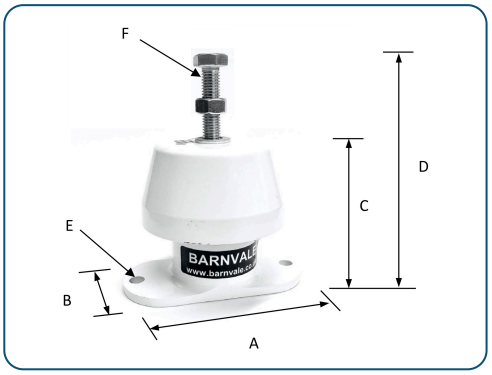
BARNVALE
DESIGN AND INNOVATION

TECHNICAL SPECIFICATION

Captive Spring Mounts 25mm Deflection



Design Load	Hole Centres	A	B	C	D (Approx)	E	F Dia
23Kg	110	130	62	102	165	11	m12
37Kg	110	130	62	102	165	11	m12
60Kg	110	130	62	102	165	11	m12
91Kg	110	130	62	102	165	11	m12
137Kg	110	130	62	102	165	11	m12
228Kg	110	130	62	102	165	11	m12
296Kg	110	130	62	102	165	11	m12
364Kg	110	130	62	102	165	11	m12
69Kg	148	173	73	130	190	14	m14
91Kg	148	173	73	130	190	14	m14
137Kg	148	173	73	130	190	14	m14
228Kg	148	173	73	130	190	14	m14
341Kg	148	173	73	130	190	14	m14
455Kg	148	173	73	130	190	14	m14
546Kg	148	173	73	130	190	14	m14
637Kg	148	173	73	130	190	14	m14
773Kg	148	173	73	130	190	14	m14
864Kg	148	173	73	130	190	14	m14

Barnvale Engineering Captive Spring Mounts are designed and manufactured to the highest standards.
Manufactured from LM6 aluminium, powder coated finish, internal spring zinc plated to resist corrosion.
Any areas where vibration could be transmitted are isolated by neoprene washers and complete with built in 'Snubber'.
For use with modules, pump skids, fans and compressors.

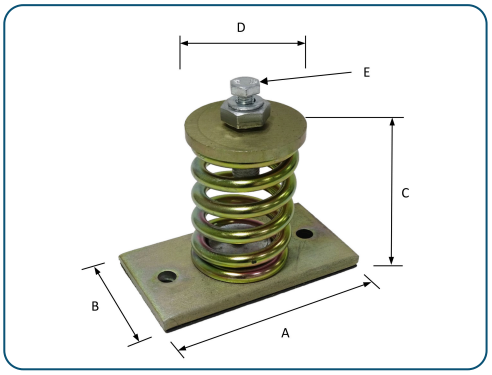
Need assistance or further information, please call us on 020 8591 9588 or email sales@barnvale.co.uk

BARNVALE
MADE IN BRITAIN

BARNVALE
DESIGN AND INNOVATION

TECHNICAL SPECIFICATION

Open Spring Mount 30mm Deflection



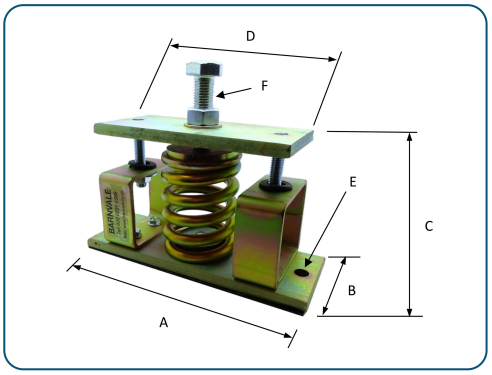
Design Load	Hole Centres	Fixing Holes	A	B	C (Max)	D	E (Fixing)
23Kg	92	14	130	80	130	70	10
37Kg	92	14	130	80	130	70	10
60Kg	92	14	130	80	130	70	10
91Kg	92	14	130	80	130	70	10
137Kg	92	14	130	80	130	70	10
228Kg	92	14	130	80	130	70	10
287Kg	92	14	130	80	130	70	10
364Kg	92	14	130	80	130	70	10
500Kg	92	14	130	80	130	70	10
194Kg	120	14	185	90	188	87	12
273Kg	120	14	185	90	188	87	12
341Kg	120	14	185	90	188	87	12
455Kg	120	14	185	90	188	87	12
637Kg	120	14	185	90	188	87	12
773Kg	120	14	185	90	188	87	12
910Kg	120	14	185	90	188	87	12
1091Kg	120	14	185	90	188	87	12

Barnvale Engineering open spring mounts are designed and manufactured in the U.K. to the highest standards.
Helical springs are manufactured from cold drawn carbon steel (BS5216) with a zinc plate passivate finish.
The base comes complete with a Ribbed Neoprene Pad to further reduce vibration.
Suitable for mechanical equipment such as fans, pumps, air handling units and booster sets.
These units are also used in conjunction with our Inertia Bases to also provide a solution to noise and vibration problems.

BARNVALE
DESIGN AND INNOVATION

TECHNICAL SPECIFICATION

Restricted Spring Mounts 30mm Deflection



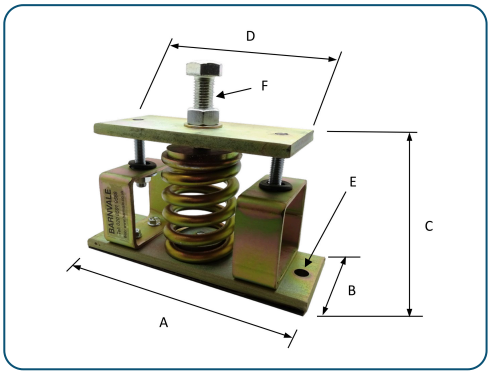
Design Load	Hole Centres	A	B	C (Max)	D	E	F Dia
23Kg	198	230	90	115	165	14	m12
37Kg	198	230	90	115	165	14	m12
60Kg	198	230	90	115	165	14	m12
91Kg	198	230	90	115	165	14	m12
137Kg	198	230	90	118	165	14	m12
228Kg	198	230	90	125	165	14	m12
287Kg	198	230	90	125	165	14	m12
364Kg	198	230	90	127	165	14	m12
500Kg	198	230	90	135	165	14	m12
194Kg	220	250	90	137	190	14	m20
273Kg	220	250	90	143	190	14	m20
341Kg	220	250	90	143	190	14	m20
455Kg	220	250	90	150	190	14	m20
637Kg	220	250	90	150	190	14	m20
773Kg	220	250	90	152	190	14	m20
910Kg	220	250	90	175	190	14	m20
1091Kg	220	250	90	188	190	14	m20

Barnvale Engineering restricted spring mounts are designed and manufactured in the U.K. to the highest standards.
Helical springs are manufactured from cold drawn carbon steel (BS5216) with a zinc plate passivate finish.
All areas of vibration transmission are isolated with Neoprene washers.
These units are typically used for Pump and plantroom modules/skids, Chillers, Cooling towers, and DAC units.

BARNVALE
DESIGN AND INNOVATION

TECHNICAL SPECIFICATION

Restricted Spring Mounts 50mm Deflection



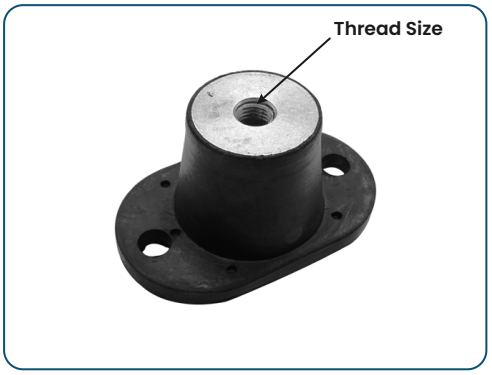
Design Load	Hole Centres	A	B	C (Max)	D	E	F Dia
23Kg	220	250	90	194	190	14	m20
34Kg	220	250	90	194	190	14	m20
45Kg	220	250	90	194	190	14	m20
68Kg	220	250	90	194	190	14	m20
91Kg	220	250	90	194	190	14	m20
137Kg	220	250	90	194	190	14	m20
228Kg	220	250	90	194	190	14	m20
364Kg	220	250	90	194	190	14	m20
500Kg	220	250	90	194	190	14	m20
575Kg	220	250	90	194	190	14	m20
680Kg	240	280	130	210	210	14	m20
795Kg	240	280	130	210	210	14	m20
910Kg	240	280	130	210	210	14	m20

Barnvale Engineering restricted spring mounts are designed and manufactured in the U.K. to the highest standards.
Helical springs are manufactured from cold drawn carbon steel (BS5216) with a zinc plate passivate finish.
All areas of vibration transmission are isolated with Neoprene washers.
These units are typically used for Pump and plantroom modules/skids, Chillers, Cooling towers, and DAC units.

BARNVALE
DESIGN AND INNOVATION

TECHNICAL SPECIFICATION

Neoprene Mounts & Hanger Boxes





Neoprene Mounts					
Load Kg	Design Deflection				
2.5 - 5Kg	3mm				
4 - 8Kg	3mm				
7 - 14Kg	3mm				
9 - 18Kg	3mm	4mm		9mm	
14 - 28Kg		4mm		9mm	
18 - 60Kg			5mm		10mm
20 - 40Kg		4mm		9mm	
27 - 54Kg		4mm		9mm	
36 - 72Kg		4mm		9mm	
54 - 108Kg			5mm		10mm
90 - 180Kg			5mm		10mm
135 - 270Kg			5mm		10mm
180 - 360Kg			5mm		10mm
Thread Size	m8	m8	m12	m8	m12

Hanger Box c/w Neoprene Mount					
Load Kg	Design Deflection				
2.5 - 5Kg	3mm				
4 - 8Kg	3mm				
7 - 14Kg	3mm				
9 - 18Kg	3mm	4mm		9mm	
14 - 28Kg		4mm		9mm	
18 - 60Kg			5mm		10mm
20 - 40Kg		4mm		9mm	
27 - 54Kg		4mm		9mm	
36 - 72Kg		4mm		9mm	
54 - 108Kg			5mm		10mm
90 - 180Kg			5mm		10mm
135 - 270Kg			5mm		10mm
180 - 360Kg			5mm		10mm
Hole Dia	12mm	12mm	14mm	12mm	12mm

The neoprene mounts are suitable for isolating vibration from packaged units e.g. Pressurisation Units or Expansion Vessels. The neoprene rubber used is highly resistant to ageing and weathering.

Boxes are electrophoretic coated to 18 microns thick to give maximum corrosion resistance, however, are available galvanized if required at extra cost.