

22000 MOUNT

(1) Natural frequency:
8 to 18 Hz



DESCRIPTION

The 22000 mount is made of two parts of elastomer bonded to a central tube.

- Interior reinforced: cylindrical tube.
- Elastomer: chloroprene. Range of five different stiffnesses.

OPERATION

The design of the 22000 mount gives the following basic characteristics.

- Elastomer element resistant to oils, supporting axial and radial loadings.
- Axial to radial stiffness of 1 : 1.
- Absorb vibrations and reduce noise in all directions.

Advantages :

- Good isolation against structural noises.
- Chloroprene resistant to oils.
- Simple and economical.
- Simple to fix.
- Five sizes for a load capacity under axial pressure from 15 to 2100 kg and under radial pressure until 650 kg.
- Anti-rebound effect when it is assembled with a washer.

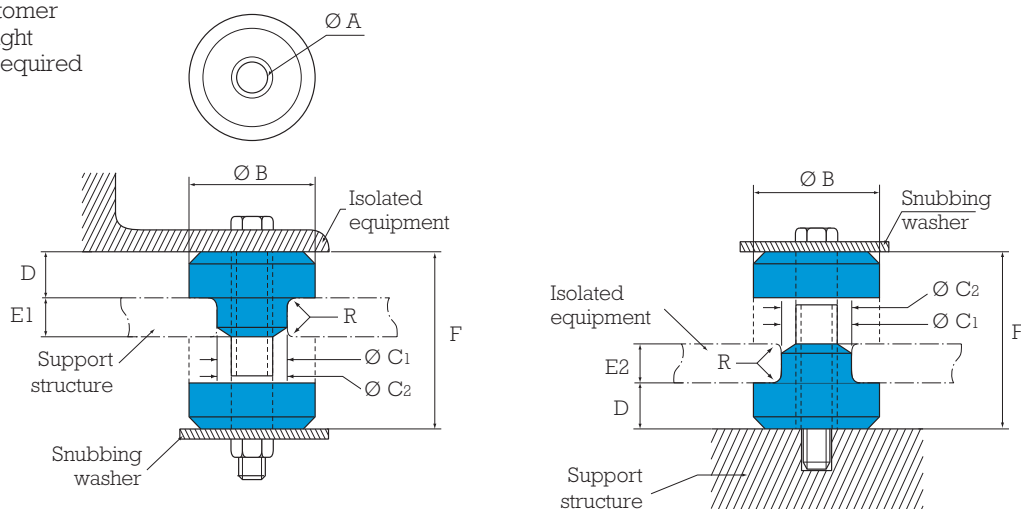
APPLICATIONS

22000 mounts can be used in static or mobile applications, such as: pumps, compressors, generators, electronic equipment, HVAC equipment, engines with internal combustion, transmissions, plant cabs, radiators, etc.

(1) Natural frequencies with max/min loads, see : OPERATING CHARACTERISTICS.

DIMENSIONS CHARACTERISTICS

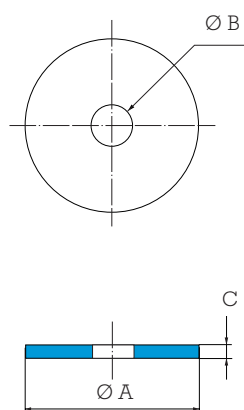
C1 : Ø mounting hole
C2 : Ø elastomer
F : Free height
R : Radius required



Paulstra reference	Barry Controls* reference	Ø A mm	Ø B mm	Ø C1 mm	Ø C2 mm	D mm	E1 mm	E2 mm	F mm	R mm	Weight g
530903 11 / 15	22001-11 / 15	10.4	33.2	19	20.1	12.3	9.5	9.5	31.7	1	43
530903 21 / 25	22002-11 / 15	13.5	47.7	31.7	33	19.8	14	12.5	49.2	1.5	142
530903 31 / 35	22003-11 / 15	16.7	64.8	38.1	40.1	22.8	22	19	61.7	2.3	313
530903 41 / 45	22004-11 / 15	23.8	88.9	57.1	58.4	25.4	28.5	25.5	73.1	3	670
530903 51 / 55	22005-11 / 15	27	123.9	63.5	64.8	31.7	32	25.5	85.8	3	1306

See current price list for availability of items.

1 kg $\approx$ 1 daN



Washers are recommended for the assembly of the mount. They make it possible to carry out debouncing.

PAULSTRA Reference*	Washer			
	Ø A mm	Ø B mm	C mm	Weight g
530903 11 / 15	39.6	10.3	2.2	24
530903 21 / 25	54.1	13.5	3.4	54
530903 31 / 35	71.3	16.7	4.7	140
530903 41 / 45	98.5	23.8	6.3	368
530903 51 / 55	133.3	27.0	9.5	991

* References given as an indication.

OPERATING CHARACTERISTICS

The maximum loadings depend on the compression of the assembly by comparing the thicknesses E1 and E2.

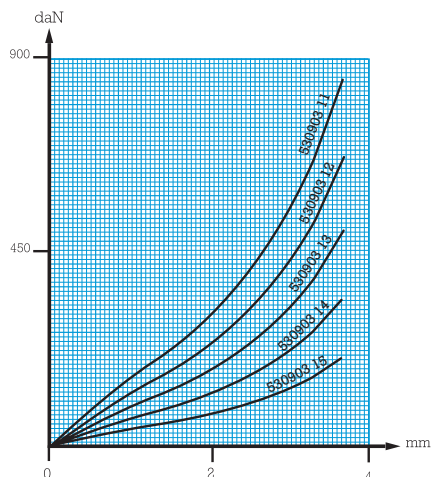
Paulstra reference	Barry Controls* reference	Support structure E1 Load per mount				Support structure E2 Load per mount			
		Axial daN	Radial daN	Fo Hz	E1 mm	Axial daN	Radial daN	Fo Hz	E1 mm
530903 11	22001-11	18	9			18	9		
530903 12	22001-12	40	13			40	13		
530903 13	22001-13	63	18	15	9.5	63	18	15	9.5
530903 14	22001-14	113	22			113	22		
530903 15	22001-15	136	27			136	27		
530903 21	22002-11	59	22			27	18		
530903 22	22002-12	79	29			54	36		
530903 23	22002-13	109	40	12	14	72	56	15	12.5
530903 24	22002-14	172	75			118	81		
530903 25	22002-15	286	127			172	127		
530903 31	22003-11	95	40			40	31		
530903 32	22003-12	159	63			68	47		
530903 33	22003-13	222	102	11	22	102	72	15	25.5
530903 34	22003-14	390	175			147	111		
530903 35	22003-15	604	313			227	163		
530903 41	22004-11	122	61			68	50		
530903 42	22004-12	231	104			136	100		
530903 43	22004-13	350	156	10	28.5	181	136	15	25.5
530903 44	22004-14	531	268			227	181		
530903 45	22004-15	954	443			272	263		
530903 51	22005-11	518	109			136	68		
530903 52	22005-12	877	154			227	100		
530903 53	22005-13	1172	277	10	32	318	136	15	25.5
530903 54	22005-14	1609	404			409	213		
530903 55	22005-15	2072	640			545	300		

See current price list for availability of items.

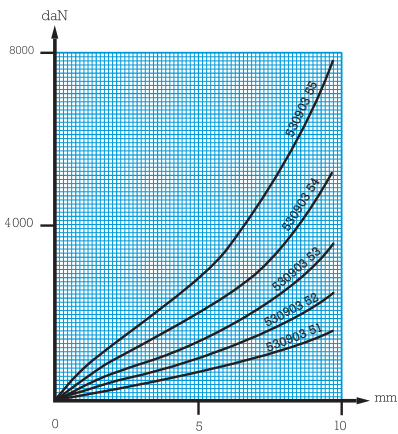
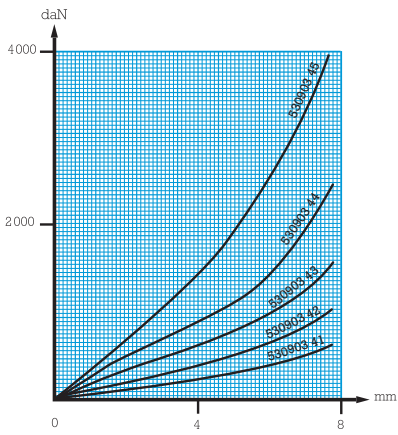
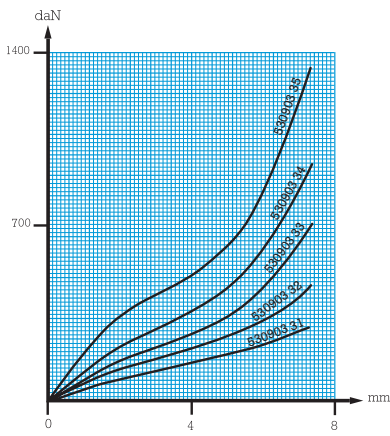
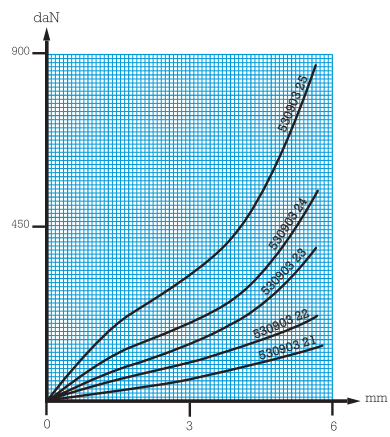
1 kg $\approx$ 1 daN

LOAD/DEFLECTION CURVES IN AXIAL COMPRESSION

Assembly type E1 and E2



Assembly type E1



Assembly type E2

