

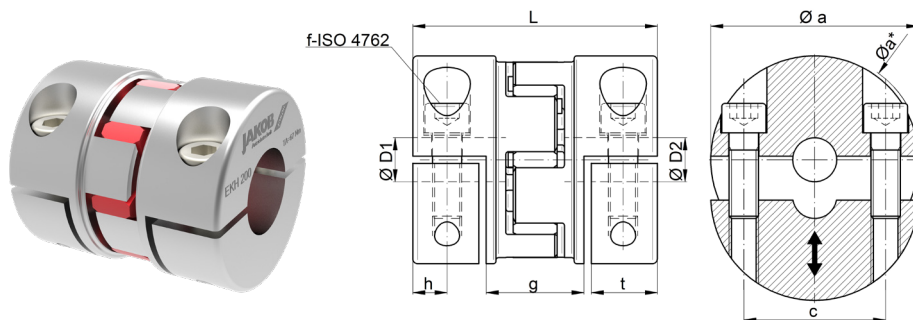
# Elastomer Coupling I Series EKH

with split-hub design / plug-in / backlash-free / stainless

technical data:

EKH	T <sub>N</sub>	hardness	moment of inertia	torsional stiffness (stat. 0,5 x T <sub>N</sub> )	max. shaft misalignment (mm)		lateral spring rate	tightening torque screw	n <sub>max</sub>
size	[Nm]	[shore]	[10 <sup>-3</sup> kgm <sup>2</sup> ]	[Nm/arcmin]	axial ±	lateral	[N/mm]	"f" [Nm]	[rpm]
15	15	98 Sh-A	0,03	0,24	0,5	0,10	2100	8	19000
20	20	72 Sh-D	0,03	0,46	0,5	0,07	2900	8	19000
30	30	98 Sh-A	0,09	0,7	0,5	0,10	2500	14	15000
45	45	72 Sh-D	0,09	1,1	0,5	0,07	3600	14	15000
60	60	98 Sh-A	0,2	1,0	0,5	0,10	2600	35	14000
90	90	72 Sh-D	0,2	2,0	0,5	0,07	3700	35	14000
150	150	98 Sh-A	0,4	1,2	1	0,10	3300	65	12000
200	200	72 Sh-D	0,4	2,3	1	0,07	4600	65	12000
300	300	98 Sh-A	1,0	3,6	1	0,12	4500	90	10000
400	400	72 Sh-D	1,0	7,0	1	0,10	6500	90	10000
700	700	98 Sh-A	6,0	8,0	1	0,15	7000	180	6500
1000	1000	72 Sh-D	6,0	12	1	0,10	9600	180	6500
2000	2000	98 Sh-A	62	21	1	0,15	9000	290	5000

material:  
 elastomer spider: polyurethane  
 split-hubs: high tensile aluminum  
 (size 2000 heat treated steel)  
 screws: ISO 4762 / 12.9 - coated



Dimensions [mm]: length dimensions according to DIN ISO 2768 cH

EKH	Ø a	Ø a*	c	g	h	t	L	f	mass ~ [kg]	Ø D 1/2 min	Ø D 1/2 max	Ø D 1/2 prebored
15	40	42	27	26	8,5	16	62	M5	0,17	7	20	8
20	40	42	27	26	8,5	16	62	M5	0,17	8	20	8
30	50	52	34	30	10	19	72	M6	0,3	9	26	10
45	50	52	34	30	10	19	72	M6	0,3	12	26	10
60	60	63	41	30	11,5	22	78	M8	0,5	12	30	12
90	60	63	41	30	11,5	22	78	M8	0,5	14	30	12
150	70	76	48	33	14	26	89	M10	0,75	16	35	16
200	70	76	48	33	14	26	89	M10	0,75	17	35	16
300	85	91	58	40	15	28	102	M12	1,3	19	42	19
400	85	91	58	40	15	28	102	M12	1,3	22	42	19
700	120	125	90	53	18	34	127	M14	3,2	28	70	24
1000	120	125	90	53	18	34	127	M14	3,2	35	70	24
2000	160	165	122	64	24	43	156	M16	18,5	45	100	32

**Installation Instructions:**

The split-hub design allows a backlash-free, force-fitted clamping connection with simple operation. For easy assembly, the fixed hub halves can be placed on the shaft pegs and the loose hub pieces can be screwed on. In the case of service, the complicated di-sassembly of the drive and output units isn't necessary. Misalignment errors between the input and output shafts can thus be easily controlled and corrected. The distance between the drive shaft and the output shaft must be greater than the dimension „g“.

order example: EKH 200 - D1 = 26 <sup>G6</sup> D2 = 32 <sup>H6</sup>