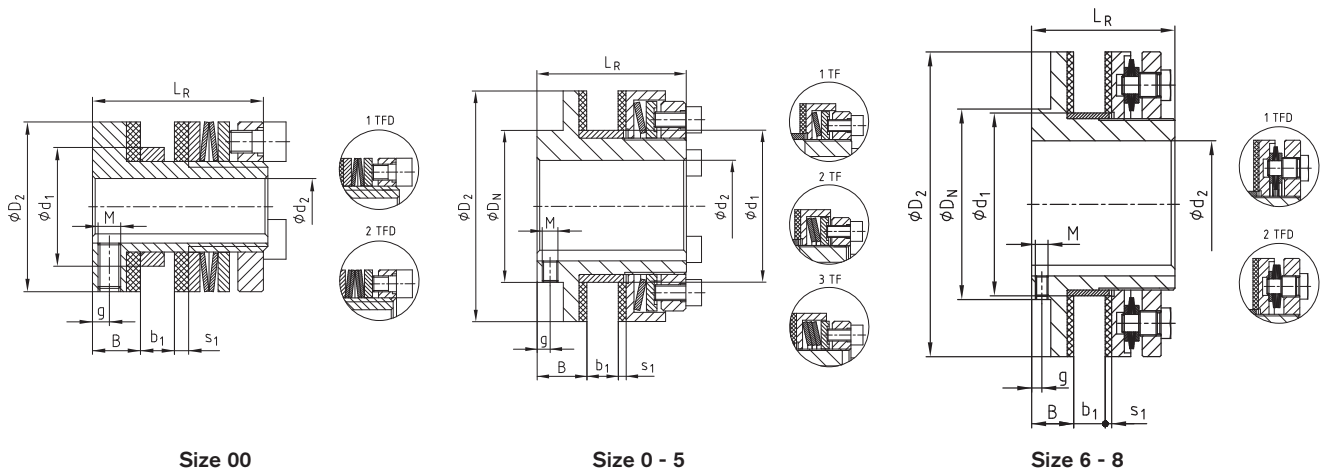


Standard RUFLEX®



- Torque limiter for a torque range up to 6800 Nm
- Standard RUFLEX® zinc-coated and yellow passivated
- Torque setting possible while in place
- Asbestos-free and rust-resistant friction linings
- Finish bore according to ISO fit H7, feather keyway according to DIN 6885 sheet 1 - JS9
- Securing of the setting nut by locking in 12 different positions
- All components are made from high-quality steel

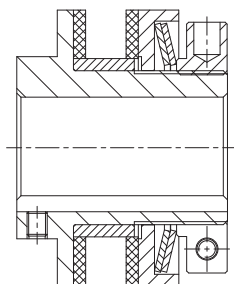


Technical Data																
Size	Max. speed [min <sup>-1</sup> ]	Torques [Nm]			Dimension [mm]											
		1TF	2TF	3TF <sup>3)</sup>	Bore d <sub>2</sub>		D <sub>2</sub>	D <sub>N</sub>	d <sub>1</sub> <sup>2)</sup>	B	Driving component b <sub>1</sub>		S <sub>1</sub>	L <sub>R</sub>	Setscrew	
					Pilot bore	max.					min.	max.			g	M
00	10000	0,5-3	1-5	-	-	10	30	30	21	8,5	2	6	2,5	31	3	M4
0	8500	2-10	4-20	-	-	20 <sup>1)</sup>	45	45	35	8,5	2	6	2,5	33	3	M4
01	6600	5-35	10-70	-	-	22	58	40	40	16	3	8	3	45	4	M5
1	5600	20-75	40-150	130-200	-	25	68	45	44	17	3	10	3	52	5	M5
2	4300	25-140	50-280	250-400	-	35	88	58	58	19	4	12	3	57	5	M6
3	3300	50-300	100-600	550-800	-	45	115	75	72	21	5	15	4	68	5	M6
4	2700	90-600	180-1200	1100-1600	-	55	140	90	85	23	6	18	4	78	5	M8
5	2200	400-800	800-1600	1400-2100	-	65	170	102	98	29	8	20	5	92	8	M8
6	1900	300-1200	600-2400	-	38	80	200	120	116	31	8	23	5	102	8	M8
7	1600	600-2200	1200-4400	-	45	100	240	150	144	33	8	25	5	113	8	M10
8	1300	900-3400	1800-6800	-	58	120	285	180	170	35	8	25	5	115	8	M10

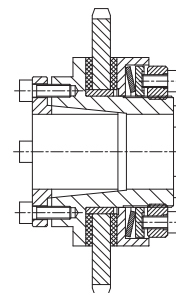
1) Finish bore larger than Ø 19, keyway to DIN 6885 sheet 3

2) Dimension d<sub>1</sub> for bores F8

3) To use only for designs with limited dimensions



- with clamping setting nut
- for radial torque setting



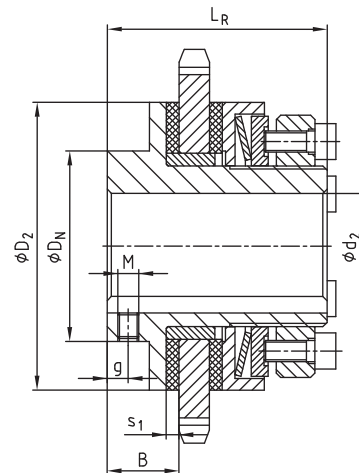
- with taper bush (hub design 4.5)
- frictionally engaged shaft-hub-connection

Order form:	RUFLEX®	1	2TF	10	Ø 20
	Coupling type	Size	Disk spring layer	Width of driving components	Bore

**RUFLEX® with sprocket**



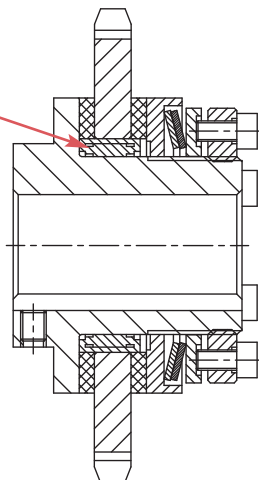
- RUFLEX® torque limiter with sprocket mounted
- Available from stock with standard sprocket (see table below)
- Other sprockets on request
- Complete unit with torque pre-set
- On request also available from stainless material
- Finish bore according to ISO fit H7, feather keyway according to DIN 6885 sheet 1 - JS9



Technical Data														
Size	Max. speed [min <sup>-1</sup> ]	Torques [Nm]			Dimensions [mm]									
		1TF	2TF	3TF <sup>1)</sup>	Bore d <sub>2</sub>		D <sub>2</sub>	D <sub>N</sub>	B	s <sub>1</sub>	L <sub>R</sub>	Setscrew		Standard sprocket
					Pilot bore	max.						g	M	
01	6600	5-35	10-70	–	–	22	58	40	16	3	45	4	M5	<sup>3</sup> / <sub>8</sub> x <sup>7</sup> / <sub>32</sub> , z = 23
1	5600	20-75	40-150	130-200	–	25	68	45	17	3	52	6	M5	<sup>1</sup> / <sub>2</sub> x <sup>5</sup> / <sub>16</sub> , z = 22
2	4300	25-140	50-280	250-400	–	35	88	58	19	3	57	6	M6	<sup>1</sup> / <sub>2</sub> x <sup>5</sup> / <sub>16</sub> , z = 27
3	3300	50-300	100-600	550-800	–	45	115	75	21	4	68	6	M6	<sup>3</sup> / <sub>4</sub> x <sup>7</sup> / <sub>16</sub> , z = 22

1) To use only for designs with limited dimensions

On request available with needle bearing instead of slide bush.



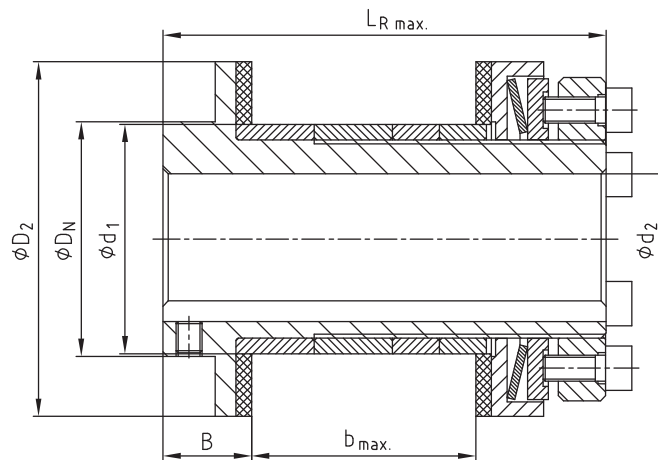
- available with needle bearing
- for high radial load on the sprocket
- for high torques or long slipping periods

Order form:	RUFLEX®	1	2TF	08 B1, z=24	Ø 20	100 Nm
	Coupling type	Size	Disk spring layer	Sprocket	Bore	Torque set

**RUFLEX® max.**



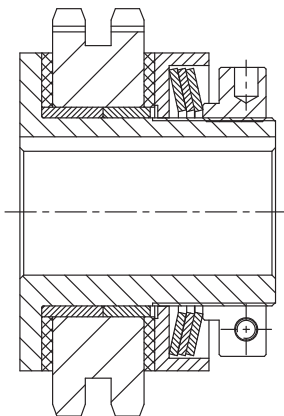
- RUFLEX® for assemblies with wide driving components
- E. g. double and triple sprockets
- Detailed adjustment to the customer's dimensions possible
- Also available as a complete unit with sprocket
- Other sizes of RUFLEX® max. on request
- Please mention the width of driving component "b" in your order
- Finish bore according to ISO fit H7, feather keyway according to DIN 6885 sheet 1 - JS9



Technical Data												
Size	Max. speed [min <sup>-1</sup> ]	Torques [Nm]			Dimensions [mm]							
		1TF	2TF	3TF <sup>2)</sup>	Bore $d_2$		$D_2$	$D_N$	B	$b_{\max}$	$d_1$ <sup>1)</sup>	$L_{R \max}$
					Pilot bore	max.						
01	6600	5-35	10-70	–	–	22	58	40	16	33	40	70
1	5600	20-75	40-150	130-200	–	25	68	45	17	43	44	85
2	4300	25-140	50-280	250-400	–	35	88	58	19	54	58	100
3	3300	50-300	100-600	550-800	–	45	115	75	21	62	72	115

1) Dimension  $d_1$  for bores F8

2) To use only for designs with limited dimensions



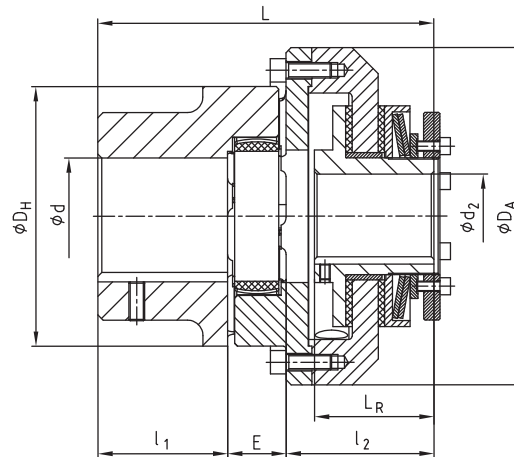
- RUFLEX® max. with sprocket mounted
- available as a complete unit with torque pre-set

Order form:	<b>RUFLEX® max.</b>	<b>1</b>	<b>2TF</b>	<b>35</b>	<b>Ø 20</b>
	Coupling type	Size	Disk spring layer	Width of driving components "b"	Bore

**RUFLEX® with torsionally flexible ROTEX®**



- RUFLEX® with ROTEX® as shaft-to-shaft-connection
- Torsionally flexible safety clutch
- Axial plug-in
- Able to compensate for misalignment
- Various kinds of elastomer hardness available
- Torque can be set while in place
- Easy assembly
- Finish bore according to ISO fit H7, feather keyway according to DIN 6885 sheet 1 - JS9

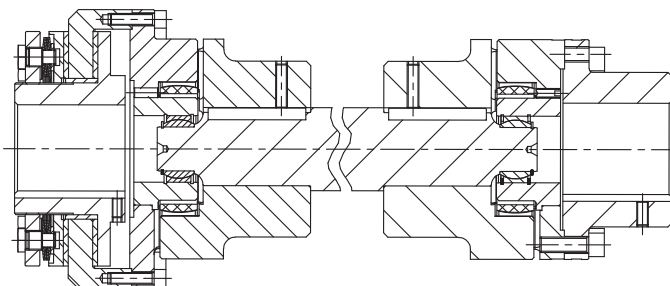


**Technical Data**

RUFLEX® size	ROTEX® size	RUFLEX® torques [Nm]			ROTEX® torques [Nm]		Dimension [mm]									
		1TF	2TF	3TF 2)	95/98 Shore A		Bore d <sub>2</sub>		Bore d <sub>max.</sub>	L	D <sub>A</sub>	L <sub>R</sub>	E	l <sub>1</sub>	l <sub>2</sub>	D <sub>H</sub>
					T <sub>KN</sub>	T <sub>K max.</sub>	Pilot bore	max.								
00	14	0,5-3	1-5	-	12,5	25	-	10	16	59	44	31	13	11	35	30
0	19	2-10	4-20	-	17	34	-	20 1)	25	78	63	33	16	25	37	40
01	24	5-35	10-70	-	60	120	-	22	35	98	80	45	18	30	50	55
1	28	20-75	40-150	130-200	160	320	-	25	40	113	98	52	20	35	58	65
2	38	25-140	50-280	250-400	325	650	-	35	48	133	120	57	24	45	64	80
3	48	50-300	100-600	550-800	525	1050	-	45	62	166	162	68	28	56	82	105
4	75	90-600	180-1200	1100-1600	1465	2930	-	55	95	205	185	78	40	85	80	160
5	90	400-800	800-1600	1400-2100	3600	7200	-	65	110	259	260	92	45	100	114	200
6	100	300-1200	600-2400	-	4950	9900	38	80	115	290	285	102	50	110	130	225
7	110	600-2200	1200-4400	-	6000	12000	45	100	125	317	330	113	55	120	142	255
8	140	900-3400	1800-6800	-	11000	22000	58	120	160	372	410	115	65	155	152	320

1) Finish bore larger than Ø 19, keyway to DIN 6885 sheet 3

2) To use only for designs with limited dimensions



- RUFLEX® as intermediate shaft coupling
- for large shaft distance dimensions
- available in combination with ROTEX® or RADEX-N® steel laminae couplings

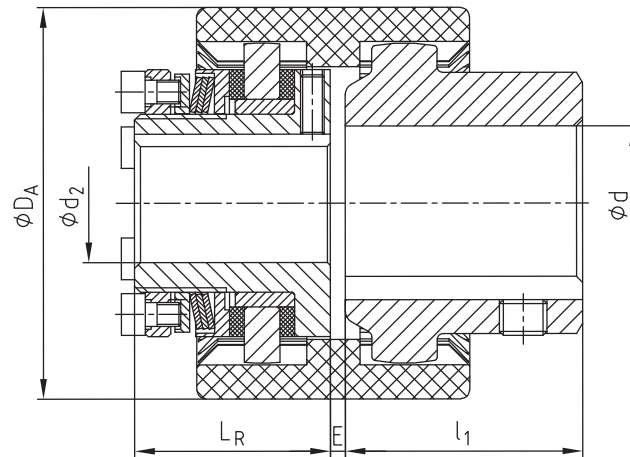
**Order form:**

RUFLEX®	1	2TF	Ø 20	ROTEX®	28	98 Sh A	Ø 25	100 Nm
Coupling type	Size	Disk spring layer	RUFLEX® bore	Coupling type	Size	Spider	ROTEX® bore	Torque set

RUFLEX® with torsionally rigid BoWex®



- RUFLEX® with BoWex® as shaft-to-shaft-connection
- Torsionally rigid safety clutch
- Axial plug-in
- Double-cardanic, able to compensate for misalignment
- For simple drives (low speeds, etc.)
- Easy assembly
- Finish bore according to ISO fit H7, feather keyway according to DIN 6885 sheet 1 - JS9

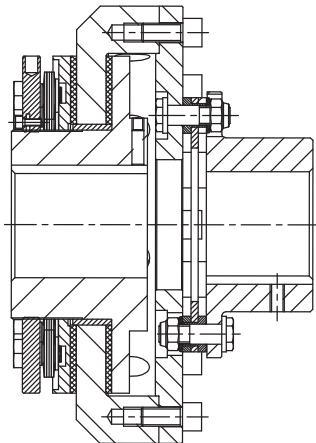


Technical Data

RUFLEX® size	BoWex® size	RUFLEX® torques [Nm]			BoWex® torques [Nm]		Dimensions [mm]						
		1TF	2TF	3TF <sup>2)</sup>	T <sub>KN</sub>	T <sub>K max.</sub>	Bore d <sub>2</sub>		Bore d <sub>max.</sub>	D <sub>A</sub>	L <sub>R</sub>	E	l <sub>1</sub>
							Pilot bore	max.					
00	19	0,5-3	1-5	–	16	32	–	10	19	48	31	2,5	25,0
0	28	2-10	4-20	–	45	90	–	20 <sup>1)</sup>	28	66	33	2,5	40,0
01	38	5-35	10-70	–	80	160	–	22	38	83	45	1,0	35,5
1	48	20-75	40-150	130-200	140	280	–	25	48	95	52	1,0	45,5
2	65	25-140	50-280	250-400	380	760	–	35	65	132	57	1,0	64,0

1) Finish bores larger than Ø 19 mm, keyway to DIN 6885 sheet 3

2) To use only for designs with limited dimensions



- RUFLEX® with torsionally rigid, backlash-free RADEX®-N steel laminae coupling
- suitable for high operating temperatures (up to 280 °C)
- with variable spacers for different shaft distance dimensions

Order form:

RUFLEX®	1	1TF	BoWex®	38	Ø 20	Ø 25	50 Nm
Coupling type	Size	Disk spring layer	Coupling type	Size	RUFLEX® bore	BoWex® bore	Torque set