

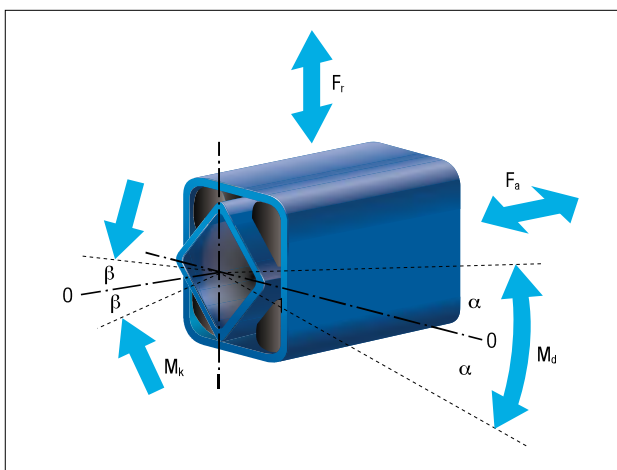
Selection table rubber suspension elements (Rubmix 10)

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		Type inner square			Page
		A Aluminium profile (from size 60 in steel)	C Aluminium profile	S Steel tube for plug-in connection	
		Illustration			
Type housing	DR Steel tube	DR-A 	DR-C 	DR-S 	2.4 – 2.6
	DK Aluminium profile	DK-A 	DK-C 	DK-S 	2.8 – 2.9
	DW Aluminium profile (from size 60 steel welded construction)	DW-A 15 to 50 	DW-C 15 to 50 	DW-S 15 to 50 	2.11 – 2.14
		DW-A 60 to 100 			
	DO Aluminium profile	DO-A 	DO-C 	DO-S 	2.15

- DK-C, DO-C and DO-S only on request.
- Note about accessories (BR, BK, WS) on pages 2.7, 2.10, 2.16.
- Aluminium profiles: extruded profiles, seawater resistant (DIN 1725).
- Blue paint: thickness 40–80 µm.
- Inner steel tube type S: electrodeposited galvanic zinc coating.
- Mounting bolts: strength class of 8.8.
- Welding heat will affect or destroy the rubber inserts – ask for customized elements.
- Stainless steel, zinc-plated versions or special paintings upon request.

List of torque and loads



The values stated in the below mentioned list have been measured statically and are valid for the standard rubber quality «Rubmix 10». Intermediate values can be interpolated.

By applications with combined dynamic forces and high angles of oscillation please see chapter 7 «Technology» or contact ROSTA.

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Element			Torque						Cardanic	Radial		Axial	
Nominal size	×	Length	M _d [Nm] angle ±α°						M _k [Nm] angle ±β°	Deflection ± s _r [mm]	Load F _r [N]	Deflection ± s _a [mm]	Load F _a [N]
			5°	10°	15°	20°	25°	30°	1°				
11	×	20	0.4	1.0	1.6	2.4	3.5	4.8	0.4	0.25	200	0.25	60
11	×	30	0.5	1.4	2.4	3.7	5.2	7.2	1.1	0.25	340	0.25	80
11	×	50	0.8	2.4	4.1	6.1	8.6	12.0	5.6	0.25	600	0.25	150
15	×	25	0.7	1.6	2.6	4.0	5.7	8.2	0.6	0.25	200	0.25	70
15	×	40	1.1	2.5	4.2	6.4	9.2	13.2	2.0	0.25	300	0.25	100
15	×	60	1.6	3.8	6.3	9.6	13.8	19.8	5.5	0.25	500	0.25	160
18	×	30	1.9	4.5	7.5	11.0	15.0	20.6	1.6	0.25	400	0.25	80
18	×	50	3.2	7.5	12.5	18.3	25.0	34.4	7.0	0.25	700	0.25	160
18	×	80	5.1	12.0	20.0	29.3	40.0	55.0	28.0	0.25	1000	0.25	300
27	×	40	4.7	10.7	17.5	26.9	39.5	57.0	3.8	0.5	800	0.5	200
27	×	60	7.0	16.0	26.3	40.3	59.3	85.5	11.5	0.5	1300	0.5	300
27	×	100	11.7	26.7	43.8	67.2	98.8	142.5	48.0	0.5	2400	0.5	600
38	×	60	13.0	30.4	50.6	78.0	113.0	162.0	11.4	0.5	1500	0.5	300
38	×	80	17.3	40.5	67.5	104.0	151.0	216.0	24.7	0.5	2000	0.5	500
38	×	120	26.0	60.8	101.2	156.0	226.0	324.0	76.0	0.5	3000	0.5	600
45	×	80	27.6	62.4	104.0	160.0	222.0	320.0	28.0	0.5	1900	0.5	560
45	×	100	34.5	78.0	130.0	200.0	278.0	400.0	54.0	0.5	3000	0.5	700
45	×	150	51.8	117.0	195.0	300.0	420.0	600.0	140.0	0.5	4800	0.5	1000
50	×	120	51	133	250	395	570	780	80	0.5	2800	0.5	800
50	×	160	77	197	363	570	820	1115	145	0.5	4500	0.5	950
50	×	200	102	260	475	745	1070	1450	250	0.5	6300	0.5	1100
50	×	300	150	385	700	1100	1590	2160	1200	0.5	8600	0.5	2200
60	×	150	75	170	300	460	700	1010	90	1.0	5400	1.0	1600
60	×	200	95	220	385	610	930	1380	250	1.0	7200	1.0	2200
60	×	300	140	365	630	995	1550	2240	900	1.0	9400	1.0	3200
70	×	200	140	380	650	1040	1490	2120	280	1.0	9000	1.0	2200
70	×	300	190	525	910	1470	2160	3150	1200	1.0	12000	1.0	3600
70	×	400	250	765	1315	2160	3175	4750	2200	1.0	14000	1.0	4000
80	×	200	200	500	850	1300	1900	2700	680	1.0	10000	1.0	2500
80	×	300	300	800	1300	2000	2900	4100	1500	1.0	15000	1.0	3800
80	×	400	400	1060	1800	2800	3900	5600	4600	1.0	19000	1.0	4700
100	×	250	400	1080	1800	2800	4100	6300	1200	1.0	15000	1.0	3200
100	×	400	640	1700	2900	4500	6600	10000	4300	1.0	28000	1.0	5800
100	×	500	800	2160	3600	5600	8200	12000	8000	1.0	38000	1.0	7500