

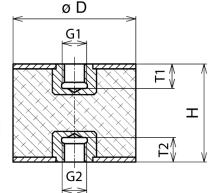
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### 1055I

elasto-C-Mounts 100x55 100x55 C M16/16 Shore A

Dimensions:	
D	Н
3.94	2.17
G1	G2
M16	M16
T1	T2
0.63	0.63
Elastomer	ShoreA
	43





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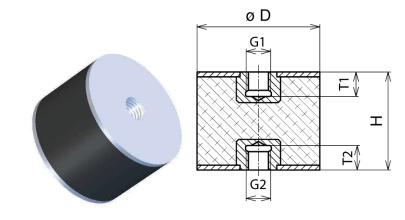
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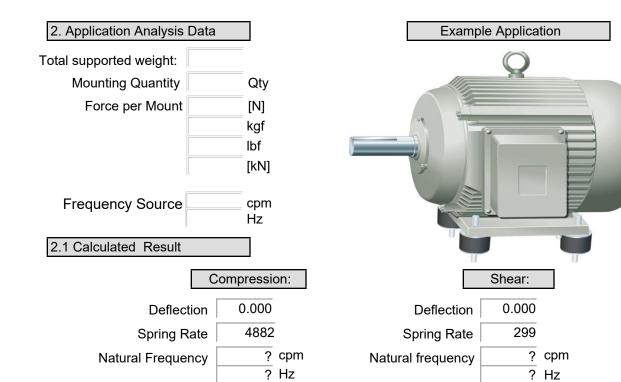
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Frequency Ratio

Calculated Isolation

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? N/mm2

?

Frequency Ratio

Isolation

? N/mm2

?

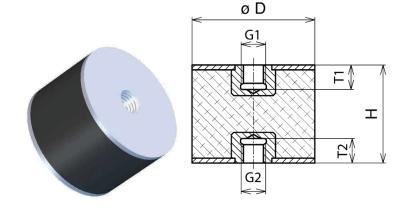


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#### 3. Recommended Compression Load

#### **Compression Information**

Deflection	0.000
Spring Rate	4882
Maximum Stress	54.21

### **Compression Deflection Information**

0.000 4881.7

? Natural Frequency at max. load ?Isolation at

t<sub>a</sub> Compression load

Maximum Force

Maximum Deflection

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Stress 0.00
max. force at 15% 1.40
Natural Frequency ? cpm

Frequency Ratio ? N/mm2
Calculated Isolation ?

no isolation

Unstressed Loaded

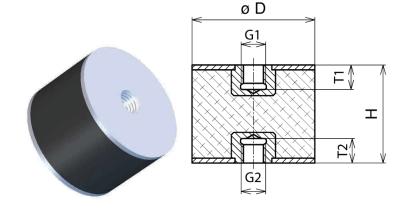


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#### 4. Recommended Shear Load

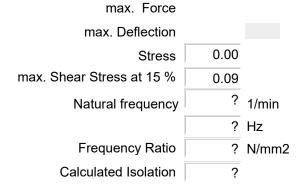
#### **Shear Information**

Deflection	0.000
Spring Rate	299
max. stress	0.05

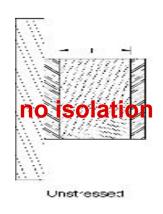
#### **Shear Deflection Information**

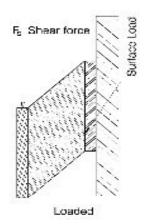
0.000 298.9

? Natural Frequency by max. load? Isolation by



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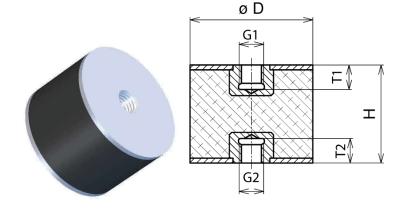
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#### 5. Compression/Injection Molded Standard Product Tolerances

Standard compression molded product dimensional tolerances conform to DIN ISO 3302-1 M3 C Standard Injection molded product tolerances conform to DIN ISO 3302-1 M3 F Further information regarding product/process quality can be provided upon request.

	Dimensions   Tolerance in mm   Tolerance in Inch   Class M3-F     DIN ISO 3302-1   DIN ISO 3302-1				Tolerance in mm Class M3-C DIN ISO 3302-1	Tolerance in Inch Class M3-C DIN ISO 3302-1	
from	to	from	to	mm	inch	mm	inch
0	4	0	.15"	± 0.25	±.010	± 0.40	±.016
4	6.3	.16"	.25"	± 0.25	±.010	± 0.40	±.016
6.3	10	.25"	.39"	± 0.30	±.012	± 0.50	±.020
10	16	.39"	.63"	± 0.40	±.016	± 0.60	±.024
16	25	.63"	.98"	± 0.50	±.020	± 0.80	±.032
25	40	.98"	1.57"	± 0.60	±.024	± 1.00	±.040
40	64	1.57"	2.52"	± 0.80	±.032	± 1.30	± .051
63	100	2.38"	3.94"	± 1.00	±.040	± 1.60	±.063
100	160	3.94"	6.30"	± 1.30	±.051	± 2.00	±.079
160		6.30"		± 1.3 %	± 1.3 %	± 1.3 %	± 1.3 %

Standard rubber hardness tolerance ± 5 Shore A Durometer per ASTM D2000



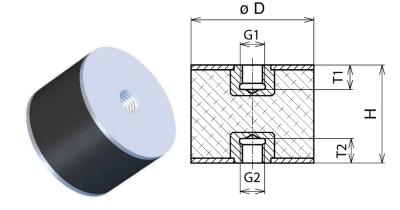
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#### 6. Rubber Selection

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	E.	•			1- <u></u>							PRO	PER	TIES					
Hardness Range (ShoreA)	Temperature Resistance Range 'C (F°)	Short Term Peak Temperature C° (F°)	Tensile Strength (Wmm²) (PSI)	Tensile Eloangariotion %	Elastomer Basic Material Chemical-Technical Discription Below: (Trade Name)	International Description	Tensile Strength	Tear Resistance	Abrasion Resistance	Restoring Ability	Rebound Resilience	Ozone Resistance	Flame Resistance	Acid Resistance	Benzene & Mineral Oil Resistance	Gas Impermeability	Water Absorption Resistance	- Temperature Resistance	+ Temperature Resistance
25 - 95	<b>-40°- 75°</b> (-40°- 167°)	+100° (212°)	<b>31</b> (4496)	800	Natural Rubber	NR	2	2	2	2	1	4	5	3	5	4	3	2	4
30 - 90	-30°- 120° (-22°- 248°)	+150° (302°)	<b>27.5</b> (3988)	450	Chloroprene (Baypren, Neoprene)	CR	2	3	2	3	2	2	2	2	3	3	4	4	3
30 - 90	-40°- 150° (-40°- 302°)	+180° (356°)	<b>20</b> (2901)	450	Ethylene-Propylene - Terpolymer	EPDM	3	4	3	3	3	1	6	3	5	3	2	3	2
25 - 95	-40°- +140° (-40°- 248°)	+160° (320°)	<b>25</b> (3626)	500	Ntrile Butadine (Perbunan)	NBR	3	4	3	3	3	5	5	3	1	3	3	4	3
35 - 95	-30°- +110° (-22°- 230°)	+150° (302°)	25 (3626)	450	Styrene-Butadiene	SBR	3	3	2	3	3	5	5	3	5	3	3	3	3
30 - 85	-40°- +130° (-40°- 266°)	+150° (302°)	17 (2466)	800	Butyl	IIR	3	2	2	3	5	1	4	4	6	4	2	2	3
55 - 98	-30°- +80° (-22°- 176°)	+100° (212°)	<b>30</b> (4351)	800	Polyurethane	PUR	1	2	1	3	3	2	4	5	2	4	5	3	4
40 - 80	-70°- +180° (-94°- 356°)	+225° (437°)	<b>8</b> (1160)	250	Silicone Rubber	SI	5	5	5	5	2	1	4	3	5	5	4	1	1
65 - 90	-30°- +225° (-22°- 437°)	+350° (662°)	<b>20</b> (2901)	400	Fluorocarbon (Viton)	FPM	3	2	5	5	4	1	1	1	1	1	3	4	1

1 = Very Good 2 = Good 3 = Satisfactory 4 = Adequate 5 = Poor

The above mentioned information are used for a guide and can be modified by elatometall to improve certain characteristis.

6 = Inadequate



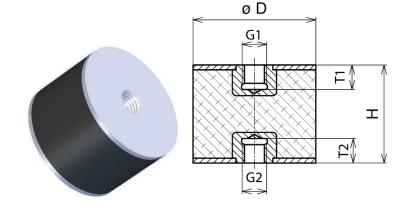
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### 7. Tightening Torque and Bolt Grades & Class

Tightening Torque per ASTM A193 and A194

	CLASS 5.6	CLASS 8.8	<b>CLASS 10.9</b>
Thread Size & Pitch	Tightening Torque (Nm)	Tightening Torque (Nm)	Tightening Torque (Nm)
M2	0.16	0.37	0.52
M2.3	0.26	0.6	0.84
M2.6	0.37	0.86	1.21
М3	0.59	1.34	1.88
M3.5	0.9	2.06	2.89
M4	1.34	3.04	4.31
M5	2.65	6.03	8.48
M6	4.51	10.3	14.71
M7.	7.45	17.16	24.52
M8	10.79	25.5	35.3
M10	21.57	50.01	70.61
M12	38.25	87.28	122.58
M14	60.8	138.27	194.17
M16	93.16	210.84	299.1
M18	127.49	411.88	411.88
M20	180.44	558.98	578.5
M22	245.17	558.98	784.54
M24	308.91	710.99	1000.28
M27	460.92	1049.32	1480.81
M30	522.73	1421.97	2010.38

GRA	ADE 8	GRAI	DE 5	GRAD	DE 2	GRAD		
Toro	tening rque t-lb)	Toro	ue	Tighte Torq (ft-l	que	Tighte Torq (ft-li	hread ize & Pitch	
1.8	.88	1.8	3	1.3	86	0.8	6-32	_
3.4	.44	3.4	4	2.4	58	1.5	8-32	
49	99	49	3	3.5	29	2.2	0-24	
7.8	.84	7.8	5	5.5	59	3.5	2-24	. 3
11	1.9	11.	5	8.4	47	5.4	/4-20	. 3
24	4.6	24.	4	17.	.3	11.3	16-18	
43	3.6	43.	9	30.	0	20	/8-16	3
69	9.8	69.	4	39.	2	32	16-14	7
10	06	10	4	75.	.8	48.	/2-13	. 3
15	54	15	9	109	.4	70.	16-12	9
21	12	21	0	150	.1	97.	/8-11	1 3
37	76	37	6	360	)3	103	/4-10	3
60	06	60	0	430	57	167	7/8-9	
90	09	90	1	56	50	250	1-8	
128	288	128	4	79	54	354	-1/8-7	. 8
18	817	181	0:	112	00	500	-1/4-7	- 8
23	382	238	9	146	55	655	-3/8-6	- 3
316	161	316	9	194	9	869	1/2-6	
7.8 11 24 43 69 10 15 21 37 60 90 128 18 23	.84 1.9 4.6 3.6 9.8 06 54 12 76 606 9288 817 382	7.8 11. 24. 43. 69. 10 15 21 37 60 90 128 181	5 5 4 9 4 4 4 4 9 0 6 6 0 1 1 1 4 9 9	5.5 8.4 17. 30. 39. 75. 109 156 360 430 566 794 112	59 47 .3 0 0 2 2 3.8 0.4 (.1 03 57 50 50 55	3.55 5.4 11.1 20 32 48.3 70.4 97. 103 167 250 354 500 655	2-24 /4-20 /16-18 /8-16 /16-14 /2-13 /16-12 /8-11 /4-10 /7/8-9 1-8 -1/8-7 -1/4-7 -3/8-6	9

English Units: (Coarse Thread)

	GRADE 2	GRADE 5	GRADE 8
Thread Size & Pitch	Tightening Torque (ft-lb)	Tightening Torque (ft-lb)	Tightening Torque (ft-lb)
6-40	0.96	1.49	2.1
8-36	1.66	2.57	3.63
10-32	2.61	4.04	5.7
12-28	3.83	5.92	8.36
1/4-28	6.26	9.7	13.7
5/16-24	12.5	19.3	27.2
3/8-24	22.66	35	49.4
7/16-20	35.7	55.2	77.9
1/2-20	55	84.9	120
9/16-18	78.5	121	171
5/8-18	110	170	240
3/4-16	115	297	420
7/8-14	184	473	668
1-12	273	613	995
1-1/8-12	397	891	1445
1-1/4-12	553	1241	2012
1-3/8-12	746	1673	2712
1-1/2-12	978	2194	3557

Non-Standard

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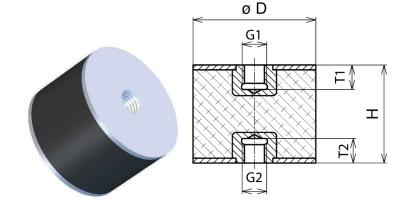
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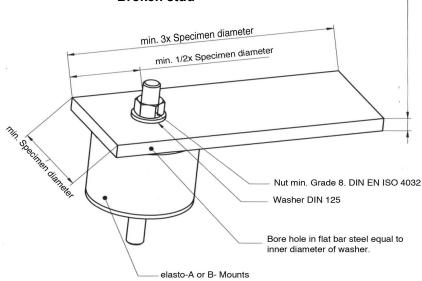
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### 8. Torque Threaded Stud Test of elasto-A- and B-Mounts

Tighten flat bar steel on jaw vise. Setup required torque wrench per table. Use a nut for specimen and tighten it with torque wrench until the required torque is achieved. Loosen nut from specimen and visual check threaded studs for:

- Stud extension
- Thread pitch damaged or sheered
- Connection between washer
- Broken stud





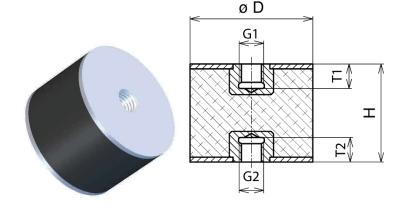
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### 9. Certificate of RoHS Compliance

Customer

We confirm that these mounts are RoHS Compliance.

#### 9. Shelf Life Expectancy

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Rubber to metal bonded products have a shelf life expectancy of up to 20 years under certain conditions such as room temperature and avoiding direct sunlight or artificial lights.

- ALWAYS KEEP PARTS AWAY FROM DIRECT SUNLIGHT AND BETWEEN 10° - 30° CELSIUS -