

Apoios Anti-Vibratórios

**Fevereiro
2021**

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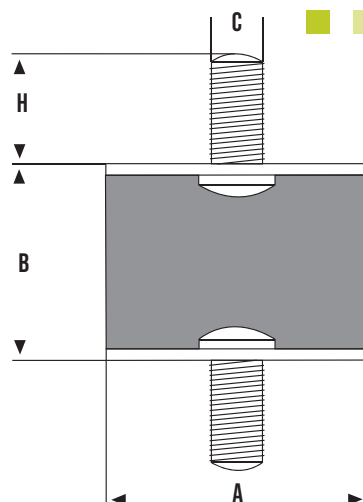
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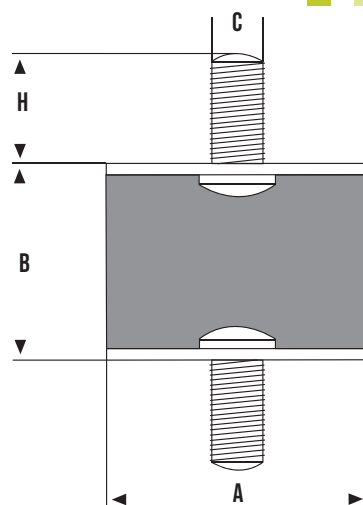
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MACHO MACHO



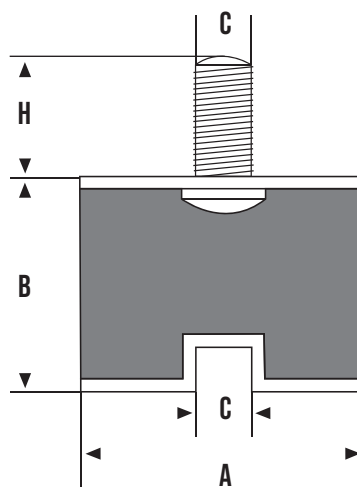
CÓDIGO	A _(MM)	B _(MM)	C _(MM)	H _(MM)	COMPRESSÃO		CIZALHAMENTO	
					CARGA MÁXIMA (daN)	ALONGAMENTO (MM)	CARGA MÁXIMA (daN)	ALONGAMENTO (MM)
031.0382	15	10	M - 5	12	20	1,5	2,5	1,5
031.0100		15		12	20	3	2,5	2
031.0279	20	15	M - 6	16,5	35	4	5	2,5
031.1039		20		16,5	30	5	5	3,5
031.0102		25		16,5	30	5,5	4,5	4,5
031.9138	25	10	M - 6	18	80	2	8	1,5
031.9019		15		18	60	3,5	8	2,5
031.0139		20		18	55	4,5	8	3,5
031.9218	25	20	M - 8	20	55	4,5	8	3,5
031.9180		30		20	50	8	8	6
031.9066	30	15	M - 8	20	90	3	11	2,5
031.0104		23		20	80	5	11	4
031.9135		25		20	75	6,5	11	5
031.0147	30	30	M - 8	20	70	8	11	6
031.9179		40		20	60	9	11	7,7
031.0106		25	M - 8	20	150	6	20	3,5
031.0179	40	30		20	150	6	30	5,5
031.0109		35		20	120	8	20	6,5
031.0111	40	40	M - 10	20	120	10	20	7,5
031.0111.1		40 (Inox)		20	120	10	20	7,5
031.9011		20		25	160	5	20	3
031.0189	40	25	M - 10	25	150	6	20	3,5
031.0381		30		25	150	6	30	5,5
031.0110		35		25	120	8	20	6,5
031.9083	40	40	M - 10	25	120	10	20	7,5
031.0072		45		25	120	11	20	9

MACHO MACHO



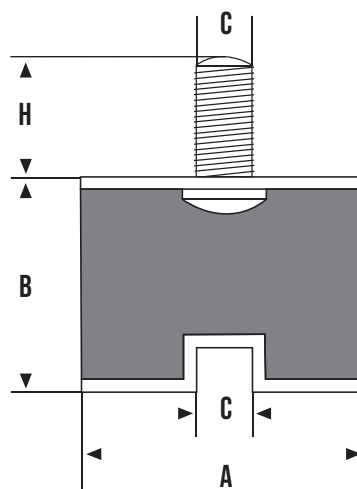
CÓDIGO	A _(MM)	B _(MM)	C _(MM)	H _(MM)	COMPRESSÃO		CIZALHAMENTO	
					CARGA MÁXIMA (daN)	ALONGAMENTO (MM)	CARGA MÁXIMA (daN)	ALONGAMENTO (MM)
031.0246	50	20	M - 10	25	300	5	25	3,5
031.9069		25		25	300	6	25	4,5
031.0300		30		25	275	7	25	6,5
031.9186		35		25	250	8	25	7
031.9030		40		25	210	10	25	8
031.0117		45		25	190	11	25	9
031.0137		50		25	170	11	25	10,5
031.3324	60	25	M - 12	25	400	6	30	4,5
031.0118		35		25	300	9	30	7
031.9021		45		25	250	11	30	9
031.9018		60		25	200	12	30	10
031.9185	70	35	M - 16	25	450	8	35	6,5
031.9290		70		25	300	14	35	15
031.0122	75	40	M - 12	30	500	9	37	7
031.0450		45		30	500	10	37	9
031.9270		55		30	450	11	37	11
031.9091		60		30	450	11	37	11
031.9013	95	75	M - 16	45	700	13	60	14
031.9183	100	50		45	1200	9	80	9
031.9049		75		45	1000	13	80	14
031.9072	120	100		45	1000	16	100	16
031.9076	150	75	M - 20	50	1650	13	140	14

MACHO FÊMEA



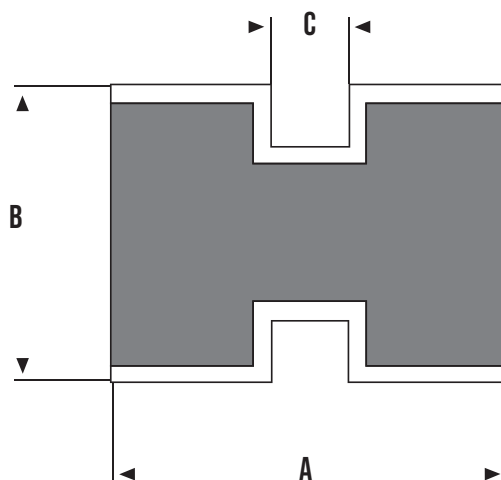
CÓDIGO	A _(MM)	B _(MM)	C _(MM)	H _(MM)	COMPRESSÃO		CIZALHAMENTO	
					CARGA MÁXIMA (daN)	ALONGAMENTO (MM)	CARGA MÁXIMA (daN)	ALONGAMENTO (MM)
031.0150	15	10	M - 5	12	20	1,5	2,5	1,5
031.9144		15		12	20	3	2,5	2
031.9068		20		12	15	4	2,5	4
031.0159	20	15	M - 6	16,5	35	4	5	2,5
031.0065		20		16,5	30	5	5	3,5
031.9242		25		16,5	30	5,5	4,5	4,5
031.0030	25	15	M - 6	18	60	3,5	8	2,5
031.1095		20		18	55	4,5	8	3,5
031.0034		25		18	50	6	8	4,5
031.1099	25	20	M - 8	20	55	4,5	8	3,5
031.0149	30	15		20	90	3	11	2,5
031.0105		20		20	80	5	11	4
031.9129		25		20	75	6,5	11	5
031.0033	40	30		20	70	8	11	6
031.9149		20		20	160	5	20	3
031.9197		25		20	150	6	20	3,5
031.0192	40	30	M - 10	20	150	6	30	5,5
031.9150		40		20	120	10	20	7,5
031.0070		20		25	160	5	20	3
031.0190	40	30		25	150	6	30	5,5
031.0379		35		25	120	8	20	6,5
031.9269		40		25	120	10	20	7,5

MACHO FÊMEA



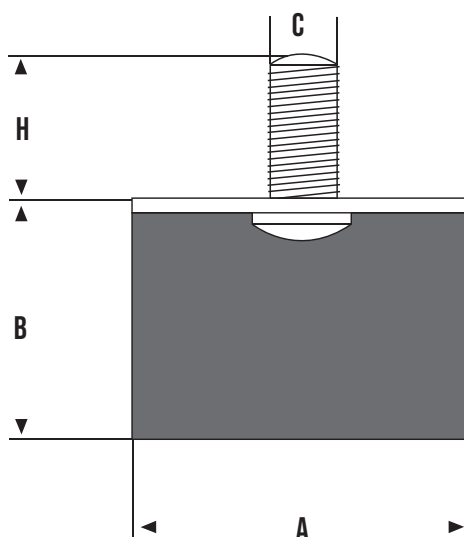
CÓDIGO	A _(MM)	B _(MM)	C _(MM)	H _(MM)	COMPRESSÃO		CIZALHAMENTO	
					CARGA MÁXIMA (daN)	ALONGAMENTO (MM)	CARGA MÁXIMA (daN)	ALONGAMENTO (MM)
031.0376	50	20	M - 10	25	300	5	25	3,5
031.0114		30		25	275	7	25	6,5
031.0048		35		25	250	8	25	7
031.9031		40		25	210	10	25	8
031.9093		45		25	190	11	25	9
031.9201		50		25	170	11	25	10,5
031.9196	60	25	M - 12	25	400	6	30	4,5
031.0158		45		25	250	11	30	9
031.0052	70	50		25	350	11	35	11
031.0185	75	40		30	500	9	37	7
031.9077		55		30	450	11	37	11
031.9261	100	75	M - 16	45	1000	13	80	14

FÊMEA FÊMEA



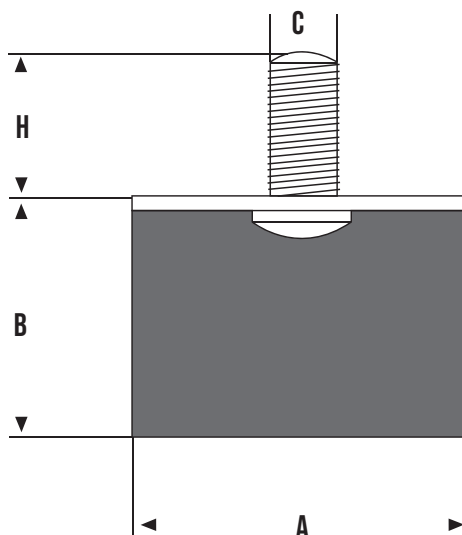
CÓDIGO	A _(MM)	B _(MM)	C _(MM)	COMPRESSÃO		CIZALAMENTO	
				CARGA MÁXIMA (daN)	ALONGAMENTO (MM)	CARGA MÁXIMA (daN)	ALONGAMENTO (MM)
031.9116	15	25	M - 5	8	3,5	1,5	4
031.9079	20	20	M - 6	30	5	5	3,5
031.9145		25		30	5,5	4,5	4,5
031.9147	25	20		55	4,5	8	3,5
031.0026		25		50	6	8	4,5
031.0096		30		50	8	8	6
031.0018	30	20	M - 8	80	5	11	4
031.9143		25		75	6,5	11	5
031.9162		30		70	8	11	6
031.9200		40		60	9	11	7,5
031.0141	40	25	M - 10	150	6	20	3,5
031.0108		30		150	6	30	5,5
031.0135		40		120	10	20	7,5
031.9207	40	25	M - 10	150	6	20	5,5
031.0213		30		150	6	30	5,5
031.9245		35		120	8	20	5,5
031.0163	50	25		300	6	25	4,5
031.9061		30		275	7	25	6,5
031.0134		40		210	10	25	3
031.0116		45		190	11	25	9
031.9029	60	50		170	11	25	10,5
031.0148		35		300	9	30	7
031.9001		60		200	12	30	10
031.0152	70	35	M - 12	450	8	35	6,5
031.0188	75	40		500	9	37	7

MACHO

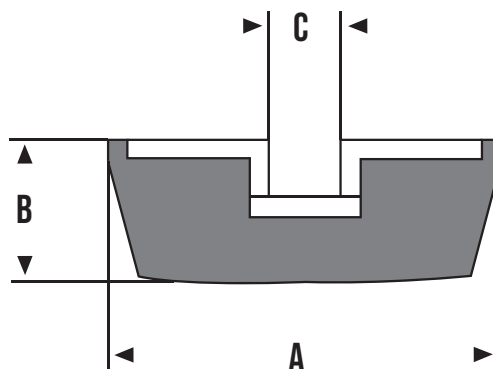


CÓDIGO	A _(MM)	B _(MM)	C _(MM)	H _(MM)	COMPRESSÃO	
					CARGA MÁXIMA (daN)	ALONGAMENTO (MM)
031.0068	15	10	M - 5	12	20	1,5
031.9136		15		12	20	3
031.9287		20		12	15	4
031.9024	20	15	M - 6	16,5	35	4
031.0409		20		16,5	30	5
031.0027		25		16,5	30	5,5
031.9206	25	10		18	80	2
031.0025		15		18	60	3,5
031.0084		20		18	55	4,5
031.0050		25		18	50	6
031.0214	25	20	M - 8	20	55	4,5
031.9056	30	15		20	90	3
031.1094		20		20	80	5
031.9127		25		20	75	6,5
031.0970		30		20	70	8
031.9203	40	40		20	60	9
031.0280		20		20	160	5
031.0156		25		20	150	6
031.9060		30		20	150	6
031.9040		35		20	120	8
031.0140	40	40	M - 10	20	120	10
031.9284		20		25	160	5
031.0972		25		25	150	6
031.9178		30		25	150	6
031.9217		35		25	120	8
031.9243		40		25	120	10

MACHO

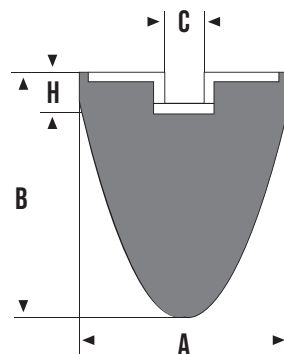
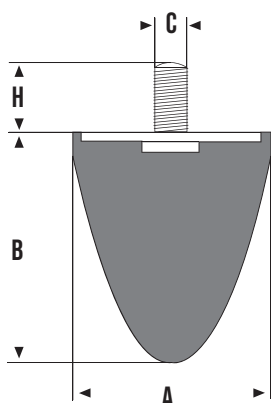


CÓDIGO	A _(MM)	B _(MM)	C _(MM)	H _(MM)	COMPRESSÃO	
					CARGA MÁXIMA (daN)	ALONGAMENTO (MM)
031.0191	50	20	M - 10	25	300	5
031.0449		25		25	300	6
031.0115		30		25	275	7
031.9108		35		25	250	8
031.9109		40		25	210	10
031.9026		45		25	190	11
031.9184		50		25	170	11
031.0125	60	35	M - 10	25	300	9
031.0119		45		25	250	11
031.1088	70	35	M - 10	25	450	8
031.9078		50		25	350	11
031.9027	75	25	M - 12	30	650	7
031.0123		40		30	500	9
031.0447		45		30	500	10
031.0181	100	75	M - 16	45	1000	13
031.9240		100		45	800	16



CÓDIGO	A(MM)	B(MM)	C(MM)	COMPRESSÃO	
				CARGA MÁXIMA (daN)	ALONGAMENTO (MM)
031.9171	15	15	M - 5	20	3
031.9080	20	15	M - 6	35	4
031.9139		20		30	5
031.9267		25		30	5,5
031.0038	25	10		30	2
031.0057		15	M - 8	60	3,5
031.9199		25		50	6
031.0016	30	15		90	3
031.0097		20		80	5
031.0045		30		70	8
031.0082	40	20	M - 10	160	5
031.0107		25		150	6
031.9084		40		120	10
031.0974	40	25		150	6
031.0113	50	20	M - 12	300	5
031.0157		40		210	10
031.9213		50		170	11
031.0032	75	40		500	9

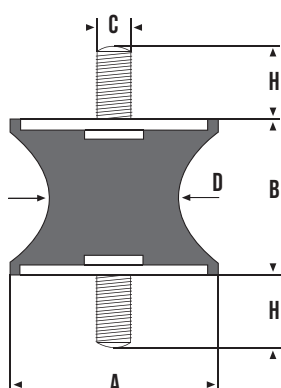
CÔNICO MACHO E FÊMEA



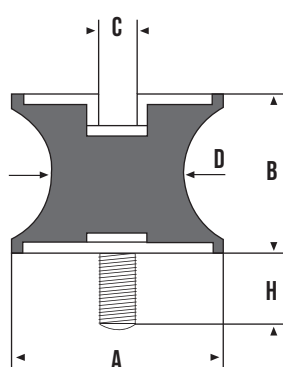
CÓDIGO	TIPO	A(MM)	B(MM)	C(MM)	H(MM)	DINÂMICA		
						CARGA MÁXIMA (daN)	ALONGAMENTO (MM)	ENERGIA (NM)
031.9096	Macho	25	20	M - 6	12	100	8	3
031.9223	Macho	25	20	M - 6	12	100	8	3
031.9279	Macho	25	20	M - 6	12	100	8	3
031.9062	Macho	30	30	M - 8	20	140	15	6
031.9051	Macho	72	58	M - 12	30	550	26	50
031.9020	Macho	95	85	M - 16	45	1100	37	120
031.9020.1	Macho	95	85	M - 16	45	1100	37	120
031.9052	Macho	120	75	M - 16	45	3000	22	340



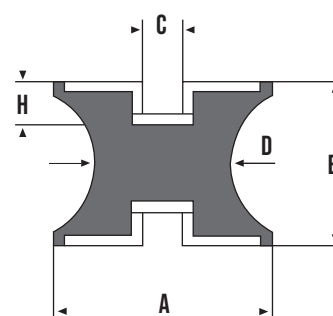
FINO CÔNCAVO MACHO MACHO



FINO CÔNCAVO MACHO FÊMEA



FINO CÔNCAVO FÊMEA FÊMEA



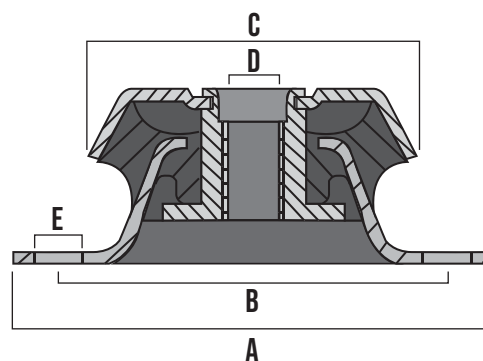
CÓDIGO	A	B	C	D	H
031.0023	30	30	9	29	30(Vazado)
031.0321	31	30	8	22	18
031.0322	31	30	8	22	23
031.9112	50	31	10	31	27
031.9111	51	40	10	39	27
031.9001	-	-	-	-	-
031.9110	-	-	-	-	-
031.9113	-	-	-	-	-
031.9114	-	-	-	-	-
031.9115	-	-	-	-	-

Informação sobre medidas, sob consulta.

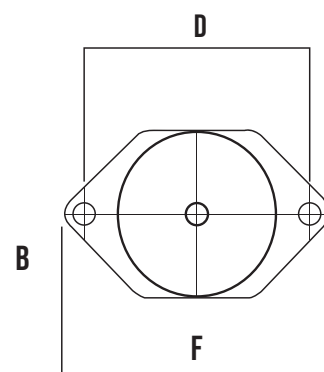
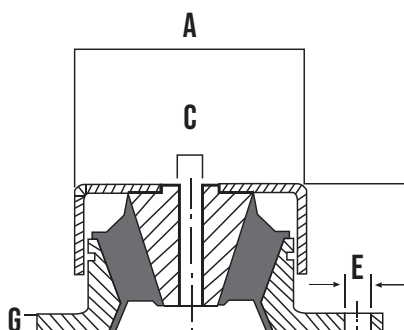
MULTIFLEX



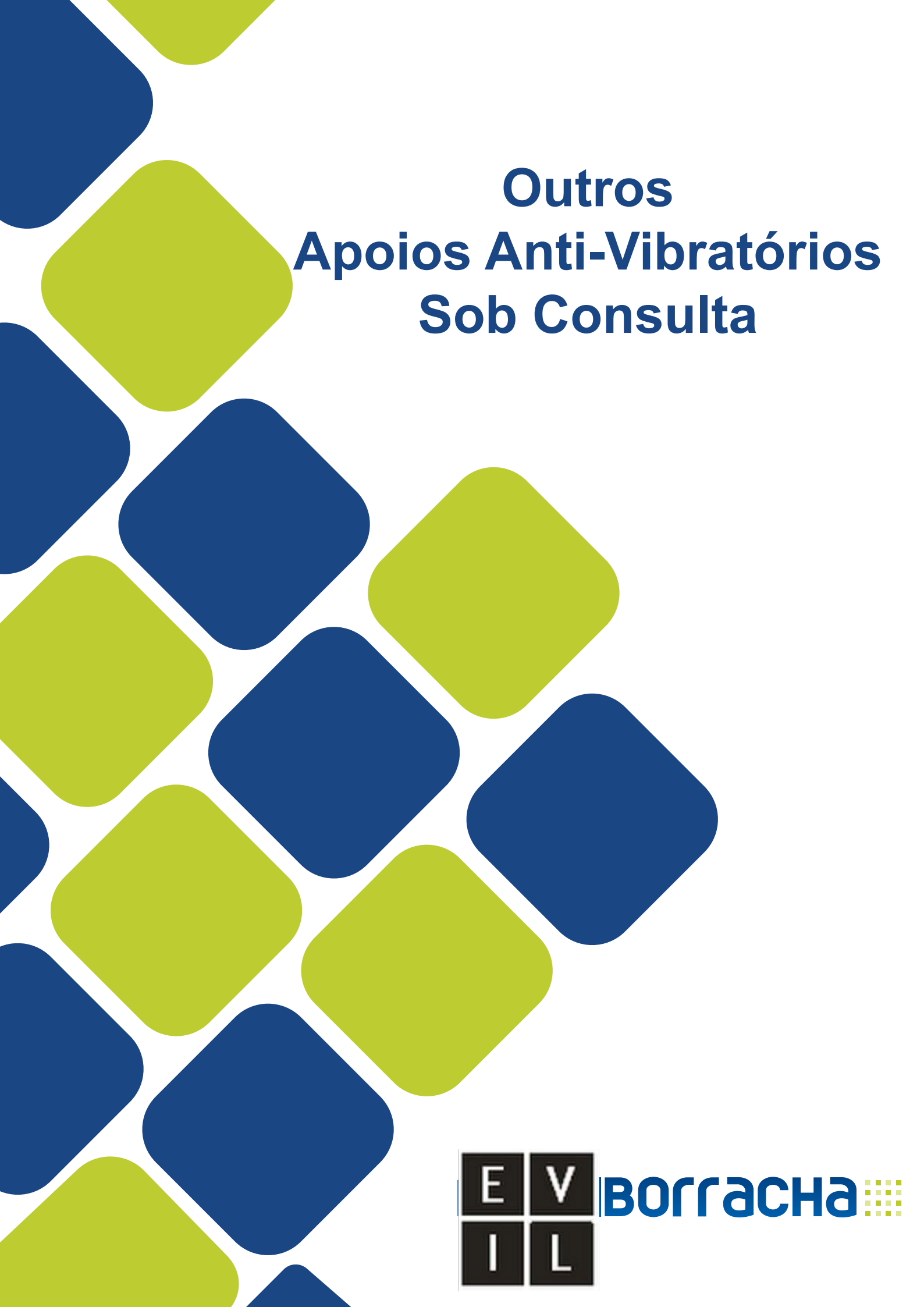
CÓDIGO	A	B	C	D	E
031.0019	80	60	40	8	8
031.0020	128	100	73	10	10
031.0021	160	125	90	12	12
031.0022	160	130	90	16	12



MULTISTAB

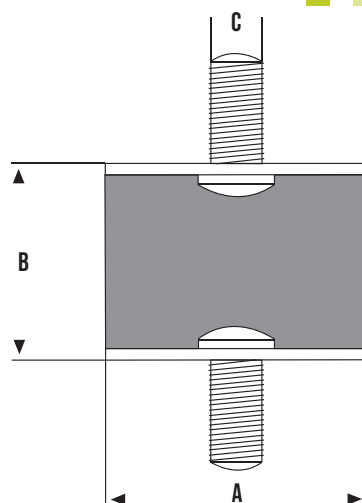


CÓDIGO	TIPO	A	B	C	D1	D2	E	F	G	 GRAMAS
					MIN	MAX				
031.9039	-	75	-	M - 10	-	-	-	-	-	-
031.1322	-	92	39	M - 12	122	126,6	10	150	-	-



Outros Apoios Anti-Vibratórios Sob Consulta

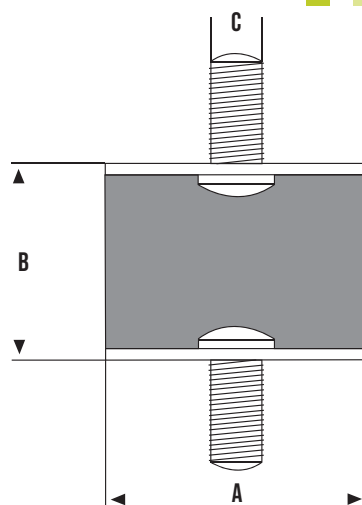
MACHO MACHO



	CÓDIGO	A _(MM)	B _(MM)	C _(MM)
	031.9265	10	15	M - 4
	031.0028	15	10	
	031.0320		15	
	031.9137	15	20	M - 5
	031.9054		25	
	031.9133	15	15	M - 6
	031.0037	16	20	
	031.0037		20 (Branco)	
	031.0101	20	10	
	031.0101.1		10	
	031.0151		10	
	031.9094		10 (Inox)	
	031.1154		40	
	031.9208	21,5	20	
	031.9120	24	11 (Inox)	
	031.0042	25	25	
	031.0099		25	
	031.0103		30	
	031.1131		40	
	031.9164	30	10	
	031.0098		20	
	031.0147.1		30	
	031.0161		30	
	031.9229		30	
	031.0131	50	30	M - 8
	031.9219		40	
	031.9121		50	

	CÓDIGO	A _(MM)	B _(MM)	C _(MM)
	031.9187	40	15	M - 10
	031.9282		40	
	031.9173	50	30	
	031.9030.1		40	
	031.9036		65	
	031.1041	55	45	
	031.9259	60	20	
	031.9055		40	
	031.9023		45	
	031.9152		50	
	031.0180	65	35	
	031.9255	70	20	
	031.0051		25	
	031.9087.2		30	
	031.0316		45	
	031.9067	75	25	
	031.1093		35	
	031.0405		40	
	031.9028		45	
	031.9032		45	
	031.9008		50	M - 12
	031.0047		60	
	031.0036	100	60	
	031.0058	50	20	
	031.0133		26	
	031.1040		40	

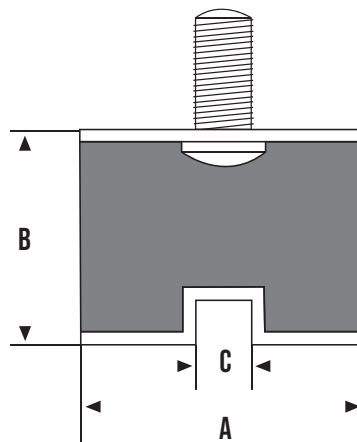
MACHO MACHO



	CÓDIGO	A _(MM)	B _(MM)	C _(MM)
	031.0407	55	40	M - 12
	031.9244		74	
	031.9142	60	30	
	031.9053		40	
	031.0445		50	
	031.9122		60	
	031.9131		60	
	031.9086	70	20	
	031.9087		30	
	031.0120		40	
	031.0317		45	
	031.9172	75	20	
	031.9047		30	
	031.0095		35	
	031.0121		40	

	CÓDIGO	A _(MM)	B _(MM)	C _(MM)
	031.9015	75	50	M - 12
	031.0153		55	
	031.9091		60	
	031.0406	50	40	M - 13
	031.0971	75	60	M - 14
	031.0136	80	65	M - 16
	031.9198	90	75	
	031.9119	100	30	
	031.9044		40	
	031.9014		55	
	031.9014.1		55 (Chapa)	
	031.9166	120	75	
	031.9157		100	
	031.9003		110	
	031.9002	150	40	

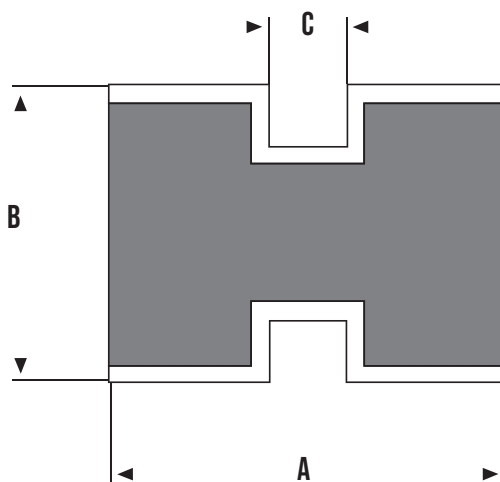
MACHO FÊMEA



	CÓDIGO	A _(MM)	B _(MM)	C _(MM)	
	031.9226	15	15	M - 4	
	031.0146	25	16		
	031.9224	30	15	M - 6	
	031.9254		20		
	031.0144	50	75		
	031.9130		20		
	031.0812	60	40		
	031.9251		50		
	031.9087.3		30		
	031.9025	70	40	M - 10	
	031.9035		40		
	031.9214		45		
	031.9241		20		
	031.9220	75	40		
	031.9293		55		

	CÓDIGO	A _(MM)	B _(MM)	C _(MM)	
	031.9228	60	20		
	031.9191		25		
	031.9253	70	40		
	031.0143		55		
	031.0193		20	M - 12	
	031.9249		35		
	031.0138	75	50		
	031.0448		60		
	031.9252	100	40		
	031.9260		40		
	031.9017	100	55	M - 16	
	031.0071	100	75	M - 20	

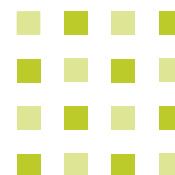
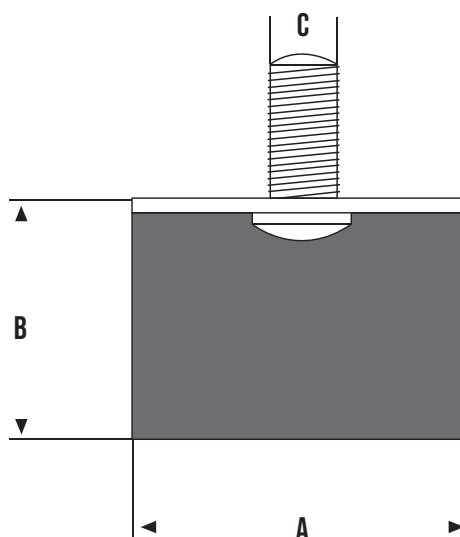
FÊMEA FÊMEA



	CÓDIGO	A _(MM)	B _(MM)	C _(MM)	
	031.9118	20	15	M - 6	
	031.9281		20		
	031.0155	30	20	M - 8	
	031.9022	25	20		
	031.9237	30	15		
	031.9126	40	30		
	031.0029	50	40		
	031.0088	25	25	M - 10	
	031.9207.1	40	25		
	031.0224	50	20		
	031.9029.1		50		
	031.9160	70	45		
	031.9204	75	20		
	031.0184		40		
	031.0443		50		
	031.9276		55		

	CÓDIGO	A _(MM)	B _(MM)	C _(MM)	
	031.0183	65	40	M - 12	
	031.9102	70	40		
	031.9222		70		
	031.9169	75	25		
	031.9105		30		
	031.9192		50		
	031.9046		60	M - 14	
	031.9195	80	80		
	031.9101	90	60		
	031.9090	100	50	M - 16	
	031.9263	100	40		
	031.0318		55		
	031.9221		60		
	031.9239		65	M - 20	
	031.9278	150	75		
	031.9238	100	85		
	031.9148	120	85		

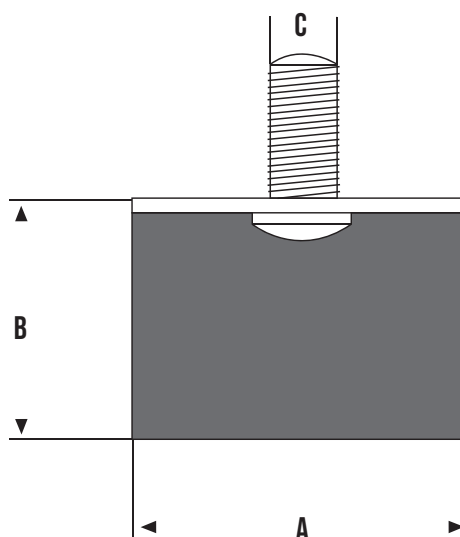
MACHO



CÓDIGO	A _(MM)	B _(MM)	C _(MM)
031.9065	15	5	M - 4
031.9006	15	10	M - 5
031.0039	15	10	M - 6
031.0066		10	
031.0066.1		10	
031.0067		10	
031.0067.1		10	
031.0221.1	20	10	
031.9227.1		12,5 (Cinza)	
031.9227.2		12,5 (Preto)	
031.9227.3		12,5 (Preto)	
031.9024.1		15	
031.9024.2		15 (Cinza)	
031.9227		15 (Cinza)	
031.9019.1	25	15	
031.0086		20	
031.9223		20	

CÓDIGO	A _(MM)	B _(MM)	C _(MM)
031.0215	25	20	M - 8
031.9097	30	10	
031.9127.1		25	
031.9193		30	
031.9286		40	
031.9225	35	20	
031.9089	40	10	
031.9231		15	
031.0132		22	
031.0156.1		25 (Inox)	
031.9124		30	
031.0140.1		40 (Inox)	
031.9140	50	45	M - 10
031.9146	25	20	
031.9170	40	10	
031.9215		15	
031.1098	50	15	
031.9216		30 (Inox)	

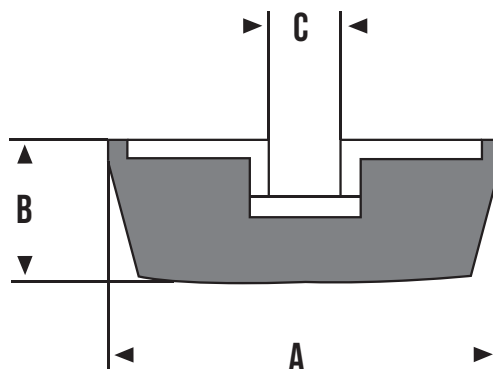
MACHO



CÓDIGO	A _(MM)	B _(MM)	C _(MM)
031.9211	60	10	M - 10
031.9161		20	
031.9050		30	
031.9177		40	
031.9125		45	
031.9151		50	
031.9041		54	
031.1092	70	20	
031.9106		20	
031.1087		30	
031.9087.1		30	
031.1089		40	
031.9033		45	
031.9107	75	15	
031.1086		25	
031.0124		47	
031.9128	50	60	M - 12
031.0225		20	
031.0226		30	
031.9268		50	

CÓDIGO	A _(MM)	B _(MM)	C _(MM)
031.0408	70	20	M - 12
031.1091	75	15	
031.0154		20	
031.0128		30	
031.1096		35	
031.9098		50	
031.9115		60	
031.0043	100	70	
031.9117		50	
031.9004	100	110	M - 14
031.9264		40	
031.9266	100	80	M - 16
031.9070		30	
031.9230		60	
031.0046		30	
031.9258		40	
031.9016		55	
031.0087		60	
031.9280		80	
031.9131	150	40	

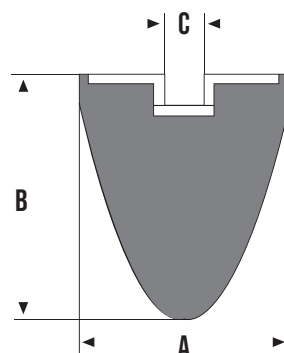
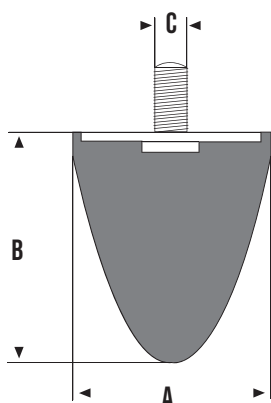
FÊMEA



CÓDIGO	A _(MM)	B _(MM)	C _(MM)
031.9153	15	15	M - 4
031.0223	20	10	M - 6
031.0097.1	30	20 (Cinza)	M - 8
031.9235	50	20	
031.9095	70	20	M - 10
031.9085	75	20	
031.9212	60	20	M - 12
031.0085		30	
031.9123	65	40 (Aberto)	
031.9103	70	20	
031.9291		40	
031.9058	75	30	
031.9073	100	30	

CÓDIGO	A _(MM)	B _(MM)	C _(MM)
031.9247	60	35	M - 16
031.0040	70	30	
031.9073.1	100	30	
031.9182		37,5	
031.0165		40	
031.9283	120	30	
031.9209	204	90	M - 20
031.9209.1		90	
031.0044	100	30	
031.0044.1		30	
031.9246		40	

CÔNICO MACHO E FÊMEA



	CÓDIGO	TIPO	A _(MM)	B _(MM)	C _(MM)
	031.9043	Macho	30	30	M - 6
	031.0129	Macho	39	30	M - 8
	031.0811	Macho	50	50	M - 8
	031.0810	Macho	55	45	M - 8
	031.0083	Macho	-	-	M - 8
	031.0129.1	Macho	39	31	M - 10
	031.0375	Macho	50	35	M - 10
	031.1458	Macho	50	45	M - 10
	031.1458.1	Macho	50	45	M - 10
	031.1459	Macho	50	45	M - 10
	031.0811.1	Macho	50	50	M - 10
	031.9057	Macho	50	63	M - 10
	031.9059	Macho	60	53	M - 10
	031.9155	Macho	80	80	M - 12
	031.9272	Macho	95	75	M - 16
	031.9262	Macho	80	80	M - 12
	031.9013	Macho	95	75	M - 16
	031.0813	Fêmea	50	50	M - 10

CONES ANTI-VIBRATÓRIOS



TIPO	PESO (GR.)	CARGA (KG.)	DUREZA (SH)
00	126	25	45
		50	60
		75	70
10	406	75	45
		140	60
		210	70
12	407	80	45
		120	55
		330	70
20	554	120	45
		200	60
		330	70
30	1167	140	40
		190	50
		300	60
		370	70
35	1438	300	40
		400	50
		650	60
120 NP	6890	440	45
		720	55

Cones com recortes.

CONES ANTI-VIBRATÓRIOS



TIPO	PESO (GR.)	CARGA (KG.)	DUREZA (SH)
01	128	40	45
		70	60
		105	70
02	132	50	45
		90	60
11	409	100	45
		180	60
		270	70
13	450	120	45
		170	55
		270	70
14 - 2 Furos	643	250	45
		450	60
		690	70
14 - 4 Furos	662	250	45
		450	60
		690	70
17	410	160	45
		250	60
		350	70
21	560	180	45
		300	60
		500	70
31	1188	310	50
		500	60
		750	70
33	1462	300	45
		600	60
		900	70

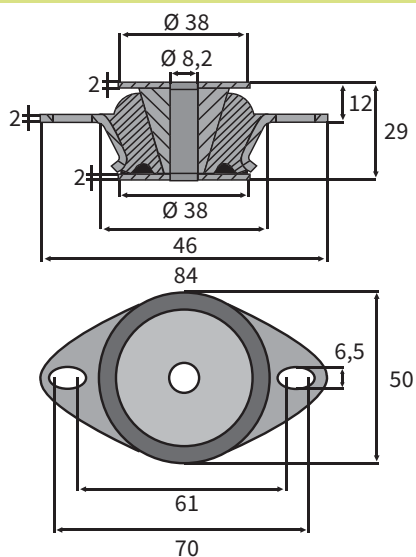
Cones sólidos.

TIPO	PESO (GR.)	CARGA (KG.)	DUREZA (SH)
36	1410	400	45
		700	60
		1100	70
39	1438	400	40
		600	50
		900	60
		1100	70
40	1216	420	45
		690	60
		1080	70
60	1821	900	45
		1250	60
		1560	70
65	2965	500	50
		1100	65
		1560	75
70	3450	1000	45
		2100	60
		2500	70
75	4230	850	45
		1600	60
121 NG	7840	1750	55
		2000	65
121 NP	6940	730	45
		1200	55
141	1039	175	50
		250	60

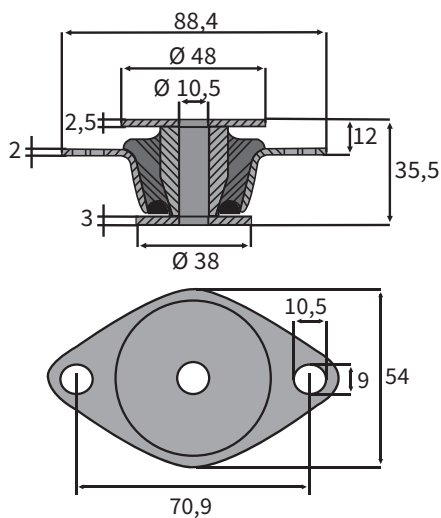
Cones sólidos.



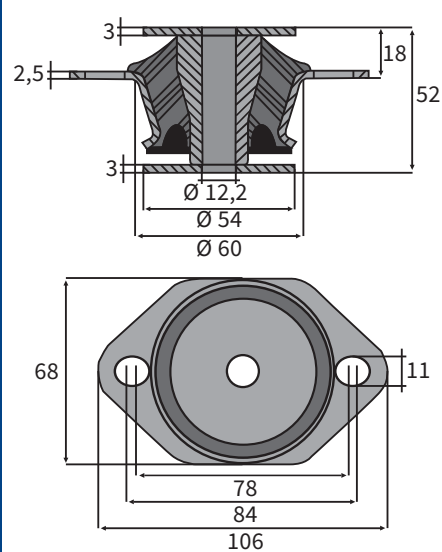
TIPO 01



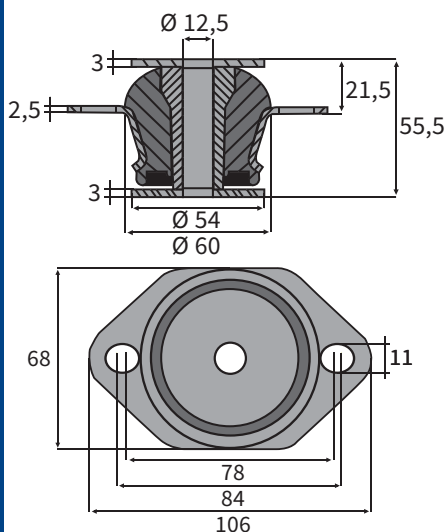
TIPO 02



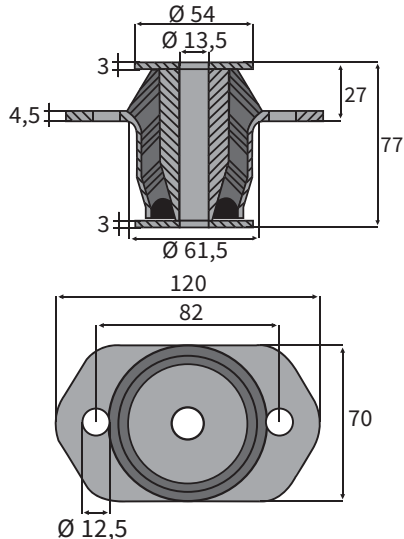
TIPO 11



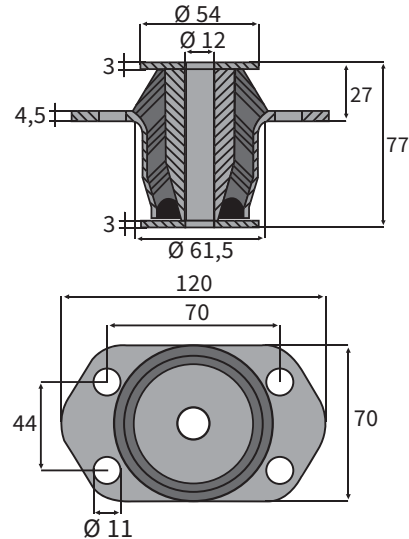
TIPO 13



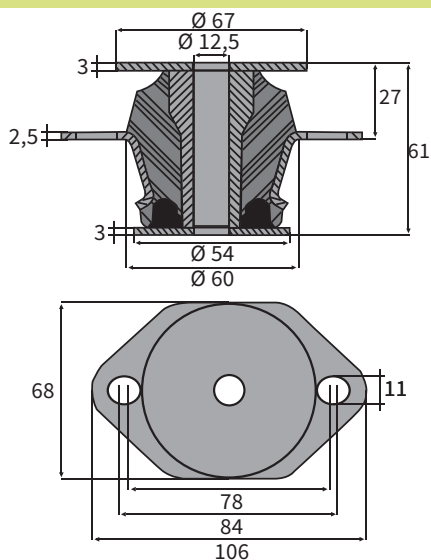
TIPO 14 - 2 FUROS



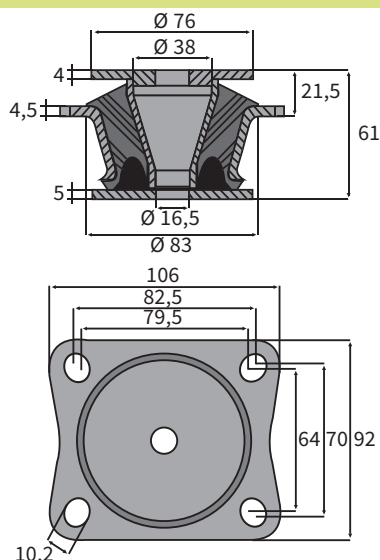
TIPO 14 - 4 FUROS



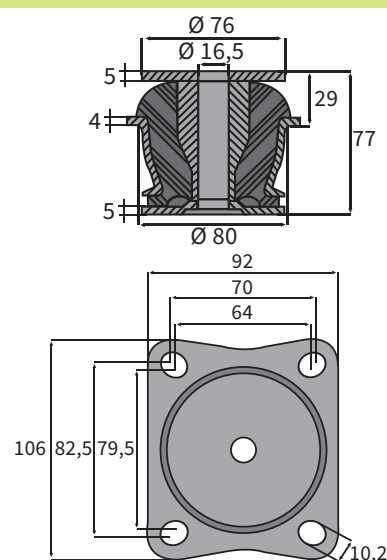
TIPO 17



TIPO 21



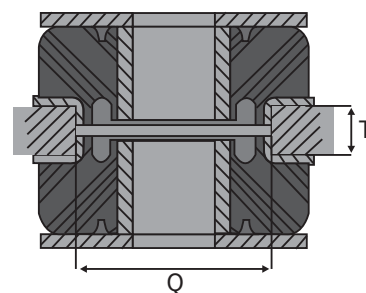
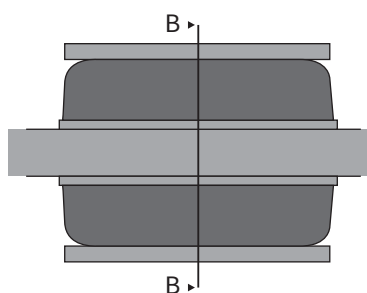
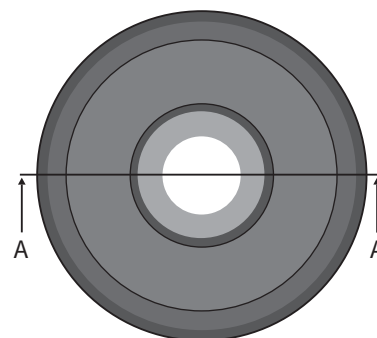
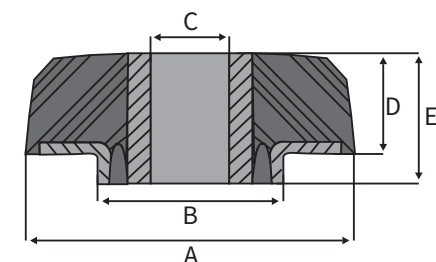
TIPO 31





TIPO 33 Ø 16 86 74 73 33 5 7 5 Ø 76 92 70 64 106 82,5 79,5 10,2	TIPO 36 Ø 90 Ø 16,5 4 4 18 82 5 Ø 76 Ø 95 100 74 11 90 120	TIPO 39 Ø 96 Ø 16,5 5 4 35 99 5 Ø 76 Ø 11 100 74 76 90 120	
TIPO 40 Ø 75 Ø 21 5 5 19,5 89,5 10 4 Ø 67 R 66 R 53 51 Ø 13,5	TIPO 60 Ø 110 Ø 20,5 5 5 21 86 5 Ø 54 Ø 115 121 99 92 11,5 97 111 140	TIPO 65 Ø 110 Ø 21 5,5 7 27 107,5 14 Ø 20,5 Ø 95 Ø 103 120 92 11 112 140	TIPO 70 Ø 110 Ø 24,5 6,8 5,5 26,5 145 14 Ø 72,5 Ø 95 Ø 112 11 97 101 123 97 101 123
TIPO 75 Ø 139 Ø 25 7 5 37,5 142 Ø 121,5 87 127 Ø 98,7 15 10 Ø 25 Ø 120 Ø 10 133,4 159	TIPO 121 NG Ø 139 Ø 25 10 12 57 125 Ø 120 15 10 Ø 120 150 100 12 144 175	TIPO 121 NP Ø 139 Ø 25 10 12 57 125 Ø 120 15 10 Ø 120 150 100 12 144 175	TIPO 31 Ø 116 Ø 18 5 13 15,5 33,5 58,5 Ø 93 Ø 95 Ø 105 106 Ø 11 106 130

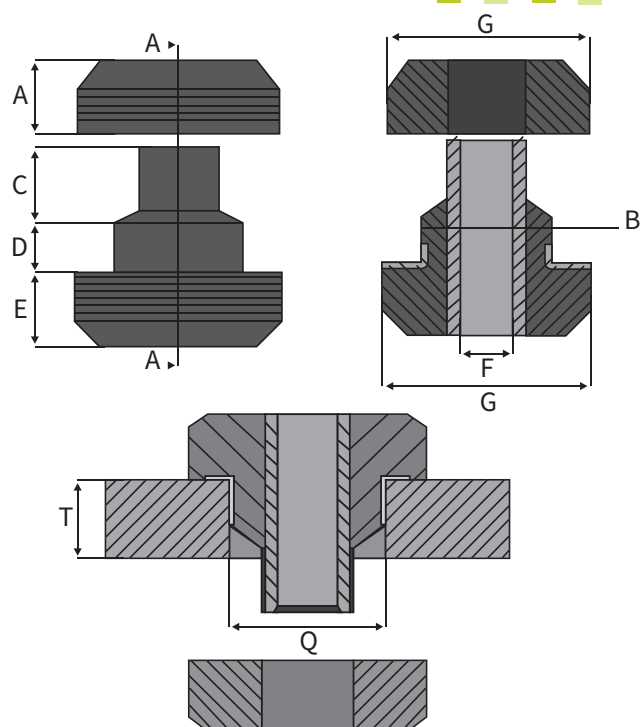
TF



TIPO	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)	Q (MM)	T (MM)	PESO (GR.)	WASHER	DUREZA (SH)	CARGA MÁX. (KG)
TF 55	56,5	39,4	16,2	16	20	40	10	82	611056	45	80
										60	175
TF 100	100	56	24	30,5	40	56	25	500	606484	40	190
										50	280
										60	390
										70	800
										40	160
TF 105	105	75	16	29	38	75	20	580	606481	50	200
										60	275
										70	360
										40	160

TIPO	PESO (GR.)	Ø EXT. (MM)	Ø INT. (MM)	ESPESSURA (MM)
TF 55 Washer	48	54	17	3
TF 100 Washer	373	110	24,5	5
TF 105 Washer	325	110	16,5	5

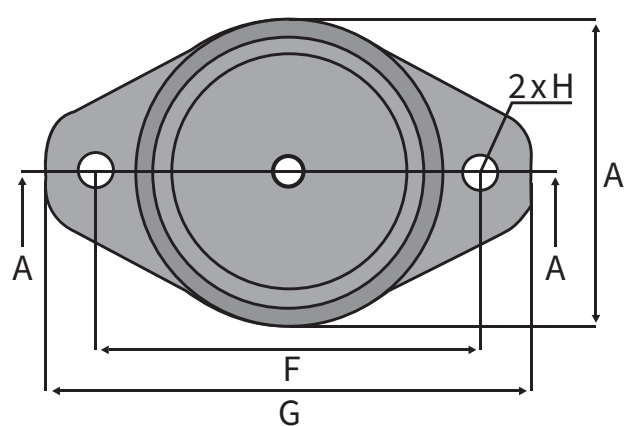
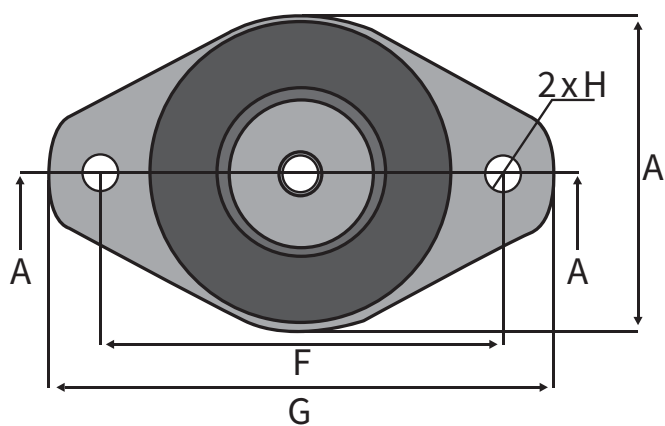
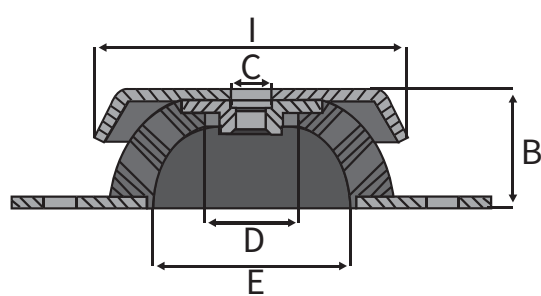
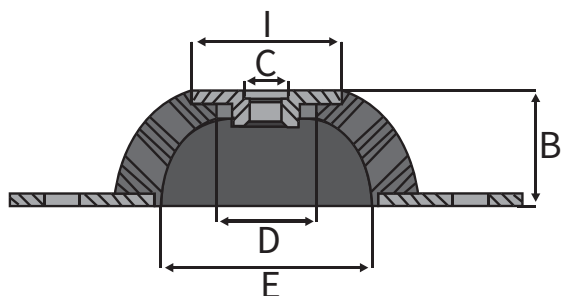
SCHR



TIPO	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)	F (MM)	G (MM)	Q (MM)	T (MAX)	T (MIN)	PESO (GR.)	DUREZA (SH)	CARGA MÁX. (KG)
SCHR 35	11	20,1	11	4	11	8	34,5	20,4	6	6	42	45	40
												60	80
SCHR 50	20	31,7	19,5	10,5	20	13,5	49	31,8	14	12,5	153	45	80
												65	150
SCHR 65	23	39,5	24	15	23	16,7	64,5	40	22	19	269	50	160
												65	300
SCHR 90	25	56,5	31	17	25	23	88	57	29	25	675	45	260
												60	450
SCHR 125	32	65,4	32	22	32	27	125,5	65,8	32	25	1440	50	650
												60	800
SCHR 140	35	70	31	13	35	31	140	71	20	20	1900	45	700
												60	2000

TIPO	PESO (KG.)	Ø EXT. (MM)	Ø INT. (MM)	ESPESSURA (MM)
SCHR 35	0,03	38	8,5	2
SCHR 50	0,051	54	13,5	3
SCHR 65	0,125	67	16,5	5
SCHR 90	0,31	96	22	6
SCHR 125	0,58	145	25	8
SCHR 140	1,251	145	30	10

DSD



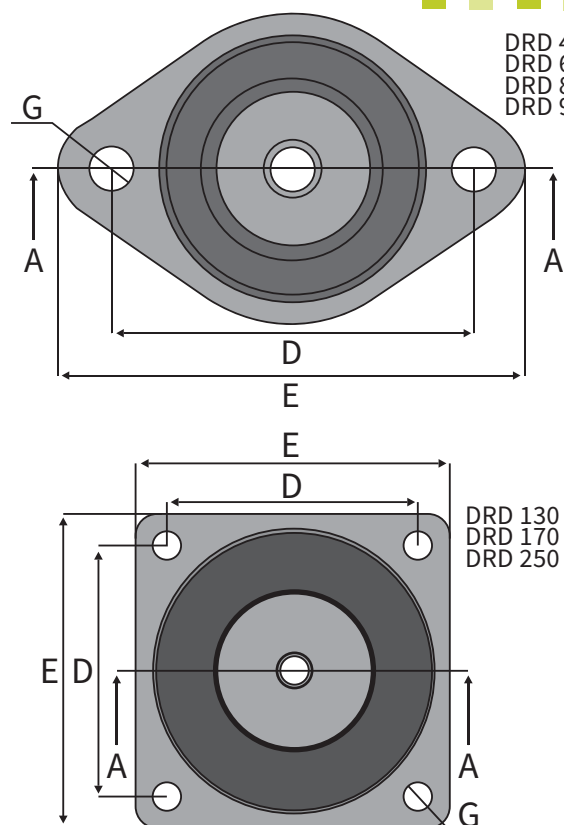
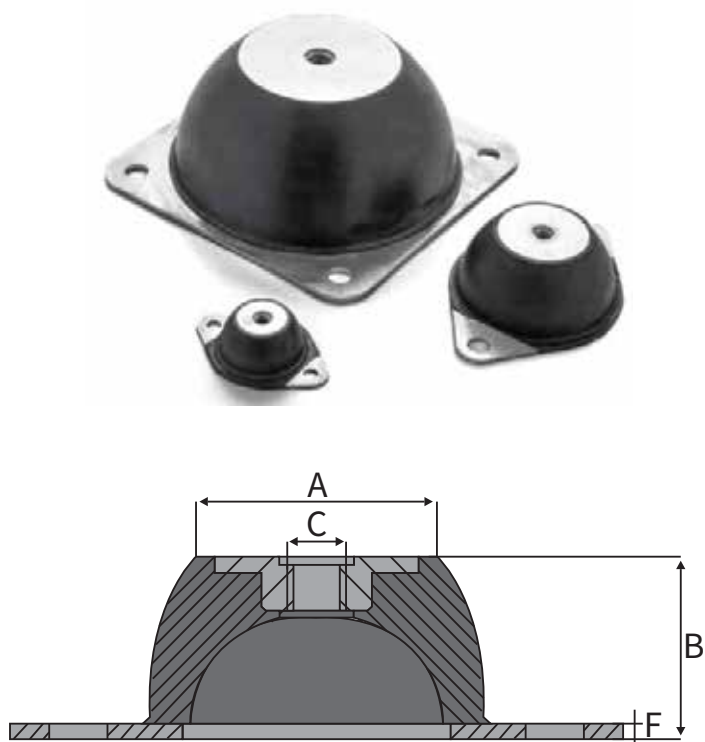


TIPO	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)	F (MM)	G (MM)	H (MM)	I (MM)	PESO (GR.)	DUREZA (SH)	CARGA MÁX. (KG)
DSD 40+Bell	43	19	M-6	19	29	52	64	6,25	40	48	45	4
											60	10
											75	15
DSD 60+Bell	60	23	M-6	14	39	76	95	6,5	60,5	128	45	15
											60	25
											75	45
DSD 80+Bell	86	27	M-8	25	65	100	120	8,5	85	232	45	75
											60	110
											75	150
DSD 100+Bell	100	28	M-10	22	67	124	149	10,5	103,5	465	45	90
											60	160
											75	220
DSD 150+Bell	150	37	M-14	34	114	182	214	12	155	1110	45	130
											60	250
											75	350
DSD 200+Bell	200	44	M-18	35	140	240	280	15	208	2736	45	500
											60	825
											75	1250
DSD 40	43	17	M-6	19	29	52	64	6,25	24,5	28	45	4
											60	10
											75	15
DSD 60	60	21	M-6	14	39	76	95	6,5	32	73	45	15
											60	25
											75	45
DSD 80	86	25	M-8	25	65	100	120	8,5	51	130	45	75
											60	110
											75	150
DSD 100	100	25	M-10	22	67	124	149	10,5	54	262	45	90
											60	160
											75	220
DSD 150	150	34	M-14	34	114	182	214	12	76	664	45	130
											60	250
											75	350
DSD 200	200	40	M-18	35	140	240	280	15	128	1615	45	500
											60	825
											75	1250

DRD



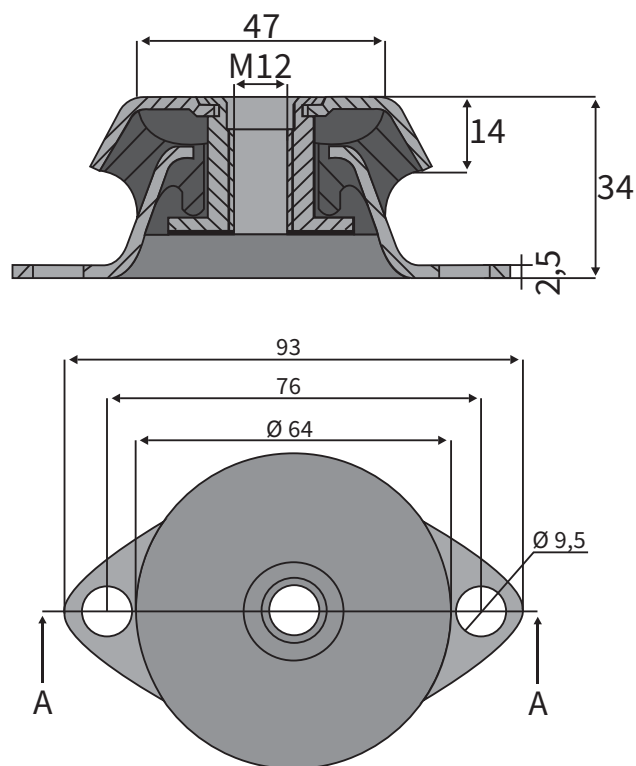
DRD 45
DRD 65
DRD 85
DRD 90



DRD 130
DRD 170
DRD 250

TIPO	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)	F (MM)	G (MM)	PESO (GR.)	DUREZA (SH)	CARGA MÁX. (KG)
DRD 45	33	25	M-8	66	85	2	8	70	45	20
									60	50
DRD 65	52	35	M-10	92	114	2,5	10,5	170	45	40
									60	75
DRD 85	52	40	M-10	110	136	3	11,5	303	45	75
									60	120
									75	185
DRD 90	57,5	45	M-10	125	150	3	12,5	430	45	130
									60	220
									75	275
DRD 130	78	63	M-12	120	150	5	14,5	1080	45	280
									60	500
									75	625
DRD 170	100	84	M-16	160	200	4	14,5	2390	45	380
									60	750
									75	930
DRD 250	187	158	M-24	250	310	6	18,5	10400	45	1400
									60	2500
									75	3150

MD



TIPO	PESO (GR.)	CARGA MÁX. (KG)
A	238	130
B	238	105
C	238	70
D	238	50



Fig.1

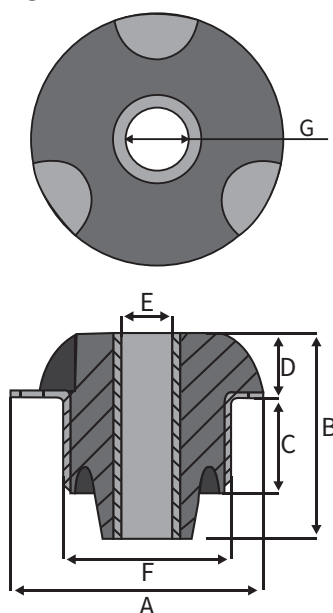


Fig.2

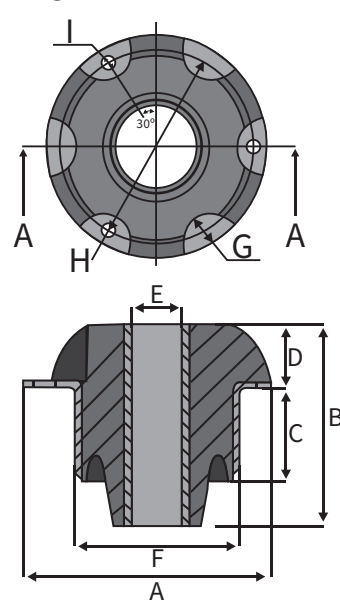


Fig.3

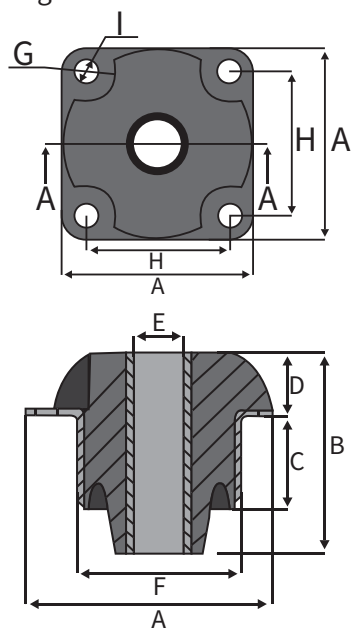
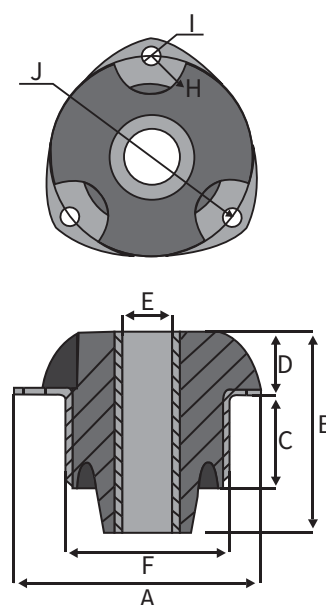


Fig.4



AT



TIPO	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)	F (MM)	G (MM)	H (MM)	I (MM)	J (MM)	PESO (GR.)	FIG.	DUREZA (SH)	CARGA MÁX. (KG)
AT 000	25	11	3	6,5	6,4	20	4	19	3,2		8	3	45	6
													60	8
													75	10
AT 00	36	28	12	11,5	8,2	26	12	26	5,2		39	3	45	20
													60	30
													75	40
AT 01	48	40	18	18	12,1	37,5	8				138	1	45	50
													60	65
													75	80
AT 02	48	51	24	18	12,1	37,6	8				144	1	45	65
													60	85
													75	110
AT 10	60	47	18	19	12,2	49	11	69	8,2	73	250	4	45	70
													60	100
													75	120
AT 11	60	60	30,5	19	12,2	49	11	69	8,2	73	250	4	45	85
													60	120
													75	150
AT 20	71	55	27,5	19	18,3	55,7	10				344	1	45	100
													60	150
													75	180
AT 21 round	70	70	38,5	20,7	18,3	55,7	10	80	8,5	86	437	1	45	135
													60	190
													75	250
AT 21 lugs	70	70	38,5	20,7	18,3	55,7	10	80	8,5	86	437	4	45	135
													60	190
													75	250
AT 30	91	75	29	28	20,2	65	16	78	8,5		522	2	45	175
													60	240
													75	300
AT 31 round	90	95	47	28	20,2	65	16	95	8,5		775	1	45	250
													60	350
													75	420
AT 31 lugs	90	95	47	28	20,2	65	16	95	8,5	107	780	4	45	250
													60	350
													75	420

AT



TIPO	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)	F (MM)	G (MM)	H (MM)	I (MM)	J (MM)	PESO (GR.)	FIG.	DUREZA (SH)	CARGA MÁX. (KG)
AT 40 round	100	90	42	28	22,2	74	18	100	8,5	112	789	1	45	225
													60	320
													75	380
AT 40 lugs	100	90	42	28	22,2	74	18	100	8,5	102,9	895	4	45	225
													60	320
													75	380
AT 41 round	100	110	49	28	22,2	74	18	100	8,5	112	895	1	45	250
													60	360
													75	480
AT 41 lugs	100	110	49	28	22,2	74	18	100	8,5	112	900	4	45	250
													60	360
													75	480
AT 50	120	100	47	33	40,2	86	20	114	8,5		1350	4	45	325
													60	440
													75	550
AT 51	120	120	63	53	40,2	86	20	104	10,5		1494	2	45	400
													60	440
													75	670
AT 70 lower	163,5	97	36	43,5	60,2	118	22	145	10,5		3124	2	45	450
													60	600
													75	800
AT 70	163,5	140	66	46	60,2	118	22	145	10,5		3124	2	45	700
													60	900
													75	1100
AT 71	163,5	170	96	46	60,2	118	22	145	10,5		3790	2	45	850
													60	1100
													75	1400
AT 80	230	167	95	53	80	170	30	204	12,2		7096	2	45	1250
													60	1800
													75	2300
AT 81	230	185	113	53	80	170	30	204	12,2		7702	2	45	1600
													60	2100
													75	2600



Fig.1

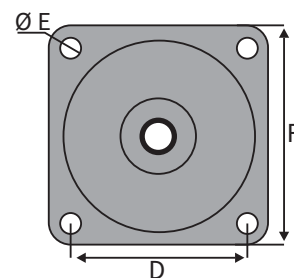
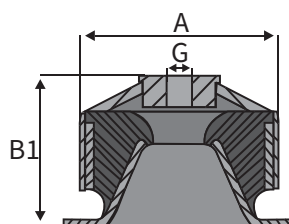
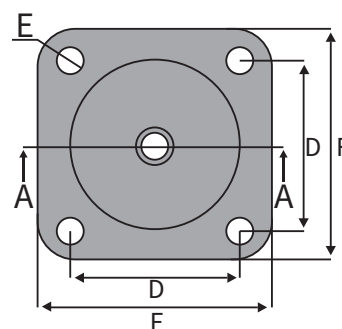
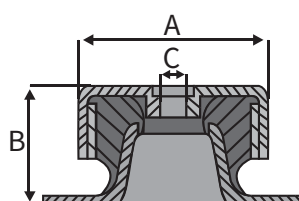
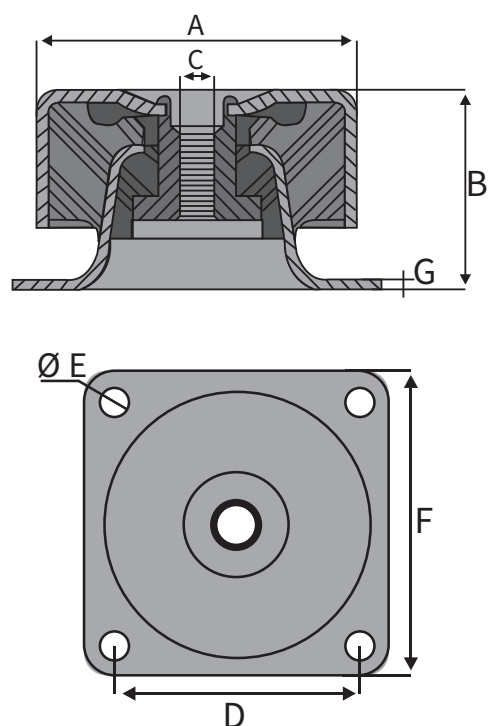


Fig.2



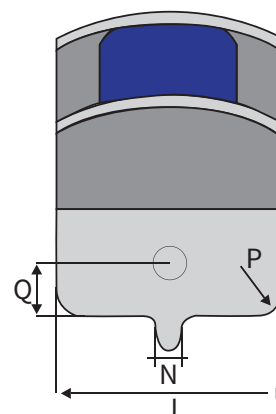
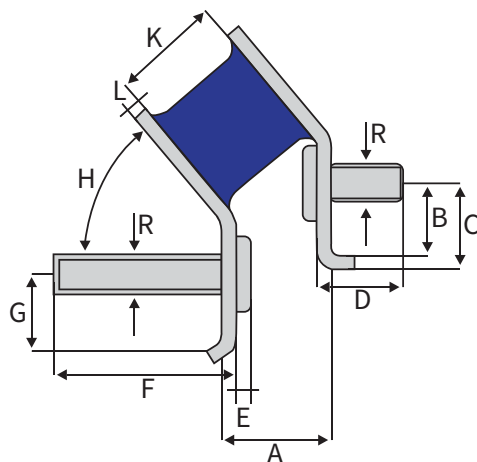
TIPO	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)	F (MM)	G (MM)	PESO (GR.)	B1	DUREZA (SH)	CARGA MÁX. (KG)	FIG.
ATP 020	49,7	31,5	M-8	50	7	68	16	143		45	50	2
										60	75	
										75	100	
ATP 120	73,6	43	M-10	72,2	9,2	90	32	379	53	45	70	2
										60	120	
										75	175	
										45	70	1
										60	120	
										75	175	
ATP 220	91	53	M-12	90	11	114,2	36	618	63	45	140	2
										60	200	
										75	300	
										45	140	1
										60	200	
										75	300	
ATP 420	124,5	75	M-16	114	13	144	60	1510	94	45	300	2
										60	500	
										75	800	
										45	300	1
										60	500	
										75	800	

SPS



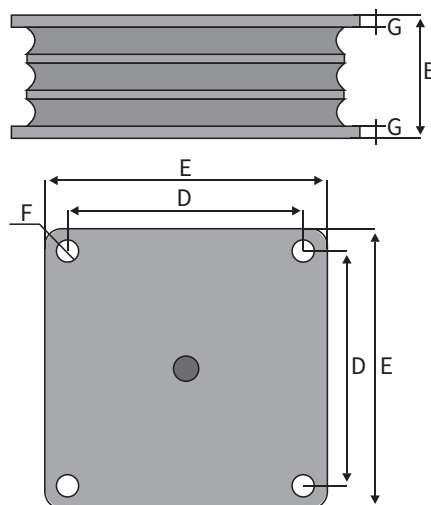
TIPO	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)	F (MM)	G (MM)	PESO (GR.)	DUREZA (SH)	CARGA MÁX. (KG)
SPS 020	50	28	M-8	50	6	60	1,5	171	45	80
									60	100
									75	150
SPS 120	76	39	M-10	63,5	6,7	76	3	524	45	180
									60	240
									75	300
SPS 220	90	51	M-12	90	11	114	3	971	45	170
									60	300
									75	450
SPS 420	125	78	M-16	114	13	144	4	2424	55	800
									65	1400
									75	1625

V-SHAPED GENERATOR MOUNT



TIPO	A (MM)	B (MM)	C (MM)	D (MM)	E (MM)	F (MM)	G (MM)	H (°)	J (MM)	K (MM)	L (MM)	N (MM)	P (MM)	Q (MM)	R (MM)	PESO (GR.)	DUREZA (SH)	CARGA MÁX. (KG)
Small	23	14,5	18	18	3	38	15,9	50	47	23	3	5	5	11	M8	150	45	5
																	60	15
Large	28	14,5	18	18	3	38	20	50	54	31	3	7	10	16	M8	205	45	40
																	60	90

SH

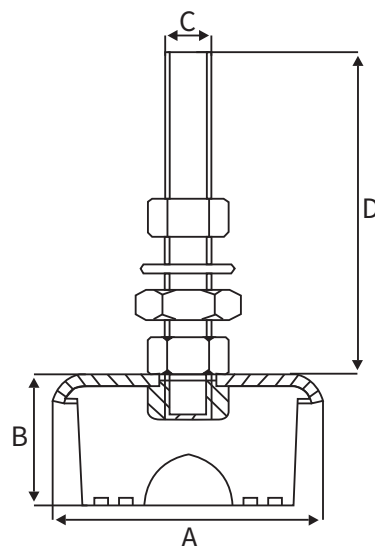


TIPO	B (MM)	D (MM)	E (MM)	F (MM)	G (MM)	PESO (GR.)	DUREZA (SH)	CARGA MÁX. (KG)
SH 125	52	118	148	13,5	5	2,5	45	2250
							60	4500
SH 150	63	136	166	13,5	6	4,5	45	3750
							60	7500
SH 200	78,5	184	220	17	8	9	45	6000
							60	12000
SH 300	120	270	310	22	10	27	45	15000
							60	30000
							70	40000

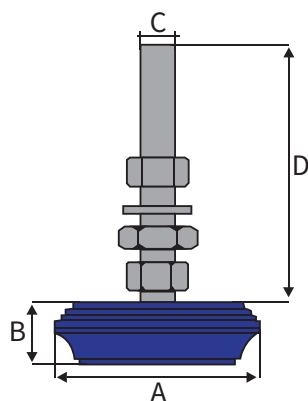
SV



TIPO	A (MM)	B (MM)	C (MM)	D (MM)	CARGA MIN. (KG)	CARGA MÁX. (KG)	PESO (GR.)
000	45	23	M-8	48	20	80	91
00	60	28	M-10	81	60	120	235
0	70	34	M-12	89	90	160	350
1	85	32	M-12	89	130	350	456
2	100	40	M-14	109	270	600	702
3	120	37	M-16	116	450	900	954
4	140	55	M-16	116	700	1200	1513
5	160	60	M-16	116	1100	1750	1865
6	180	70	M-24	138	1500	2500	3034
7	210	75	M-24	138	2100	3750	4248



LOW SV



TIPO	A (MM)	B (MM)	C (MM)	D (MM)	CARGA MIN. (KG)	CARGA MÁX. (KG)	PESO (GR.)
000 B	43	16	M-8	45	40	80	257
00 B	60	18	M-10	81	60	120	334
0 B	70	20	M-12	89	90	160	286
1 B	85	25	M-12	89	130	350	382
2 B	100	20	M-14	109	270	600	574
3 B	120	25	M-16	116	450	900	867
4 B	140	33	M-16	116	700	1200	1300
5 B	160	36	M-16	116	1100	1750	1556
00B Stainless Steel	60	18	M-10	81	60	120	334
0B Stainless Steel	70	20	M-12	89	90	160	286
1B Stainless Steel	85	25	M-12	89	130	350	382
2B Stainless Steel	100	20	M-14	109	270	600	574
3B Stainless Steel	120	25	M-16	116	450	900	867
4B Stainless Steel	140	33	M-16	116	700	1200	1300
5B Stainless Steel	160	36	M-16	116	1100	1750	1556