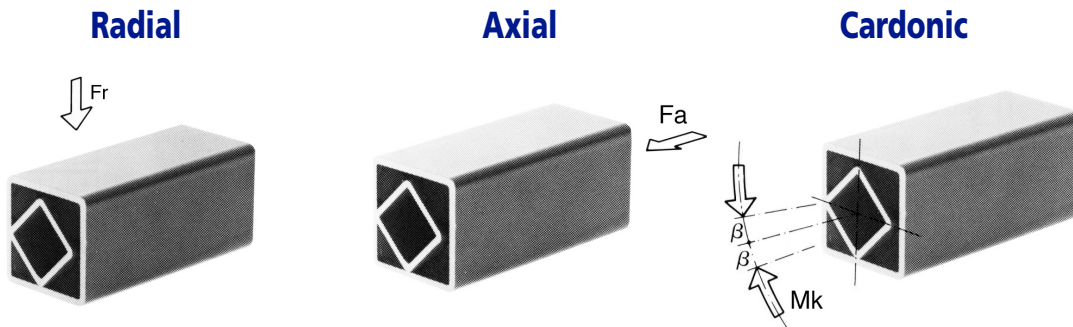


ANTI-VIBRATION & SPRINGS

Rosta Rubber Suspension Units



PERMISSIBLE LOADS - The values stated below are evaluated statically and are valid for the standard quality **Rubmix 10**. Intermediate values can be interpolated. Combined dynamic forces are to be reduced (after having consulted the manufacturer).

Unit Type DR DK DO	RADIAL		AXIAL		CARDONIC
	Max. Pitch of Spring in mm	Fr in N	Max. Pitch of Spring in mm	Fa in N	Mk in Nm at $\beta = 1^\circ$
1120	0.25	200	0.25	60	0.4
1130	0.25	240	0.25	80	1.1
1150	0.25	600	0.25	50	5.6
1525	0.25	200	0.25	70	0.6
1540	0.25	300	0.25	100	2.0
1560	0.25	500	0.25	160	5.5
1830	0.25	400	0.25	80	1.6
1850	0.25	700	0.25	160	7.0
1880	0.25	800	0.25	300	28.0
2740	0.50	800	0.50	200	3.8
2760	0.50	1300	0.50	300	11.5
27100	0.50	2400	0.50	600	48.0
3860	0.50	1500	0.50	300	11.4
3880	0.50	2000	0.50	500	24.7
38120	0.50	3000	0.50	600	76.0
4580	0.50	1900	0.50	560	28.0
45100	0.50	3000	0.50	700	54.0
45150	0.50	4800	0.50	1000	140.0
50120	0.50	2800	0.50	800	50.0
50200	0.50	6300	0.50	1100	250.0
50300	0.50	8600	0.50	2200	1200.0
60150	1.00	5400	1.00	1600	90.0
60200	1.00	7200	1.00	2200	220.0
60300	1.00	9400	1.00	3200	900.0
70200	1.00	9000	1.00	2200	280.0
70300	1.00	12000	1.00	3600	1200.0
70400	1.00	14000	1.00	4000	2200.0
80200	1.00	10200	1.00	2500	680.0
80300	1.00	15000	1.00	2800	1500.0
80400	1.00	19000	1.00	4700	4600.0
100250	1.00	15000	1.00	3200	1200.0
100400	1.00	35000	1.00	5800	4300.0
100500	1.00	38000	1.00	7500	8000.0

ONDRIVES

ANTI-VIBRATION & SPRINGS

Rosta Rubber Suspension Units

Torque M in Nm at α

	5°	10°	15°	20°	25°	30°
Type DRS						
DRS1120	0.3	0.8	1.3	2.0	2.9	4.0
DRS1130	0.4	1.2	2.0	3.1	4.3	6.0
DRS1150	0.7	2.0	3.4	5.1	7.2	10.0
DRS1525	0.7	1.6	2.6	4.0	5.7	8.2
DRS1540	1.1	2.5	4.2	6.4	9.2	13.2
DRS1560	1.6	3.8	6.3	9.6	13.8	19.8
DRS1830	1.9	4.5	7.5	11.0	15.0	20.6
DRS1850	3.2	7.5	12.5	18.3	25.0	34.4
DRS1880	5.1	12.0	20.0	29.3	40.0	55.0
DRS2740	4.7	10.7	17.5	26.9	39.5	57.0
DRS2760	7.0	16.0	26.3	40.3	59.3	85.5
DRS27100	11.7	26.7	43.8	67.2	98.8	142.5
DRS3860	13.0	30.4	50.6	78.0	113.0	162.0
DRS3880	17.3	40.5	67.5	104.0	151.0	216.0
DRS38120	26.0	60.8	101.2	156.0	226.0	324.0
DRS4580	27.6	62.4	104.0	160.0	222.0	320.0
DRS45100	34.5	78.0	130.0	200.0	278.0	400.0
DRS45150	51.8	117.0	195.0	300.0	420.0	600.0
DRS50120	50.0	126.0	198.0	342.0	495.0	750.0
DRS50200	70.0	190.0	342.0	562.0	882.0	1350.0
DRS50300	90.0	270.0	480.0	800.0	1280.0	2040.0
Type DRA						
DRA1525	0.7	1.6	2.6	4.0	5.7	8.2
DRA1540	1.1	2.5	4.2	6.4	9.2	13.2
DRA1560	1.6	3.8	6.3	9.6	13.8	19.8
DRA1830	1.9	4.5	7.5	11.0	15.0	20.6
DRA1850	3.2	7.5	12.5	18.3	25.0	34.4
DRA1880	5.1	12.0	20.0	29.3	40.0	55.0
DRA2740	4.7	10.7	17.5	26.9	39.5	57.0
DRA2760	7.0	16.0	26.3	40.3	59.3	85.5
DRA27100	11.7	26.7	43.8	67.2	98.8	142.5
DRA3860	13.0	30.4	50.6	78.0	113.0	162.0
DRA3880	17.3	40.5	67.5	104.0	151.0	216.0
DRA38120	26.0	60.8	101.2	156.0	226.0	324.0
DRA4580	27.6	62.4	104.0	160.0	222.0	320.0
DRA45100	34.5	78.0	130.0	200.0	278.0	400.0
DRA45150	51.8	117.0	195.0	300.0	420.0	600.0
DRA50120	50.0	126.0	198.0	342.0	495.0	750.0
DRA50200	70.0	190.0	342.0	562.0	882.0	1350.0
DRA50300	90.0	270.0	480.0	800.0	1280.0	2040.0
Type DKS						
DKS1120	0.3	0.8	1.3	2.0	2.9	4.0
DKS1130	0.4	1.2	2.0	3.1	4.3	6.0
DKS1150	0.7	2.0	3.4	5.1	7.2	10.0
DKS1525	0.7	1.6	2.6	4.0	5.7	8.2
DKS1540	1.1	2.5	4.2	6.4	9.2	13.2
DKS1560	1.6	3.8	6.3	9.6	13.8	19.8
DKS1830	1.9	4.5	7.5	11.0	15.0	20.6
DKS1850	3.2	7.5	12.5	18.3	25.0	34.4
DKS1880	5.1	12.0	20.0	29.3	40.0	55.0
DKS2740	4.7	10.7	17.5	26.9	39.5	57.0
DKS2760	7.0	16.0	26.3	40.3	59.3	85.5
DKS27100	11.7	26.7	43.8	67.2	98.8	142.5
DKS3860	13.0	30.4	50.6	78.0	113.0	162.0
DKS3880	17.3	40.5	67.5	104.0	151.0	216.0
DKS38120	26.0	60.8	101.2	156.0	226.0	324.0
DKS4580	27.6	62.4	104.0	160.0	222.2	320.0
DKS45100	34.5	78.0	130.0	200.0	278.0	400.0
DKS45150	51.8	117.0	195.0	300.0	420.0	600.0
DKS50120	50.0	126.0	198.0	342.0	495.0	750.0
DKS50200	70.0	190.0	342.0	562.0	882.0	1350.0
DKS50300	90.0	270.0	480.0	800.0	1280.0	2040.0

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ANTI-VIBRATION & SPRINGS

Rosta Rubber Suspension Units

Torque M in Nm at α

	5°	10°	15°	20°	25°	30°
Type DKA						
DKA1525	0.7	1.6	2.6	4.0	5.7	8.2
DKA1540	1.1	2.5	4.2	6.4	9.2	13.2
DKA1560	1.6	3.8	6.3	9.6	13.8	19.8
DKA1830	1.9	4.5	7.5	11.0	15.0	20.6
DKA1850	3.2	7.5	12.5	18.3	25.0	34.4
DKA1880	5.1	12.0	20.0	29.3	40.0	55.0
DKA2740	4.7	10.7	17.5	26.9	39.5	57.0
DKA2760	7.0	16.0	26.3	40.3	59.3	85.5
DKA27100	11.7	26.7	43.8	67.2	98.8	142.5
DKA3860	13.0	30.4	50.6	78.0	113.0	162.0
DKA3880	17.3	40.5	67.5	104.0	151.0	216.0
DKA38120	26.0	60.8	101.2	156.0	226.0	324.0
DKA4580	27.6	62.4	104.0	160.0	222.0	320.0
DKA45100	34.5	78.0	130.0	200.0	278.0	400.0
DKA45150	51.8	117.0	195.0	300.0	420.0	600.0
DKA50120	50.0	126.0	198.0	342.0	495.0	750.0
DKA50200	70.0	190.0	342.0	562.0	882.0	1350.0
DKA50300	90.0	270.0	480.0	800.0	1280.0	2040.0

	5°	10°	15°	20°	25°	30°
Type DOS						
DOS1525	0.7	1.6	2.6	4.0	5.7	8.2
DOS1540	1.1	2.5	4.2	6.4	9.2	13.2
DOS1560	1.6	3.8	6.3	9.6	13.8	19.8
DOS1830	1.9	4.5	7.5	11.0	15.0	20.6
DOS1850	3.2	7.5	12.5	18.3	25.0	34.4
DOS1880	5.1	12.0	20.0	29.3	40.0	55.0
DOS2740	4.7	10.7	17.5	26.9	39.5	57.0
DOS2760	7.0	16.0	26.3	40.3	59.3	85.5
DOS27100	11.7	26.7	43.8	67.2	98.8	142.5
DOS3860	13.0	30.4	50.6	78.0	113.0	162.0
DOS3880	17.3	40.5	67.5	104.0	151.0	216.0
DOS38120	26.0	60.8	101.2	156.0	226.0	324.0
DOS4580	27.6	62.4	104.0	160.0	222.0	320.0
DOS45100	34.5	78.0	130.0	200.0	278.0	400.0
DOS45150	51.8	117.0	195.0	300.0	420.0	600.0
DOS50120	50.0	126.0	198.0	342.0	495.0	750.0

	5°	10°	15°	20°	25°	30°
Type DOA						
DOA1525	0.7	1.6	2.6	4.0	5.7	8.2
DOA1540	1.1	2.5	4.2	6.4	9.2	13.2
DOA1560	1.6	3.8	6.3	9.6	13.8	19.8
DOA1830	1.9	4.5	7.5	11.0	15.0	20.6
DOA1850	3.2	7.5	12.5	18.3	25.0	34.4
DOA1880	5.1	12.0	20.0	29.3	40.0	55.0
DOA2740	4.7	10.7	17.5	26.9	39.5	57.0
DOA2760	7.0	16.0	26.3	40.3	59.3	85.5
DOA27100	11.7	26.7	43.8	67.2	98.8	142.5
DOA3860	13.0	30.4	50.6	78.0	113.0	162.0
DOA3880	17.3	40.5	67.5	104.0	151.0	216.0
DOA38120	26.0	60.8	101.2	156.0	226.0	324.0
DOA4580	27.6	62.4	104.0	160.0	222.0	320.0
DOA45100	34.5	78.0	130.0	200.0	278.0	400.0
DOA45150	51.8	117.0	195.0	300.0	420.0	600.0
DOA50120	50.0	126.0	198.0	342.0	495.0	750.0
DOA50200	70.0	190.0	342.0	562.0	882.0	1350.0

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