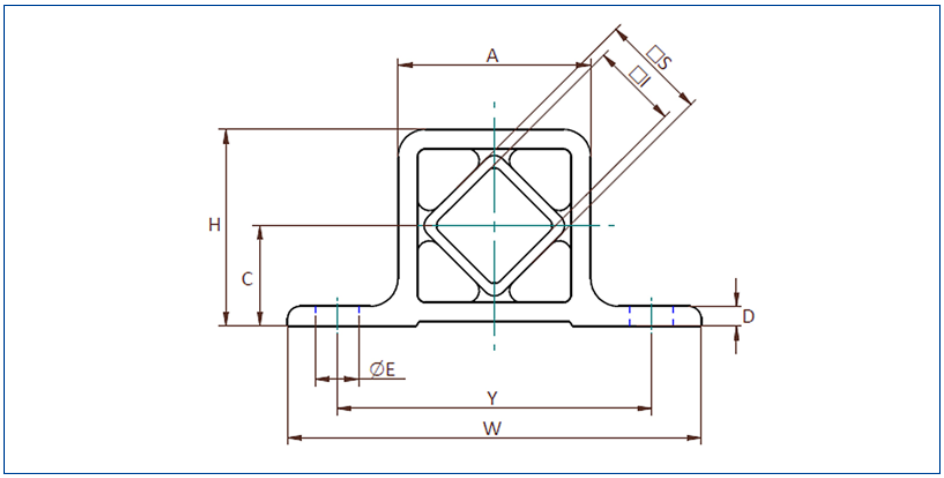
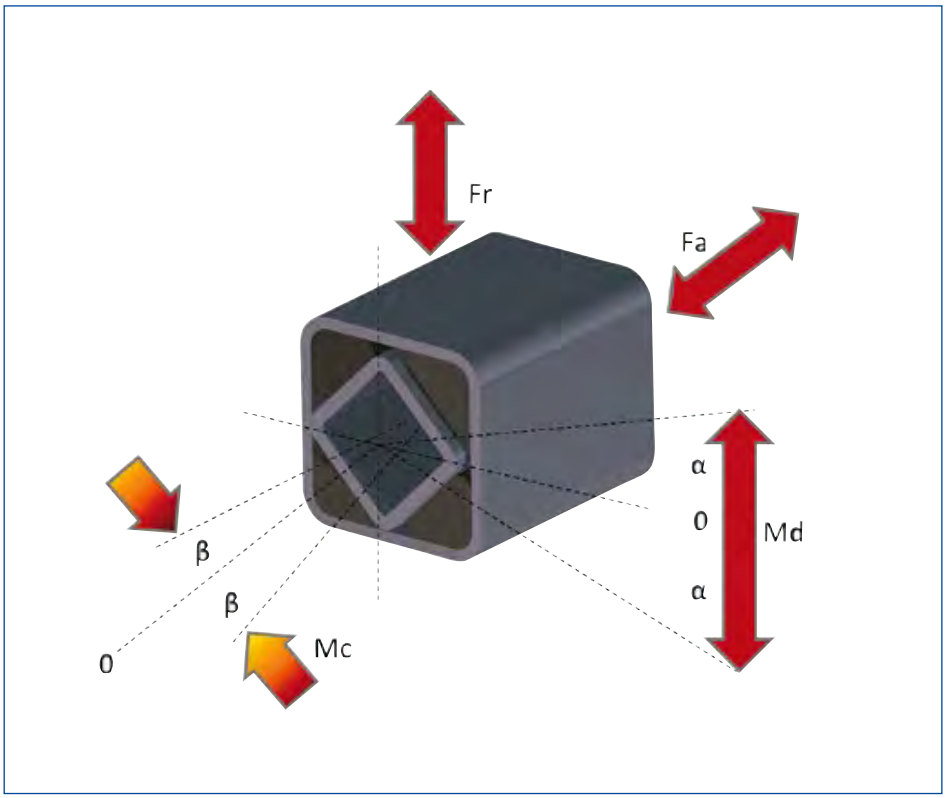
RUBBER SUSPENSION UNIT
TYPE LTB-S

The inner profile of the RESATEC rubber suspension unit type LTB-S enables a plug-in connection. The insertion depth of the inserted square should be at least1.8 times the material cross-section (dimension S). The square should be made of bright steel with tolerance h11and faceted edges. The outer housing can be fastened directly with quality 8.8 screws through the fastening holes in the flange section. An alternating deflection over the element zero position is not possible.





RUBBER SUSPENSION UNIT
TYPE LTB-S

Dimensions / Material

type	A	C	D	E	øE	øF	H	□I	L	LN	□S	W	Y	weight	material		
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	outer profile	core square tube	rubber
LTB-S 3 – 40	27	15	4	-	7	-	30	11	45	40	15	65	50	0.18	aluminium	steel S235JR / galvanized	SBR based / mixture code C
LTB-S 5 – 40	49	25.5	5	-	11	-	50	22	45	40	27	105	80	0.24			
LTB-S 5 – 60				-					65	60				0.35			
LTB-S 5 – 100				60					105	100				0.57			
LTB-S 6 – 60	66	34	6	-	13	-	67	30	70	60	38	125	100	0.65			
LTB-S 6 – 80				40					90	80				0.83			
LTB-S 6 – 120				80					130	120				1.24			
LTB-S 7 – 80	80	38.4	8	40	13	-	77	35	90	80	45	145	115	1.2			
LTB-S 7 – 100				65					110	100				1.49			
LTB-S 7 – 150				2x60					160	150				2.18			
LTB-S 8 – 120	80	45	13	60	17	38	90	40	130	120	50	170	130	2.55			
LTB-S 8 – 160				2x60					170	160				3.35			
LTB-S 8 – 200				2x70					210	200				4.23			
LTB-S 8 – 240				3x60					250	240				5.03			
LTB-S 8 – 320				4x60					330	320				6.78			

Perfomance parameters

type	MC @ β +/-1°	radial deflection	radial load	axial deflection	axial load	torque and max. excitation frequency at angle α															
						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 $^{-1}$
LTB-S 3 – 40	2	0.25	343	0.25	111	1	1100	2.2	330	3.5	190	5.1	120	7	72	9.2	46	11.7	33	14.7	10
LTB-S 5 – 40	3.99	0.5	888	0.5	217	4.01	900	8.22	300	13.1	170	19.2	110	27	68	37	43	49.7	30	65.5	10
LTB-S 5 – 60	12.01		1333		325	6.02		12.4		19.8		29		40.9		56.2		75.6		100	
LTB-S 5 – 100	49.9		2221		542	10		20.6		32.9		48.3		67.9		93.2		125		166	
LTB-S 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
LTB-S 6 – 80	25.4		2086		497	15.1		31.7		51.4		75.9		107		145		194		253	
LTB-S 6 – 120	78.3		3130		745	22.6		47.5		77.1		114		160		218		291		380	
LTB-S 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
LTB-S 7 – 100	52.2		2745		669	28.4		58.9		94.1		137		190		256		338		439	
LTB-S 7 – 150	135		4063		991	42.1		87.8		141		206		286		385		508		658	
LTB-S 8 – 120	89.5	0.5	3442	0.5	840	72.9	840	139.5	250	209	150	289	85	390	53	519	36	685	24	898	10
LTB-S 8 – 160	115.8		4617		1126	87.8		187.2		280		388		523		696		920		1206	
LTB-S 8 – 200	288		5772		1408	122.2		234		350		485		654		870		1150		1506	
LTB-S 8 – 240	605		6919		1688	146.5		281		420		582		784		1044		1379		1807	
LTB-S 8 – 320	1677		9231		2252	195.4		374		560		776		1046		1393		1840		2411	