Rubber Metal anti vibration mounts

AT ANTI VIBRATION MOUNTS

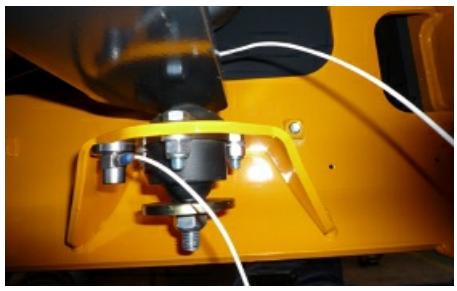
AMC-MECANOCAUCHO® AT anti vibration mounts are specifically designed to provide isolation for medium to high frequency applications. The rubber section is fully bonded to two concentric tubular parts. The inner metal is a plain tube design. The outer metal part is also mainly tubular but has a manufactured flanged effect at one end with a variation in the number of holes for attachment to it's support depending upon the size of mount.

TECHNICAL CHARACTERISTICS

Type AT mounts have a radial to axial stiffness ratio of 4 : 1 thus providing good horizontal stability. They are manufactured in three rubber hardnesses to facilitate the selection of the most suitable mount , Soft: A 45, Medium: B 60 and Hard: C75.

APPLICATIONS

The “A.T.” type mounts can be used to great advantage for the vibration isolation of : engines, piston compressors, presses, electric transformers, mobile units, machines, on concrete buttresses, etc.



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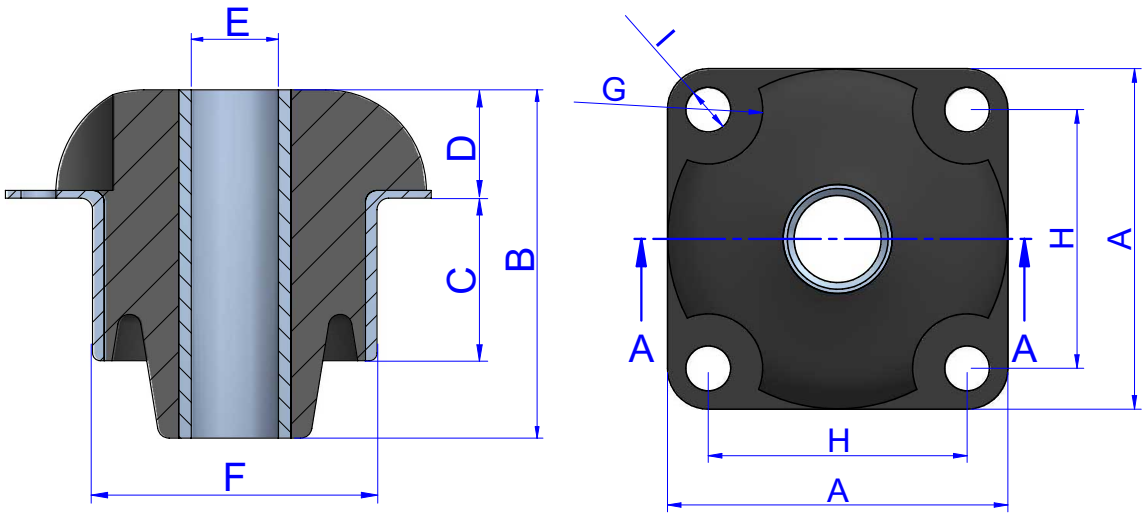
DRAWINGS



DIMENSIONS

Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 000	25	11	3	6,5	6,4	20	4	19	3,2	-	-	-	-	8	3	6	45 Sh	132171
																8	60 Sh	132172
																10	75 Sh	132173

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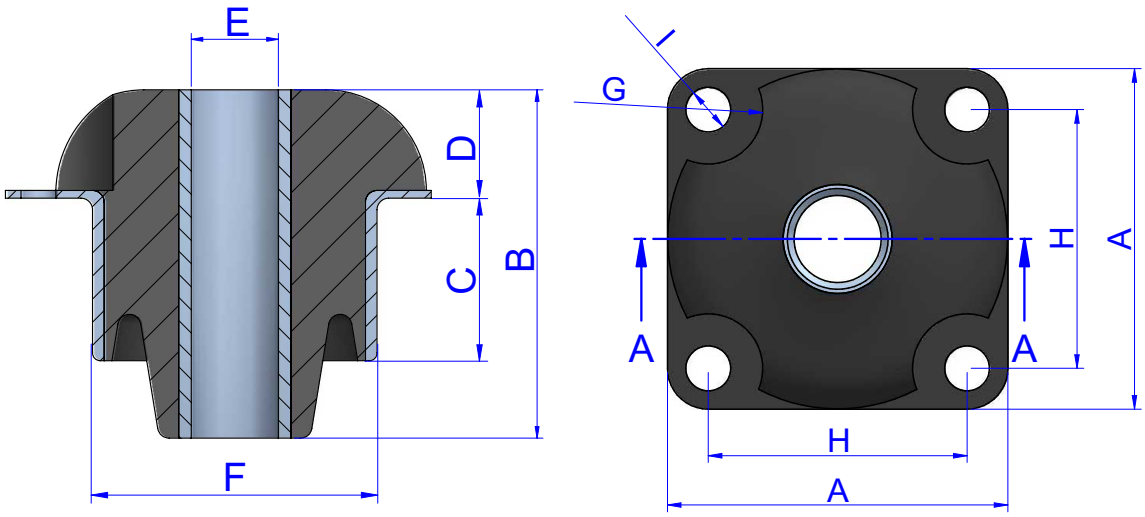

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 00	36	28	12	11,5	8,2	26	12	26	5,2	-	-	-	-	39	3	20	45 Sh	132101
																30	60 Sh	132102
																40	75 Sh	132103

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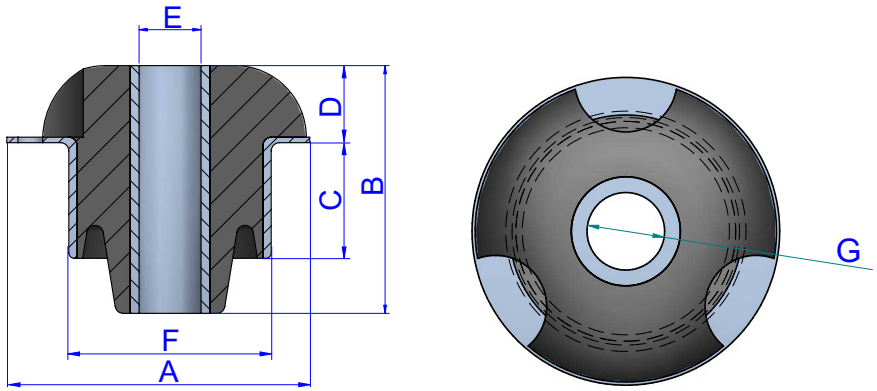

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 01	48	40	18	18	12,1	37,5	8	-	-	-	-	-	-		138	1	50	45 Sh	-
																	65	60 Sh	-
																	80	75 Sh	-

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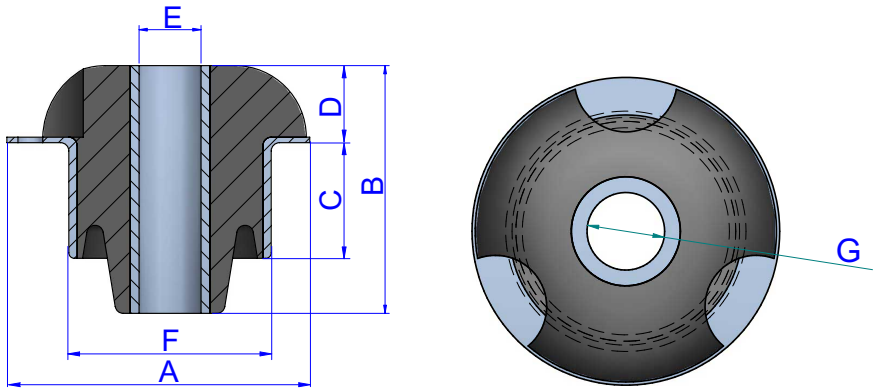

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 02	48	51	24	18	12,1	37,6	8	-	-	-	-	-	-	144	1	65	45 Sh	132104
																85	60 Sh	132105
																110	75 Sh	132106

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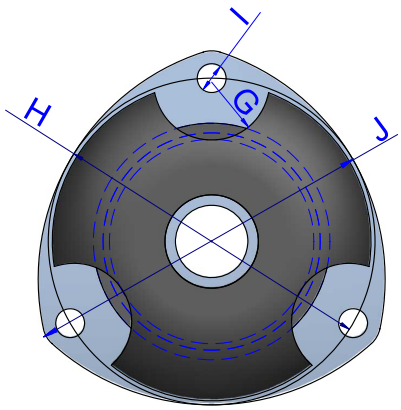

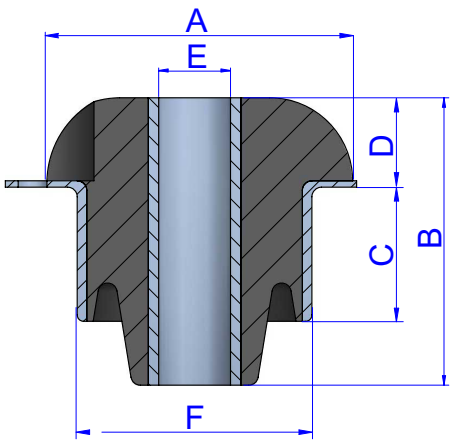

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 10	57	46,5	18	19	12,2	49	12,5	69	8,2	73	-	-	-	250	4	70	45 Sh	132175
																100	60 Sh	132176
																120	75 Sh	132177

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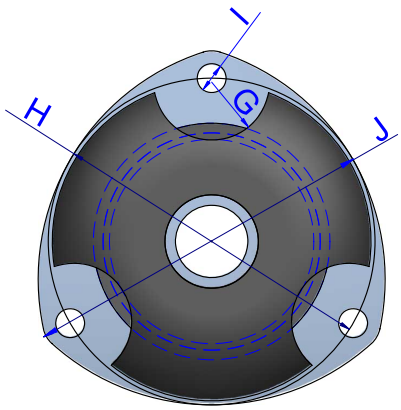

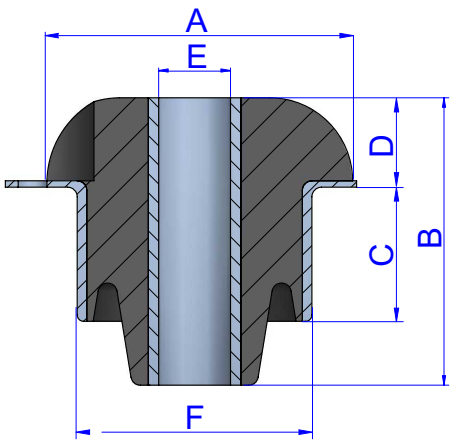

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 11	60	60	30,5	19	12,2	49	11	69	8,2	73	-	-	-	250	4	85	45 Sh	132107
																120	60 Sh	132108
																150	75 Sh	132109

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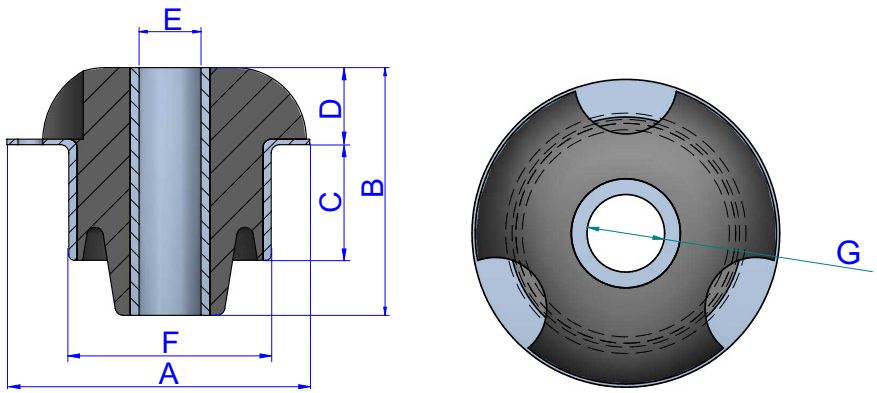

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 20	71	55	27,5	19	18,3	55,7	10	-	-	-	-	-	-	344	1	100	45 Sh	132110
																150	60 Sh	132111
																180	75 Sh	132112

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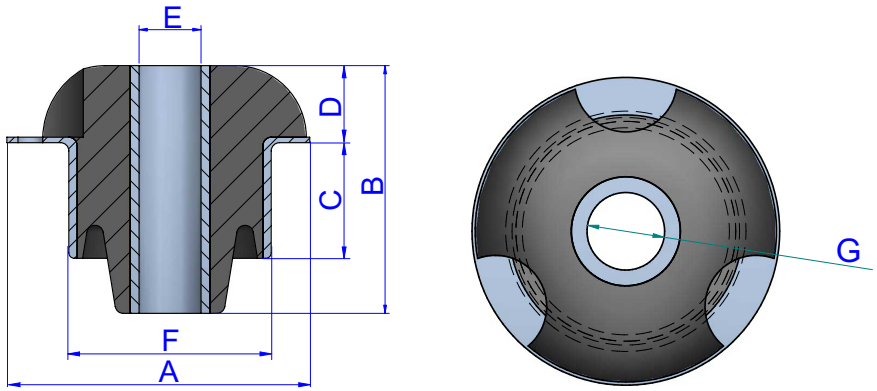

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 21 round	70	70	38,5	20,7	18,3	55,7	10	80	8,5	86	-	-	-	437	1	135	45 Sh	132113
																190	60 Sh	132114
																250	75 Sh	132115

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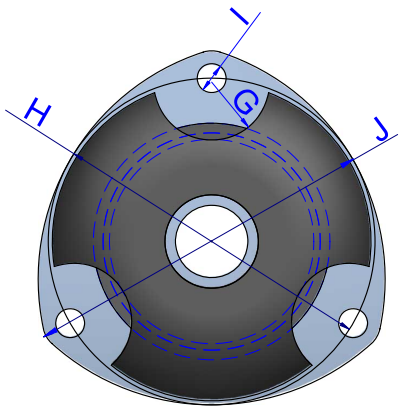

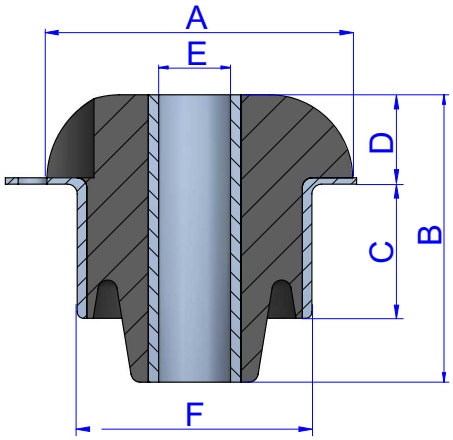

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 21 lugs	70	70	38,5	20,7	18,3	55,7	10	80	8,5	86	-	-	-	437	4	135	45 Sh	132116
																190	60 Sh	132117
																250	75 Sh	132118

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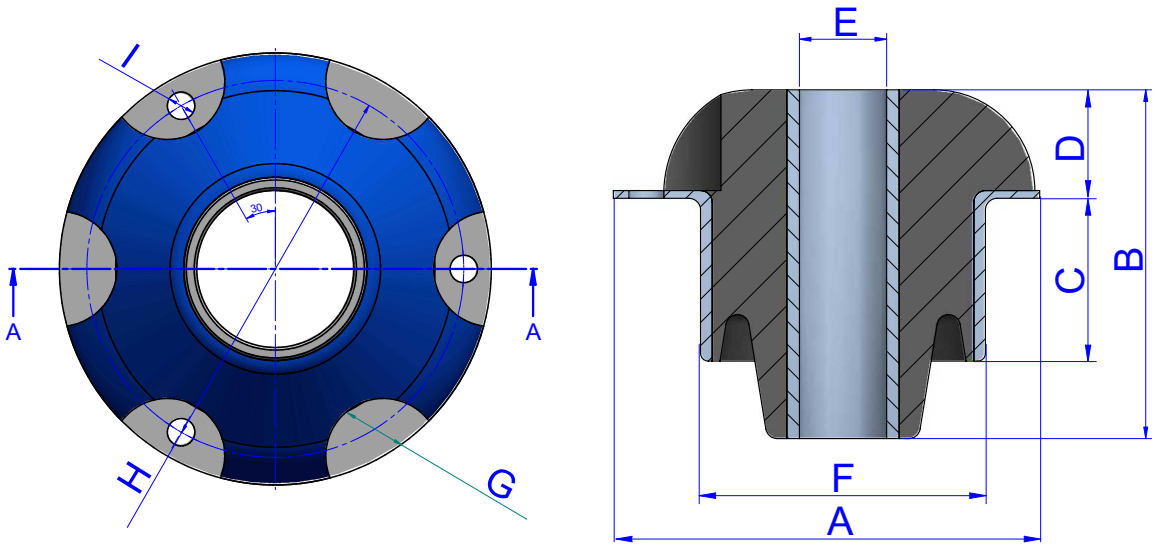

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 30	91	75	29	28	20,2	65	16	78	8,5	-	-	-	-	522	2	175	45 Sh	132119
																240	60 Sh	132131
																300	75 Sh	132132

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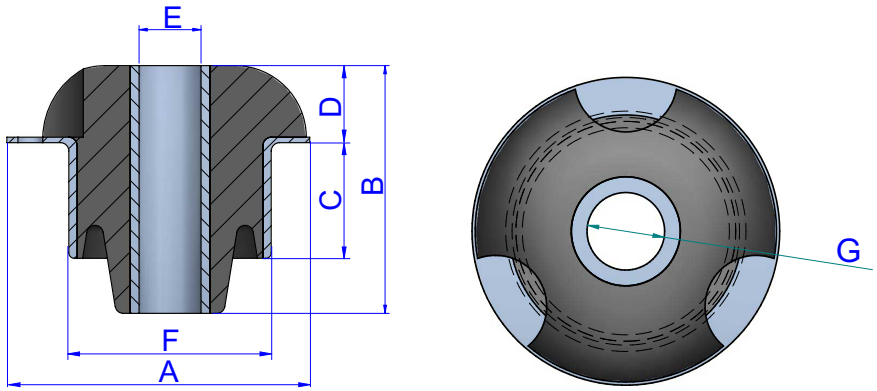

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 31 round	90	95	47	28	20,2	65	16	95	8,5	-	-	-	-	775	1	250	45 Sh	132133
																350	60 Sh	132134
																420	75 Sh	132135

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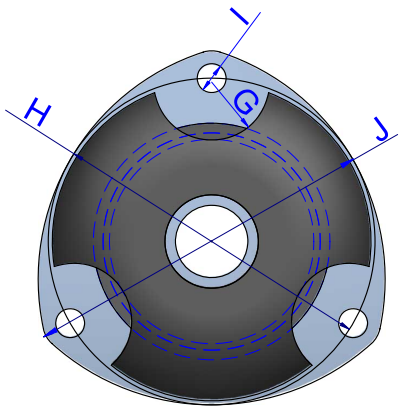

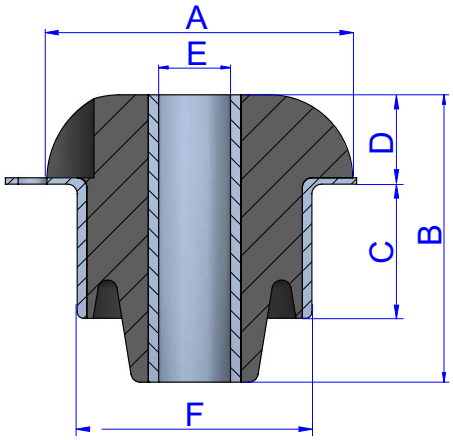

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 31 lugs	90	95	47	28	20,2	65	16	95	8,5	107	-	-	-	780	4	250	45 Sh	132136
																350	60 Sh	132137
																420	75 Sh	132138

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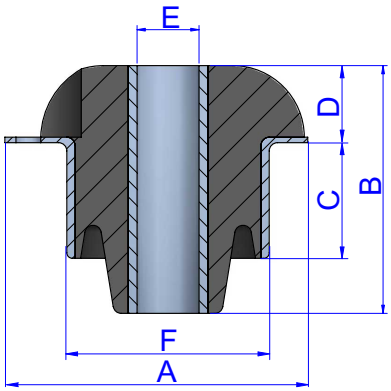

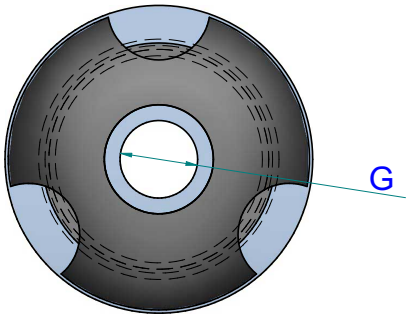

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 40 round	100	90	42	28	22,2	74	18	100	8,5	112	-	-	-	789	1	225	45 Sh	132139
																320	60 Sh	132140
																380	75 Sh	132141

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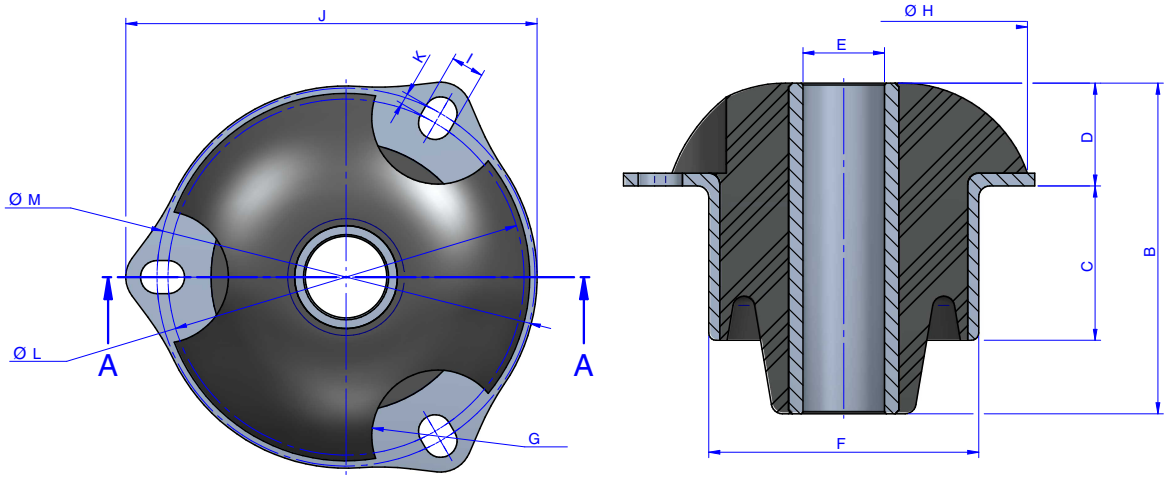

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 40 lugs	100	90	42	28	22,2	74	18	100	8,5	112	3	96.9	102.9	895	4	225	45 Sh	132142
																320	60 Sh	132143
																380	75 Sh	132144

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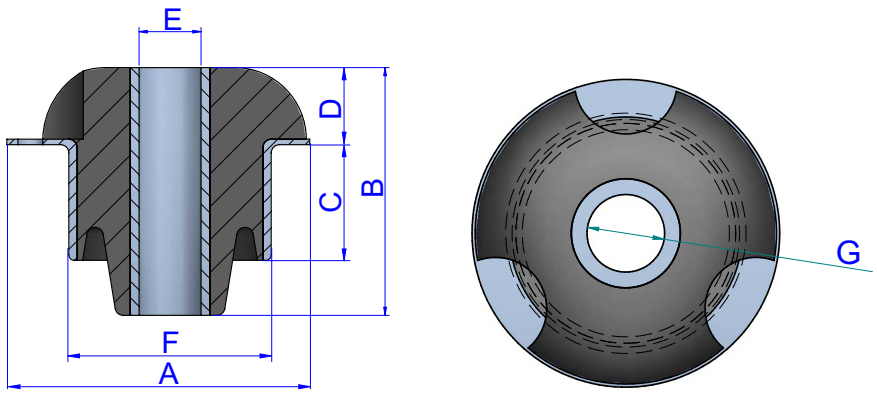

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 41 round	100	110	49	28	22,2	74	18	100	8,5	112	-	-	-	895	1	250	45 Sh	132145
																360	60 Sh	132146
																480	75 Sh	132147

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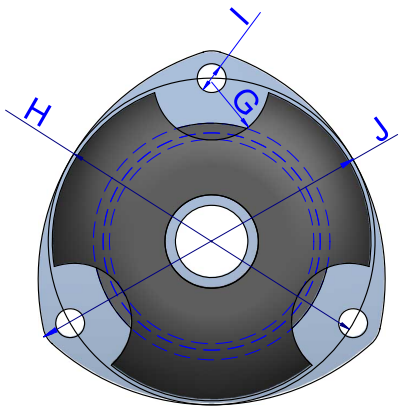

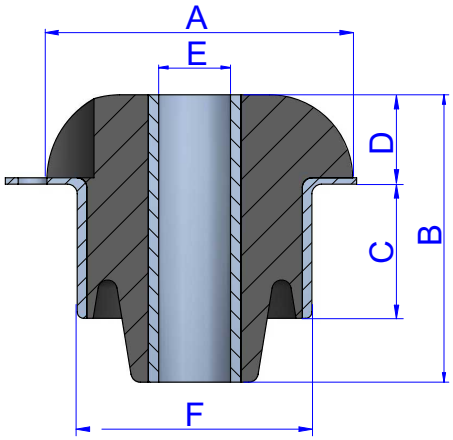

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 41 lugs	100	110	48	28,5	22	74	18	100	8	112	-	-	-	900	4	250	45 Sh	132148
																360	60 Sh	132149
																480	75 Sh	132161

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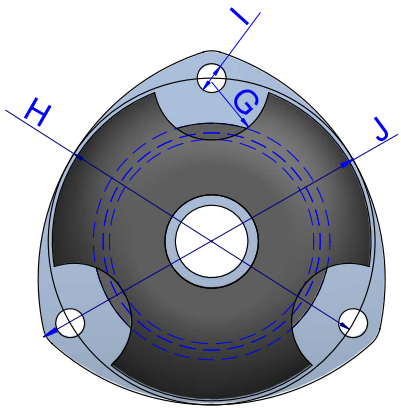

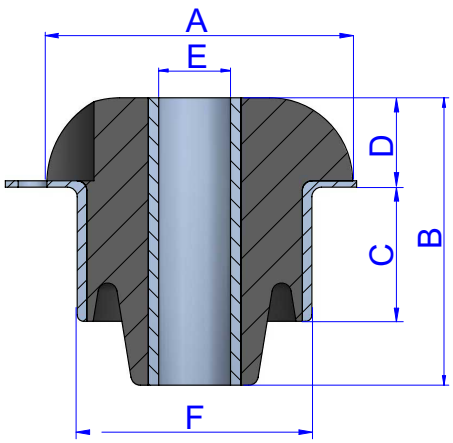

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Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 50	120	100	47	33	40,2	86	20	114	8,5	-	-	-	-	1305	4	325	45 Sh	-
																440	60 Sh	-
																550	75 Sh	-

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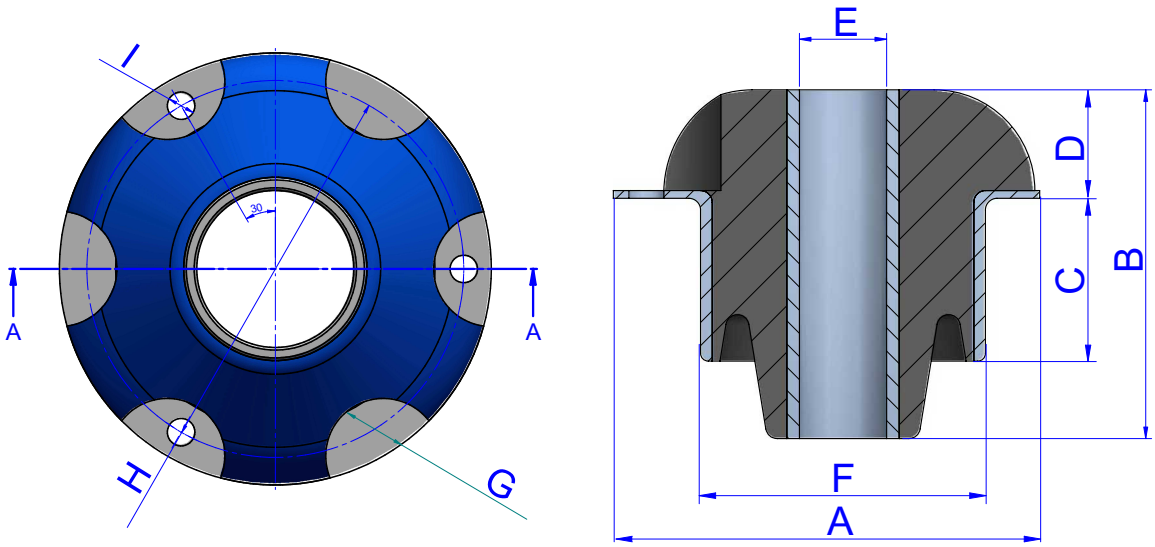
AT ANTI VIBRATION MOUNTS

DRAWINGS



DIMENSIONS

Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 51	120	120	63	53	40,2	86	20	104	10,5	-	-	-	-	1494	2	400	45 Sh	-
																440	60 Sh	-
																670	75 Sh	-

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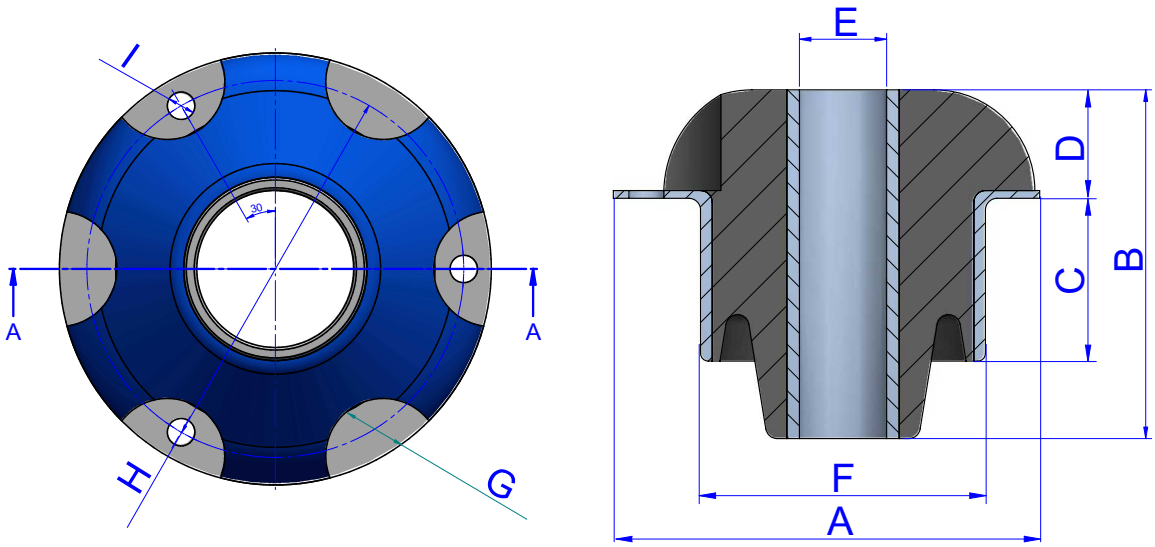

DIMENSIONS

Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 70 lower	163,5	97	36	43,5	60,2	118	22	145	10,5	-	-	-	-	3124	2	450	45 Sh	132162
																600	60 Sh	132163
																800	75 Sh	132164

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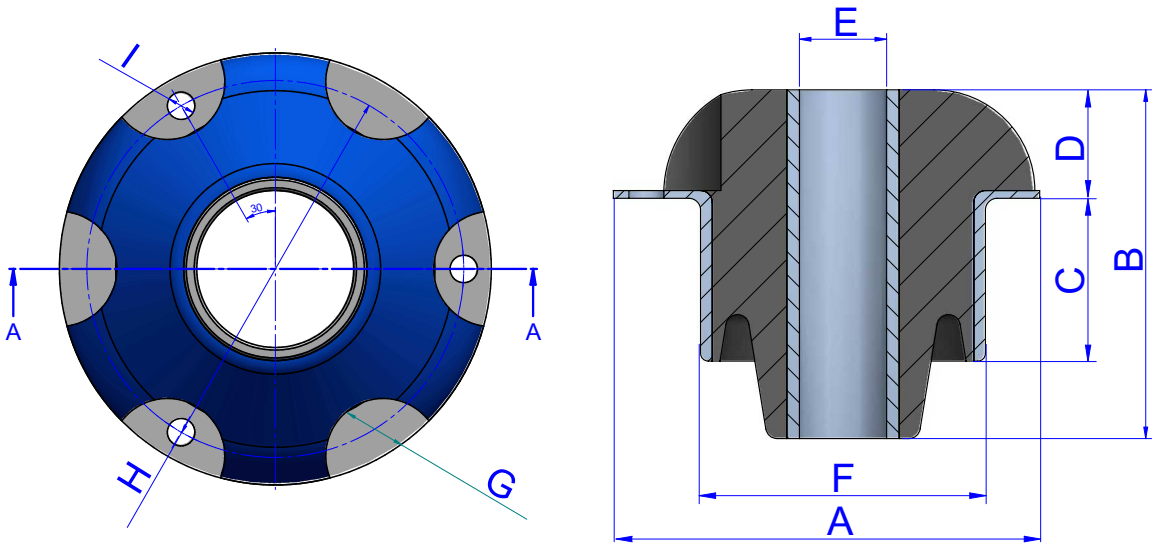

DIMENSIONS

Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 70	163,5	140	66	46	60,2	118	22	145	10,5	-	-	-	-	3124	2	700	45 Sh	132165
																900	60 Sh	132166
																1100	75 Sh	132167

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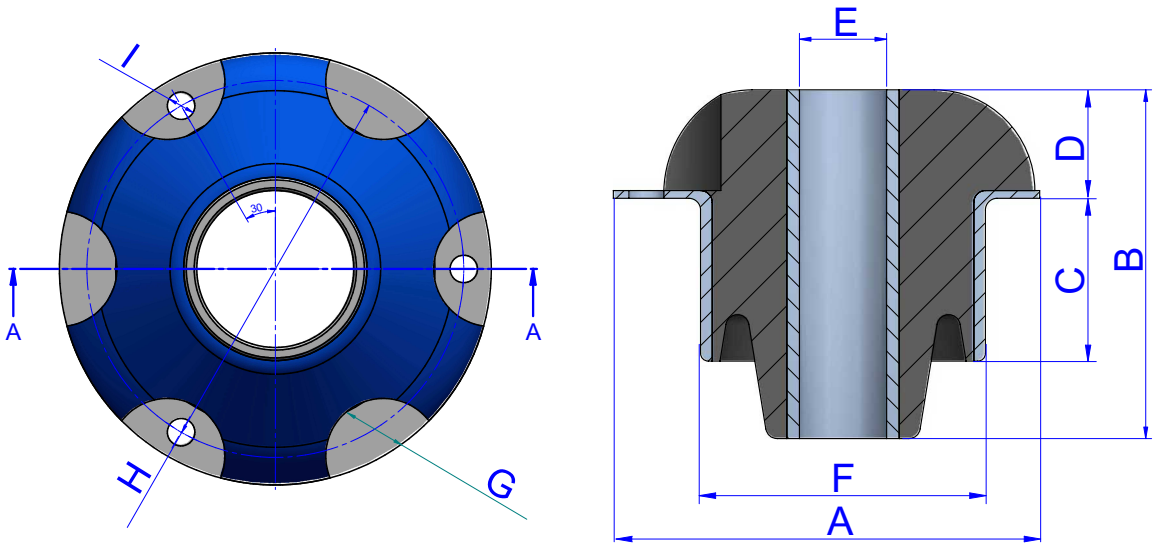

DIMENSIONS

Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 71	163,5	170	96	46	60,2	118	22	145	10,5	-	-	-	-	3790	2	850	45 Sh	132168
																1100	60 Sh	132169
																1400	75 Sh	132170

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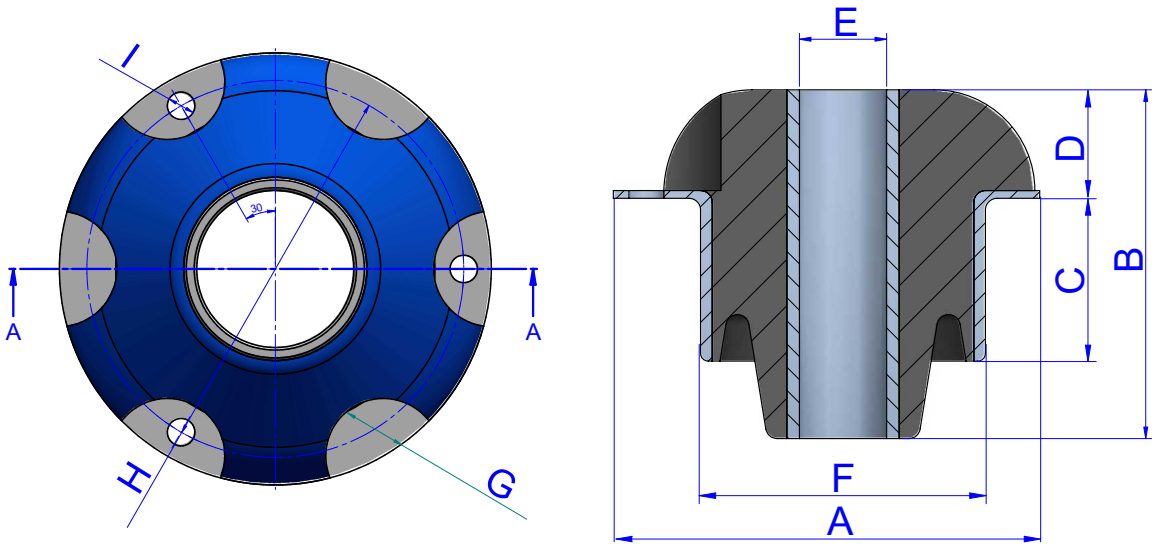

DIMENSIONS

Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 80	230	167	95	53	80	170	30	204	12,2	-	-	-	-	7096	2	1250	45 Sh	-
																1800	60 Sh	-
																2300	75 Sh	-

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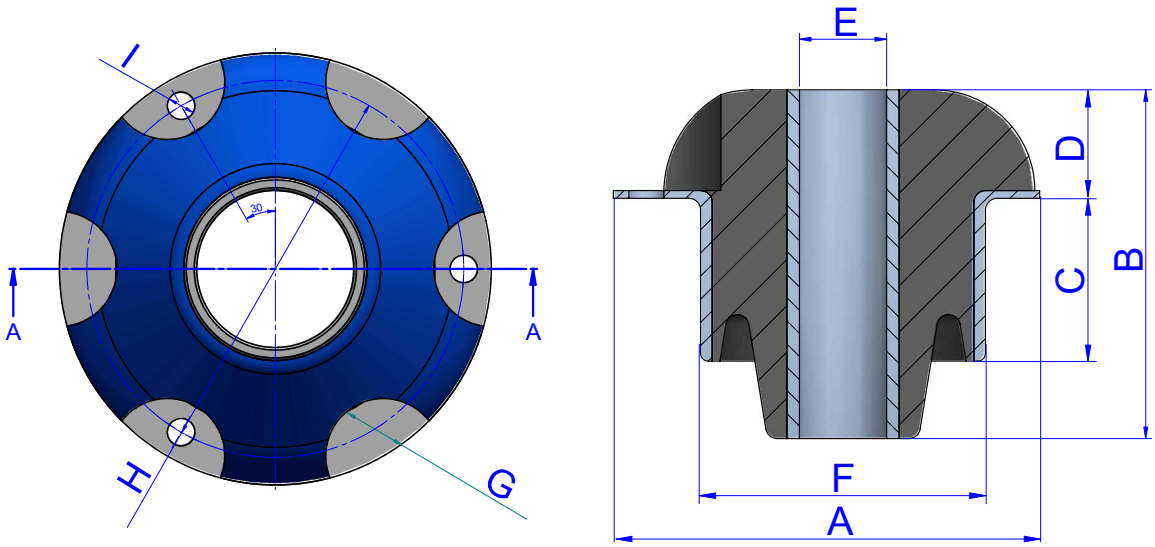

DIMENSIONS

Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M	Weight (gr.)	FIG.	Load (kg)	Shore	Code
AT 81	230	185	113	53	80	170	30	204	12,2	-	-	-	-	7702	2	1600	45 Sh	-
																2100	60 Sh	-
																2600	75 Sh	-

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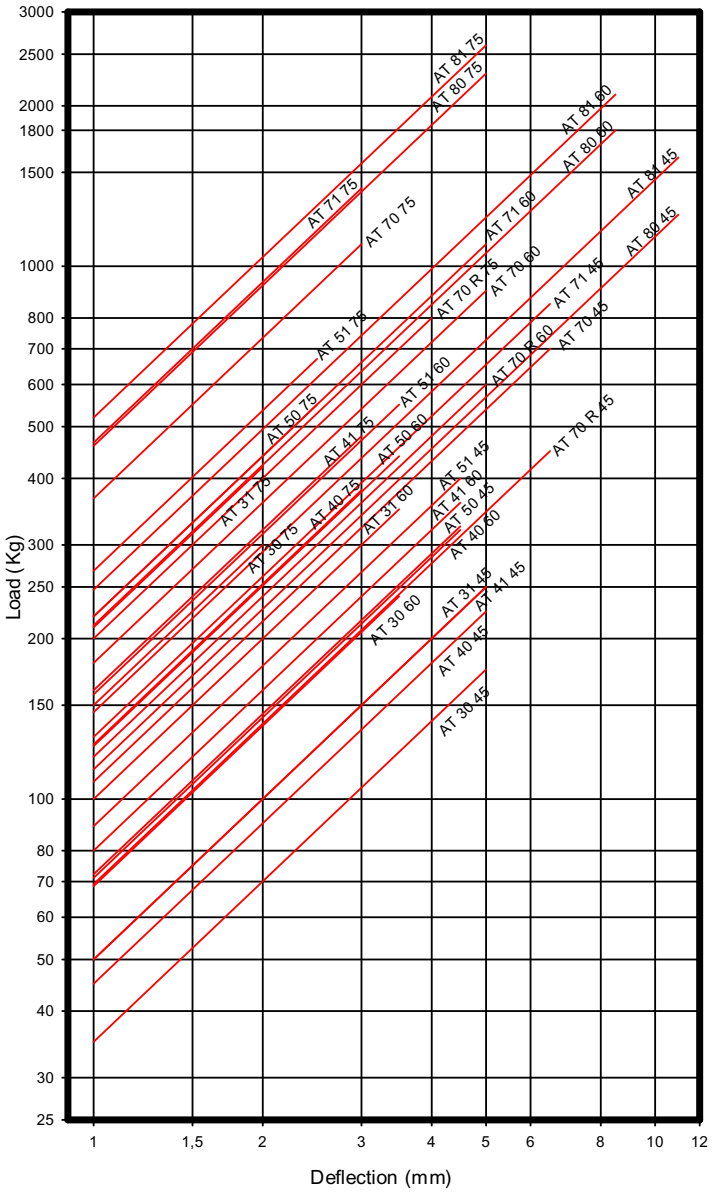
Elastical properties

LOAD DEFLECTION GRAPHS
MECANOCAUCHO® Type AT



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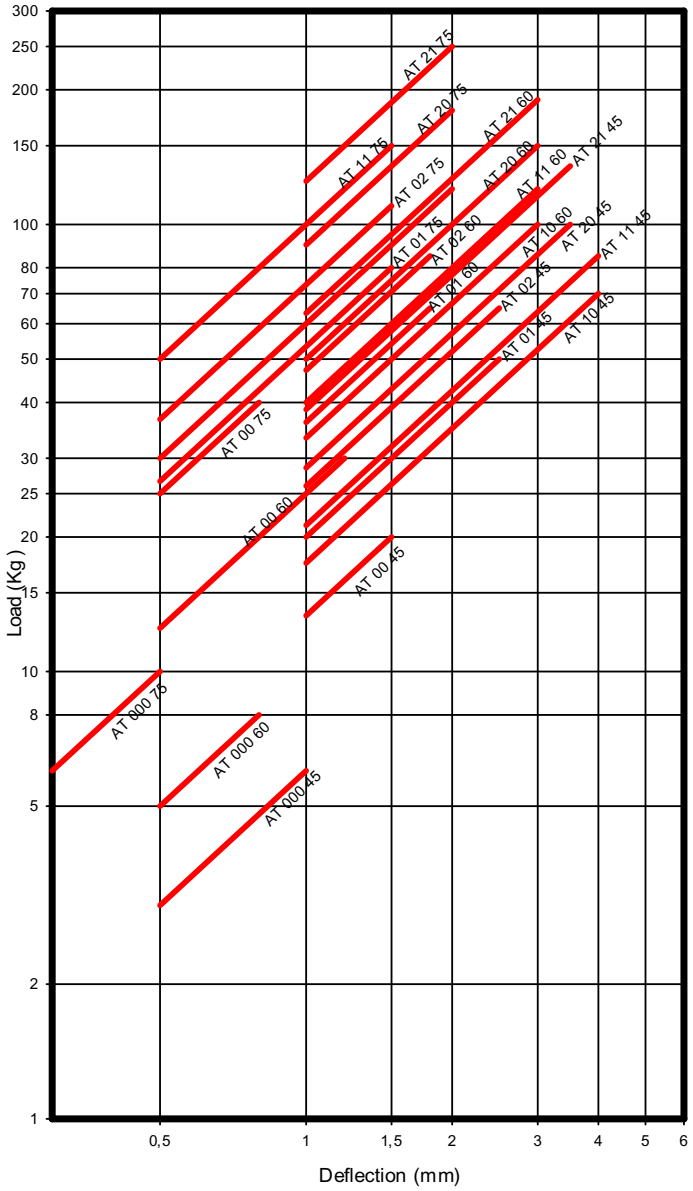
MECANOCAUCHO® Type AT



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AT ANTI VIBRATION MOUNTS

OPERATION AND ASSEMBLY

The AT type design uses the rubber in shear mode and ,to ensure optimum operation and life expectancy , it is recommended that a suitable washer design is used at each end to provide a progressive stiffness effect under load for the top section and rebound control in the case of overload conditions. When used with top and bottom washers as recommended the installations are then “Fail Safe” when bolted to the suspended equipment.

ADVANTAGES

• Robust design, strong metal parts. • Easily installed to support structures, 3 hole or 4 hole attachment depending upon size selected.

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