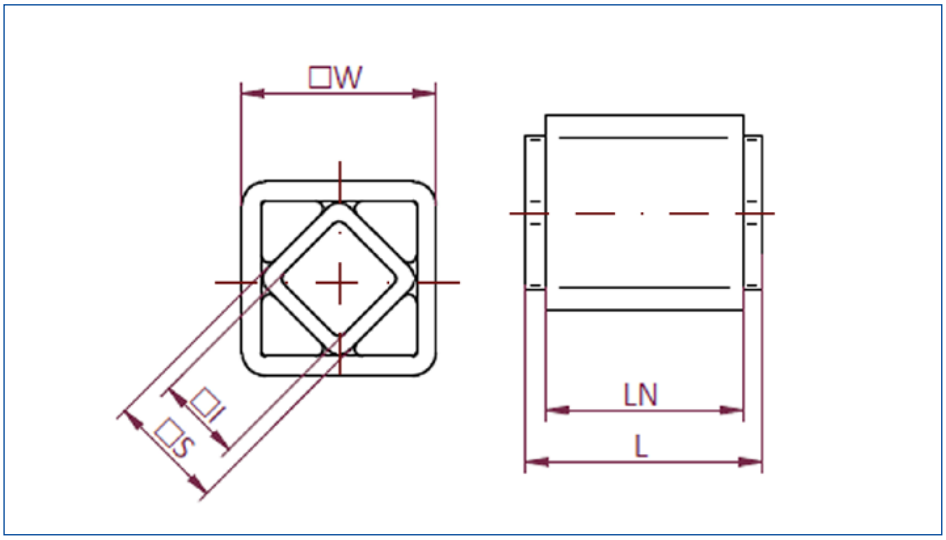
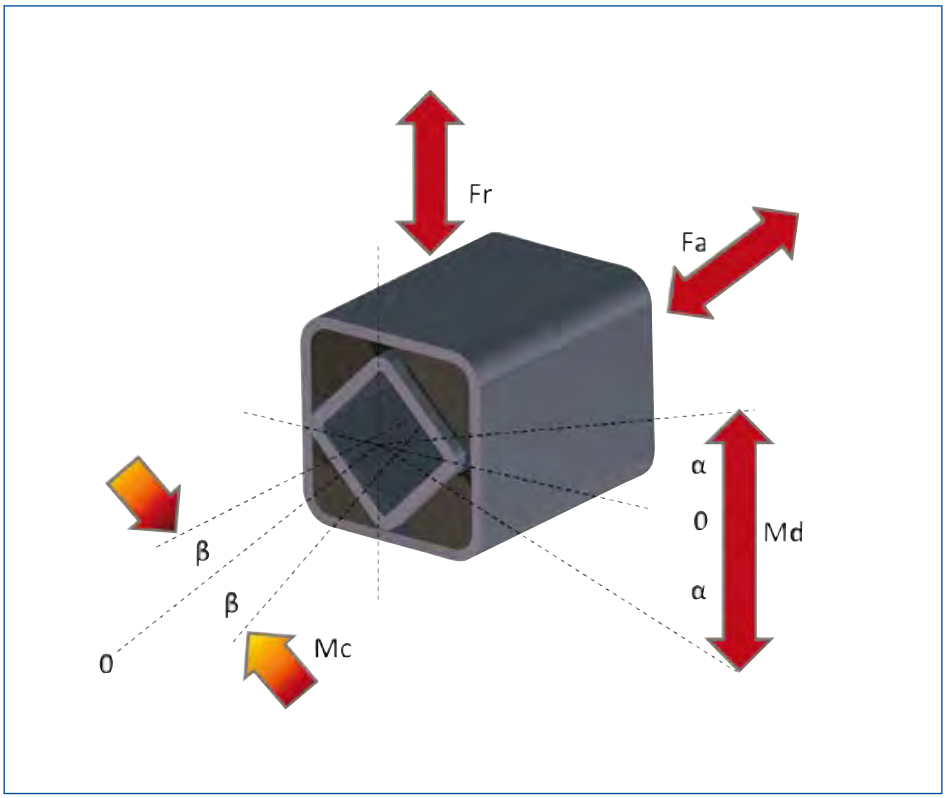
RUBBER SUSPENSION UNIT
TYPE LTS

The inner profile of the RESATEC rubber suspension unit type S enables a plug-in connection. The insertion depth of the inserted square should be at least 1.8 times the material cross-section (dimension S). The square should be made of bright steel with tolerance h11 and faceted edges. On the outside, the element is inserted into a sleeve tube or fastened with the RESATEC mounting bracket type MS. An alternating deflection over the element zero position is not possible.





matching mounting bracket type MS
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RUBBER SUSPENSION UNIT
TYPE LTS

Dimensions / Material

type	□W	□S	LN	L	øI	no. of mounting brackets	weight	material		
	mm	mm	mm	mm	mm	type / MS	kg	outer square tube	core profile	rubber
LTS 3 – 25	27	15	25	30	11	1	0.08	steel S235JR / galvanized	steel S235JR / galvanized	SBR based / mixture code C
LTS 3 – 40			40	45			0.12			
LTS 3 – 60			60	65			0.18			
LTS 4 – 30	32	18	30	35	12	1	0.11			
LTS 4 – 50			50	55			0.18			
LTS 4 – 80			80	85			0.28			
LTS 5 – 40	45	27	40	45	22	1	0.27			
LTS 5 – 60			60	65		1	0.4			
LTS 5 – 100			100	105		2	0.65			
LTS 6 – 60	60	38	60	70	30	1	0.66			
LTS 6 – 80			80	90		1	0.86			
LTS 6 – 120			120	130		2	1.27			
LTS 7 – 80	75	45	80	90	35	1	1.57			
LTS 7 – 100			100	110		2	1.95			
LTS 7 – 150			150	160		3	2.9			
LTS 8 – 120	80	50	120	130	40	2	2.58			
LTS 8 – 200			200	210		3	4.25			
LTS 8 – 300			300	310		4	6.34			

Perfomance parameters

type	MC @ β +/-1°	radial		axial		torque and max. excitation frequency at angle α															
		deflection	load	deflection	load	α +/- 4°		α +/- 8°		α +/- 12°		α +/- 16°		α +/- 20°		α +/- 24°		α +/- 28°		α +/- 32°	
	Nm	Sr mm	Fr N	Sa mm	Fa N	Nm	min $^{-1}$	Nm	min $^{-1}$	Nm	min $^{-1}$	Nm	min $^{-1}$	Nm	min $^{-1}$	Nm	min $^{-1}$	Nm	min $^{-1}$	Nm	min $^{-1}$
LTS 3 – 25	0.6	0.25	214	0.25	69	0.6	1100	1.4	330	2.2	190	3.2	120	4.4	72	5.7	46	7.3	33	9.1	10
LTS 3 – 40	2		343		111	1		2.2		3.5		5.1		7		9.2		11.7		14.7	
LTS 3 – 60	5.47		513		166	1.5		3.2		5.2		7.5		10.1		13.1		16.5		20.3	
LTS 4 – 30	1.51	0.5	386	0.5	92	1.6	1050	3.37	330	5.38	190	7.71	110	10.4	72	13.6	46	17.4	33	21.8	10
LTS 4 – 50	6.68		644		153	2.67		5.64		9.07		13.1		17.9		23.6		30.4		38.4	
LTS 4 – 80	26.9		1030		245	4.27		9.01		14.5		20.8		28.3		37.3		47.8		60.2	
LTS 5 – 40	3.99	0.5	888	0.5	217	4.01	990	8.22	300	13.1	170	19.2	110	27	68	37	43	49.7	30	65.5	10
LTS 5 – 60	12.01		1333		325	6.02		12.4		19.8		29		40.9		56.2		75.6		100	
LTS 5 – 100	49.9		2221		542	10		20.6		32.9		48.3		67.9		93.2		125		166	
LTS 6 – 60	11.74	0.5	1564	0.5	372	11.3	900	23.7	280	38.5	150	56.7	92	79.6	57	108	38	144	28	188	10
LTS 6 – 80	25.4		2086		497	15.1		31.7		51.4		75.9		107		45		194		253	
LTS 6 – 120	78.3		3130		745	22.6		47.5		77.1		114		160		218		291		380	
LTS 7 – 80	27	0.5	2196	0.5	536	22.7	850	47.1	250	75.3	150	110	86	152	57	206	36	272	26	353	10
LTS 7 – 100	52.2		2745		669	28.4		58.9		94.1		137		190		256		338		439	
LTS 7 – 150	135		4063		991	42.1		87.8		141		206		286		385		508		658	
LTS 8 – 120	81.8	0.5	2828	0.5	690	37.2	840	94.2	250	171	150	267	85	382	53	517	36	671	24	844	10
LTS 8 – 200	263		5712		1393	74.6		184		329		209		723		971		1254		1540	
LTS 8 – 300	1235		8458		2063	111.4		272		485		751		1069		1440		1864		2342	