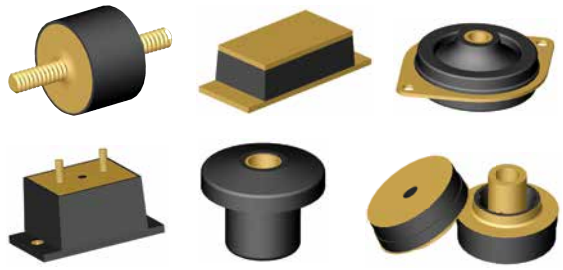
Vibration Control

In This Section

Mount Selection
A detailed guide to mount selection.

Mounts
A large range of mounts including sandwhich, centre bonded, flange, two piece, plateform, multiplane, compression engine, conical/hystec, levelling, machinery & industrial shock.



Washers/Bushings
A variety of snubbing washers & centre bonded bushings.

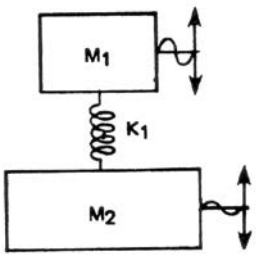
Couplings
A variety of Dynaflex LCR type couplings.

Contents

LORD PHOENIX POLYBOND KARMAN RUBBER

Why consider a Mounting System?
Mounting systems support a machine or component within a machine, and are intended to reduce the adverse effects of vibration/shock/noise that is mechanically transmitted from something that is creating vibration, shock loads or noise to something that could adversely be affected.
Figure 1 shows this graphically.
M1 is vibrating due to unbalance or some oscillating motion
M2 would be adversely affected if connected directly to M1
Mounts K1 provide a resilient connection that permits relative motion.

Figure 1



What Can You Expect From A Mounting System?
Greater sales appeal for your product or better performance for your in-plant machine:
a. helping it run smoothly and quietly
b. extending its reliable service life
c. improving its accuracy
d. reducing its maintenance requirements
e. lowering its cost by accommodating misalignment and reducing stress
f. replacing operator fatigue with comfort

Kgs	Lbs	N
1	2.2046	9.81
0.4536	1	4.45
0.1019	0.2247	1

How to Select the Mounting System that will Satisfy Your Requirements.
First, identify your requirements:
a. Weight to be supported at each mounting point. Example: 16 kgs. (35lbs) [157N] total assume 4 mounting points therefore 4 kgs/mount (8.75 lbs / mount) [39.2N / mount] and centre of gravity at geometric centre.
b. Vibration frequency of the disturbing machine. If this information is not readily available, here are some suggestions;
1. Vibration is frequently caused by inbalance of rotating members. A machine with an 1800 rpm motor will most likely be vibrating at 1800 cpm or 30 Hz (cps)
2. Selection of mounts for engines should be based upon lowest operating speed.
3. A mounting system that isolates the lowest frequency vibration also isolates all higher frequencies.
c. Determine isolation efficiency required. If this is not given and you have no basis for arriving at a value, start with 75% isolation efficiency. This would mean 25% of the disturbing vibration force or amplitude would be transmitted (T) to the isolated unit. This Value is reasonable and generally acceptable.
Second, Calculate required Natural Frequency:
d. Calculate required natural frequency and static deflection for mounts for fd = 30Hz and T = 0.25
Third, determine required static deflection or spring rate:
e. Static deflection (ds) for this natural frequency is calculated with the formula
ds = 251.384 / fn2 251.384 is a constant (9.80/ fn2 9.80 is a constant)
251.384/(13.42) = 1.4mm (9.80/(13.42) = 0.055 in.)

$$T = \frac{1}{\left(\frac{f_d}{f_n}\right)^2 - 1} \quad \text{or} \quad f_n = \frac{f_d}{\sqrt{\frac{1}{T} + 1}}$$

for fd = 30 Hz and T= 0.25

$$f_n = \frac{30}{\sqrt{\frac{1}{.25} + 1}} = 13.4 \text{ Hz}$$

f. Mount data sheets sometimes list spring rate rather than static deflection. Required spring rate (K) can be calculated as follows;
K = load (kgs)/ static deflection. or [= load (N) / static deflection.] or (=load (lbs) / static deflection)
= 4 kg/ 1.4 mm [= 39.2 N / 1.4mm] (= 8.75 lbs / 0.055 in)
= 2.85 kg/mm [= 28 N/mm] (= 160 lbs/in)
Fourth, Select mounts:
g. Select style of mount desired.
h. Select mount that has load capacity equal to or greater than calculated value.
Fifth, determine isolation efficiency:
i. Mounts are not always available with the right combination of load capacity and static deflection or spring rate. Overloading mounts is not recommended. Underloaded mounts will produce less static deflection and not isolate as well. Figure 2 will help you determine the isolation efficiency you can expect. First, calculate actual static deflection (das) for mount based on actual load compared to rated capacity.
das = ds x (actual load/rated capacity)
Refer to Figure 2, the isolation efficiency can be determined by tracing vertically along the static deflection axis to the disturbing frequency (30 Hz) horizontal line. The percent reduction in vibration is shown by the diagonal line (75%).

Isolation Efficiency: Figure 2

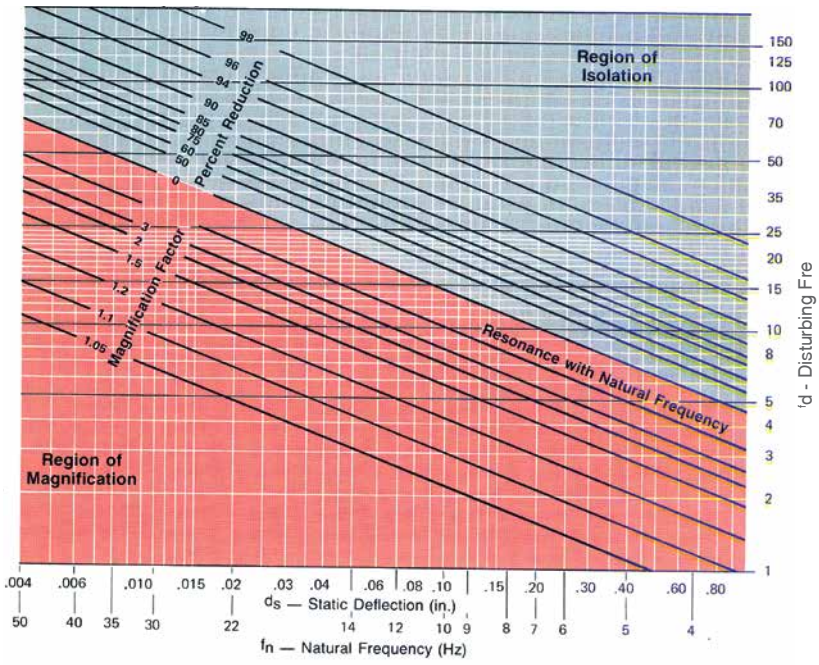
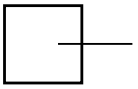
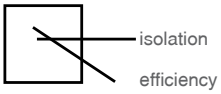


Figure 2 can also be used to arrive at the required static deflection by starting with the disturbing frequency. Find the point where the disturbing frequency and desired percent reduction in vibration line intersect. The vertical line passing through this point is the required static deflection to produce the desired vibration isolation efficiency of the disturbing frequency.

1 Determine fd (disturbing frequency)

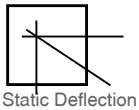


2. Decide on required Isolation Efficiency



3. Vertical line from point of intersection is required - ds (static deflection) and fn (natural frequency)

Ks (Spring Rate) = supported load required static deflection

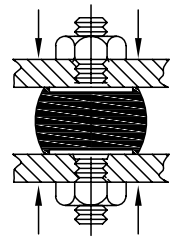


Sandwich Mounts

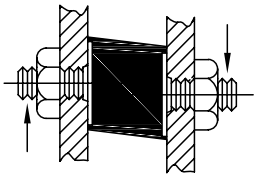
Lord - Flexi-Bolt Sandwich Mounts
Karman Rubber - Multi Purpose Vibro - Insulators
Caldyn - Rm Isolators

Known by many names (including bumpers, snubbers, feet, attachments, shockmounts, shearmounts, cylindrical mounts, isolators, levellers, insulators and sandwich mounts) they offer solutions to thousands of vibration and noise problems. Constructed with high-strength bonds and specially compounded elastomers, these mounts provide high load-carrying capacity and assure long life.Typical applications for Sandwich mounts include business machines, motorcycles, heating, ventilating and air conditioning equipment, light motors, appliances, shipping containers, feeders, compactors and vibratory rollers. Care should be taken with the application of Sandwich mounts to ensure that they are not subjected to tensile loads.

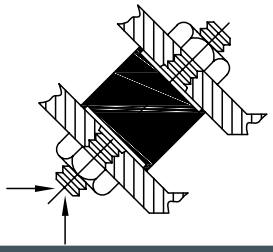
Load in Compression



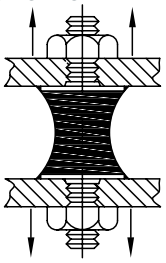
Load in Shear



Arrangement for optimum effect

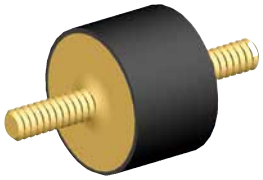


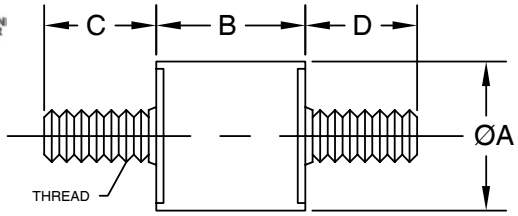
DO NOT LOAD IN TENSION



Sandwich Mounts - Male Male (continued over page)

LORD PHOENIX POLYBOND KARMAN RUBBER





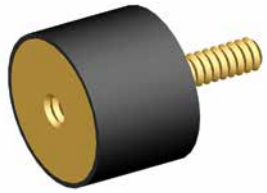
Part No.	A	B	C	D	Rubber	Hardness	Thread	Comp Load Spring Rate				Shear Load Spring Rate			
								Lbs	N	Lbs/in	N/mm	Lbs	N	Lbs/in	N/mm
S820DD52	7.9	12.7	12.7	12.7	Neoprene	50	8 x 32	-	-	-	-	5	22	100	18
K800DD72	9.5	12.7	12.7	12.7	Neoprene	70	8 x 32	15	67	300	53	2	9	54	9
SMB00301001	9.7	12.7	9.7	9.7	Natural	40	8 x 32	7	31	100	18	1	4	18	3
SMB00301002	9.7	12.7	9.7	9.7	Natural	45	8 x 32	10	44	138	24	1.5	7	26	5
SMB00304008	9.7	12.7	9.7	9.7	Neoprene	50	M4 x 0.7	13	58	200	35	2	9	40	7
SMB00601002	15.7	15.7	12.7	12.7	Natural	40	1/4" x 20	35	156	325	57	5	22	55	10
SMB00601009	15.7	15.7	12.7	12.7	Neoprene	60	1/4" x 20	60	267	700	123	9	40	105	18
SMB00604009	15.7	15.7	12.7	12.7	Neoprene	60	M6 x 1	60	267	700	123	9	40	105	18
K460AA52	19.1	19.1	12.7	12.7	Neoprene	50	1/4" x 20	40	178	550	96	4	18	50	9
781050M	20	15	16	16	Neoprene	55	M6 x 1	67	300	1030	180	7	30	630	110
781060S	25	20	21	21	Natural	40	M6 X 1	60	270	742	130	16	70	115	20
781061	25	10	16	16	Neoprene	55	M6 x 1	205	910	5765	1010	43	190	514	90
K470AA62	25.4	19.1	12.7	12.7	Neoprene	60	1/4" x 20	60	267	800	140	12	53	120	21
K470M642	25.4	19.1	12.7	12.7	Neoprene	40	M6 x 1	30	133	400	70	6	27	60	11
K470M652	25.4	19.1	12.7	12.7	Neoprene	50	M6 x 1	50	222	675	118	9	40	90	16
K470M672	25.4	19.1	12.7	12.7	Neoprene	70	M6 x 1	80	356	1075	188	18	80	180	32
K4740CC72	25.4	19.1	15.9	15.9	Neoprene	70	5/16" x 18	80	256	1075	188	18	80	180	32
K4740M852	25.4	19.1	15.9	15.9	Neoprene	50	M8 x 1.25	50	222	675	118	9	40	90	16
J4624109	25.4	19.1	9.7	9.7	Neoprene	20	1/4" x 20	28	125	195	34	3	13	28	5
J462419	25.4	19.1	9.7	9.7	Natural	35	1/4" x 20	36	160	320	56	6	27	55	10
J462414	25.4	19.1	12.7	12.7	Neoprene	45	1/4" x 20	64	285	620	109	12	53	105	18
J462427	25.4	19.1	19.1	19.1	Neoprene	45	1/4" x 20	64	285	620	109	12	53	105	18
J462423	25.4	19.1	15.7	15.7	Neoprene	55	1/4" x 20	110	489	940	165	17	76	180	32
J462432	25.4	19.1	12.7	12.7	Neoprene	70	1/4" x 20	200	890	1800	315	29	129	260	46
J462457	25.4	19.1	15.7	15.7	Natural	35	5/16" x 18	36	160	320	56	6	27	55	10
J4624119	25.4	19.1	12.7	22.4	Neoprene	45	5/16" x 18	64	285	620	109	12	53	105	18
J462445	25.4	19.1	19.1	19.1	Neoprene	60	5/16" x 18	135	601	1200	210	22	98	200	35
J4624351	25.4	19.1	12.7	12.7	Neoprene	70	5/16" x 18	200	890	1800	315	29	129	260	46
J4624616	25.4	19.1	19.1	19.1	Neoprene	50	M6 x 1	95	423	700	123	14	62	125	22
J4624618	25.4	19.1	19.1	19.1	Neoprene	60	M6 x 1	145	645	1200	210	22	98	220	39
K440CC51	25.4	25.4	15.9	15.9	Natural	50	5/16" x 18	45	200	450	79	16	71	160	28
781070M	30	15	21	21	Neoprene	55	M8 x 1.25	20	880	3370	590	56	250	400	70
781071S	30	20	21	21	Neoprene	40	M8 x 1.25	100	440	1200	210	36	160	170	30
781071M	30	20	21	21	Neoprene	55	M8 x 1.25	169	750	2055	360	63	280	342	60
781072S	30	30	20	20	Neoprene	40	M8 x 1.25	76	340	515	90	36	160	115	20
781072M	30	30	20	20	Neoprene	55	M8 x 1.25	63	280	913	160	61	270	171	30

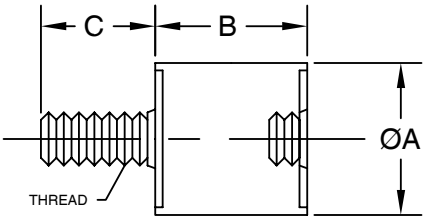
Sandwich Mounts - Male Male (continued)

Part No.	A	B	C	D	Rubber	Hardness	Thread	Comp Load Spring Rate				Shear Load Spring Rate			
								Lbs	N	Lbs/in	N/mm	Lbs	N	Lbs/in	N/mm
K340M842	31.8	31.8	15.9	15.9	Neoprene	40	M8 x 1.25	50	222	400	70	7	31	55	10
K340M851	31.8	31.8	15.9	15.9	Natural	50	M8 x 1.25	70	311	575	101	10	44	80	14
K340M861	31.8	31.8	15.9	15.9	Natural	60	M8 x 1.25	90	400	700	123	13	58	105	18
J11729125	38.1	25.4	19.1	19.1	Natural	70	3/8" x 16	420	1868	200	350	50	222	380	67
J11729126	38.1	25.4	19.1	19.1	Neoprene	45	3/8" x 16	190	845	1000	175	25	111	185	32
J11729127	38.1	25.4	19.1	19.1	Neoprene	55	3/8" x 16	300	1334	1600	280	35	156	320	56
J11729169	38.1	38.1	19.1	19.1	Natural	50	3/8" x 16	225	1001	900	158	30	133	125	22
K370BB52	39.7	25.4	15.9	15.9	Neoprene	50	3/8" x 16	125	556	1250	219	20	89	145	25
K370BB62	39.7	25.4	15.9	15.9	Neoprene	60	3/8" x 16	150	667	1500	263	30	133	200	35
781080M	40	30	21	21	Neoprene	55	M8 x 1.25	258	1150	1830	320	110	490	340	60
781147	40-35	28	26.5	26.5	Neoprene	55	M10 x 1.5	245	1090	1884	330	90	400	285	50
K320M842	41.3	50.8	15.9	15.9	Neoprene	40	M8 x 1.25	40	176	200	35		(tapered)		
781090S1MED	50	20	18.5	18.5	Neoprene	55	M10 x 1.5	717	3190	8676	1520	171	760	856	150
781090M	50	24	26.5	26.5	Neoprene	55	M10 x 1.5	565	2510	5310	930	173	770	685	120
781091MED	50	30	26.5	26.5	Neoprene	55	M10 x 1.5	452	2010	3139	550	171	760	514	90
781092M	50	40	26.5	26.5	Neoprene	55	M10 x 1.5	389	1730	1941	340	175	780	342	60
781112M	50	45	26.5	26.5	Neoprene	55	M10 x 1.5	355	1580	1541	270	169	750	285	50
781112S	50	45	26.5	26.5	Neoprene	40	M10 x 1.5	209	930	913	160	99	440	171	30
K650BB52	50.8	41.3	15.9	15.9	Neoprene	50	3/8" x 16	165	734	1030	180	55	245	280	49
PO50X50C1	50	50	22	22	Neoprene	70	M10 x 1.5	265	1177	960	168	N/A	N/A	N/A	N/A
PO55X38B1	55	38	34	34	Neoprene	55	3/8" x 16	185	824	1570	270	N/A	N/A	N/A	N/A
781100M	75	25	39	39	Neoprene	55	M12 x 1.75	1793	7980	15983	2800	387	1720	1427	250
K720PT61	79	38	32	32	Natural	60	1/2" x 13	1120	4983	2800	490	200	892	680	118
J5425276	79.2	57.2	31.8	31.8	Natural	60	1/2" x 13	1670	7428	3525	617	221	933	850	149
J542515	79.2	76.2	31.8	31.8	Natural	45	1/2" x 13	600	2669	1250	219	92	409	220	39
J54251	79.2	76.2	31.8	31.8	Natural	50	1/2" x 13	1020	4537	2165	379	157	698	455	80
J568222	101.6	57.2	31.8	31.8	Natural	50	1/2" x 20	1650	7340	4285	750	160	712	550	98
J56821	101.6	57.2	31.8	31.8	Neoprene	65	1/2" x 20	2700	12010	6900	1208	225	1000	900	160
781111M	100	60	44	44	Neoprene	55	M16	1100	6890	4850	850	625	2780	800	140

Sandwich Mounts - Male Female

LORD POLYBOND KARMAN RUBBER

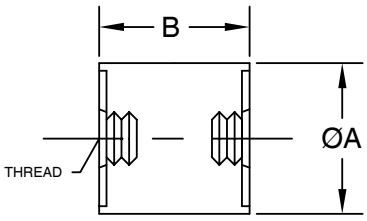




Part No.	A	B	C	Rubber	Hardness	Thread	Comp Load Spring Rate				Shear Load Spring Rate			
							Lbs	N	Lbs/in	N/mm	Lbs	N	Lbs/in	N/mm
K810M442	9.52	12.7	12.7	Neoprene	40	M4 x 0.7	5	52	100	17	0.5	2.2	10	1.8
SMB00302009	9.7	12.7	9.7	Neoprene	60	8 x 32	11	49	360	63	3	13	120	21
SMB00602009	15.7	15.7	12.7	Neoprene	60	1/4" x 20	35	156	1020	179	7	31	180	32
K466AA62	15.7	15.7	12.7	Neoprene	60	1/4" x 20	42	179	640	108	6	27	105	18
781057M	20	25	16	Neoprene	55	M6 x 1	42	180	474	80	20	90	97	17
J462443	25.4	19.1	9.7	Natural	35	1/4" x 20	18	80	565	99	4	18	130	23
J4624165	25.4	19.1	15.7	Natural	40	1/4" x 20	35	156	765	134	9	40	185	32
J4624479	25.4	19.1	12.7	Neoprene	50	1/4" x 20	44	196	1000	175	8	36	230	40
J4624545	25.4	19.1	12.7	Neoprene	65	5/16" x 18	135	601	2100	368	22	98	500	53
K7450AA41	25.4	25.4	12.7	Natural	40	1/4" x 20	40	171	400	67	6	27	60	11
K410CC41	25.4	25.4	15.7	Natural	40	5/16" x 18	40	171	400	67	6	27	60	11
781079M	30	20	13	Neoprene	55	M8 x 1.25	126	560	2340	410	52	230	400	70
J11729177	38.1	25.4	19.1	Neoprene	35	3/8" x 16	60	267	900	158	20	89	225	39
K380M842	38.1	25.4	15.7	Neoprene	40	M8 x 1.25	100	427	1000	168	15	67	100	18
K380M852	38.1	25.4	15.7	Neoprene	50	M8 x 1.25	125	534	1250	210	20	89	145	25
J11729190	38.1	38.1	19.1	Natural	45	3/8" x 16	120	534	500	88	25	111	110	19
781087M	40	30	21	Neoprene	55	M8 x 1.25	99	440	1940	340	72	320	340	60
781088	40	40	21	Neoprene	55	M8 x 1.25	157	700	1085	190	81	360	230	40
K770M1062	50.8	50.8	28.7	Neoprene	60	M10 x 1.5	240	1026	1200	202	60	267	300	53
781107	75	50	39	Neoprene	55	M12 x 1.75	640	2850	3425	600	258	1150	570	100
J542527	79.2	76.2	38.1	Natural	70	1/2" x 20	1540	6850	2750	482	236	1050	650	114

Sandwich Mounts - Female Female

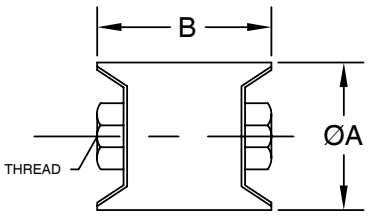
PHOENIX POLYBOND KARMAN RUBBER



Part No.	A	B	Rubber	Hardness	Thread	Comp Load		Spring Rate		Shear Load		Spring Rate	
						Lbs	N	Lbs/in	N/mm	Lbs	N	Lbs/in	N/mm
K400C41	25.4	25.4	Natural	40	5/16" x 18	40	171	400	67	6	27	60	11
K400C62	25.4	25.4	Neoprene	60	5/16" x 18	70	299	700	118	11	49	110	19
781074M	30	30	Neoprene	55	M8 x 1.25	97	430	2055	360	20	90	285	50
PO30X30A4	30	30	Neoprene	40	M8 x 1.25	48	215	410	72	-	-	-	-
K350M841	38.1	25.4	Natural	40	M8 x 1.25	120	513	1250	210	25	111	180	32
K350M851	38.1	25.4	Natural	50	M8 x 1.25	170	726	1750	294	40	178	280	49
K350M861	38.1	25.4	Natural	60	M8 x 1.25	200	855	2050	345	55	245	380	67
781084M	40	30	Neoprene	55	M8 x 1.25	148	660	3139	550	52	230	457	80
781085M	40	40	Natural	55	M8 x 1.25	140	620	1312	230	74	330	285	50
781094M	50	40	Neoprene	55	M10 x 1.5	220	980	2340	410	106	470	457	80
781094H	50	40	Neoprene	70	M10 x 1.5	353	1570	3770	660	169	750	800	140
PO50X50C4	50	50	Natural	60	M10 x 1.5	55	1177	300	170	-	-	-	-
K640M1072	50.8	41.2	Neoprene	70	M10 x 1.5	500	2137	3125	526	120	534	600	105
781104M	75	50	Neoprene	55	M12 x 1.75	452	2010	3482	610	216	960	685	120
781114M	100	60	Neoprene	55	M16 x 1.25	688	3060	4852	850	294	1310	856	150
781124H	150	75	Neoprene	55	M20 x 2.5	2034	9050	9304	1630	757	3370	1427	250
781124M	150	75	Neoprene	70	M20 x 2.5	1100	4900	7760	1360	472	2100	1200	210

Sandwich Mounts - Female Female

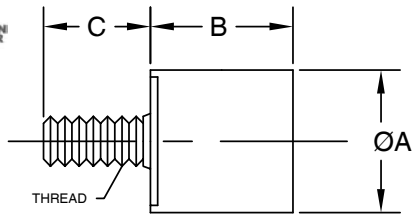
LORD



Part No.	A	B	Rubber	Hardness	Thread	Comp Load Spring Rate				Shear Load Spring Rate			
						Lbs	N	Lbs/in	N/mm	Lbs	N	Lbs/in	N/mm
J34245	50.8	53.8	Neoprene	30	1/2" x 13	205	912	900	158	38	169	165	29
J34242	50.8	53.8	Neoprene	40	1/2" x 13	278	1237	1220	214	66	293	290	51
J342421	50.8	53.8	Neoprene	60	1/2" x 13	549	2442	2410	422	120	534	525	92
J3424175	50.8	66.5	Natural	50	1/2" x 13	282	1254	1735	304	49	220	148	26

Sandwich Mounts - Male Buffer (continued over page)

LORD PHOENIX POLYBOND KARMAN RUBBER



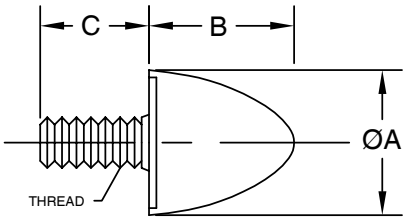
Part No.	A	B	C	Rubber	Hardness	Thread	Comp Load		Spring Rate	
							Lbs	N	Lbs/in	N/mm
K1460AA52	19.1	19.1	12.7	Neoprene	50	1/4" x 20	40	178	550	96
781053M	20	13.5	16	Neoprene	55	M6 x 1	85	380	1030	180
J46247	25.4	17.5	9.7	Natural	-	1/4" x 20	30	133	400	70
K14740M852	25.4	19.05	15.875	Neoprene	50	M8 x 1.25	50	222	675	118
K1480M851	31.75	19.05	15.875	Natural	50	M8 x 1.25	175	778	1000	175
K1340M841	31.75	31.75	15.875	Natural	40	M8 x 1.25	50	214	400	70
K1340M851	31.75	31.75	15.875	Natural	50	M8 x 1.25	70	299	575	97
J11729195	38.1	25.4	19.1	Neoprene	-	3/8" x 16	250	1112	1820	319
K1310CC62	38.1(taper)	31.75	15.875	Neoprene	60	5/16" x 16	80	355	640	111
781083M	40	27	21	Neoprene	55	M8 x 1.25	218	970	1541	270
PO50X40C3	50	40	22	Natural	60	M10 x 1.5	68	1472	345	295

Sandwich Mounts - Male Buffer (continued)

Part No.	A	B	C	Rubber	Hardness	Thread	Comp Load		Spring Rate	
							Lbs	N	Lbs/in	N/mm
781103	75	25	39	Neoprene	55	M12 x 1.75	1038	4620	7990	1400
J5425169	79.2	63.5	19.1	Natural	-	1/2" x 13	1100	4893	2680	469
K1790PC72	80.5	63.5	15.7	Neoprene	70	1/2" x 13	1100	4893	2900	508
81113M	100	40	44	Neoprene	66	M49 x	1746	7770	7990	1400

Sandwich Mounts - Male Buffer Cone

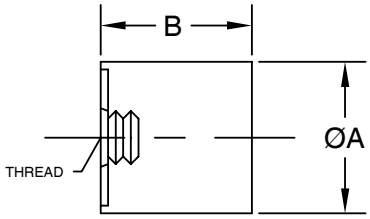
PHOENIX



Part No.	A	B	Rubber	Hardness	Thread	Comp Load		Spring Rate	
						Lbs	N	Lbs/in	N/mm
741278	95	83	Neoprene	55	M16 x 2	337	1500	571	100

Sandwich Mounts - Female Buffer

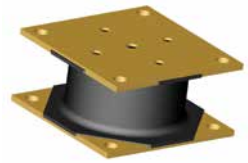
KARMAN RUBBER

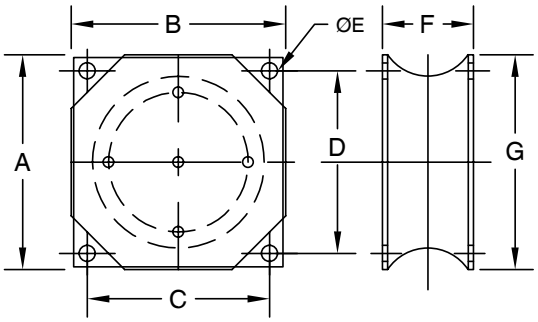


Part No.	A	B	Rubber	Hardness	Thread	Comp Load		Spring Rate	
						Lbs	N	Lbs/in	N/mm
K7750M1062	50.8	50.8	Neoprene	60	M10 x 1.5	240	1026	1200	202

Sandwich Mounts - Large

LORD POLYBOND

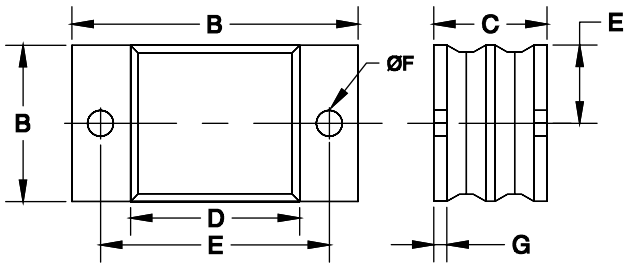




Part No.	A	B	C	D	E	F	G	Plate	Sh L lbs	Sh SR lbs/in	C L lbs	C SR lbs/in
SMA07005001	180.8	180.8	146.1	146.1	12.9	74.0	134.6	4.8	500	1250	4230	8100
SMA07006003	180.8	180.8	146.1	146.1	12.9	76.2	134.6	4.8	600	1450	4900	9400
J140564	180.8	180.8	146.1	146.1	12.9	101.6	139.7	4.8	770	850	3670	5100
SMA09009003	228.6	228.6	190.5	190.5	12.9	101.6	165.1	4.8	900	1300	7600	8200

Sandwich Mounts - Large

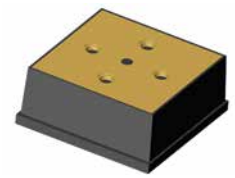
POLYBOND

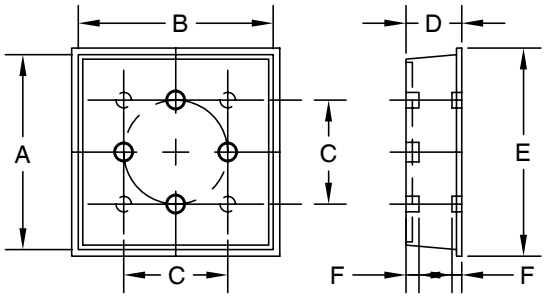


Part No.	A	B	C	D	E	F	G	C L lbs	C SR lbs/in
PS3B	110	60	43	65	89	10.3	5.0	530	4490
PS5D	170	60	43	125	146	10.3	5.0	2205	25460

Sandwich Mounts - Large

LORD

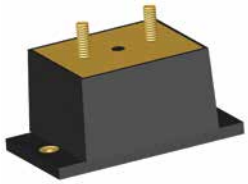


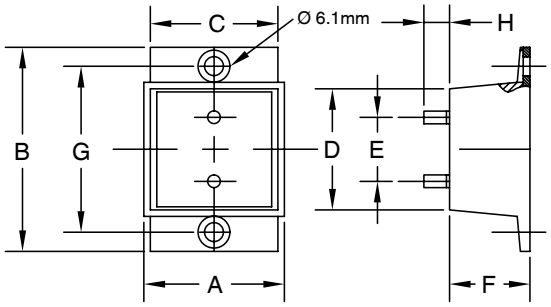


Part No.	A	B	C	D	E	F	Thread	Sh L lbs	Sh SR lbs/in	C L lbs	C SR lbs/in
J513055	120.7	120.7	66.5	53.8	130	13.5	1/2"-20	450	1800	3400	15000
J51301	120.7	120.7	66.5	53.8	130	13.5	1/2"-20	550	2000	4130	17300

Sandwich Mounts - Large

LORD

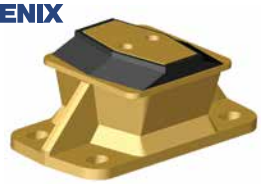


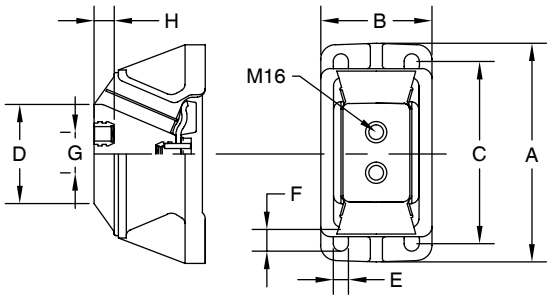


Part No.	A	B	C	D	E	F	G	H	Thread	Sh L lbs	Sh SR lbs/in	C L lbs	C SR lbs/in
J52942	71.4	121.4	65	76.2	44.5	57.2	98.6	20.6	5/6"-18	190	665	1500	6672

Sandwich Mounts - Large

PHOENIX





Part No.	Duro	Max Fz		Range in N/mm			Dimensions							
		lbs	N	Cz	Cx	Cy	A	B	C	D	E	F	G	H
742157	50	899	4000	680	2450	235	216	110	175	98	15	20	40	17

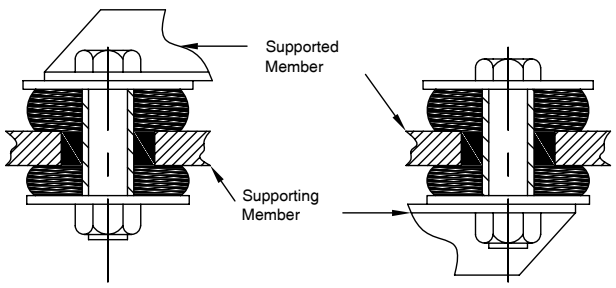
Centre Bonded Mounts

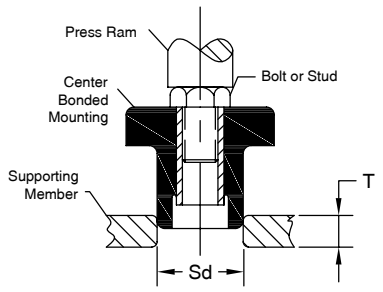
Lord - Center Bonded Mounts
Karman Rubber - Special Purpose Center Bonded
Vibro - Insulators

Centre Bonded Mounts isolate vibration, control shock and reduce noise due to structure borne vibration. Typical applications include; on-highway and off-highway vehicles, construction equipment and industrial machines by supporting engines, cabs, radiators, motors and accessories.

Common Design Features are:

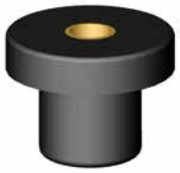
- Vibration isolation in all directions.
- Shock protection in all directions provided by cushioned snubbing, no metal-to-metal bottoming.
- Fail safe assembly when snubbing washer used.
- Stress reduction of mounted assembly by resiliently accommodating structural misalignment and frame racking.

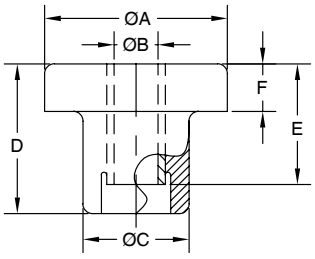


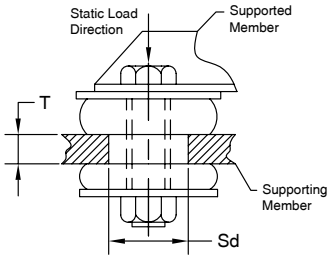


Centre Bonded Mounts

LORD KARMAN RUBBER



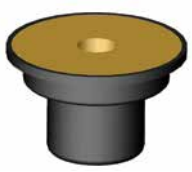


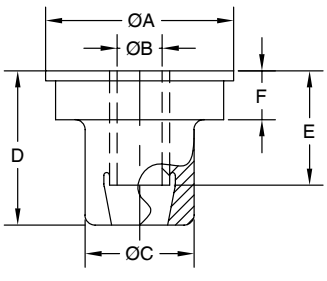


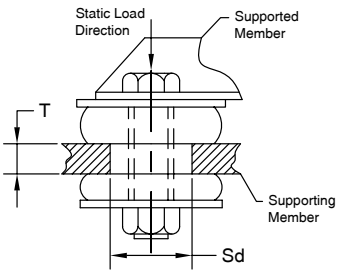
Part No.	A	B	C	D	E	F	T	Sd	Rubber	Duro	Axial Load		Deflection		Axial Spring Rate	
											Lbs	N	in	mm	lbs/in	N/mm
CB112010	27.7	10.2	20.6	24.4	14.22	5.6	6.8	19.1	Natural	50	100	445	0.03	0.6	4000	701
K201061	27.7	10.2	20.6	20.8	17.5	4.8	7.9	19.1	Natural	60	100	445	0.02	0.5	5000	876
CB11203	27.7	10.2	20.6	25.9	15.7	5.6	7.9	19.1	Natural	60	125	556	0.03	0.6	5000	876
CB11212	44.5	13.1	31.5	31.8	25.4	10.4	9.7	28.4	Natural	50	250	1112	0.04	1.0	6250	1095
CB11214	44.5	13.1	31.5	31.8	25.4	10.4	9.7	28.4	Natural	60	450	2002	0.04	1.0	11250	1971
CB112211	50.8	13.5	34.3	31.8	23.8	13.5	6.4	31.8	Natural	40	250	1112	0.06	1.5	4310	755
CB11222	50.8	13.5	34.3	41.1	33.3	13.5	15.8	31.8	Natural	45	350	1557	0.06	1.5	5833	1022
CB11224	50.8	13.5	34.3	41.1	33.3	13.5	15.8	31.8	Natural	60	600	2670	0.06	1.5	10000	1752
K206071	63	16.0	37.8	30.0	24	15.4	7.9	36.3	Natural	70	780	3471	0.06	1.5	13000	2277
CB11238	63.5	16.5	41.2	50.8	42.9	15.7	19.1	38.1	Neoprene	55	500	2225	0.05	1.3	10000	1752
CB11235	63.5	16.5	41.2	50.8	42.9	15.7	19.1	38.1	Natural	65	1000	4450	0.06	1.5	16667	2920
CB11242	75.7	16.5	50.3	56.4	50.8	20.6	23.6	46.0	Natural	45	750	3337	0.09	2.2	8824	1546
CB112413	75.7	16.5	50.3	50.8	46.2	20.6	19.1	46.0	Neoprene	60	1250	5562	0.09	2.2	14706	2576
CB11245	75.7	16.5	50.3	56.4	50.8	20.6	23.6	46.0	Natural	70	1400	6230	0.07	1.8	20000	3504
K209061	76.2	16.2	50.5	56.6	50.8	20.9	23.9	48.5	Natural	60	540	2403	0.08	2.0	6700	1174
CB11252	95	20.4	56.6	63.0	50.8	25.4	19.1	50.8	Natural	50	1400	6230	0.13	3.3	10769	1887
CB11254	95	20.4	56.6	63.0	50.8	25.4	19.1	50.8	Natural	60	2100	9345	0.12	3.0	17500	3066
CB112512	95	19.6	56.6	63.0	50.8	25.4	19.1	50.8	Natural	70	2400	10680	0.15	3.8	16000	2803
J86351	114.3	25.9	75.7	101.1	88.9	32.3	44.5	69.9	Natural	50	1900	8455	0.14	3.4	14074	2466

Centre Bonded Mounts

LORD



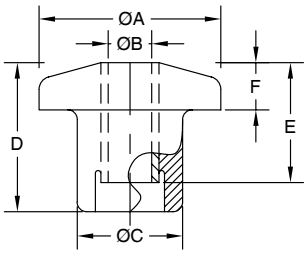


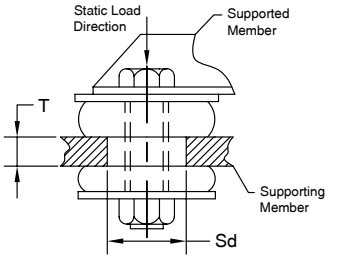


Part No.	A	B	C	D	E	F	T	Sd	Rubber	Duro	Axial Load		Deflection		Axial Spring rate	
											Lbs	N	in	mm	lbs/in	N/mm
CB11041	71.4	16.3	39.1	59.7	42.9	22.4	19.1	38.1	Natural	55	650	2892	0.06	1.5	10833	1898
CB11051	78.5	16.4	41.3	65.3	46	22.4	19.1	38.1	Natural	60	1050	4672	0.06	1.5	17500	3066

Centre Bonded Mounts

LORD

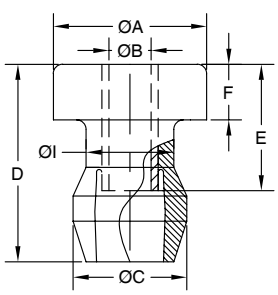


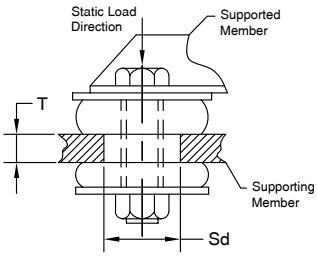


Part No.	A	B	C	D	E	F	T	Sd	Rubber	Duro	Axial Load		Deflection		Axial Spring rate	
											Lbs	N	in	mm	lbs/in	N/mm
J625622	50.8	16.4	34.3	40.4	35.1	13.5	15.8	31.8	Natural	50	350	1557	0.06	1.4	6364	1115
J621036	75.8	16.5	50.4	N/A	39.62	N/A	12.7	46.0	Natural	n/a	600	2670	0.09	2.2	7059	1237
J61981	94.7	19.4	56.6	63.5	54	28.7	19.1	50.8	Natural	50	900	4005	0.10	2.5	9000	1577
J61982	94.7	19.4	56.6	N/A	54	28.7	19.1	50.8	Natural	60	1325	5896	0.10	2.5	13250	2321
J61983	94.7	19.4	56.6	63.5	54	28.7	19.1	50.8	Natural	65	1900	8455	0.10	2.5	19000	3329

Centre Bonded Mounts

LORD

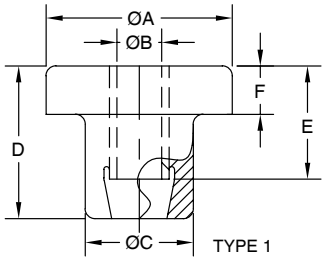


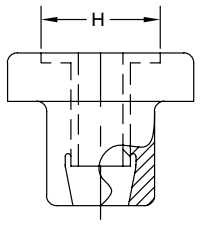


Part No.	A	B	C	D	E	F	I	T	Sd	Rubber	Duro	Axial Load		Deflection		Axial Spring rate	
												Lbs	N	in	mm	lbs/in	N/mm
CB11802	63	16.3	47.8	81.3	53.8	25.7	41.3	19.1	38.1	Natural	60	700	3115	0.16	4.0	4487	786

Centre Bonded Mounts

LORD

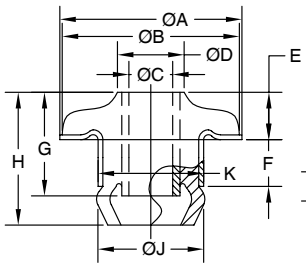


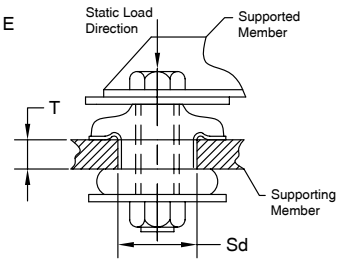


Part No.	Type	A	B	C	D	E	F	H	T	Sd	Rubber	Duro	Axial Load		Deflection		S/R	
													Lbs	N	in	mm	lbs/in	N/mm
CBA12100	1	31.8	10.4	24.1	36.6	27.2	14.0	-	9.7	22.7	Natural	50	100	445	0.09	2.3	1111	195
CBA12200	1	31.8	10.4	24.1	39.6	27.2	14.0	-	9.7	22.7	Natural	60	200	890	0.09	2.3	2222	389
CBA20300	1	50.8	13.5	35.1	50.8	36.8	19.1	-	12.7	31.8	Natural	45	300	1335	0.09	2.3	3333	584
CBA20400	1	50.8	13.5	35.1	50.8	36.8	19.1	-	12.7	31.8	Natural	55	400	1780	0.10	2.5	4000	701
CBA204001	2	50.8	13.5	35.1	50.8	36.8	19.1	35.1	12.7	31.8	Natural	55	400	1780	0.10	2.5	4000	701
CBA24500	1	59.7	16.5	38.1	53.6	38.1	17.5	-	15.7	35.1	Natural	45	500	2225	0.09	2.3	5556	973
CBA246501	2	59.7	16.5	38.1	53.6	38.1	17.5	41.1	15.7	35.1	Natural	55	650	2892	0.10	2.5	6500	1139
CBA28800	1	71.1	20.3	41.1	60.5	41.4	17.5	-	19.1	38.1	Natural	45	800	3560	0.10	2.5	8000	1402
CBA288001	1	71.1	20.3	41.1	60.5	41.4	17.5	41.1	19.1	38.1	Natural	45	800	3560	0.10	2.5	8000	1402
CBA281050	1	71.1	20.3	41.1	60.5	41.4	17.5	-	19.1	38.1	Natural	55	1050	4672	0.10	2.5	10500	1839
CBA2810501	2	71.1	19.6	41.1	60.5	41.4	17.5	41.1	19.1	38.1	Natural	55	1050	4672	0.10	3.0	10500	1839
CBA331200	1	83.8	20.3	41.1	63.5	49.3	22.4	-	22.4	38.1	Natural	45	1200	5340	0.11	2.8	10909	1911
CBA3312001	2	83.8	19.6	41.1	63.5	49.3	22.4	41.1	22.4	38.1	Natural	45	1200	5340	0.11	2.8	10909	1911
CBA331600	1	83.8	20.3	41.1	63.5	49.3	22.4	-	22.4	38.1	Natural	55	1600	7120	0.12	3.0	13333	2336
CBA3316001	2	83.8	19.6	41.1	63.5	49.3	22.4	41.1	22.4	38.1	Natural	55	1600	7120	0.12	3.0	13333	2336

Centre Bonded Mounts

LORD



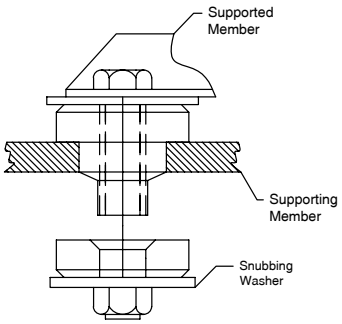


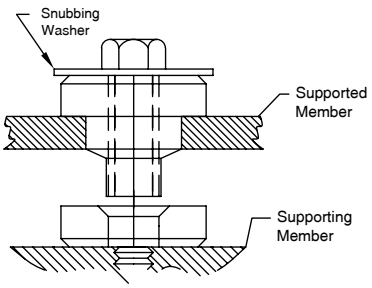
Part No.	A	B	C	D	E	F	G	H	J	K	T	Sd	Duro	Axial Load		Deflection		Axial Spring Rate	
														Lbs	N	in	mm	lbs/in	N/mm
STA302001	79.4	76.2	19.6	31.8	20.6	16.0	39.6	57.2	59.4	59.4	15.7	60.5	40	200	890	0.07	1.8	2800	491
STA303001	79.4	76.2	19.6	31.8	20.6	16.0	39.6	57.2	59.4	59.4	15.7	60.5	55	300	1335	0.08	2.1	3700	648
STA304001	79.4	76.2	19.6	31.8	20.6	16.0	39.6	57.2	59.4	59.4	15.7	60.5	70	400	1780	0.08	2.0	5000	876
STA365001	95.3	92.0	25.9	38.1	26.7	18.3	51.6	71.1	62.7	62.7	19.1	63.5	50	500	2225	0.12	3.0	4300	753
STA366001	95.3	92.0	25.9	38.1	26.7	18.3	51.6	71.1	62.7	62.7	19.1	63.5	60	600	2670	0.10	2.5	6100	1069

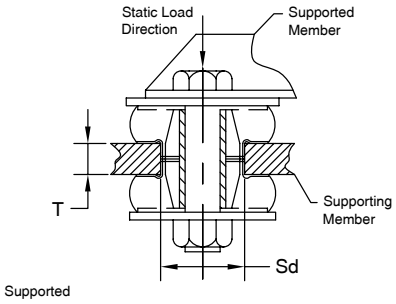
Two Piece Mounts

Two piece mounts are designed for heavy duty applications where there are dynamic forces in multiple directions. Typical applications for two piece mounts include trucks, heavy duty vehicles, compressors, generators and HVAC equipment.

These are two piece mounts installed through a mounting hole in a support structure. The mounts are fail safe when used with snubbing washers. The mounts isolate in all directions including the rebound direction.

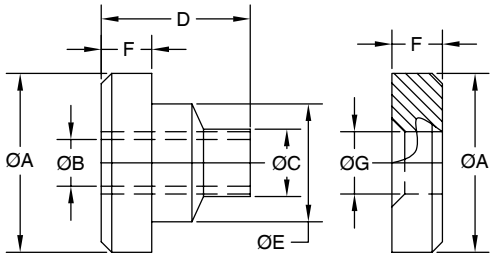






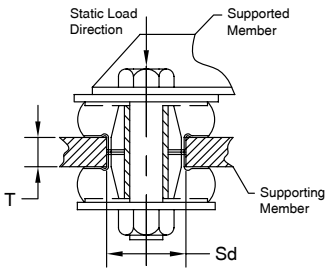
Two Piece Mounts

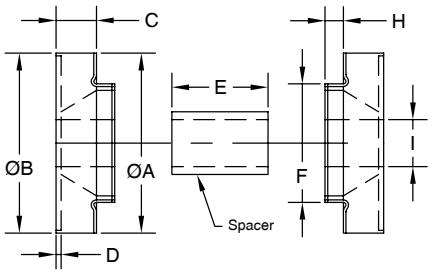
LORD KARMAN RUBBER



Part No.	Code	Dimensions (mm)							Sd			Thick Support Plate			Thin Support Plate		
		A	B	C	D	E	F	G		Rubber	Duro	Thick	Lbs	Lbs/in	Thin	Lbs	Lbs/in
CB22011	R	33.3	10.1	14.7	31.8	20.1	12.3	15.2	19.1	Natural	35	9.5	40	800	9.5	40	800
CB220111	RW	33.3	10.1	14.7	31.8	20.1	12.3	15.2	19.1	Neoprene	35	9.5	40	800	9.5	40	800
CB22012	YW	33.3	10.1	14.7	31.8	20.1	12.3	15.2	19.1	Natural	40	9.5	90	1800	9.5	90	1800
CB220112	YW	33.3	10.1	14.7	31.8	20.1	12.3	15.2	19.1	Neoprene	40	9.5	90	1800	9.5	90	1800
K1902A62	-	33	10.1	14.7	31.8	20.1	12.3	15.2	19	Natural	60	9.5	130	2600	9.5	130	2600
CB220113	GW	33.3	10.1	14.7	31.8	20.1	12.3	15.2	19.1	Neoprene	50	9.5	140	2800	9.5	140	2800
K1902A72	-	33	10.1	14.7	31.8	20.1	12.3	15.2	19	Neoprene	70	9.5	200	4100	9.5	200	4100
K1902A82	-	33	10.1	14.7	31.8	20.1	12.3	15.2	19	Neoprene	80	9.5	N/A	N/A	9.5	N/A	N/A
CB22021	R	47.8	13.5	21.1	49.3	33	19.8	21.2	31.8	Natural	30	14.3	130	1860	12.7	60	1200
CB22023	G	47.8	13.5	21.1	49.3	33	19.8	21.2	31.8	Natural	50	14.3	240	3430	12.7	160	3200
CB220213	GW	47.8	13.5	21.1	49.3	33	19.8	21.2	31.8	Neoprene	50	14.3	240	3430	12.7	160	3200
CB22024	B	47.8	13.5	21.1	49.3	33	19.8	21.2	31.8	Natural	60	14.3	325	4640	12.7	260	5200
CB220214	BW	47.8	13.5	21.1	49.3	33	19.8	21.2	31.8	Neoprene	60	14.3	325	4640	12.7	260	5200
CB22025	P	47.8	13.5	21.1	49.3	33	19.8	21.2	31.8	Natural	70	14.3	450	6430	12.7	380	7600
CB220215	PW	47.8	13.5	21.1	49.3	33	19.8	21.2	31.8	Neoprene	70	14.3	450	6430	12.7	380	7600
CB220312	YW	64.8	16.7	24.6	61.7	40.1	22.9	24.8	31.8	Neoprene	40	22.2	300	3530	19.1	150	3000
CB22033	G	64.8	16.7	24.6	61.7	40.1	22.9	24.8	31.8	Natural	50	22.2	400	4705	19.1	225	4500
CB22034	B	64.8	16.7	24.6	61.7	40.1	22.9	24.8	31.8	Natural	60	22.2	500	5880	19.1	325	6500
CB220314	BW	64.8	16.7	24.6	61.7	40.1	22.9	24.8	31.8	Neoprene	60	22.2	500	5880	19.1	325	6500
CB22035	P	64.8	16.7	24.6	61.7	40.1	22.9	24.8	31.8	Natural	70	22.2	725	8530	19.1	450	9000
CB220315	PW	64.8	16.7	24.6	61.7	40.1	22.9	24.8	31.8	Neoprene	70	22.2	725	8530	19.1	450	9000
CB22042	Y	87.9	24.1	36.8	73	58.4	25.4	37.6	57.2	Natural	40	28.6	550	6110	25.4	300	6000
CB22043	G	87.9	24.1	36.8	73	58.4	25.4	37.6	57.2	Natural	50	28.6	700	7780	25.4	400	8000
CB220413	GW	87.9	24.1	36.8	73	58.4	25.4	37.6	57.2	Neoprene	50	28.6	700	7780	25.4	400	8000
CB22044	B	87.9	24.1	36.8	73	58.4	25.4	37.6	57.2	Natural	60	28.6	850	9445	25.4	500	10000
CB220414	BW	87.9	24.1	36.8	73	58.4	25.4	37.6	57.2	Neoprene	60	28.6	850	9445	25.4	500	10000
CB22045	P	87.9	24.1	36.8	73	58.4	25.4	37.6	57.2	Natural	70	28.6	1000	11110	25.4	600	12000
CB2204134	-	87.9	24.1	36.8	73	58.4	254	37.6	57.2	Natural	75	28.6	1668	18400	25.4	1000	19500
K1905A71	-	88.9	23.8	34.8	73.6	58.4	25.4	34.8	57.2	natural	70	28.6	1220	12200	25.4	500	10300
CB22054	B	124	27	38.1	85.9	64.8	31.8	37.8	63.5	Natural	60	31.8	1800	20000	25.4	900	18000
CB220514	BW	124	27	38.1	85.9	64.8	31.8	37.8	63.5	Neoprene	60	31.8	1800	20000	25.4	900	18000
CB220515	PW	124	27	38.1	85.9	64.8	31.8	37.8	63.5	Neoprene	70	31.8	2100	23330	25.4	1100	22000
CB220520	PPW	124	27	38.1	85.9	64.8	31.8	37.8	63.5	Neoprene	80	31.8	3450	38330	25.4	1800	36000
CB220510	PP	124	27	38.1	85.9	64.8	31.8	37.8	63.5	Natural	80	31.8	3450	38330	25.4	1800	36000

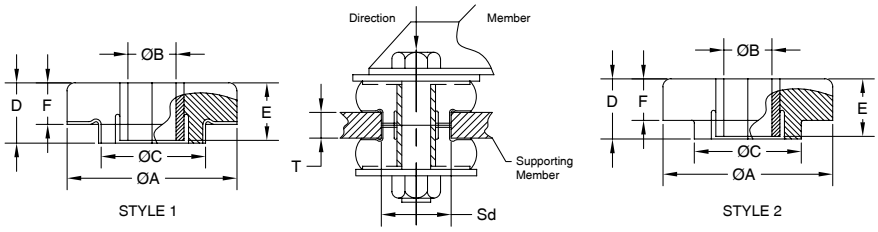
Two Piece Mounts





Part No.	A	B	C	D	E	F	H	I	Sd	T	Axial Load		Deflection		Axial Spring Rate		Radial Spring Rate	
											Lbs	N	in	mm	lbs/in	N/mm	lbs/in	N/mm
SSB2010002	56.4	50.8	20.6	3.2	46	35.0	7.9	12.9	35.6	15.9	185	825	0.04	0.9	4970	890	560	97
SSB2010004	56.4	50.8	20.6	3.2	46	35.0	7.9	12.9	35.6	15.9	300	1335	0.04	1.0	8120	1430	910	160
SSB2610001	66.5	-	20.6	3.2	46	35.0	7.9	12.9	35.6	15.9	400	1780	0.04	0.9	11000	1930	1370	240
SSB2610005	66.5	-	20.6	3.2	46	35.0	7.9	12.9	35.6	15.9	685	3050	0.04	1.0	17900	3215	2230	392
SSB3310002	82.3	81.5	20.6	3.2	46	46.7	7.4	19.4	47.6	15.9	625	2780	0.05	1.1	15200	2650	2220	385
SSB3310004	82.3	81.5	20.6	3.2	46	46.7	7.4	19.4	47.6	15.9	1125	5005	0.03	0.8	37500	6566	2890	675
SSB33100034	82.3	-	27.9	3	46	46.7	7.4	19.8	47.6	15.7	1125	5005	0.03	0.8	37500	6568	26011	1155
SSB3310002M	SPACER		-	-	46	-	-	-	-	-	-	-	-	-	-	-	-	-
K591072	41.4	41.4	17.27	3.2	-	28.4	3.3	15.8	-	-	320	1424	0.1	2.5	3200	561	360	63

Two Piece Mounts



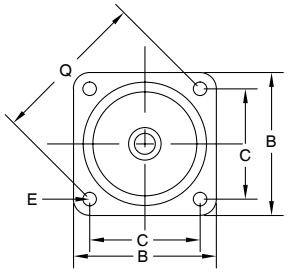
Part No.	Colour	Style	A	B	C	D	E	F	G	H	Sd	R	T	Axial Load		Deflection	
														Lbs	N	in	mm
J800610	-	2	63.5	16.3	41.3	20.6	14.2	15.7	11.9	28.5	41.9	0.76	4.6	440	1960	0.04	0.95
J800666	-	2	63.5	16.3	38.1	30.2	23.9	15.7	12.7	47.8	38.9	1.5	22.4	565	2515	0.04	0.95
J800697	-	2	63.5	16.3	38.1	22.5	16.1	15.7	11.9	32.3	38.1	1.5	8.9	540	2403	0.04	0.95
J162589	-	1	63.06	16.3	41.0	29.1	27.7	20.4	19.3	57.7	41.4	3.0	19.1	650	2892	0.10	2.54
J71651	-	2	75.7	16.3	45.7	32.5	28.4	20.6	16.8	57.2	46	3.0	23.6	790	3512	0.05	1.27
CBB3527	Y&G	1	88.9	23.8	56.9	37.6	36.6	26.4	23.9	73.2	57.5	-	25.4	440	1960	0.05	1.27
CBB3529	G	1	88.9	23.8	56.9	37.6	36.6	26.4	23.9	73.2	57.5	-	25.4	940	4180	0.05	1.27
CBC3527	Y&G	2	88.9	23.8	56.9	40.6	36.6	26.4	23.9	73.2	57.5	3.1	25.4	500	2225	0.05	1.27
CBC3529	G	2	88.9	23.8	56.9	40.6	36.6	26.4	23.9	73.2	57.5	3.1	25.4	875	3890	0.05	1.27
J619810	-	2	95.25	19.1	56.64	39.3	29	28.5	18.8	57.2	57.15	1.5	19.1				
CBB4527	Y&G	1	114.3	27.1	63.1	44.7	42.9	33.5	30.2	85.8	64.3	-	25.4	1000	4448	0.06	1.59
CBB4529	G	1	114.3	27.1	63.1	44.7	42.9	33.5	30.2	85.8	64.3	-	25.4	1565	6960	0.06	1.59
CBC4529	G	2	114.3	27.1	63	49.3	42.9	33.5	30.2	85.8	64.3	3.1	25.4	1565	6950	0.06	1.59

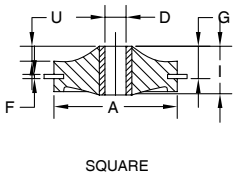
These Units are supplied as singles
Colour - Y&G = Yellow & Green G = Green

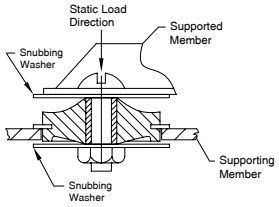
Plateform Mounts/Heavy Duty Plateform Mounts/Multiplane Mounts

Lord Plateform mounts provide effective isolation against vibration. The contour of the flexing element was developed to provide uniform stress distribution. This, plus high strength bonding and the use of specially compounded elastomers, provides maximum service life.
These mounts are available in three types listed above, each featuring square, diamond or holder configurations to suit a variety of design requirements.
Snubbing washers provide an interlocking system of metal parts which act to prevent damage from overload or excessive shock impact.
Typical Applications include: Electronic equipment, Business machines, Medical equipment, Small pumps, Engines and Gen sets.

Plateform Mounts (continued on next page)



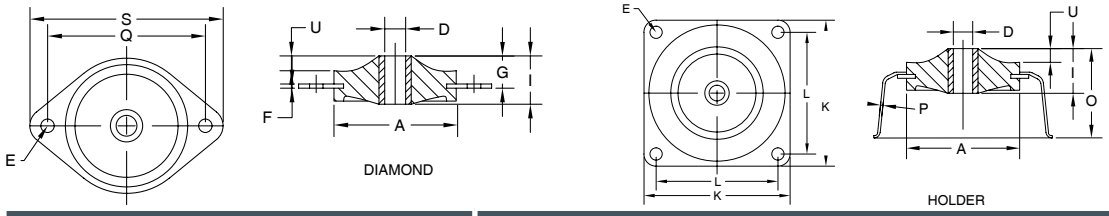




Plateform Mounts (continued)

Series	Part No.			Max Axial Load @ 1/16in Deflection		Axial Spring Rates		Dimensions Under No Load					
	Square	Diamond	Holder	Lbs	N	Lbs/in	N/mm	G	I	O	A	B	C
150	150P12	-	-	12	53	192	33.6	10.2	15.7	28.4	38.1	44.5	34.9
200	200P35	-	200PH35	35	156	560	98.1	15.0	25.4	39.6	50.8	57.2	44.5
200X		200XPD60	-	60	267	960	168.1	35.6	46.0	60.5	50.8	57.2	44.5
	-	-	200XPH90	90	400	1440	252.2	35.6	46.0	60.5	50.8	57.2	44.5

Dimensions Under No Load - Note: Common dimensions - see above table for page for Part No.											
Series	D	E	F	K	L	M	P	Q	R	S	U	Washer Part No.
150	6.5	4.2	1.3	60.5	49.2	5.0	0.8	49.4	22.4	58.9	4.6	J20492
200	9.9	5.0	1.6	76.2	63.5	6.5	0.8	62.9	28.4	75.2	5.6	J20493
200X	9.9	5.0	1.6	76.2	63.5	6.5	0.8	62.9	28.4	75.2	5.6	J20493



Heavy Duty Plateform Mounts

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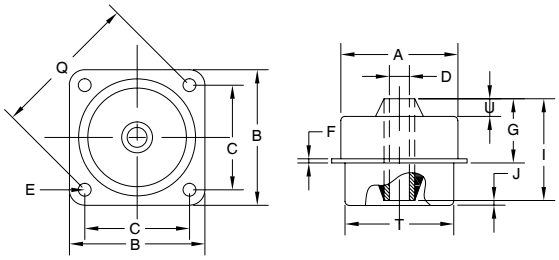
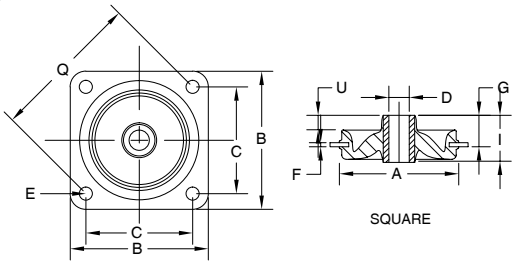


Series	Part No.	Max Axial Load		Axial Spring Rates		Dimensions Under No Load					
	Square	Lbs	N	Lbs/in	N/mm	G	I	O	U	A	B
283	283P120	120	534	480	84.1	22.4	31.8	79.2	12.7	71.1	82.6
	283P220	220	979	880	154.1	28.4	44.5	85.9	12.7	71.1	82.6
	283P250	250	1112	1000	175.1	35.1	50.8	91.9	12.7	71.1	82.6
	283P310	310	1379	1240	217.2	41.1	63.5	98.6	12.7	71.1	82.6
	283P400	400									

Dimensions Under No Load - Note: Common dimensions - see above table for page for Part No.											
Series	C	D	E	F	K	L	M	P	Q	T	Vr	Washer Part No.
283	65.1	13.1	8.3	3.2	165.1	133.4	15.5	5.6	91.9	69.9	57.2	J20494

Multiplane Mounts (continued over page)

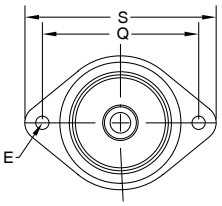
LORD

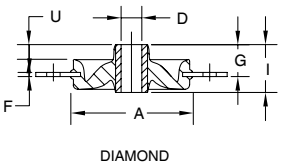


Series	Part No.			Max Axial Load @ 1/16in Deflection		Axial Spring Rates		Dimensions Under No Load					
	Square	Diamond	Holder	Lbs	N	Lbs/in	N/mm	A	B	C	D	E	F
106		106PDL2	106PHL2	2	9	11	1.9	25.4	31.8	25.4	4.2	3.6	0.8
		106PDL4	-	4	18	21	3.7	25.4	31.8	25.4	4.2	3.6	0.8
	-	106PDL6		6	27	32	5.6	25.4	31.8	25.4	4.2	3.6	0.8
156	156P13	-	-	13	58	69	12.1	38.1	44.5	34.9	6.5	4.2	1.3
206	-	206PD45	-	45	200	240	42	50.8	57.2	44.5	9.9	5.0	1.6

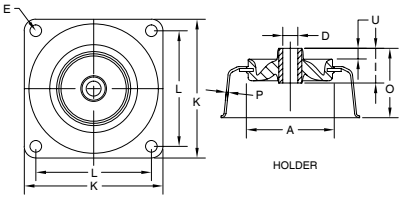
Dimensions Under No Load - Note: Common dimensions - see above table for page for Part No.												
Series	G	I	K	L	M	O	P	Q	R	S	U	Washer Part No.
106	13.5	21.3	42.9	34.9	3.6	40.1	0.6	35.9	15.7	42.2	9.7	J20491
156	15.2	24.6	60.5	49.2	5.0	46.0	0.8	49.4	22.4	58.9	10.7	J20492
206	14.9	25.4	76.2	63.5	6.5	50.3	0.8	62.9	28.4	75.7	8.6	J20493

Multiplane Mounts (continued)





DIAMOND

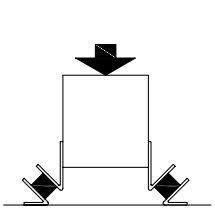


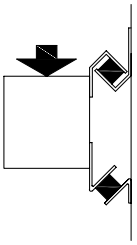
HOLDER

Compression Engine Mounts

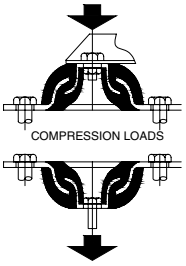
Lord - Industrial Engine Mounts
Karman Rubber - Special Purpose Compression Vibro - Insulators
Phoenix - Megi Mounts

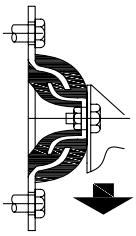
Compression engine mounts are designed for small to large diesel engines in both stationary and mobile applications. Typical applications are engines, generator sets, pump sets, fans/blowers and heating/cooling units. The Safetied or Failsafe design option is used for all mobile applications, creating an interlocking system. Compression engine mounts are available in natural rubber or Neoprene.





Combines compression and shear to receive optimum isolation

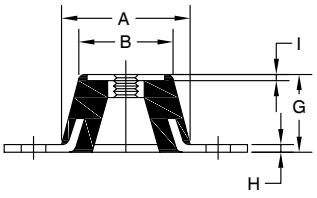


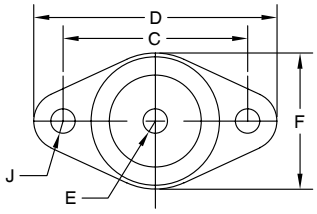


SHEAR LOADS

Care should be taken with the application of Compression Engine mounts to ensure that they are not subjected to tensile loads when mount is a Safetied style mount with a hole centre.

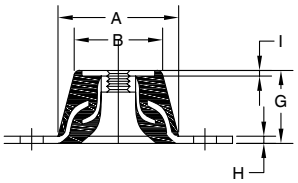
Compression Engine Mounts - Standard

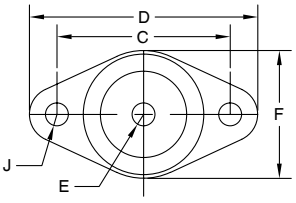




Part No.	A	B	C	D	E	F	G	H	I	J	Rubber	Hardness	Comp Load		Comp S/R	
													Lbs	N	Lbs/in	N/mm
K630CC32	38.5	30.5	60.3	79.5	5/16" x 18	44.45	25.4	4.6	N/A	8.74	Neoprene	30	35	156	290	51
K630CC42	38.5	30.5	60.3	79.5	5/16" x 18	44.45	25.4	4.6	N/A	8.74	Neoprene	40	50	222	450	79
K630CC52	38.5	30.5	60.3	79.5	5/16" x 18	44.45	25.4	4.6	N/A	8.74	Neoprene	50	80	356	650	114
K630CC62	38.5	30.5	60.3	79.5	5/16" x 18	44.45	25.4	4.6	N/A	8.74	Neoprene	60	110	489	900	158
P1D	-	32	60	80	M8 x 1.25	45	28	5	N/A	8.5	Neoprene	60	132	588	690	117
P110B	48	-	60	76	7/6" - 20	48	22	3	-	8.7	Neoprene	50	121	540	880	154
K630M872	38.5	30.5	60.3	79.5	M8 x 1.25	44.45	25.4	4.6	N/A	8.74	Neoprene	70	160	712	1300	228
K600RB42	55.4	46.5	76.2	95.3	1/2" x 20	57.2	28.4	3	3	8.7	Neoprene	40	130	578	1100	193
P2B	-	45	76	98	M10 x 1.5	60	32	6	-	8.5	Neoprene	50	220	980	935	164
K600RB51	55.4	46.5	76.2	95.3	1/2" x 20	57.2	28.4	3	3	8.7	Natural	50	250	1112	2100	368
P114C	60	-	76	92	1/2" x 20	60	29	3	-	8.7	Neoprene	60	290	1275	2095	365
K600RB62	55.4	46.5	76.2	95.3	1/2" x 20	57.2	28.4	3	3	8.7	Neoprene	60	350	1557	2900	508
K600RB72	55.4	46.5	76.2	95.3	1/2" x 20	57.2	28.4	3	3	8.7	Neoprene	70	480	2136	4000	700
J2092226	65	50	88.9	108	10.3 Hole	65	50	3	3	8.5	Neoprene	70	300	1334	3000	550
P3C	-	64	104	140	M12	85	44	6	-	14	Neoprene	60	530	2355	2245	393

Compression Engine Mounts - Fail Safe (continued over page)



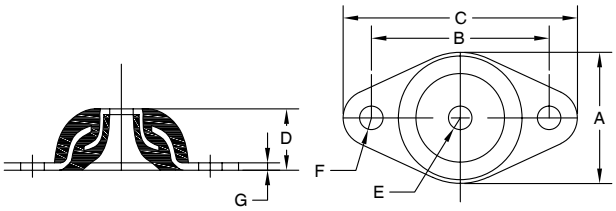


Part No.	A	B	C	D	E Thread	F	G	H	I	J	Rubber	Hardness	Comp Load		Comp S/R	
													Lbs	N	Lbs/in	N/mm
K6350M832	38.5	30.5	60.325	79.5	M8 x 1.25	44.45	25.4	4.6	1.8	8.74	Neoprene	30	85	378	1400	245
K6350M842	38.5	30.5	60.325	79.5	M8 x 1.25	44.45	25.4	4.6	1.8	8.74	Neoprene	40	160	712	2600	455
K6350M852	38.5	30.5	60.325	79.5	M8 x 1.25	44.45	25.4	4.6	1.8	8.74	Neoprene	50	250	1112	3300	578
K6350M862	38.5	30.5	60.325	79.5	M8 x 1.25	44.45	25.4	4.6	1.8	8.74	Neoprene	60	340	1513	4600	806

Compression Engine Mounts - Fail Safe (continued)

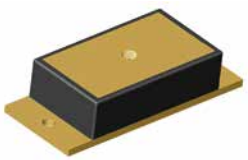
Part No.	A	B	C	D	E Thread	F	G	H	I	J	Rubber	Hardness	Comp Load		Comp S/R	
													Lbs	N	Lbs/in	N/mm
K690RB52	55.4	45	76.2	95.3	3/8" x 16	57.7	28.4	3	N/A	8.7	Neoprene	50	470	2091	4700	823
K690RB72	55.4	45	76.2	95.3	3/8" x 16	57.7	28.4	3	N/A	8.7	Neoprene	70	730	3248	7300	1279
K6950B32	55.4	45	76.2	95.3	3/8" x 16	57.7	28.4	3	1.7	8.7	Neoprene	30	210	934	2100	368
K6950C32	55.4	45	76.2	95.3	5/16" x 18	57.7	28.4	3	1.7	8.7	Neoprene	30	210	934	2100	368
K6950M832	55.4	45	76.2	95.3	M8 x 1.25	57.7	28.4	3	1.7	8.7	Neoprene	30	210	934	2100	368
K6950M842	55.4	45	76.2	95.3	M8 x 1.25	57.7	28.4	3	1.7	8.7	Neoprene	40	370	1646	3700	648
K6950M852	55.4	45	76.2	95.3	M8 x 1.25	57.7	28.4	3	1.7	8.7	Neoprene	50	520	2314	5200	911
K6950M862	55.4	45	76.2	95.3	M8 x 1.25	57.7	28.4	3	1.7	8.7	Neoprene	60	680	3026	6800	1191

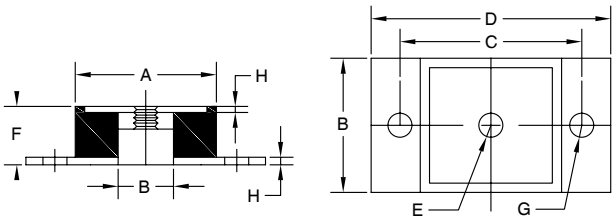
Compression Engine Mounts - Dome



Part No.	A	B	C	D	E	F	G	Rubber	Hardness	Comp Load		Comp Spring Rate	
										Lbs	N	Lbs/in	N/mm
K610P32	82.6	104.6	136.6	42.2	1/2"	13.5	3	Neoprene	30	N/A	N/A	N/A	N/A
K610P42	82.6	104.6	136.6	42.2	1/2"	13.5	3	Neoprene	40	375	1669	3000	526
K610UT52	82.6	104.6	136.6	42.2	1/2"	13.5	3	Neoprene	50	800	3560	6400	1121
K610P62	82.6	104.6	136.6	42.2	1/2"	13.5	3	Neoprene	60	925	4116	7400	1296
K610UT72	82.6	104.6	136.6	42.2	1/2"	13.5	3	Neoprene	70	1425	6341	11500	2015
P140C	82	110	141	41	13 Hole	13.5		Neoprene	60	1100	4900	5960	1043
K620S42	100	127	158.8	42.2	5/8"	13.5	3	Neoprene	40	525	2336	4150	727
K620C42	100	127	158.8	42.2	3/4"	13.5	3	Neoprene	40	525	2336	4150	727
K620C52	100	127	158.8	42.2	3/4"	13.5	3	Neoprene	50	1000	4450	8300	1454
K620C62	100	127	158.8	42.2	3/4"	13.5	3	Neoprene	60	1250	5562	10000	1752
K620C72	100	127	158.8	42.2	3/4"	13.5	3	Neoprene	70	1950	8677	15600	2733

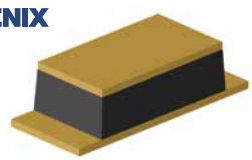
Compression Engine Mounts - Dome

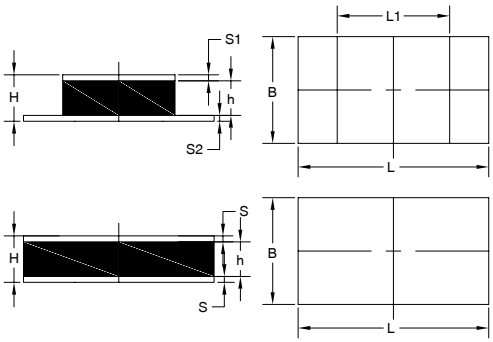




Part No.	A	B	C	D	E Thread	F	G	H	Rubber	Hardness	Comp Load		Comp S/R	
											Lbs	N	Lbs/in	N/mm
K40P52	134.9	76.2	158.8	184.2	1/2" x 13	41.4	11.1	6.35	Neoprene	50	1600	7120	7800	1366
K40P62	134.9	76.2	158.8	184.2	1/2" x 13	41.4	11.1	6.35	Neoprene	60	2100	9345	10500	1839
K40P72	134.9	76.2	158.8	184.2	1/2" x 13	41.4	11.1	6.35	Neoprene	70	3000	13349	15000	2628

Compression Engine Mounts - Megi Bars

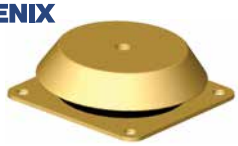


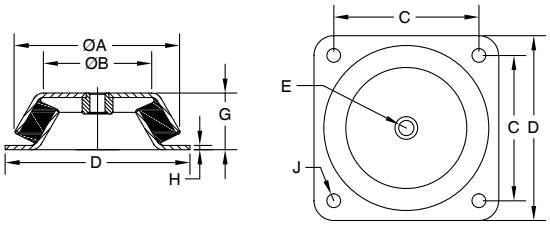


Part No.	Type	B	H	h	S	S1	S2	L	L1	Rubber	Comp Load		Comp Spring Rate		@length
											Lbs	N	Lbs/in	N/mm	
711023	1	50	40	20	-	12	8	200	150	Neoprene	1798	8000	22832	4000	-
781334	2	100	80	50	15	-	-	2000	-	Neoprene	3596	16000	51373	9000	300

Compression Engine Mounts - Mega Machine Mounts

PHOENIX

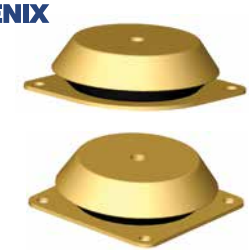


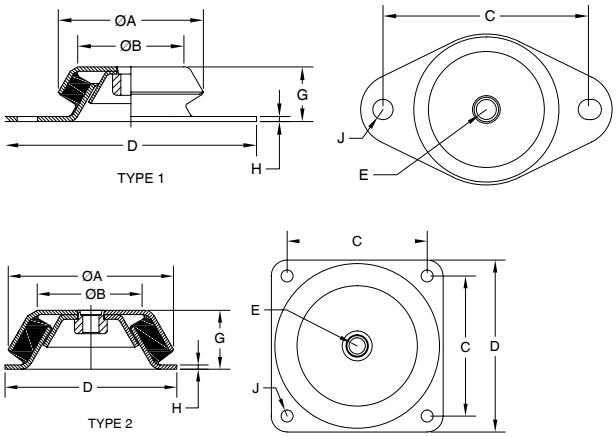


Part No.	Type	A	B	C	D	E Thread	F	G	H	J	Rubber	Hardness	Comp Load		Comp S/R	
													Lbs	N	Lbs/in	N/mm
786011	2	150	110	132	168	M16 x 2	168	51.5	4	12.5	Neoprene	55	1618	7200	11742	2057

Compression Engine Mounts - Mega Machine Mounts Safetied - Fail Safe

PHOENIX



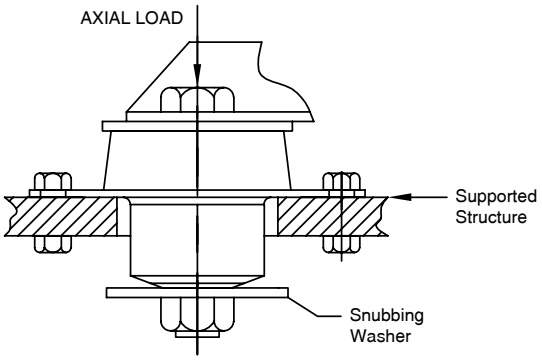


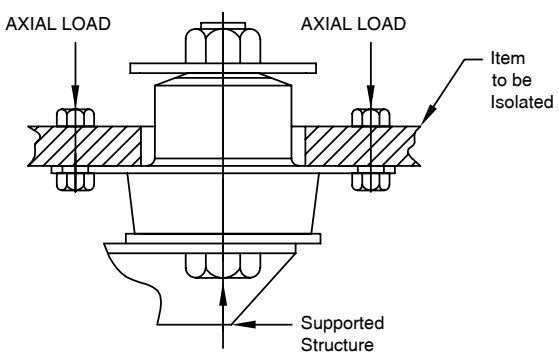
Part No.	Type	A	B	C	D	E Thread	G	H	J	Rubber	Hardness	Comp Load		Comp S/R	
												Lbs	N	Lbs/in	N/mm
786214M	1	78	60.5	110	128	M10 x 1.5	30	2	9	Neoprene	55	427	1900	3099	543
786214H	1	78	60.5	110	128	M10 x 1.5	30	2	9	Neoprene	70	652	2900	4735	830
786232	1	94	-	124	150	M10 x 1.5	35	3.5	10	Neoprene	45	405	1800	2700	475
786232S1	1	94	-	124	150	M10 x 1.5	35	3.5	10	Neoprene	55	607	2700	4060	1000
786213	1	106	88	140	170	M12 x 1.75	39	3	13	Neoprene	55	719	3200	5219	914
786233	1	101	80	144	175	M16 x 2	38	3.5	14	Neoprene	45	562	2500	4077	714
786233S1	1	101	80	144	175	M16 x 2	38	3.5	14	Neoprene	55	1011	4500	7339	1286
786211	2	150	110	132	168	M16 x 2	51.5	4	12.5	Neoprene	55	1596	7100	11579	2029
786210S	2	177	126	150	184	M20 x 2.5	63	4.5	13	Neoprene	45	1955	8700	14189	2486
786210M	2	177	126	150	184	M20 x 2.5	63	4.5	13	Neoprene	55	3326	14800	24137	4229
786210H	2	177	126	150	184	M20 x 2.5	63	4.5	13	Neoprene	65	4719	21000	34249	6000

Flange Mounts

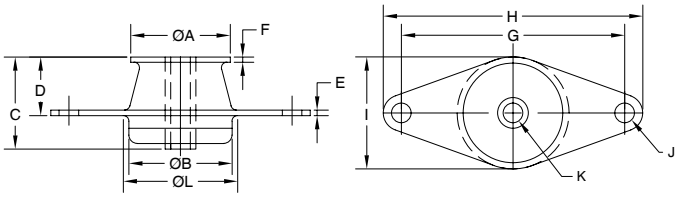
Lord - Safetied Tube Form Mounts
Lord - Center Bonded Mounts
Karman Rubber - Multiple Purpose Flange Mount Vibro - Insulators

Flange Mounts isolate vibration, control shock and reduce noise due to structure borne vibration. Typical applications include; Trucks, Generators, Shipping Containers, Compressors, Lift Trucks, Farm Equipment and Marine Engines.
Flange Mounts are designed for applications where there are dynamic forces in multiple directions. The axial to radial stiffness ratio is close to 1:1.
The mounts are installed through a mounting hole in the support structure of the equipment to be isolated. The mounting is failsafe when used with a snubbing washer.



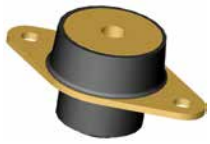


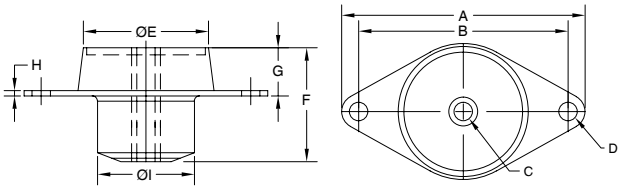
Flange Mounts



Part No.	A	B	C	D	E	F	G	H	I	J	K	L	Duro	Axial Load		Deflection		Axial S/R	
														Lbs	N	in	mm	lbs/in	N/mm
K701052	41.4	41.4	31.75	19.1	2.3	2.3	76.2	95.3	50.1	8.7	8.7	46.2	50	35	156	0.15	3.8	233	41
K701062	41.4	41.4	31.75	19.1	2.3	2.3	76.2	95.3	50.1	8.7	8.7	46.2	60	55	245	0.15	3.8	367	64
K7030041	47.8	51.6	44.45	25.2	3.2	3.2	88.9	114.3	63.5	10.3	11.7	57.2	40	80	356	0.12	3.0	667	117
K703062	47.8	51.6	44.45	25.2	3.2	3.2	88.9	114.3	63.5	10.3	11.7	57.2	60	210	934	0.12	3.0	1750	307
K704061	50.8	50.8	50.8	26.2	3.8	2.8	95.25	120.7	70	10.3	13.5	60.5	60	450	2002	0.13	3.3	3462	606
K707061	90	64	76	35	5	5	127	159	95	13	20	73	60	1260	5600	0.14	3.6	9000	1555

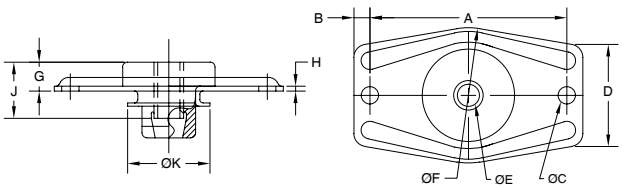
Flange Mounts





Part No.	A	B	C	D	E	F	G	H	I	Sd	T	Axial Load		Deflection		Axial S/R	
												Lbs	N	in	mm	lbs/in	N/mm
J1874823	158.8	127.0	19.8	13.5	85.9	76.2	35.1	4.8	63.6	73	31.8	680	3026	0.10	2.5	6800	1191
J1874830	158.8	127.0	19.8	13.5	85.9	76.2	35.1	4.8	63.6	73	31.8	1000	4448	0.10	2.5	10000	1780
J1878715	190.5	152.4	27.1	16.7	111.3	101.6	38.1	6.4	83.8	95	50.8	1780	7918	0.10	2.5	17800	3167

Flange Mounts



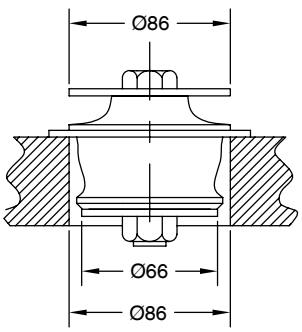
Part No.	A	B	Cmin	Cmax	D	E	F	G	H	I	J	K	Axial Load		Deflection		Axial S/R	
													Lbs	N	in	mm	lbs/in	N/mm
CBA2040050	95.2	12.7	10.3	10.5	57.2	13.3	76.2	21.6	2.5	50.8	36.8	48.8	400	1780	0.12	3.0	3333	584
CBA2450050	108.0	12.7	10.3	10.5	63.5	16.2	88.9	20.8	3.3	59.7	38.1	55.6	500	2225	0.12	3.0	4167	730
CBA2465050	108.0	12.7	10.3	10.5	63.5	16.2	88.9	20.8	3.3	59.7	38.1	55.6	650	2892	0.12	3.0	5417	949

Conical Mounts

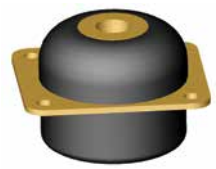
Conical mounts from Lord provide effective vibration isolation and noise attenuation with a simple, robust mount design. Consistent performance, high load bearing capabilities and a choice of radial stiffness characteristics are key features of these mounts. For more demanding vibration and noise reduction requirements, Lord integrates conical mounts with surface-effect technology to form an advanced control solution known as Hystec Systems.

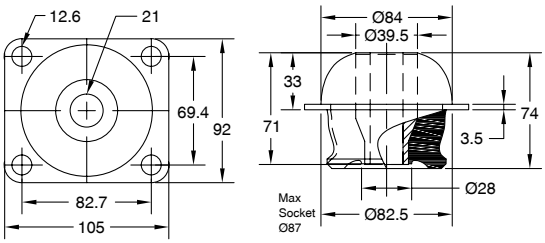
Conical mounts are appropriate for both on-road and off-road vehicles. Applications include cab mounts and engine and transmission mounts for trucks and buses, and construction and agricultural vehicles.

- The mounts provide strong, dependable performance
- Have a typical static deflection of 5mm
- Offer a choice of radial stiffnesses
- Can be snubbed
- Can be safetied with the use of snubbing washers
- Withstand R.O.P.S loads with the addition of support rings
- Are easily installed
- Exhibit long, highly reliable service life



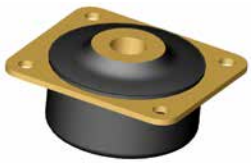
Conical Mounts

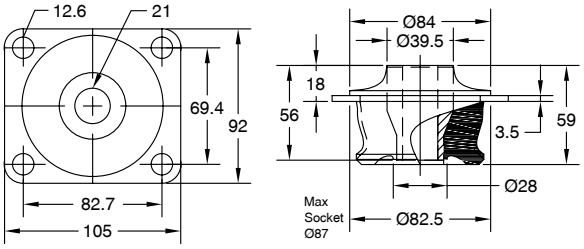




Part No.	Colour	Duro	Static Load		Static Defl'n		Stiffness		Stiffness		Static Stiffness		Static Stiffness		Size	
			kN	lbs	mm	inch	N/mm	lb/in	N/mm	lbs/in	N/mm	lbs/in	N/mm	lbs/in	Metric	English
J211009	White	35	1.67	375	5	0.2	210	1200	215	1230	800	4570	800	4570	M20	3/4"
J211001	Green	40	2.4	540	5	0.2	310	1770	340	1945	1200	6855	1200	6855	M20	3/4"
J211004	Red	45	3.2	720	5	0.2	400	2285	470	2690	1600	9140	1600	9140	M20	3/4"
J211005	Yellow	50	3.9	880	5	0.2	500	2860	600	3430	2000	11420	200	11420	M20	3/4"
J2110010	Blue	55	4.6	1040	5	0.2	590	3370	725	4140	2400	13700	2400	13700	M20	3/4"
J2110011	Orange	60	5.3	1200	5	0.2	690	3950	850	4855	2800	16000	2800	16000	M20	3/4"

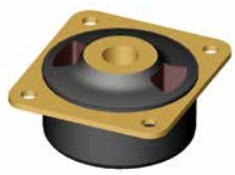
Conical Mounts

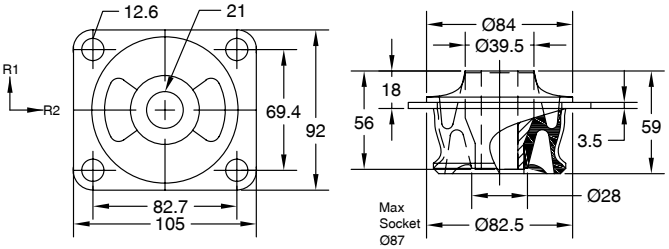




Part No.	Colour	Duro	Rated Axial Static Load		Rated Axial Static Defl'n		Axial Static Stiffness		Axial Dyn Stiffness		Radial R1 Static Stiffness		Radial R2 Static Stiffness		Bolt Size	
			kN	lbs	mm	inch	N/mm	lb/in	N/mm	lbs/in	N/mm	lbs/in	N/mm	lbs/in	Metric	English
J211021	Green	40	1.3	300	5	0.2	190	1085	210	1200	960	5485	960	5485	M20	3/4"

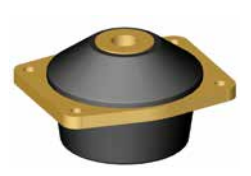
Conical Mounts - J21103

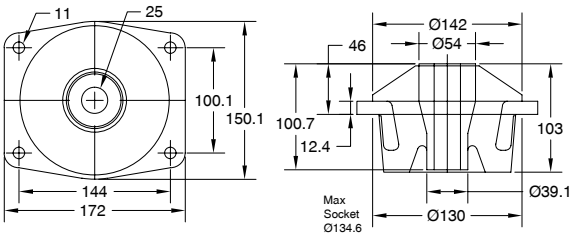




Part No.	Colour	Duro	Rated Axial Static Load		Rated Axial Static Defl'n		Axial Static Stiffness		Axial Dyn Stiffness		Radial R1 Static Stiffness		Radial R2 Static Stiffness		Bolt Size	
			kN	lbs	mm	inch	N/mm	lb/in	N/mm	lbs/in	N/mm	lbs/in	N/mm	lbs/in	Metric	English
J211031	Gr/Blue	40	1.1	250	5	0.2	150	860	160	915	850	4855	400	2285	M20	3/4"

Conical Mounts - J21105



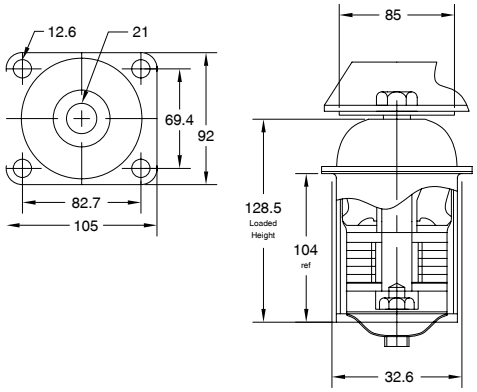


Part No.	Colour	Duro	Rated Axial Static Load		Rated Axial Static Defl'n		Axial Static Stiffness		Axial Dyn Stiffness		Radial R1 Static Stiffness		Radial R2 Static Stiffness		Bolt Size	
			kN	lbs	mm	inch	N/mm	lb/in	N/mm	lbs/in	N/mm	lbs/in	N/mm	lbs/in	Metric	English
J211593	Blue	46	5.34	1200	7.6	0.3	668	3812	823	4700	2270	12970	2270	12970	M24	7/8"
J211594	Yellow	58	8.9	2000	7.6	0.3	983	5613	2030	11600	3877	22140	3877	22140	M24	7/8"
J211599	Brown	65	11.39	2560	7.6	0.3	1195	6820	3546	20250	4956	28300	4956	28300	M24	7/8"

Hystec Conical Mounts

LORD

Hystec mounts combine surface-effect damping principles with traditional rubber-bonded-to-metal technology. The result is a soft mount capable of providing effective damping over large deflections and a wide range of frequencies. As a cab and engine mounts in on- or off- highway vehicles, hystec mounts meet the most demanding requirements for vibration isolation and noise attenuation while controlling motion.



Part No.	Colour	Duro	Rated Axial Static Load		Rated Axial Static Defl'n		Axial Static Stiffness		Radial Static Stiffness		Bolt Size		Colour	Using Conical Mount
			kN	lbs	mm	inch	N/mm	lb/in	N/mm	lbs/in	Metric	English		
SE11001	Green	40	3.1	700	7.5	0.3	310	1770	1200	6850	M20	3/4"	Green	J211001

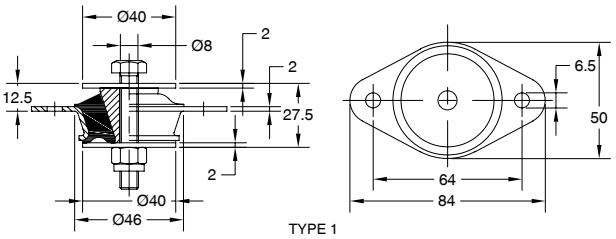
Other Combinations Possible With Different Conical Mounts

The system features a surface-effect damper pack containing an elastomer that comes in contact with a sliding surface, producing both hysteretic and friction damping. The on-site adjustable damping and decoupling capabilities of the mounts offer unique advantages in terms of the systems optimisation. Adding or removing damping disks within a mount's surface-effect pack changes the contact area and amount of damping for adjustment of prototype mounts.

Part No.	Colour	Duro	Rated Axial Static Load		Rated Axial Static Defl'n		Axial Static Stiffness		Radial Static Stiffness		Bolt Size		Colour	Using Conical Mount
			kN	lbs	mm	inch	N/mm	lb/in	N/mm	lbs/in	Metric	English		
SE11007	Orange	60	6.9	1570	7.5	0.3	690	3950	2800	16000	M20	3/4"	Orange	J2110011
SE11003	Red	45	4.1	920	7.5	0.3	400	2285	1600	9140	M20	3/4"	Red	J211004
SE11004	Yellow	50	5.1	1140	7.5	0.3	500	2860	2000	11420	M20	3/4"	Yellow	J211005
SE11006	Blue	55	6	1340	7.5	0.3	590	3370	2400	13700	M20	3/4"	Blue	J2110010

Conical Mega Cones

PHOENIX



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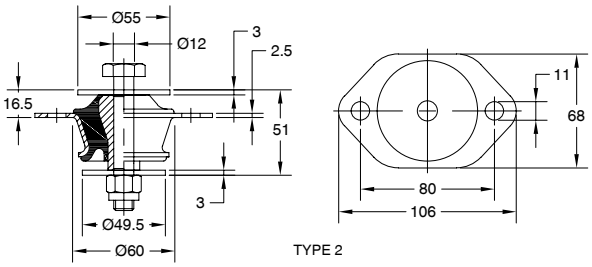
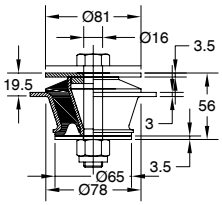


TYPE 2

Part No.	Type	Duro	Rated Axial Static Load		Rated Axial Static Defl'n		Axial Static Stiffness		Radial Static Load		Radial R1 Static Stiffness		Radial R2 Static Stiffness		Bolt Size	
			kN	lbs	mm	inch	N/mm	lb/in	kN	lbs	N/mm	lbs/in	N/mm	lbs/in	Metric	English
786021M60	1	60	0.7	157	3.5	0.138	200	1142	0.5	112	500	2854	500	2854	M8	5/16"
786021H	1	70	1.1	250	3.5	0.14	315	1785	0.7	157	700	4000	700	4000	M8	5/16"
786025	2	60	1.6	360	3.5	0.138	457	2609	1.1	247	1100	6279	1100	6279	M12	1/2"

Conical Mega Cones

PHOENIX



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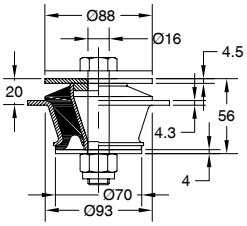

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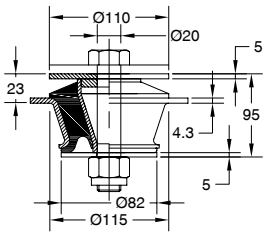

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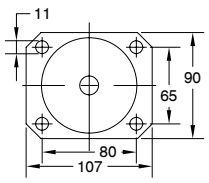
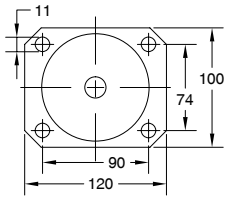
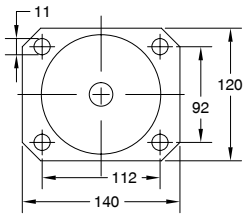


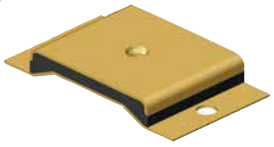


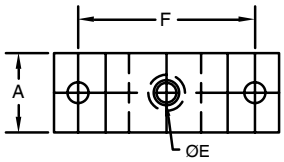


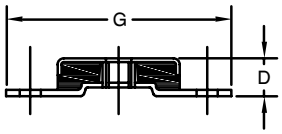
Part No.	Type	Duro	Rated Axial Static Load		Rated Axial Static Defl'n		Axial Static Stiffness		Radial Static Load		Radial R1 Static Stiffness		Radial R2 Static Stiffness		Bolt Size	
			kN	lbs	mm	inch	N/mm	lb/in	kN	lbs	N/mm	lbs/in	N/mm	lbs/in	Metric	English
786026S1S	1	45	1.50	337	3.5	0.14	429	2446	2.1	472	1050	5994	1050	5994	M16	5/8"
786026S1M	1	60	2.50	562	3.5	0.14	714	4077	3.0	674	1500	8562	1500	8562	M16	5/8"
786027S5	2	60	6.20	1393	3.5	0.14	1771	10111	5.0	1124	2500	14270	2500	14270	M16	5/8"
786030S	3	45	4.5	1011	4	0.16	1125	6300	7.0	1575	3500	20000	3500	20000	M20	3/4"
786030M	3	55	10.0	2250	4	0.16	2500	14000	11.0	2475	5500	31500	5500	31500	M20	3/4"
786030H	3	70	14.0	3146	4	0.16	3500	19500	16.0	3600	8000	45700	8000	45700	M20	3/4"
786030MAR																

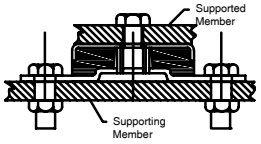
Industrial Shock Mounts

LORD







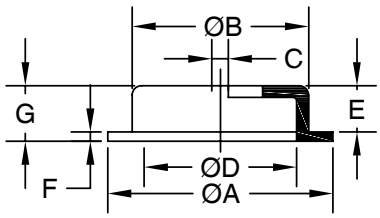


Part No.	Figure	Load		Deflection		A		B	
		lbs	N	in	mm	in	mm	in	mm
J28671	1	1500-3000	6672-13345	0.03	0.762	4	101.6	-	-

Part No.	C		D		E	F		G	
	in	mm	in	mm		in	mm	in	mm

Industrial Shock Mounts

LORD



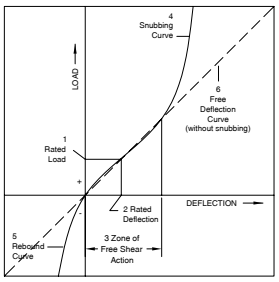
Part No.	A	B	C	D	E	F	G
	mm	mm	mm	mm	mm	mm	mm
J66914	80	70	3/8"UNF	44.3	17.2	7.8	25

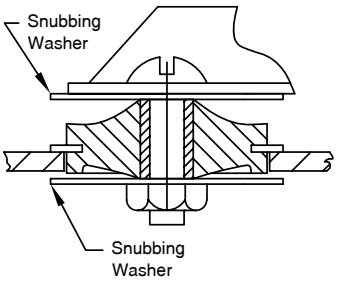
Snubbing Washers

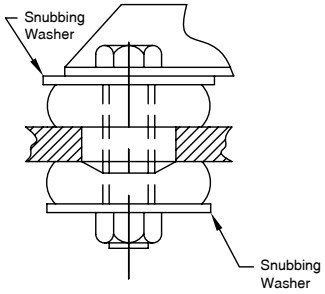
Snubbing washers provide an interlocking system of metal parts which act to prevent damage from overload or excessive shock impact.

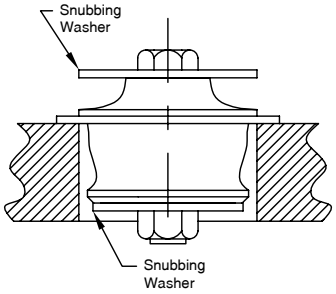
Load Deflection Characteristics

1. Each mounting has definite load rating. Correct loading is essential to allow movement in free shear between snubbing washers.
2. Rated deflection is a predetermined value in mounting design. When a mount is supporting to its rated load, the resulting deflection positions the mount midway of the zone of free shear action.
3. Zone of free shear action is the distance through which mounting may oscillate without restriction in free shear between snubbing washers.
4. Snubbing curve illustrates rapid increase in spring rate of mounting which occurs when upper snubbing washer contacts rubber under overload or shock. Increase in spring rate limits deflection and arrests excessive movements.
5. Rebound curve illustrates increase in spring rate when the bottom snubbing washer contacts rubber under overload or shock. This increase in spring rate restricts movement in the same manner but in the opposite direction as described for the snubbing curve above.
6. Free deflection curve defines action which takes place when a shock load is imposed on a non-snubbing mounting. Deflections under shock in both directions would be very large and in proportion to load imposed.

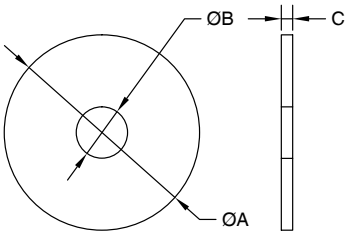








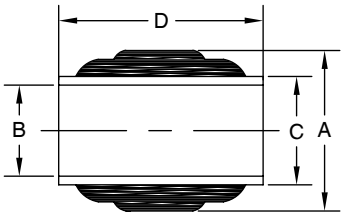
Snubbing Washers



Part No.		OD (A)	ID (B)	Thickness (C)			Used With			
		mm	mm	mm	English	Metric	Mount Series (T = Tail Washer, H = Head Washer)			
J20491		22.4	4.3	0.8	1/8.	M4	100	106		
J20492		35.1	6.6	1.3	1/4.	M6	150	156		
J20493		47.8	9.9	1.5	3/8.	M10	200	200X	206	J20922
J204989		39.6	9.9	2.3	3/8.	M10	CB2201			
J204958	x	38.1	10.7	3	3/8.	M10	CBA12H	CBA12T	CBA24-50	
J204961	x	28.4	10.2-	3.2	3/8.	M10	CB1120T			
J204962	x	31.8	10.2	3.2	3/8.	M10	CB1120H			
J204963	x	38.1	13.2	3.2	1/2.	M12	CB1121T			
J204964	x	50.8	13.2	3.2	1/2.	M12	CB1121H	CB1122T		
J204965		57.2	13.2	3.2	1/2.	M12	CB1122H	CBA20T		
J204966		57.2	16.3	3.2	5/8.	M16	CB1123T	J20595		
J204952		60.5	13.5	3.2	1/2.	M12	CBA20H	CBA12-50		
J204967	x	63.5	16.3	3.2	5/8.	M16	CB1124T	CBA24T		
J204953		69.9	16.3	3.2	5/8.	M16	CBA24H	CBA20-50		
J20494		73.2	13.2	3.2	1/2.	M12	283			
J204968		73.2	16.8	3.2	5/8.	M16	CB1123H	CB1180H	J8006	
J204990	x	54.1	13.5	3.4	1/2.	M12	CB2202			
J204972	x	101.6	24.1	3.4	7/8.	M20	CBB35	CBC35		
J204973		127	27.2	3.4	1	M24	CBB45	CBC45		
J2049100	x	63.5	19.3	4.8	3/4.	M18	J18748			
J204991		71.4	16.7	4.8	5/8.	M16	CB2203			
J204969		76.2	20.3	4.8	3/4.	M18	CB1125T	CBA28T	CBA33T	J211001
J204954		82.6	20.3	4.8	3/4.	M18	CBA28H	STA30		
J204970		88.9	16.3	4.8	5/8.	M16	CB1124H	CB1180T		
J204955	x	98.6	20.3	4.8	3/4.	M18	CBA33H			
J204976		100.8	25.8	4.8	1	M24	STA36			
J204971		108	20.3	4.8	3/4.	M18	CB1125H			
J2049112		120.6	20.8	4.8	3/4.	M18	J21159T			
J2049101	x	82.6	25.7	6.4	1	M24	J18787			
J204992		98.6	23.8	6.4	7/8.	M20	CB2204			
J2049111		146	25.8	8	1	M24	J21159H			
J204993		133.4	27	9.5	1	M24	CB2205			
J2049120	x	66	23	10	7/8.	M20	J21100T			

Centre Bonded Bushings

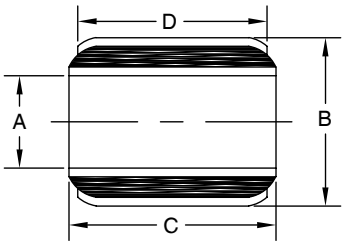
LORD KARMAN RUBBER



Part No.	A	B	C	D	Hole	Rubber	Hardness	Radial Load		Radial Spring Rate	
								Lbs	N	Lbs/in	N/mm
K22061	34.8	16.1	22.1	41.2	Through	Natural	60	520	2315	21000	3679
J64241	36.8	15.9	25.4	38.9	Through	Neoprene	60	780	3470	39200	6863
J538532	44.5	12.8	25.4	66.5	Through	Natural	60	1000	4448	26200	4587
J5971	38.2	99./	63.5	25.4	Through	Natural	3200	14234	102000	17860	
J63101	46.7	25.5	31.8	42.9	Through	Neoprene	50	925	4115	27500	4815
J71212	49.3	25.5	30.2	75.9	Through	Natural	70	1950	8674	105000	18385
K222041	60.7	33.55	38.1	56.9	Through	Natural	40	480	2051	12000	2101
K222071	60.7	33.5	38.1	56.9	Through	Natural	70	1040	4552	26000	4630

Centre Bonded Bushings

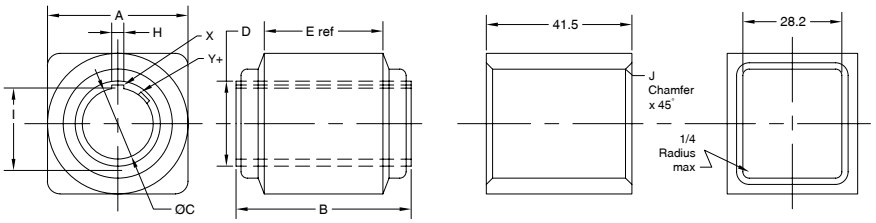
LORD PHOENIX



Part No.	A	B	C	D	Hole	Rubber	Radial Load		Radial Spring Rate	
							Lbs	N	Lbs/in	N/mm
J383013	13.1	31.8	25.4	22.35	Through	Neoprene	300	1334	14000	2451
735022S12	20	45	25	18	Through	Neoprene	773	3430	22448	3924
735081	26	40	45	40	Through	Natural	1104	4910	84025	14715
J67292	28.7	50.9	108	101.6	Through	Neoprene	6000	26689	150000	26265
735049M (Flanged)	For specifications please refer to one of our sales offices									

Centre Bonded Bushings

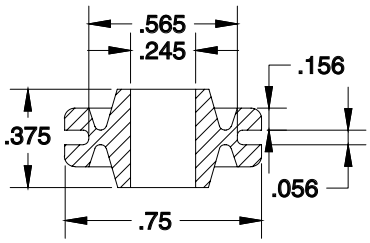
LORD



Part No.	Maximum Radial Static Load Rating		Radial Spring Rate (K Rad)		Static Torque @ 15 Degrees	Key Location		Part Dimensions A		B		C	
	Lbs	N	lbs/in	N/mm	Ins-in	N-mm		in	mm	in	mm	in	mm
J820335	1700	7562	1000000	17510	2400	3252	Y	2.40	61.0	3.25	82.6	1.38	35.0
J983211	5000	22241	160000	28016	5200	7046	X	3.42	86.9	4.00	101.6	2.009	51
J983220	N/A	N/A	N/A	N/A	N/A	N/A	X	3.42	86.9	4.00	101.6	2.00	51.9

Part No.	D		E		H		I	
	in	mm	in	mm	in	mm	in	mm
J820335	1.62	41.1	2.15	54.6	0.191	4.9	1.44	36.7
J983211	2.53	64.3	2.50	63.5	0.253	6.4	2.128	54.1
J983220	2.53	64.3	2.50	63.5	0.253	6.4	2.13	54.1

Centre Bonded Bushings



Part No.	Figure	Elastomer	Maximum Axial Load		Deflection		Axial Spring Rate		Radial Spring Rate		Support Member Thickness		Support Member Diameter	
			lbs	N	in	mm	lbs/in	N/mm	lbs/in	N/mm	in	mm	in	mm
J311251	1a	Natural	1	4	0.045	1.2	22	3.9	44	7.7	0.062	1.6	0.555	14.1

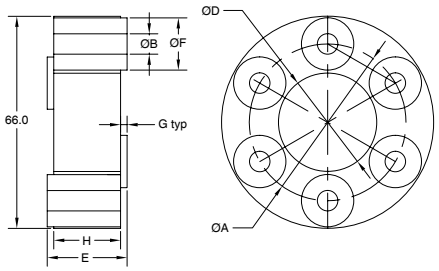
Dynaflex LCR Type Couplings

Lord - Dynaflex LCR Type Couplings are useful for a wide range of rotary drive applications, from lawn and garden tractors to large construction equipment, including U-joint replacement.

Farm Tractor	Trouble free hydraulic pump drives
Lawn & Garden Tractors	Maintenance free main drive couplings
Dynamometer	Protects driveline from failure
Snowmobile	Reliable main drive coupling
Vibratory Rollers	Absorbs high torsional shock load in eccentric drive units
On & Off-Highway Vehicles	Isolates and protects auxiliary driveline systems
Industrial Machinery	Provides inexpensive coupling for maximum angular misalignment and vibration control
Agriculture Equipment	Replaces conventional universal joints and provides torsional flexibility

Materials - Natural rubber is used because of its excellent physical properties such as tensile strength, tear and abrasion resistance, fatigue resistance, and low temperature characteristics. The elastomer to metal bonds are stronger than the elastomers. The metal parts for these couplings are aluminium alloy inserts.
Misalignment - Misalignment capability applies for speed to 3500 rpm. Operation up to 7000 rpm is permitted with reduced misalignment. For speeds above 4000 rpm, shielding is required and/or balancing of assembly may be required.

Dynaflex LCR Type Couplings



Part No.	Torque Rating		Static Torsional Rate	
	Lbs-in	N-m	lbs-in/ rad	N-m/ rad
LCR300600046A	1440	163	18000	2034
LCR400800060A	1900	215	24000	2712
LCR400800115A	3600	407	46000	5197
LCR400800135A	4200	475	63000	7118

Part No.	Axial Rate		Radial Rate		Permissible Misalignments Angular	Axial		Parallel	
	lbs/in	N/mm	lbs/in	N/mm	deg	in	mm	in	mm
LCR300600046A	2300	404	4500	790	2	1/16	1.59	1/32	0.79
LCR400800060A	1450	254	3000	525	2	1/16	1.59	1/64	0.40
LCR400800115A	3600	630	6400	1121	2	1/16	1.59	1/64	0.40
LCR400800135A	4200	736	9000	1576	1.5	1/16	1.59	1/64	0.40

Part No.	No of inserts	A BC Dia	B Hole Dia	C Coupling OD	D Coupling ID	E Len	H Len
		mm	mm	mm	mm	mm	mm
LCR300600046A	6	76.20	9.91	103.12	47.75	38.86	32.5
LCR400800060A	8	101.60	12.95	132.33	69.60	38.10	31.75
LCR400800115A	8	101.60	12.95	132.33	69.60	38.10	31.75
LCR400800135A	8	101.60	12.95	132.33	69.60	50.80	44.45

Dynaflex LCD Type Couplings

The Dynaflex coupling line has been developed to overcome numerous torsional problems associated with vehicle and industrial driveline systems.
These couplings increase equipment life by protecting against torsional vibration, shock and misalignment. These couplings are fitted as original equipment to many brands of vehicles such as Case, Caterpillar, Euclid Hitachi, Ingersoll Rand, Komatsu and Terex.

Features and Benefits:
- Capacity of 75 to 1000hp at 2000rpm
- Torsional Vibration isolation and protects against torsional shock loads.
- Misalignment capacity.
- Noise attenuation.
- Fits many standard SAE flywheels from PCD of 240mm to 480mm
- Safe for occasional severe overloads.

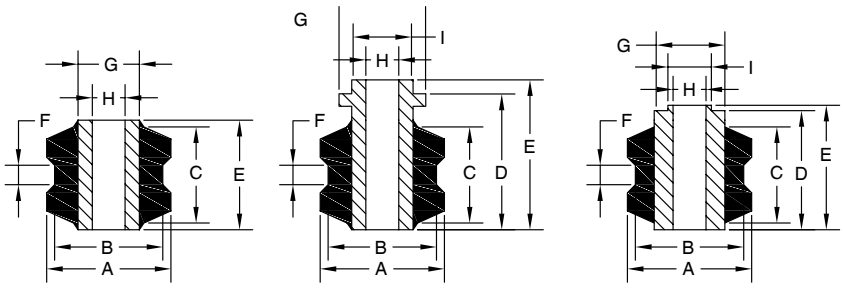
Example of part number configuration for LCD007547C

Part Series	HP rating	Flange and inner Variation	Torsional Stiffness
LCD	0075	47	C

Typical Applications
- Mining Dump Trucks — Increased engine and transmission life.
- Diesel Locomotives — Eliminated driveline failure.
- Agricultural Tractors — Prolonged U-joint life.
- Military Vehicles — Reduced noise.

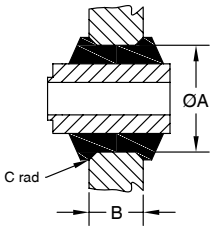
Warning
The Dynaflex LCD type coupling should NEVER be used for dynamometer testing machines or with unsupported shafts. (double universal joints)

Dynaflex LCD Type Couplings

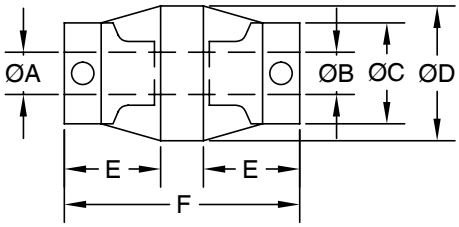


Part No.	Kr lbs-in	A	B	C	D	E	F	G	H	I
J62502	6800	31.8	27.7	23.9	-	26.9	5.1	15.7	11.51	-
J591533	N/A	63.5	58.9	37	50.8	54.9	15.6	38.1	15.09	22.23
J591555	N/A									
J591558	12000	63.5	58.9	36.6	51.1	54.9	14.2	38.1	16.00	22.23

Part No.	A	B	C	Chamferx45
			Radius	
J62502	25.4	17.5	4.8	3.3
J591533	53.2	31.75	6.4	4.8
J591555	53.2	31.75	6.4	4.8
J591558	55.6	26.9	6.4	4.8



Dynaflex LCD Type Couplings



Part No.	Bore Diameters		C	D	E	F	HP @	Torque Rating	Static Torsional	Set Screw
	A-in	B-in	in	in	in	in	1750 rpm	lbs-in	Stiffness lb-in/deg	Size
SK194729	0.250	0.250	0.44	0.56	0.36	0.81	1/50	0.80	0.053	5/40
J121138	0.375	0.500	0.88	1.25	0.88	2.13	1/4	10	0.660	1/4-20
J121131	0.500	0.500	0.88	1.25	0.88	2.13	1/4	10	0.660	1/4-20
J1211435	0.375	0.500	1.00	1.38	0.91	2.25	1/3	13	0.870	1/4-20