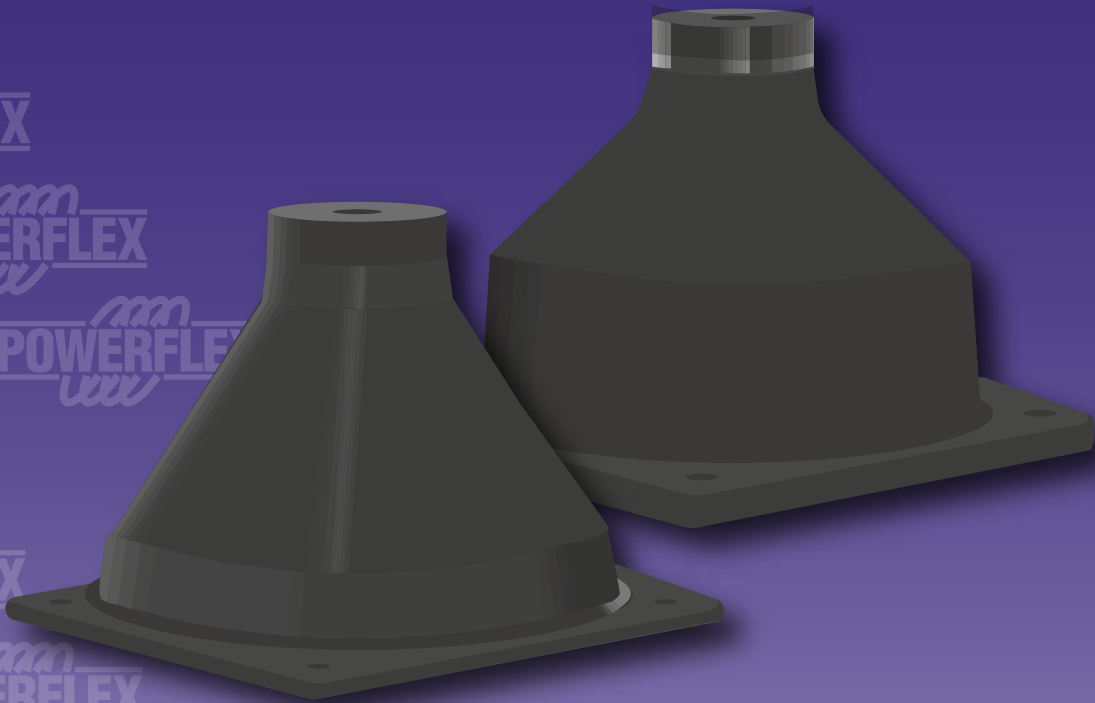


ADVANCED
ENGINEERING
SOLUTIONS
POWERFLEX

ADVANCED
ENGINEERING
SOLUTIONS
POWERFLEX

RUBBER MOUNTS

LOW STRUCTURE-BORNE NOISE



PWEN
S · E · R · I · E · S

**TECHNICAL DATA &
PERFORMANCE
CHARACTERISTICS**

POWERFLEX "PWEN SERIES"

RUBBER MOUNTS WITH A LOW STRUCTURE-BORNE NOISE, TYPICAL REQUIREMENT ON SUBMARINES ACCORDING TO MIL STD 1474, AND A GOOD ISOLATION DEGREE OF SHIP MECHANICAL VIBRATIONS AND SHOCKS, ACCORDING TO MIL STD 810 AND MIL S 901 RESPECTIVELY

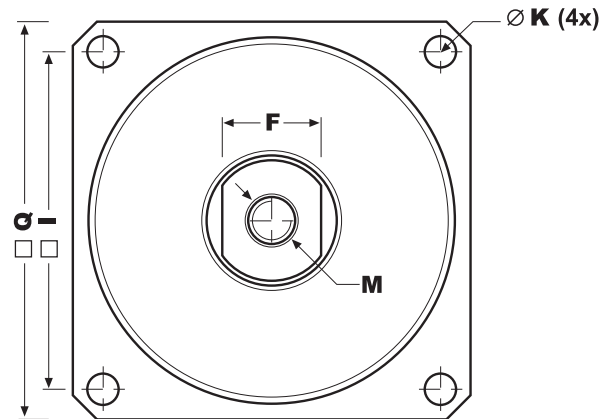
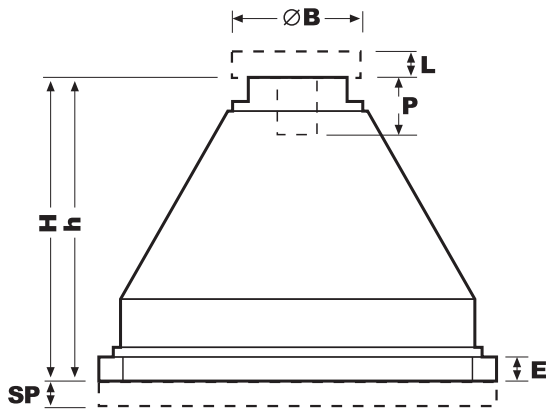
MAIN TYPICAL APPLICATIONS

AIR CONDITIONER - FAN - CONVECTOR HEATER
 COMPRESSOR - GENERATOR SET - HYDRAULIC PRESS
 ELECTRODYNAMIC SHAKER - CABINET - SWITCHBOARD
 LABORATORY EQUIPMENT



TECHNICAL DATA SHEET

PWEN SERIES Dimensions



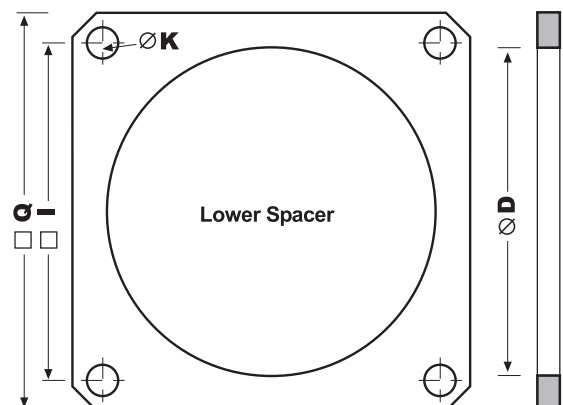
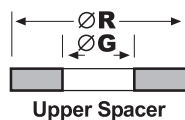
P/Number	M	B mm	P mm	H no load	h with load	E mm	F mm	I mm	Q mm	K mm	Weight kg
PWEN20.XXXX	M10	37	20	100	89	5	27	114	150	9	1,5
PWEN30.XXXX	M16	50	40	126	115	10	41	140	165	13	3,5
PWEN40.XXXX	M24	100	48	154	145	15	41	210	250	18	8,5

PWEN SERIES Available Displacements

Lower Spacer for P/Number	Max* mm	SP mm	D mm	I mm	J mm
PWEN20.XXXX	63	8	88	114	150
PWEN30.XXXX	67	5	105	140	165
PWEN40.XXXX	69	5	130	210	250

* Maximum Axial Displacement

Upper Spacer for P/Number	R mm	G mm	L mm
PWEN20.XXXX	37	11	10
PWEN30.XXXX	50	22	10
PWEN40.XXXX	100	26	10



PWEN20 Series

P/Number	Axial Nominal Load daN	Axial Static Load		Static Stiffness +/- 20%		Dynamic Stiffness		Height With Nominal Load mm	Height With No Load mm
		mm	mm	Axial N/mm	Radial N/mm	Axial N/mm	Radial N/mm		
PWEN20.0030	30	15	35	25	30	30	35	89	100
PWEN20.0045	45	25	55	40	45	45	55	89	100
PWEN20.0060	60	30	70	55	35	60	40	89	100
PWEN20.0085	85	45	100	70	50	85	60	89	100
PWEN20.0110	110	55	125	80	65	110	90	88	100
PWEN20.0130	130	65	150	80	90	130	150	86	100
PWEN20.0165	165	85	190	95	110	165	190	86	100

PWEN30 Series

P/Number	Axial Nominal Load daN	Axial Static Load		Static Stiffness +/- 20%		Dynamic Stiffness		Height With Nominal Load mm	Height With No Load mm
		mm	mm	Axial N/mm	Radial N/mm	Axial N/mm	Radial N/mm		
PWEN30.0170	170	85	195	130	115	170	150	115	126
PWEN30.0230	230	115	265	180	125	230	160	114	126
PWEN30.0320	320	160	370	190	220	320	370	112	126
PWEN30.0425	425	215	490	215	290	430	575	110	126
PWEN30.0560	560	280	645	445	440	905	855	113	126

PWEN40 Series

P/Number	Axial Nominal Load daN	Axial Static Load		Static Stiffness +/- 20%		Dynamic Stiffness		Height With Nominal Load mm	Height With No Load mm
		mm	mm	Axial N/mm	Radial N/mm	Axial N/mm	Radial N/mm		
PWEN40.0500	500	250	575	420	210	505	250	145	154
PWEN40.0625	625	315	720	480	260	630	340	141	154
PWEN40.0800	800	400	920	515	460	805	720	139	154
PWEN40.1080	1080	540	1240	610	450	1085	805	138	154

PWEN SERIES Fixing recommended screws

for P/Number	lower plate			upper core*		
	size	class	torque (N.m)	size	class	torque (N.m)
PWEN20.XXXX	H M8	8.8	5	H M10	10.9	26
PWEN30.XXXX	H M12	8.8	25	H M20	10.9	159
PWEN40.XXXX	H M16	10.9	81	H M24	10.9	484

* The upper core must be held during the tightening of the central

RESISTANCE TO VIBRATIONS AND SHOCKS

Vibration Endurance:

+/- 0.3mm of input at the natural frequency for a 2 hour cumulative test.

Shocks:

10 shocks at +/- 45mm displacements

ENVIRONMENTAL RESISTANCE

Corrosion Protection:

Black paint (96 hours salt spray resistance)

Operating Temperatures:

-40°C up to 70°C. The characteristics are measured at an average temperature of 22°C. For different applications, please, contact our engineering dept.

OPTIONAL AVAILABLE DISPLACEMENT

Without upper and lower spacers:

45mm axially and radially (under nominal loading) for the complete range.

With upper and lower spacers:

See table "PWEN Series Available Displacements".

METALLIC PARTS

Upper Thread:

C45E

Lower Plate:

S235JR

REFERENCES

For Example, Part Number:

PWEN20 0030 LU

Series

Type

Optional Available Displacements Lower/Upper spacer



ADVANCED ENGINEERING SOLUTIONS

POWERFLEX

ADVANCED ENGINEERING SOLUTIONS

BY POWERFLEX

KOMBAT

CONTAINERS & CASES

 [instagram.com/powerflex_it](https://www.instagram.com/powerflex_it)

 [facebook.com/powerflex.it](https://www.facebook.com/powerflex.it)



POWERFLEX Srl

Via Campitiello 6 Limatola, 82030 (BN) - ITALY

Tel: +39 0823 481124 - Fax +39 0823 484062

www.powerflex.it

info@powerflex.it

P.I. 01048870628

