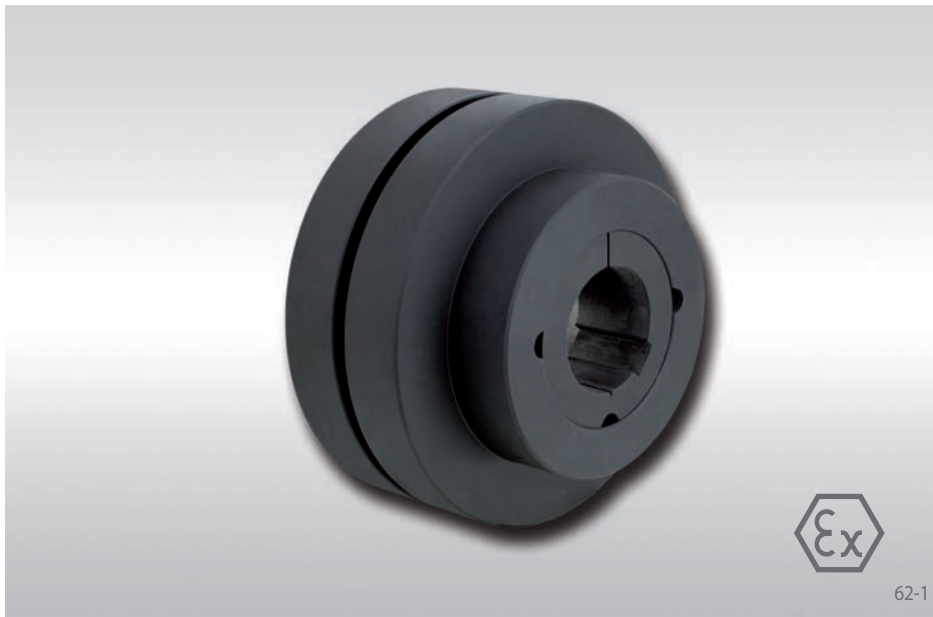


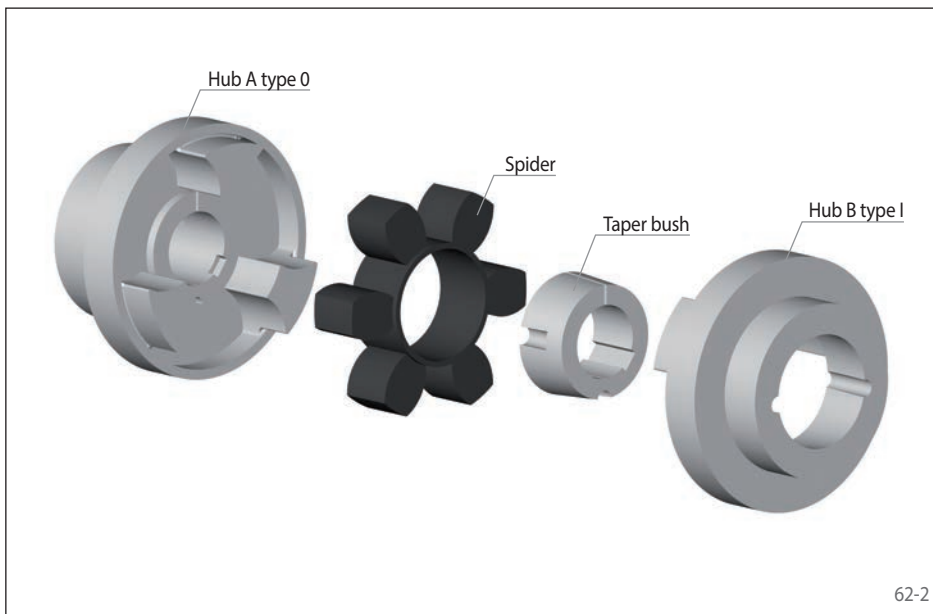
# Jaw Couplings REK ... ECO

elastic for standard applications  
with curved jaws



## Features

- Compensation of axial, radial and angular misalignments
- Adsorbs vibrations
- Progressive torsion spring properties due to primarily pressurised spiders
- Fail-safe in the event of the failure of the spider
- Maintenance free, no lubrication necessary
- Declaration of conformity in accordance with ATEX 2014/34/EU possible
- Typical application: Pump drives, ventilator drives, crane trolleys, machine tools, conveyor belts

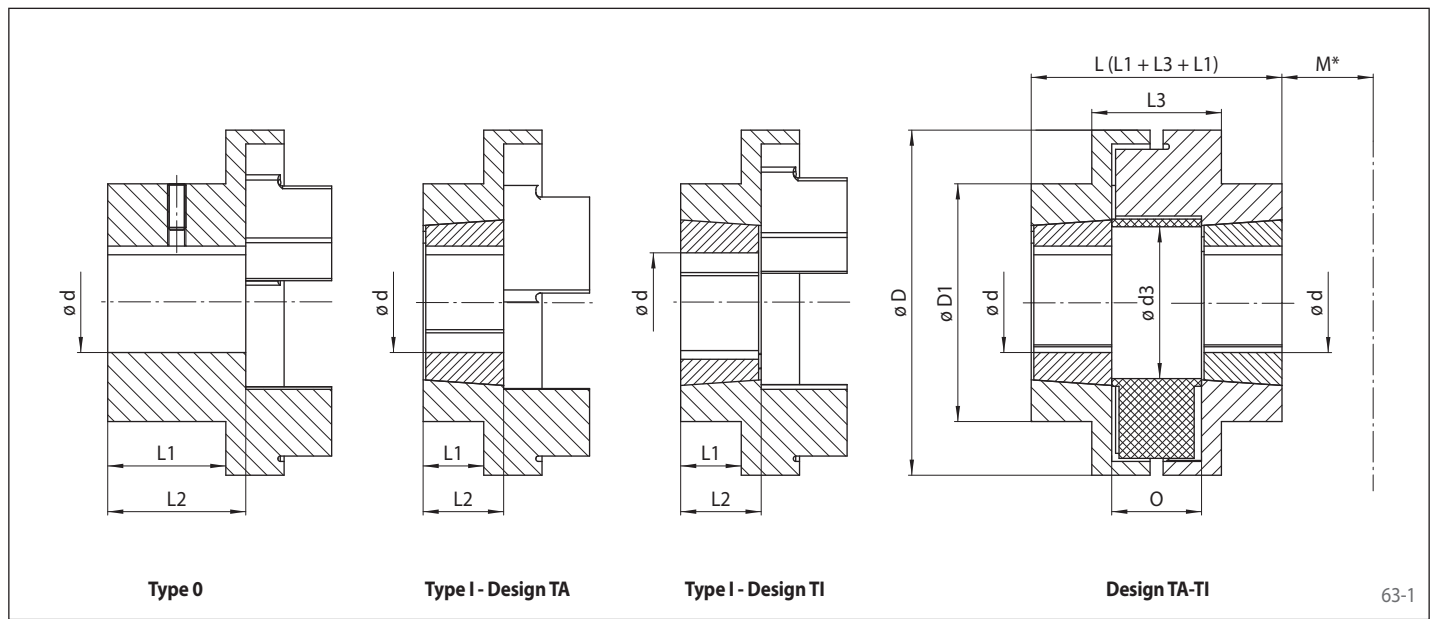


## Order example

Order example	Code
Coupling design	REK
Coupling size	0070
Type	ECO
Material of the hub:	GJL
• Cast iron	
Hub A, type:	
• 0, standard	0
• I, shortened for taper bush	1
Hub A, design:	
• roughbored	VA
• finish bored with keyway	FB
• finish bored with taper bush, mounting outside	TA
• finish bored with taper bush, mounting inside	TI
Bore diameter hub A	025
Hub B, type:	
• 0, standard	0
• I, shortened for taper bush	1
Hub B, design:	
• roughbored	VA
• finish bored with keyway	FB
• finish bored with taper bush, mounting outside	TA
• finish bored with taper bush, mounting inside	TI
Bore diameter hub B	032
Spider:	
NBR 80 Shore-A	NB80

REK 0070 ECO-GJL-0FB025-0FB032-NB80

elastic for standard applications  
with curved jaws



Coupling size	Nominal torque $T_{KN}$	Nominal power at $100 \text{ min}^{-1}$ $P_{K100}$	Max. torque $T_{Kmax}$	Max. speed $n_{max}$	Torsional stiffness $C_W$	Moment of inertia $J_k$	Permissible misalignments		
							Axial mm	Radial mm	Angular °
0070	31	0,33	72	8300	584,42	0,0003	+0,20	0,3	1
0090	80	0,84	180	6740	1461,04	0,0010	+0,49	0,3	
0110	160	1,68	360	5110	2750,20	0,0030	+0,61	0,3	
0130	315	3,30	720	4400	4812,85	0,0060	+0,79	0,4	
0150	600	6,28	1500	3820	10084,06	0,0100	+0,92	0,4	
0180	950	9,95	2350	3180	13750,99	0,0220	+1,09	0,4	
0230	2000	20,94	5000	2540	19251,38	0,0650	+1,32	0,5	
0280	3150	32,98	7200	2080	55003,95	0,1910	+1,70	0,5	

Moment of inertia refer to the design with taper bush with medium bore diameter.

Coupling size	Pilot bore $d^*$	Hub type 0 - Standard				Hub type I - Design TA and TI				D	D1	d3	L3	M**	O	Weight	
		Bore $d^*$		L1	L2	Taper bush size	Bore $d^*$		L1								L2
		min. mm	max. mm				min. mm	max. mm									
0070	8	10	32	21,0	26	1008	10	25	19,0	24,0	69	60	31	28,0	29	17,5	1,1
0090	8	10	42	26,0	32	1108	10	28	18,0	24,0	85	65	32	34,5	29	22,5	1,0
0110	8	10	55	37,0	45	1610	14	42	19,0	27,0	112	100	45	45,0	38	29,0	5,0
0130	16	20	60	46,0	55	1610	14	42	17,5	26,5	130	105	50	54,0	38	36,0	8,0
0150	16	20	70	50,0	60	2012	14	50	24,0	34,0	150	115	62	60,0	42	40,0	11,7
0180	35	30	80	58,0	70	2517	16	60	35,0	47,0	180	125	77	73,0	48	49,0	18,2
0230	35	40	100	77,0	90	3020	24	75	39,5	52,5	225	155	99	84,5	55	58,5	35,0
0280	45	50	115	88,5	105	3535	35	90	74,0	90,5	275	185	118	107,5	67	74,5	66,5

For finish bores, please specify bore diameter hub A and hub B. Tolerance of finish bores H7. Keyways in accordance with DIN 6885, sheet 1. Keyway tolerance JS9.

The weight refer to the design with taper bush with medium bore diameter.

See page 67 for dimensions of taper bushes.

For vertical installation, please contact RINGSPANN.

\* Bores also available in inch size, see page 68.

\*\* Minimum distance to install and disassemble the taper bush.

Elastomer element	Material	Hardness	Temperature range °C	Colour
NBR 80 Shore-A	Nitrile rubber	80 ±5 Shore-A	-40 to +100	black