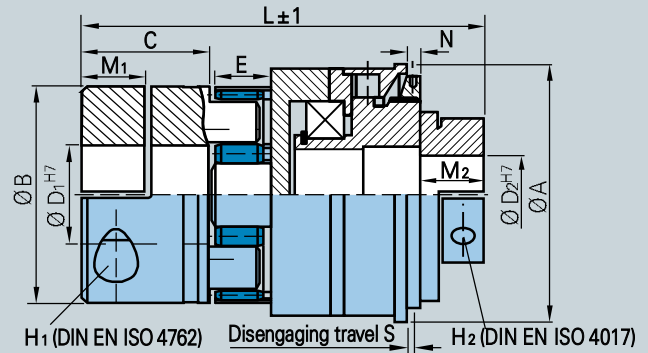


Backlash-free Safety Coupling Type DMK/EKn-Kn



Technical data series DMK/EKn-Kn

Type		30	60	150	300	500
Disengaging torque (Nm)	TKN version a	5-20	12-5	25-75	30-140	14-350
torque adjustment range	TKN version b	15-35	20-70	65-150	100-300	250-500
Moment of inertia (10 ⁻³ kgm ²)	J hub side	0,1	0,32	0,8	3	5
	J elastomer side	0,036	0,15	0,33	1,04	3,1
Weight (appr. kg)	m	0,5	1,4	2,8	4,6	7,5
Tightening torque of clamping screw (Nm) MA	H1	15	40	60/55	110/80	145
	H2	15	40	60/55	110/80	145
Max. rotational speed (rpm)	n _{max}	8950	7000	6000	5000	3600
Disengaging travel (mm)	S	1,2	1,2	2	2	2
Standard shore hardness of spider		98 SH A (rot) - (other shore hardnesses available)				

Dimensions (mm) series DMK/EKn-Kn

Type		30	60	150	300	500
A		65	75	95	115	129
B		40	55	65	80	105
C		25	30	35	45	56
D ₁ ^{H7}	min. - max.	10-20	20-28	24-35	32-44	40-60
D ₂ ^{H7}	min. - max.	12-20	15-25	20-35	30-45	35-50
E		16	18	18	24	26
H ₁ (DIN EN ISO 4762)		M6	M8	M10	M12	M12
H ₂ (DIN EN ISO 4762)		M6	M8	M10	M12	M12
L ± 1		100	118	132	162	180
M ₁		24	29	31	37	41
M ₂		30	40	42	50	59
N		6	6	7	9	8

Bore size range D1/D2 and applicable transmissible torque values (Nm)

Type	Ø10	Ø11	Ø13	Ø14	Ø15	Ø17	Ø17	Ø17	Ø17	Ø20	Ø24	Ø25	Ø27	Ø30	Ø32	Ø36	Ø38	Ø41	Ø42	Ø44	Ø48	Ø50	Ø55	Ø60	
30	17	17	17	17	17	17	17	17	17																
60		22	37	46	56	60	60	60	60	60	60														
150					56	68	114	134	160	160	160	160	160	160	160										
300								134	230	261	325	325	325	325	325	325	325								
500											329	450	450	450	450	450	435	450	450	450	450	450	500	500	500

Max. allowable misalignment: see page 13.

Couplings for torque ranges different from above also available!

Ordering data

DMK/E - 60 - EKn/25^{H7} - Kn/20^{H7} - 60Nm/b - C

type

size

hub on elastomer-side/bore-size

inner conical hub on safety element side / bore size

disengaging torque / torque adjustment range

C = single position re-engagement (360°) standard
D = multi position re-engagement

