

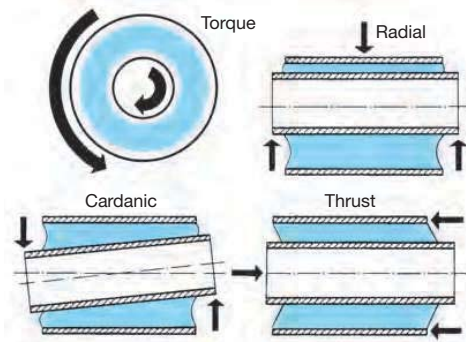
MEGI® Bushes

Megi HL bushes

Megi HL bushes can be subjected to radial, axial and torsional loads without the rubber being displaced in relation to the metal parts. A small cardanic angular displacement of the axis of the inner tube in relation to that of the outer tube or vice versa, is possible. The bearings are, however, relatively resistant to such angular displacement, whereby the resistance depends on the thickness, hardness and length of the rubber section.

The maximum continuous and peak radial, thrust and torsional loads are given in the table. They apply for highly resilient, particularly durable types of rubbers with a Shore A hardness of approx. 50°.

Types of deformation of Megi HL bushes:



Dimensions				Technical data										Number in package Part No. package	
Outer diameter	Inner diameter	Length of inner tube	Length of outer tube	Radial load		Axial load		Torsion							
				Max. stat. radial load	Radial spring constant	Max. stat. axial load	axial spring constant	Max. stat. torsional angle	Max. stat. torque	Torsional spring constant	Max. peak torsional angle	Max. peak torque			
D mm	d mm	l mm	L mm	F _r N	C _r N/mm	F _a N	C _a N/mm	φ degree	M _d Nm	C _φ Nm/degree	φ max degree	M _d max Nm			
24 ^{+0,08}	10 ^{H9}	17 ^{±0,1}	14 ^{+0,5}	200	491	160	103	15	1,3	0,09	30	2,6	735 009 S2	20	
26 ^{+0,08}	12 ^{H9}	24 ^{±0,2}	17,5 ^{+0,2}	690	1962	680	226	13	4,4	0,338	26	9,0	735 035	30	
26 ^{+0,08}	12 ^{H9}	36 ^{±0,2}	32 ^{+0,2}	1370	3924	840	422	13	8,0	0,61	26	15,0	735 091	50	
30 ^{±0,08}	13 ^{H9}	40 ^{-0,4}	40 ^{-0,4}	1670	3335	-	392	15	9,0	0,6	30	18,0	735 059	-	
30 ^{±0,08}	14 ^{±0,15}	76 ^{±0,1}	67 ^{±0,1}	3920	8829	2310	765	15	19,0	1,24	30	37,0	735 067	-	
34 ^{±0,15}	18 ^{H11}	36 ^{±0,2}	32 ^{±0,5}	1570	3237	830	417	14	12,0	0,9	28	25,0	735 043	20	
40 ^{±0,2}	26 ^{±0,2}	45 ^{±0,2}	40 ^{-0,2}	4910	14715	2550	1020	7	28,0	3,9	14	55,0	735 081	20	
45 ^{+0,08}	20 ^{H9}	62,5 ^{±0,2}	55 ^{-0,2}	3430	3924	1860	540	15	22,0	1,5	30	44,0	735 022 S1	20	
45 ^{+0,08}	20 ^{H9}	62,5 ^{±0,2}	59,5 ^{-0,2}	3920	4905	1910	608	15	30,0	2,0	30	60,0	735 022	20	
48 ^{-0,1}	27,8 ^{H9}	67 ^{±0,2}	60 ^{±0,2}	8830	14715	3340	961	11	60,0	5,3	22	120,0	735 074	-	
48 ^{-0,1}	27,8 ^{H9}	73 ^{±0,2}	60 ^{±0,2}	8830	14715	6300	961	11	60,0	5,3	22	120,0	735 075	-	
50 ^{±0,2}	25 ^{H9}	67,5 ^{±0,2}	65,5 ^{-0,2}	6380	6082	760	755	15	60,0	3,9	30	120,0	735 040	20	
55 ^{+0,08}	25 ^{H9}	93,5 ^{±0,2}	89,5 ^{-0,2}	9810	8829	1650	824	15	70,0	4,6	30	140,0	735 023	10	
55 ^{+0,08}	30 ^{H11}	94 ^{±0,2}	89,5 ^{-0,2}	13730	16677	2600	1177	13	100,0	7,6	26	200,0	735 078	20	
70 ^{+0,7}	50 ^{+0,1}	60 ^{±0,2}	60 ^{±0,2}	11770	19620	-	1511	6,5	140,0	21,1	13	270,0	735 039	10	
75 ^{-0,5}	40 ^{+0,2}	70 ^{±0,5}	57 ^{-0,5}	5890	4611	4510	697	14	130,0	9,1	28	260,0	735 038	10	
80 ^{±0,35}	50 ^{H11}	100 ^{±0,2}	95 ^{-0,2}	14720	14715	3430	1373	11	260,0	23,2	22	510,0	735 083	10	
85 ^{+0,5}	36 ^{H9}	102 ^{±0,5}	85 ^{±0,1}	6870	2943	4910	598	15	120,0	7,8	30	240,0	735 077	-	

Other dimensions and materials are available on request