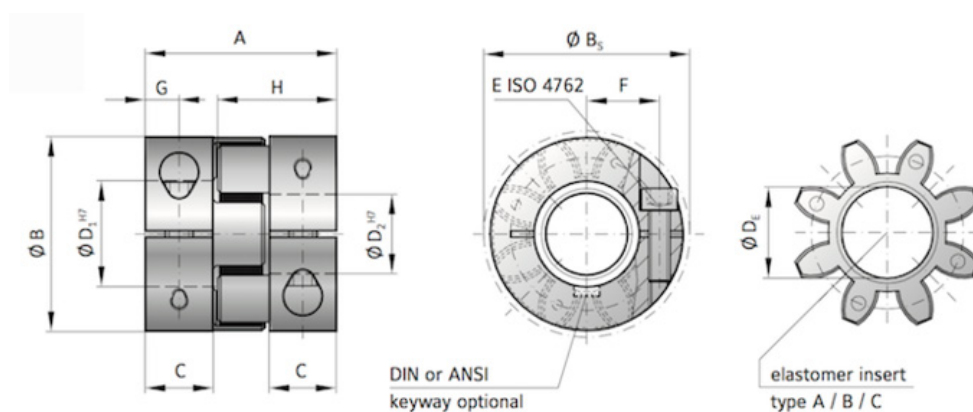




EKL ELASTOMER COUPLING WITH CLAMPING HUB



SPECIFICATIONS EKL

EKL Series	2	5	10	20	60	150	300	450	800
Type (Elastomer insert)	A B C	A B C	A B C	A B C	A B C	A B C	A B C	A B C	A B C
Rated torque (Nm) T_{KN}	2 2,4 0,5	9 12 2	12,5 16 4	17 21 6	60 75 20	160 200 42	325 405 84	530 660 95	950 1100 240
Fit length (mm) C	6	8	10,3	17	20	21	31	34	46
Inside diameter possible from \varnothing to \varnothing H7 (mm) $D_{1/2}$	3-8	4-12,7	4-16	8-25	12-32	19-36	20-45	28-60	35-80
Inside diameter of elastomer (mm) D_E	6,2	10,2	14,2	19,2	26,2	29,2	36,2	46,2	60,5
Outside diameter (mm) B	16	25	32	42	56	66,5	82	102	136,5
Outside diameter with screw head (mm) B_S	17	25	32	44,5	57	68	85	105	139
Moment of inertia per hub (10^{-3} kgm ²) J_1/J_2	0,0003	0,002	0,003	0,01	0,04	0,08	0,3	0,66	8
Approximate weight (kg)	0,008	0,02	0,05	0,12	0,3	0,5	0,9	1,5	8,5
Fastening screw ISO 4762 E	M2	M3	M4	M5	M6	M8	M10	M12	M16
Tightening torque of the fastening screw (Nm) E	0,6	2	4	8	15	35	70	120	290
Distance between centerlines (mm) F	5,5	8	10,5	15,5	21	24	29	38	50,5
Distance (mm) G	3	4	5	8,5	10	11	15	17,5	23
Speed standard (min ⁻¹)	15000	15000	13000	12500	11000	10000	9000	8000	4000
Hub length (mm) H	12	16,7	20,7	31	36	39	52	57	74
Maximum torque* (Nm) T_{Kmax}	4 4,8 1	18 24 4	25 32 6	34 42 12	120 150 35	320 400 85	650 810 170	1060 1350 190	1900 2150 400
Overall length (mm) A	20	26	32	50	58	62	86	94	123
Speed balanced (103min ⁻¹)	60 67 45	57 65 43	53 63 40	45 60 35	31 31 25	22 26 18	22 26 16	16 17 12	13 13 8
	2	5	10	20	60	150	300	450	800
CAD Portal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

PROPERTIES

Design: Two coupling hubs are concentrically machined with curved jaws.

Tolerance: Overall clearance between shaft and hub 0,01 to 0,05 mm.

Material:

clamping hub: up to series 450 high strength aluminum, from series 800 and up steel

elastomer insert: precision molded, wear resistant, and thermally stable polymer

Speeds: See table below, *Please contact R+W

ISO 2.5 balance grade available

Properties of Elastomer Coupling model EKL:

short compact design

easy assembly

vibration damping

electrically isolating

press fit design

backlash free