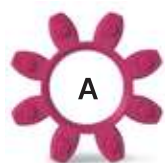
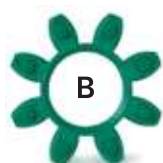


General informations R+W elastomer couplings

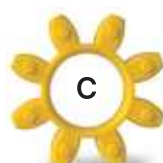
Sizes 2 – 800



Shore hardness
98 Sh A



Shore hardness
64 Sh D



Shore hardness
80 Sh A



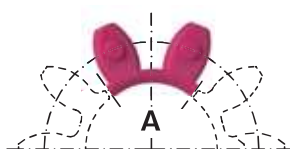
Shore hardness
65 Sh D



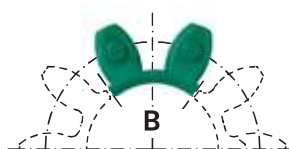
Shore hardness
64 Sh D

Sizes 2.500 – 9.500

The coupling includes 5x elastomer segments



Shore hardness 98 Sh A



Shore hardness 64 Sh D



Shore hardness 65 Sh D



Shore hardness 64 Sh D

Description of the elastomer inserts

Type	Shore hardness	Color	Material	Relative damping (ψ)	Temperature range	Features
A	98 Sh A	red	TPU	0.4 - 0.5	-30°C to +100°C	high damping
B	64 Sh D	green	TPU	0.3 - 0.45	-30°C to +120°C	high torsional stiffness
C	80 Sh A	yellow	TPU	0.3 - 0.4	-30°C to +100°C	very high damping
D*	65 Sh D	black	TPU	0.3 - 0.45	-10°C to + 70°C	electrically conductive
E	64 Sh D	beige	Hytrel	0.3 - 0.45	-50°C to +150°C	temperature resistant

* The electrical conductivity of the elastomer material is to prevent the electrostatic charging of the elastomer coupling system, to reduce the risk of sparking in operation. ATEX technical data is available upon request. The values of the relative damping were determined at 10 Hz and +20° C.

Sizes EK

Size*		2			5			10			20			60		
Type (Elastomer insert)		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Static torsional stiffness (Nm/rad)	C_T	50	115	17	150	350	53	260	600	90	1,140	2,500	520	3,290	9,750	1,400
Dynamic torsional stiffness (Nm/rad)	C_{Tdyn}	100	230	35	300	700	106	541	1,650	224	2,540	4,440	876	7,940	11,900	2,072
Lateral (mm)	Max. values	0.08	0.06	0.2	0.08	0.06	0.2	0.1	0.08	0.22	0.1	0.08	0.25	0.12	0.1	0.25
Angular (degree)		1	0.8	1.2	1	0.8	1.2	1	0.8	1.2	1	0.8	1.2	1	0.8	1.2
Axial (mm)		±1			±1			±1			±1,5			±1,5		

Size*		150			300			400			450			600		
Type (Elastomer insert)		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Static torsional stiffness (Nm/rad)	C_T	4,970	10,600	2,000	12,400	18,000	3,000	14,200	24,200	3,650	15,100	27,000	4,120	25,000	49,100	7,550
Dynamic torsional stiffness (Nm/rad)	C_{Tdyn}	13,400	29,300	3,590	23,700	40,400	6,090	43,200	66,300	7,050	55,400	81,200	11,600	63,600	136,800	21,200
Lateral (mm)	Max. values	0.15	0.12	0.3	0.18	0.14	0.35	0.2	0.16	0.35	0.2	0.18	0.35	0.22	0.18	0.36
Angular (degree)		1	0.8	1.2	1	0.8	1.2	1	0.8	1.2	1	0.8	1.2	1	0.8	1.2
Axial (mm)		±1,8			±2			±2			±2					

Size*		800			2.500		4.500		9.500	
Type (Elastomer insert)		A	B	C	A	B	A	B	A	B
Static torsional stiffness (Nm/rad)	C_T	41,300	66,080	10,320	87,600	109,000	167,000	372,000	590,000	670,000
Dynamic torsional stiffness (Nm/rad)	C_{Tdyn}	82,600	180,150	28,600	175,000	216,000	337,000	743,000	1,180,000	1,340,000
Lateral (mm)	Max. values	0.25	0.2	0.4	0.5	0.3	0.5	0.3	0.6	0.4
Angular (degree)		1	0.8	1.2	1.5	1	1.5	1	1.5	1
Axial (mm)		±2			±3		±3		±4	

Static torsional stiffness at 50% T_{KN} Dynamic torsional stiffness at T_{KN}

* Note: The technical values for elastomer inserts D and E correspond to the values for B, due to the identical Shore hardness.