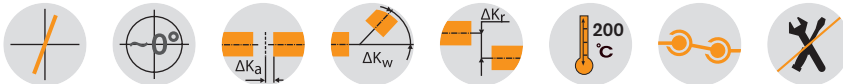


RADEX®-NC High-Torque DK and EK Servo lamina couplings

Double- and single-cardanic types



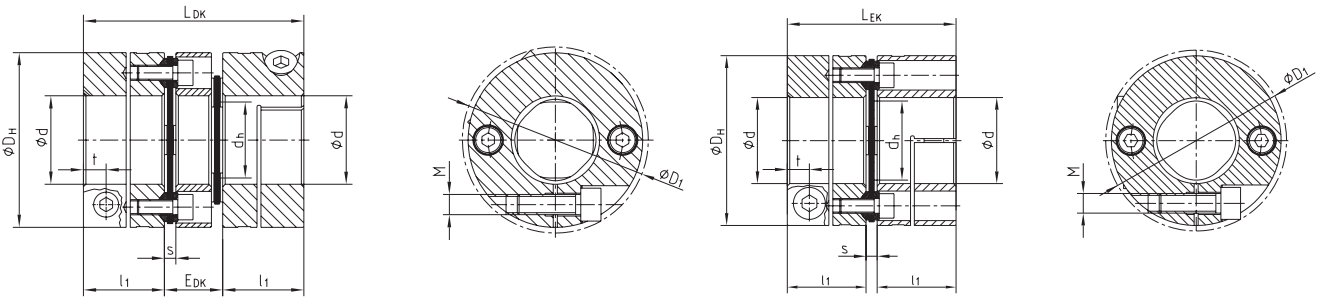
For legend of pictogram please refer to flapper on the cover



Hub design 2.5/2.6

Type: DK

Type: EK



RADEX®-NC HT Types DK and EK - Hub and spacer material aluminium/laminas stainless steel														
Size	Dimensions [mm]										Clamping screw		Mass moments of inertia	
	Max. d1, d2	DH	D1	l1, l2	LDK	EDK	LEK	dh	s	t	M	TA [Nm]	DK [kgm²]	EK [kgm²]
16	20	46	48.9	22	58.0	14.0	47.0	19.5	3.0	6.5	M6	10	0.000063	0.00005
21	30	58	59.2	25	68.0	18.0	53.0	24.0	3.0	6.2	M6	10	0.00018	0.00014
26	38	69	73.4	32	87.0	23.0	68.5	30.0	4.5	8.15	M8	25	0.00046	0.00036
36	45	84	86.8	35	93.6	23.6	74.8	48.0	4.8	10.0	M10	49	0.0011	0.00091

Technical data												
Size	TKN ¹⁾ [Nm]	TK max ¹⁾ [Nm]	Max. speed [rpm]	Torsion spring stiffness [Nm/rad]		Lamina shape	Displacements of type DK			Displacements of type EK		
				Type EK	Type DK		Radial [mm]	Axial [mm]	Angular each lamina [degree]	Radial [mm]	Axial [mm]	Angular each lamina [degree]
16	35	53	10,500	20,000	10,000	4 holes	0.16	1.00	1	—	0.50	1
21	70	105	8,500	40,000	20,000	4 holes	0.25	1.20	1	—	0.60	1
26	120	180	7,000	63,000	31,500	4 holes	0.30	1.60	1	—	0.80	1
36	340	510	6,700	250,000	125,000	6 holes	0.40	2.00	1	—	1.00	1

¹⁾ see page 18 et seqq.

Review of shaft-hub-connection: Friction torques T_R [Nm] for hub design 2.5																		
Size	Pilot bored	Ø10	Ø12	Ø14	Ø15	Ø16	Ø19	Ø20	Ø24	Ø25	Ø28	Ø30	Ø32	Ø35	Ø38	Ø40	Ø42	Ø45
16	5.5	28	30	31	32	32	34	35										
21	7.5		36	37	38	38	41	41	44	45	47	48						
26	9.5				82	83	87	88	93	94	98	100	103	106	110			
36	11.5						156	158	166	168	174	178	181	187	193	197	200	206

Types of hubs



Type 2.5 clamping hub
double slot without feather keyway

Type 2.6 clamping hub
double slot with feather keyway

Ordering example:	RADEX®-NC 21 HT	DK	2.5 - Ø20		2.5 - Ø25	
	Coupling size	Type	Hub design	Finish bore	Hub design	Finish bore