

Metaxentric Bushes

Metaxentric bushes have a large rubber section with the central pin offset towards one radial plane. These bushes can provide a relatively large radial deflection whilst providing excellent motion control characteristics.

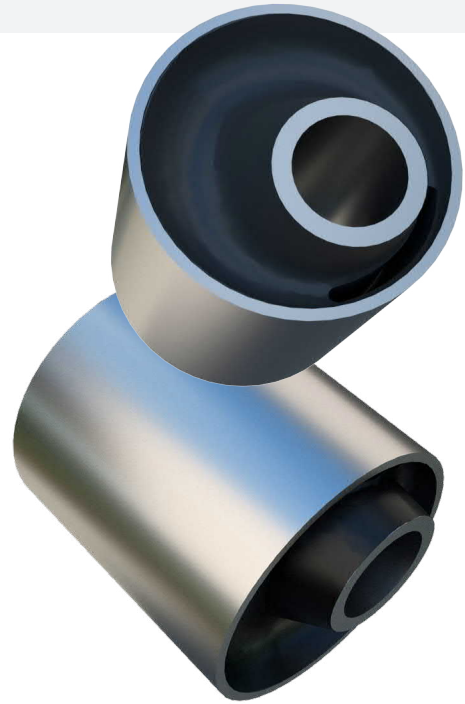
The bush has the following features:

- Three dissimilar translational stiffnesses for the best vibration isolation and motion control.
- Load range from 138 - 464 kg
- Rising rate stiffness characteristics for overload conditions help to limit motion and transmitted acceleration.
- Robust and fail-safe, suitable for ROPS and FOPS cab structures.
- Simple to fit, the housing lends itself to robust structures.

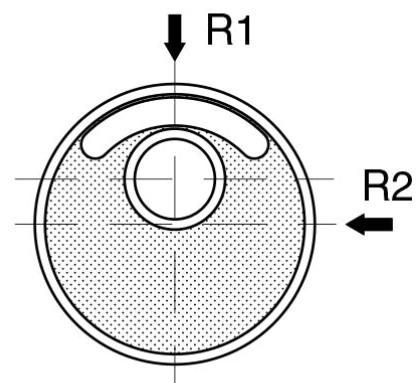
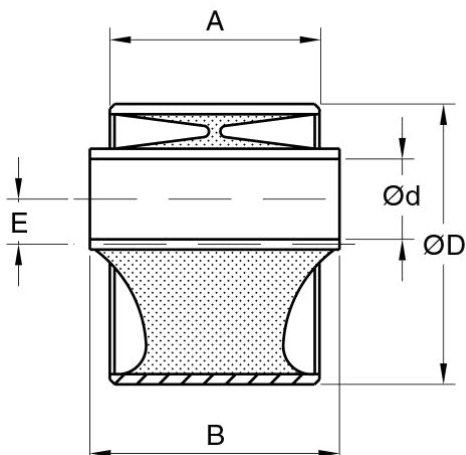
Metaxentric Bushes are similar to conventional UD Bushes but with inner and outer sleeves offset radially. This feature provides a greater rubber thickness and hence increased flexibility in the normal direction of loading, whilst maintaining control in other modes and still allowing torsional movement. The rubber section is relieved to eliminate harmful tensile stresses.

Typical Applications Include:

- Vehicle spring eye mounting
- Tilt Cab pivot bush
- Engine mounting



TECHNICAL DRAWING



Metaxentric Bushes

PRODUCT DATA

DRAWING NO.	PART NO.	TYPE	DIMENSIONS (mm)							DIRECTION R1			DIRECTION R2	AXIAL	
			Housing		Ød	Tolerance for Ød	A	B	E	STIFFNESS (N/mm)	MAX. DEF. (mm)	MAX. LOAD (Kg)	STIFFNESS (N/mm)	STIFFNESS (N/mm)	MAX. DEFLECTION (mm)
			ØD	Tolerance for ØD											
METAXENTRIC BUSH															
13-1270	10-00252	50 °IRHD	47.6	+0.07/-0.02	16	+0.07/-0.06	50.8	63.5	7.1	675	2	138	1350	190	3
	10-00253	60 °IRHD								1040		212	2080	290	
	10-04553	70 °IRHD								1200		245	2400	340	
002 18 960	49040515	35 NR 11	65	-0.09/-0.2	13	+/-0.2	50	60	5	130	4	49	310	70	2.5
	49040516	40 NR 11								170		64	400	95	
	49040517	45 NR 11								230		85	560	120	
13-2691	10-00296	50 °IRHD	75.3	+0.2/-0.1	24	+0.25/0	20.8	70	10.5	750	3.5	268	600	380	7
	10-00297	60 °IRHD								1200		325	910	610	
	10-02228	70 °IRHD								1760		628	1400	890	
13-1165	10-00244	50 °IRHD	88.9	+0.15/-0.03	25.4	+0.13/0	66.7	79.4	14.3	475	3.8	184	640	250	8
	10-00245	65 °IRHD								900		348	990	460	
	10-00246	70 °IRHD								972		377	1200	500	
002 18 937	49041844	40NR11	100	+0.22	25	+/-0.2	70	85	7	220	5	110	690	130	5
	49026595	48 NR 11								320		160	1100	210	
	49040286	48 AEM 33								340		170	1400	220	
	49041846	60NR11								600		300	1760	330	
	49041847	70NR11								900		450	2340	450	
002 18 979	49061816	40 NR 11	100	+0.22	32	+0.05/0	70	85	7	220	5	110	690	130	5
	49061815	48 NR 11								320		160	1100	210	
	49061777	60 NR 11								600		300	1760	330	
	49061814	70 NR 11								900		450	2340	450	
	49062249	80 NR 11								1670		835	4340	940	
13-1355	10-00262	45 °IRHD	101.6	+0.25/-0.25	43.7	+0.12/-0.06	63.5	72.4	9.5	682	3.5	243	1150	220	6
13-4059	10-00264	75 °IRHD								2360		840	3980	760	