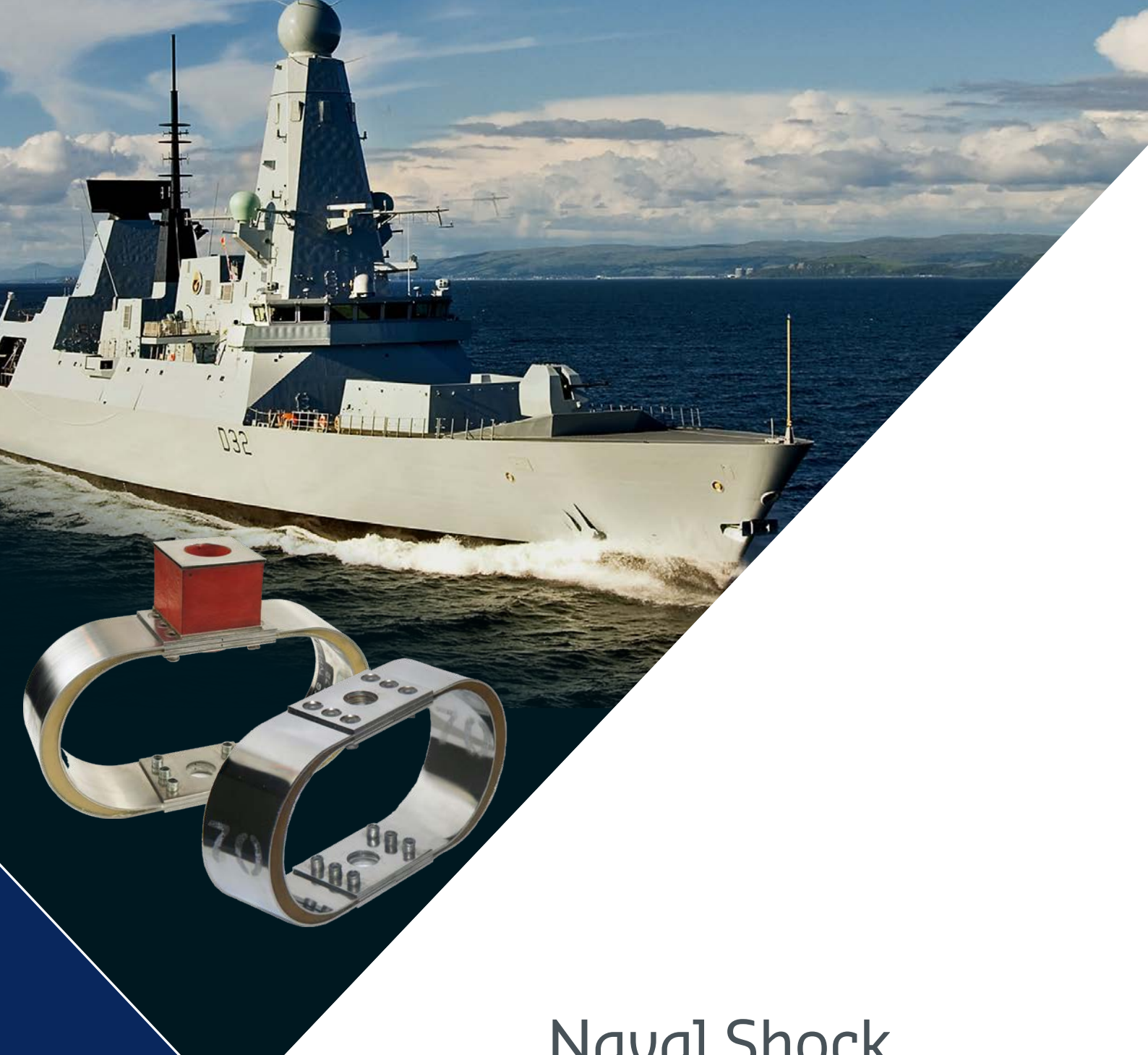




We make it **possible**

Naval Shock Mounts Type X and Y

HIGH DEFLECTION SHOCK MOUNTS NAVAL MOUNTS TYPE X & Y



Stop-choc leaf spring mounts (Naval Type X and Y) are specifically designed for the protection of shipborne equipment from the damaging effects of shock and vibration.

Stop-choc Type X mounts are manufactured to UK Ministry of Defence specification. The elliptical springs are produced in a corrosive resistant stainless steel and the space between is filled with an epoxy resin damping compound. Bushes and washers of high impact nylon are used to reduce noise transmission through the fixing bolts.

The load capacity is between 9 and 550 kg.

Stop-choc Type Y mount is a modified version of the X mount, incorporating a thick elastomer bush to absorb audible frequencies. The load capacity is between 9 and 450 kg.

Natural Frequencies: 4.4 to 11.2 Hz
Shock Attenuation: 15g when correctly selected for typical naval shocks
Operating temperature range: -20°C to +40°C

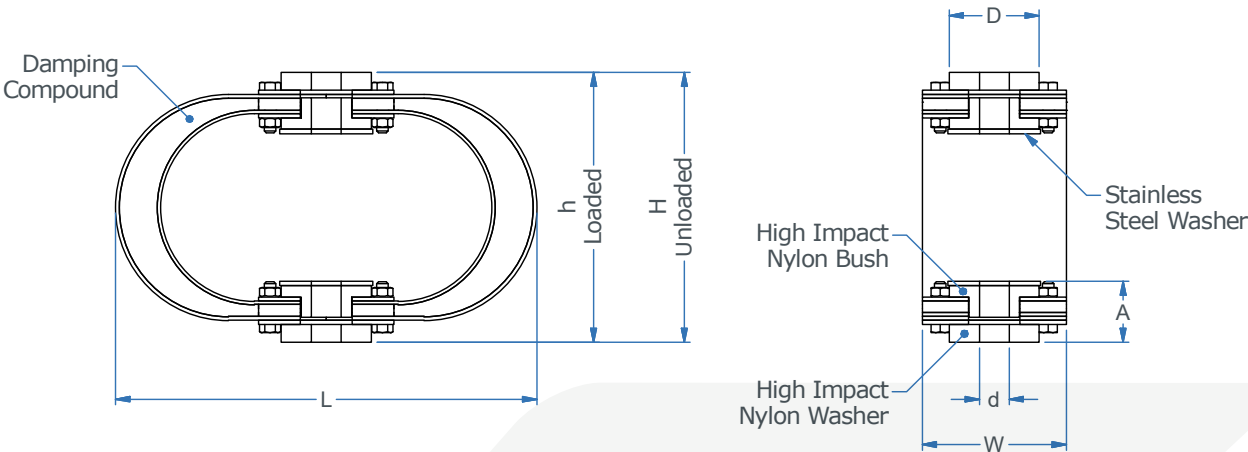
Typical Applications:

- Sensitive electronics
- Control cabinets
- Wall mounted panels
- Pumps
- Compressors
- Fans
- Alternators
- Ductwork

For other special versions of these resilient mounts please contact our Sales office. Stop-choc is fully accredited by the MOD to supply all versions of the ‘Admiralty’ range of mounts. We offer a complete service to the marine industry to solve the problem of vibration, shock and structural borne noise, working closely with naval consultants, designers, shipbuilders and equipment suppliers. Alternative products to suit the special needs of the marine industry are available.

For further information contact Stop-choc.

DIMENSIONS NAVAL MOUNTS TYPE X



Type X Mounts

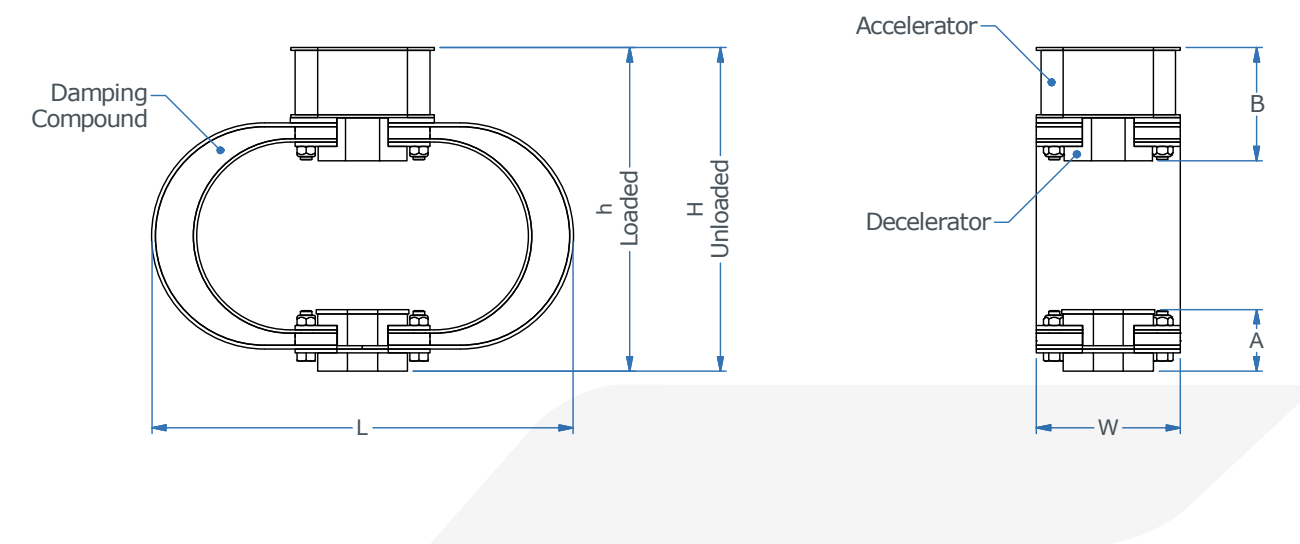
Rating kg	Stop-choc Part No.	NATO Stock No.	Load Range kg	H mm	h mm	L mm	W mm	A mm	D mm	d Bolt size	Weight Approx. kg
10	SCA10842	5340-99-923-5717	9-18	114	107	203	51	21.7	31.8	M8	0.68
20	SCA10843	5340-99-923-5718	18-35	114	107	203	51	22.7	31.8	M8	0.8
45	SCA10844	5340-99-923-5719	35-55	133	123	216	51	23.4	31.8	M12	1.02
70	SCA10845	5340-99-923-5720	55-90	133	124	216	51	25	31.8	M12	1.13
110	SCA10846	5340-99-923-5721	90-135	133	124	216	51	26.4	31.8	M12	1.25
180	SCA10847	5340-99-520-8429	135-250	191	186	297	102	39.2	63.5	M20	5.9
320	SCA10848	5340-99-520-8428	250-380	191	184	297	102	41.2	63.5	M20	6.57
450	SCA10849	5340-99-520-8427	380-550	191	186	297	102	43.3	63.5	M20	7.25

Special X Mounts

Rating kg	Stop-choc Part No.	NATO Stock No.	Load Range kg	H mm	h mm	L mm	W mm	A mm	D mm	d Bolt size	Weight Approx. kg
6A	SCA25642	5340-99-665-3921	3-6	82	73	134	25	14.8	20	M8	0.13
6B	SCA26317	Not Allocated	3-6	82	75	134	25	14.8	20	M8	0.13
6S	SCA26318	5340-99-335-1954	5.4-10.8	114	107	203	30	21.5	31.8	M8	0.45
150	SCA26319	5340-99-591-2587	135-175	134	122	216	51	26.8	31.8	M12	1.25
450S	SCA10850	5340-99-520-6107	380-550	210	200	365	51	49.0	35	M20	7.3

Dimensions and data are subject to change without notice.

DIMENSIONS NAVAL MOUNTS TYPE Y



Type Y Mounts

Rating kg	Stop-choc Part No.	NATO Stock No.	Load Range kg	H mm	h mm	L mm	W mm	Bolt top	Bolt base	A	B	Weight Approx. kg*
10	SCA13008	5340-99-778-9769	9-18	134	125	203	51	M8	M8	22.7	38.7	0.95
20	SCA13009	5340-99-778-9770	18-35	134	124	203	51	M8	M8	23.7	41.2	1.22
45	SCA13010	5340-99-778-9771	35-55	166	152	216	51	M10	M12	24.4	55.5	1.44
70	SCA13011	5340-99-778-9772	55-90	166	151	216	51	M10	M12	26	56.5	1.55
110	SCA13012	5340-99-778-9773	90-135	166	153	216	51	M10	M12	27.4	57.9	1.72
180	SCA13013	5340-99-778-9774	135-250	229	221	297	102	M16	M20	40.5	75.9	8.39
320	SCA13014	5340-99-778-9775	250-380	229	217	297	102	M16	M20	42.5	76.1	8.97
450	SCA13015	5340-99-778-9776	380-550	228	214	297	102	M16	M20	44.6	79.4	9.89

*Weight with Type 2 Fixing Kits

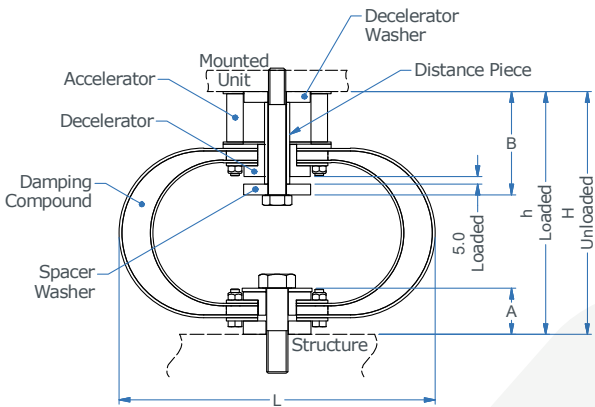
Fixing Kits for Type Y Mounts

For use with Y Mount	NATO Stock No.	Type	Stop-choc Part No.
Type 10 - 20 kg	5340-99-861-9603	1	SCA24724
Type 10 - 20 kg	5340-99-131-1422	2	SCA24727
Type 45 kg	5340-99-702-0730	1	SCA26179
Type 45 kg	5340-99-551-2649	2	SCA26180
Type 70 kg - 110 kg	Not Allocated	1	SCA24725
Type 70 kg - 110 kg	Not Allocated	2	SCA24728
Type 180 - 320 - 450 kg	5340-99-968-1694	1	SCA24726
Type 180 - 320 - 450 kg	5340-99-968-1695	2	SCA24729

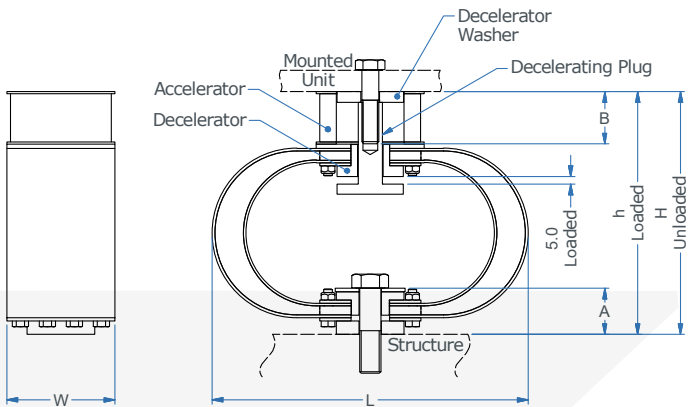
Y mount Fixing Kit includes distance piece and washer(s) only.
Does not include fixing bolts, screws or nuts.

DIMENSIONS NAVAL MOUNTS TYPE Y
WITH TYPE 1 & 2 FIXING KITS

Y Mount with Type 1 Fixing Kit



Y Mount with Type 2 Fixing Kit



Type Y Mounts with Type 1 Fixing Kit

Rating kg	Stop-choc Part No.	NATO Stock No.	Load Range kg	H mm	h mm	L mm	W mm	Bolt top	Bolt base	A	B	Weight Approx. kg
10	SCA24670	Not Allocated	9-18	134	125	203	51	M8	M8	22.7	54	0.89
20	SCA24671	Not Allocated	18-35	134	124	203	51	M8	M8	23.7	54	1.16
45	SCA24672	5340-99-134-9145	35-55	166	152	216	51	M10	M12	24.4	71	1.41
70	SCA24673	5340-99-735-0650	55-90	166	151	216	51	M10	M12	26	71	1.52
110	SCA24674	5340-99-763-8176	90-135	166	153	216	51	M10	M12	27.4	71	1.69
180	SCA24675	5340-99-961-2238	135-250	229	221	297	102	M16	M20	40.5	97	8.27
320	SCA24676	Not Allocated	250-380	229	217	297	102	M16	M20	42.5	97	8.90
450	SCA24677	Not Allocated	380-550	228	214	297	102	M16	M20	44.6	97	9.82

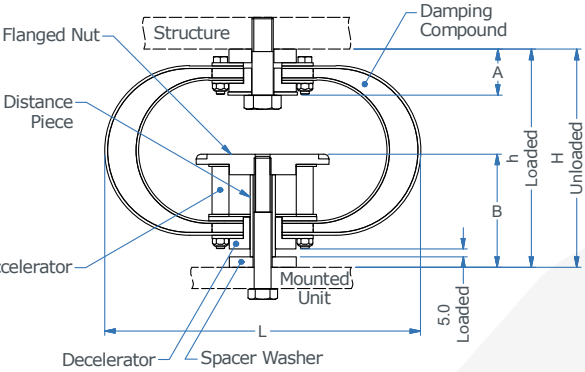
Type Y Mounts with Type 2 Fixing Kit

Rating kg	Stop-choc Part No.	NATO Stock No.	Load Range kg	H mm	h mm	L mm	W mm	Bolt top	Bolt base	A	B	Weight Approx. kg
10	SCA24678	5340-99-145-1704	9-18	134	125	203	51	M8	M8	22.7	33	0.95
20	SCA24679	5340-99-320-4485	18-35	134	124	203	51	M8	M8	23.7	33	1.22
45	SCA24680	5340-99-762-5586	35-55	166	152	216	51	M10	M12	24.4	38	1.44
70	SCA24681	5340-99-600-4347 5340-99-967-7702	55-90	166	151	216	51	M10	M12	26	38	1.55
110	SCA24682	5340-99-477-5217 5340-99-700-7155	90-135	166	153	216	51	M10	M12	27.4	38	1.72
180	SCA24683	5340-99-142-6252	135-250	229	221	297	102	M16	M20	40.5	48	8.39
320	SCA24684	5340-99-720-4876 5340-99-874-3026	250-380	229	217	297	102	M16	M20	42.5	48	8.97
450	SCA24685	5340-99-428-2122 5340-99-786-4199	380-550	228	214	297	102	M16	M20	44.6	48	9.89

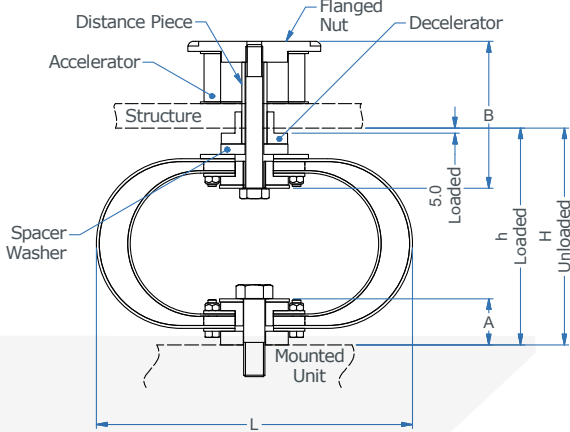
Dimensions and data are subject to change without notice.

DIMENSIONS NAVAL MOUNTS TYPE YNS
WITH TYPE 1 & 2 FIXING KITS

YNS Mount with Type 1 Fixing Kit



YNS Mount with Type 2 Fixing Kit



Type YNS Mounts with Type 1 Fixing Kit

Rating kg	Stop-choc Part No.	NATO Stock No.	Load Range kg	H mm	h mm	L mm	W mm	Bolt top	Bolt base	A mm	B mm
10	SCA24686	5340-99-051-2393	9-18	120	129	203	51	M8	M8	22.7	59
20	SCA24688	Not Allocated	18-35	120	130	203	51	M8	M8	23.7	59
45	SCA24690	5340-99-010-4255	35-55	140	154	216	51	M12	M10	24.4	76
70	SCA24692	5340-99-629-9763 5340-99-977-5098	55-90	140	155	216	51	M12	M10	26	76
110	SCA24694	5340-99-127-4444 5340-99-967-6309 5340-99-337-0854	90-135	140	153	216	51	M12	M10	27.4	76
180	SCA24696	5340-99-253-1817	135-250	205	213	297	102	M20	M16	40.5	106.5
320	SCA24698	Not Allocated	250-380	205	217	297	102	M20	M16	42.5	106.5
450	SCA24700	5340-99-325-2108	380-550	205	219	297	102	M20	M16	44.6	106.5

Type YNS Mounts with Type 2 Fixing Kit

Rating kg	Stop-choc Part No.	NATO Stock No.	Load Range kg	H mm	h mm	L mm	W mm	Bolt top	Bolt base	A mm	B mm
10	SCA24687	Not Allocated	9-18	120	129	203	51	M8	M8	22.7	71
20	SCA24689	Not Allocated	18-35	120	130	203	51	M8	M8	23.7	72
45	SCA24691	Not Allocated	35-55	139	153	216	51	M10	M12	24.4	91
70	SCA24693	5340-99-168-5771	55-90	139	154	216	51	M10	M12	26	92
110	SCA24695	Not Allocated	90-135	139	153	216	51	M10	M12	27.4	93
180	SCA24697	5340-99-147-2458	135-250	205	213	297	102	M16	M20	40.5	133
320	SCA24699	Not Allocated	250-380	205	217	297	102	M16	M20	42.5	135
450	SCA24701	Not Allocated	380-550	205	219	297	102	M16	M20	44.6	137

OTHER NAVAL SHOCK MOUNTS



Type GB730



Type J



Type GB530



Type L & M



Type GB330



Type PD



Type M2K07



Type R & R2

Stop-choc Part No.	Type GB730	Type GB530	Type GB330	Type M2K07	Type J	Type L & M	Type PD	Type R
Max. Load kg	2000	600	450	14	180	450	2500	52
Max. Deflection mm	90	65 (75)*	40 (75)*	40	84	45	35	10

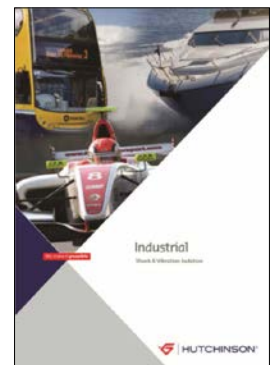
* With Special Fixings

ENGINEERING

- Utilising ANSYS finite element modelling, Autodesk Inventor 3D CAD and our own proprietary vibration and shock analysis tools, our team of highly qualified engineers form the foundation of our business philosophy to offer our customers well considered, commercially and technically sound solutions in a timely manner. Coupled with our ability to produce rapid prototypes and to carry out a variety of sophisticated validation testing on site, we provide an unparalleled level of technical support.
- Stop-choc benefits greatly from being part of Hutchinson group. As a world leader in the supply of rubber and plastic products and with a state of the art research facility in France, our group rubber and elastomeric materials are under continuous development offering our customers the most advanced performance and technology available in the market today.

QUALITY

- Approved to ISO 9001, AS9100, ISO 14001 and also qualified by leading aerospace and defence companies our customers can be confident they are working with a first class quality organisation.
- Approved to EASA Part 145 repair station certification.
- We utilise the latest test and inspection equipment along with specialist facilities for light measurement, vibration testing and material performance evaluation.
- Coupled with our MRP system, computer controlled bonded stores, carefully controlled stock and purchase systems and our true commitment to LEAN principles, we believe we are well placed to ensure our customers receive the highest standards of product quality and service.



We make it **possible**



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