

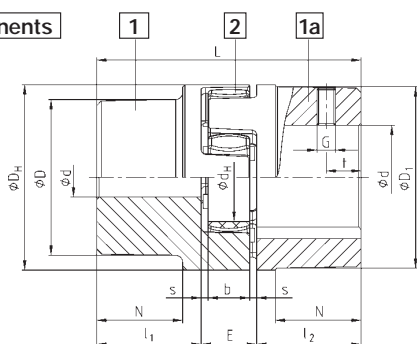
# ROTEX® Torsionally flexible couplings

## Shaft coupling design No. 001 - casted materials

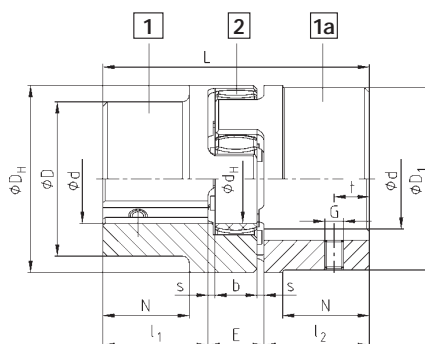


- Torsionally flexible, maintenance-free
- Damping vibrations
- Axial plug-in, fail-safe
- All-over machining – good dynamic properties
- Compact design/small flywheel effect
- Finish bore according to ISO fit H7, feather keyway according to DIN 6885 sheet 1 - JS9
- Basic programme/stock programme see pages 37 and 38
- Approved according to EC Standard 94/9/EC (without aluminium AL-D)
- Mounting instructions under [www.ktr.com](http://www.ktr.com)

### Components



AL-D (thread opposite the keyway)



EN-GJL-250 (GG 25) / EN-GJS-400-15 (GGG 40)  
(thread on the keyway)

ROTEX® Aluminium diecast (AI-D)																
Size	Component	Spider (part 2) <sup>1)</sup>			Finish bore d (min-max)	Dimensions [mm]										
		Rated torque [Nm]				General										
		92 Sh A	98 Sh A	64 Sh D		L	$l_1; l_2$	E	b	s	$D_H$	$d_H$	$D; D_1$	N	G <sup>2)</sup>	t
14	1a	7,5	12,5	-	6-16	35	11	13	10	1,5	30	10	30	-	M4	5
19	1	10	17	-	6-19	66	25	16	12	2	41	18	32	20	M5	10
	1a				19-24								41			
24	1	35	60	-	9-24	78	30	18	14	2	56	27	40	24	M5	10
	1a				22-28								56			
28	1	95	160	-	10-28	90	35	20	15	2,5	67	30	48	28	M8	15
	1a				28-38								67			

ROTEX® Cast iron EN-GJL-250 (GG 25)																	
Size	Component	92 Sh A	98 Sh A	64 Sh D	Finish bore d (min-max)	L	$l_1; l_2$	E	b	s	$D_H$	$d_H$	$D; D_1$	N	G <sup>2)</sup>	t	
38	1	190	325	405	12-38	114	45	24	18	3	80	38	66	37	M8	15	
	1a				38-45								78				62
	1b				164								70				
42	1	265	450	560	14-42	126	50	26	20	3	95	46	75	40	M8	20	
	1a				42-55								94				65
	1b				176								75				
48	1	310	525	655	15-48	140	56	28	21	3,5	105	51	85	45	M8	20	
	1a				48-60								104				69
	1b				188								80				
55	1	410	685	825	20-55	160	65	30	22	4	120	60	98	52	M10	20	
	1a				55-70								118				
65	1	625	940	1175	22-65	185	75	35	26	4,5	135	68	115	61	M10	20	
75	1	1280	1920	2400	30-75	210	85	40	30	5	160	80	135	69	M10	25	
90	1	2400	3600	4500	40-90	245	100	45	34	5,5	200	100	160	81	M12	30	

ROTEX® Nodular iron EN-GJS-400-15 (GGG 40)																
Size	Component	92 Sh A	98 Sh A	64 Sh D	Finish bore d (min-max)	L	$l_1; l_2$	E	b	s	$D_H$	$d_H$	$D; D_1$	N	G <sup>2)</sup>	t
100	1	3300	4950	6185	50-115	270	110	50	38	6	225	113	180	89	M12	30
110	1	4800	7200	9000	60-125	295	120	55	42	6,5	255	127	200	96	M16	35
125	1	6650	10000	12500	60-145	340	140	60	46	7	290	147	230	112	M16	40
140	1	8550	12800	16000	60-160	375	155	65	50	7,5	320	165	255	124	M20	45
160	1	12800	19200	24000	80-185	425	175	75	57	9	370	190	290	140	M20	50
180	1	18650	28000	35000	85-200	475	195	85	64	10,5	420	220	325	156	M20	50

▲ = If no material is mentioned in the order, the calculation/order is based on the material marked with ▲.

1) Maximum torque of the coupling  $T_{Kmax.}$  = rated torque of the coupling  $T_{K Nenn.} \times 2$

2) From size 125 thread for setscrews on request.

### Order form:

ROTEX® - 38	EN-GJL-250	92	1 - Ø 38	1 - Ø 25
Coupling size	Material	Spider hardness [Shore A]	Hub design	Finish bore
			Hub design	Finish bore