



**ANTISHOCK AND
ANTIVIBRATION
STAINLESS STEEL
CABLE DAMPERS**



2010 Edition

PWHS
SERIES
HELICAL STANDARD

**TECHNICAL DATA &
PERFORMANCE
CHARACTERISTICS**

TOTAL PROTECTION FROM SHOCK AND VIBRATION

POWERFLEX "PWHS SERIES"

STAINLESS STEEL CABLE DAMPERS ARE DESIGNED TO PERFORM EFFICIENTLY WITHOUT MATERIAL OR PERFORMANCE DEGRADATION IN EXTREMELY HOSTILE ENVIRONMENTS. THEY ARE OPERATIONAL UNDER WIDE EXTREMES OF TEMPERATURE RANGES AND RESIST CHEMICALS, OILS AND ABRASIVES.



SOME POSSIBLE APPLICATIONS ARE: SHIPBOARD NAVIGATIONAL, FIRE CONTROL AND COMMUNICATIONS EQUIPMENT, ON/OFF ROAD VEHICLES, MOTOR/GENERATOR SETS, EXTREME TEMPERATURE ENVIRONMENTS, SUCH AS ENGINES COMPARTMENTS.

APPLICABLE TO MILITARY STANDARDS OF: MIL-STD-167 (VIBRATION), MIL-STD-810, MIL-S-901 (SHOCK), AND OTHERS.

14 SERIES TO ACCOMMODATE FROM 250 GR TO 2500 KG PER DAMPER. OTHER MANY CUSTOM VERSIONS ARE AVAILABLE.

MAIN TYPICAL APPLICATIONS

ELECTRO/MECHANICAL

CONDITIONERS - AIR COMPRESSORS
ELECTRICAL GENERATION SETS
VENTILATORS - DRYERS - ASPIRATORS

ELECTRONIC

PRECISION INSTRUMENTS
TWO/WAY RADARS
MONITORS - COMPUTERS
LASERS - DATA RECORDERS
TELECAMERA - SOUND SETS

MANUFACTURER

NUMERICAL CONTROL EQUIPMENTS
PRESS - INDUSTRIAL COMPRESSORS
HEAT CONVECTOR - INDUSTRIAL SHAKER
TRANSPORT ROLLER

TRANSPORT

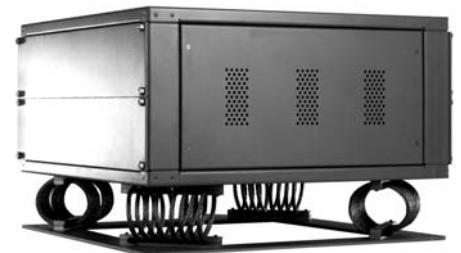
RACKS - CABINETS - SHELTER
GLASS - EXPLOSIVE
RADAR & ANTENNAES
ON-ROAD - OFF-ROAD AND
SPECIAL VEHICLES

AERONAUTICAL AEROSPACE

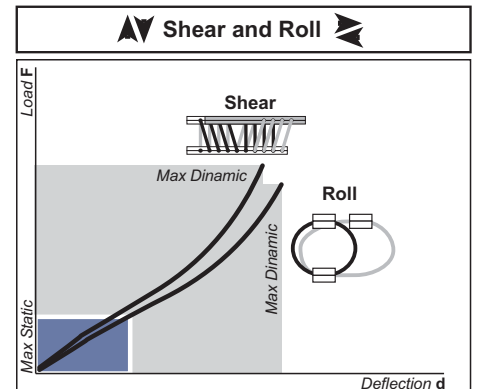
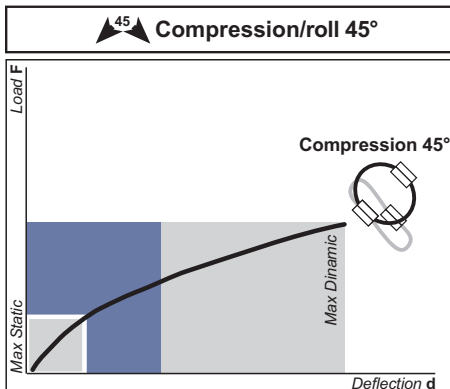
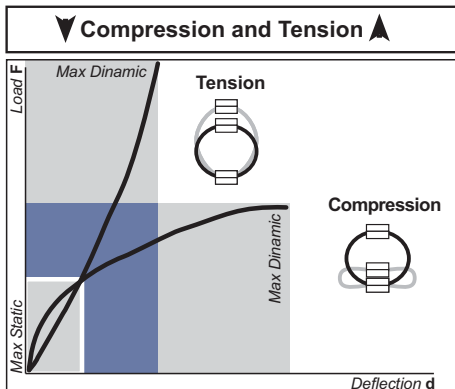
INSTRUMENTS - MECHANICAL COMPONENTS
TRANSPORT OF SPECIAL COMPONENTS

MARINE

GPS - PACKAGE - ELECTRIC GENERATIONS
EXHAUSTS - MOTORS



Performances



SHOCK and VIBRATION SPECIFICATIONS

Ground Forces:

MIL-STD-810, GAM EG13A, SEFT001, VG95332

Air:

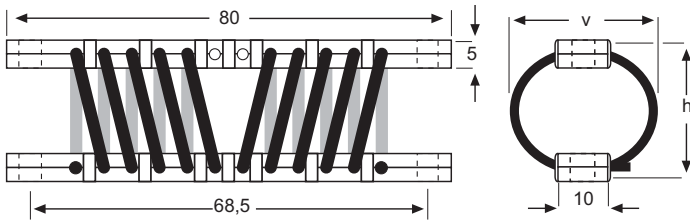
MIL-E-5400, AIR 7306, MIL-C-172, MIL-STD-810

Marine:

MIL-S-167, MIL-S-901, NAV A-3001, NAV A-3002, STANAG 042, BV 043.73, BV 044, GAM EG 13C

Others Specifications: FINABEL 2C, IEC 571, DEF STAN 07-55, GAM EMB1

PWHS015 Series



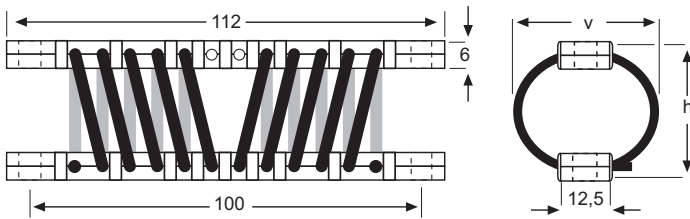
DIMENSIONS (mm)

Tolerances:
 Holes $\pm 0,3$ mm
 Center distances $\pm 0,5$ mm
 $h \pm 2$ mm
 $v \pm 2$ mm
Number of Loops:
 (W) 10 (standard)
Fixing Holes: No. 4
Mass: 30 g to 50 g

BAR FIXING

L2: 4 Clearance Hole $\varnothing 5$
FL: 2 Countersink Hole $\varnothing 5$
 2 Clearance Hole $\varnothing 5$
F2: 4 Countersink Hole $\varnothing 5$
ML: 2 Threaded Insert M4
 2 Clearance Hole $\varnothing 5$
M2: 4 Threaded Insert M4
FM: 2 Countersink Hole $\varnothing 5$
 2 Threaded Insert M4

PWHS024 Series



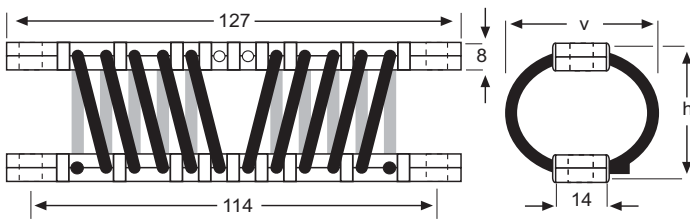
DIMENSIONS (mm)

Tolerances:
 Holes $\pm 0,3$ mm
 Center distances $\pm 0,5$ mm
 $h \pm 2$ mm
 $v \pm 2$ mm
Number of Loops:
 (W) 10 (standard)
Fixing Holes: No. 4
Mass: 70 g to 1000 g

BAR FIXING

L2: 4 Clearance Hole $\varnothing 6$
FL: 2 Countersink Hole $\varnothing 6$
 2 Clearance Hole $\varnothing 6$
F2: 4 Countersink Hole $\varnothing 6$
ML: 2 Threaded Insert M5
 2 Clearance Hole $\varnothing 6$
M2: 4 Threaded Insert M5
FM: 2 Countersink Hole $\varnothing 6$
 2 Threaded Insert M5

PWHS031 Series



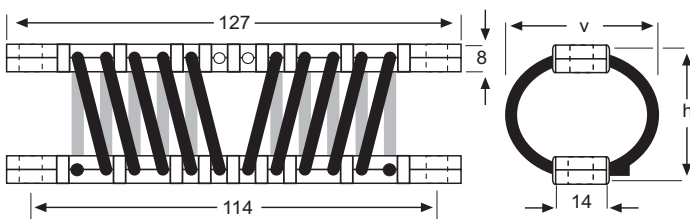
DIMENSIONS (mm)

Tolerances:
 Holes $\pm 0,3$ mm
 Center distances $\pm 0,5$ mm
 $h \pm 2,5$ mm
 $v \pm 2,5$ mm
Number of Loops:
 (W) 10 (standard)
Fixing Holes: No. 4
Mass: 130 g to 160 g

BAR FIXING

L2: 4 Clearance Hole $\varnothing 6$
FL: 2 Countersink Hole $\varnothing 6$
 2 Clearance Hole $\varnothing 6$
F2: 4 Countersink Hole $\varnothing 6$
ML: 2 Threaded Insert M5
 2 Clearance Hole $\varnothing 6$
M2: 4 Threaded Insert M5
FM: 2 Countersink Hole $\varnothing 6$
 2 Threaded Insert M5

PWHS035 Series



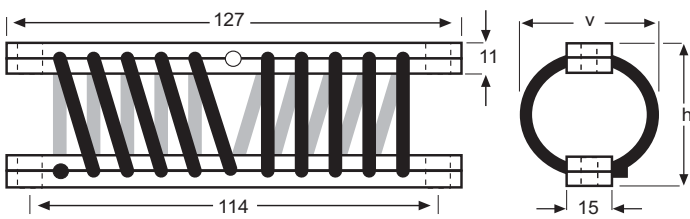
DIMENSIONS (mm)

Tolerances:
 Holes $\pm 0,3$ mm
 Center distances $\pm 0,5$ mm
 $h \pm 2,5$ mm
 $v \pm 2,5$ mm
Number of Loops:
 (W) 10 (standard)
Fixing Holes: No. 4
Mass: 130 g to 160 g

BAR FIXING

L2: 4 Clearance Hole $\varnothing 6$
FL: 2 Countersink Hole $\varnothing 6$
 2 Clearance Hole $\varnothing 6$
F2: 4 Countersink Hole $\varnothing 6$
ML: 2 Threaded Insert M5
 2 Clearance Hole $\varnothing 6$
M2: 4 Threaded Insert M5
FM: 2 Countersink Hole $\varnothing 6$
 2 Threaded Insert M5

PWHS048 Series



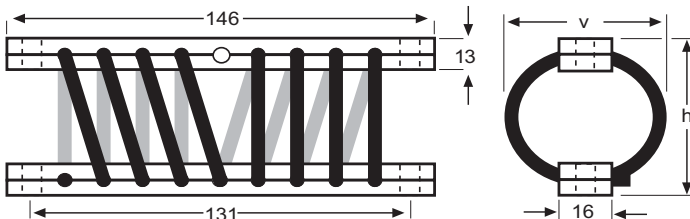
DIMENSIONS (mm)

Tolerances:
 Holes $\pm 0,3$ mm
 Center distances $\pm 0,5$ mm
 $h \pm 2,5$ mm
 $v \pm 2,5$ mm
Number of Loops:
 (W) 10 (standard)
Fixing Holes: No. 4
Mass: 250 g to 400 g

BAR FIXING

L2: 4 Clearance Hole $\varnothing 7$
FL: 2 Countersink Hole $\varnothing 7$
 2 Clearance Hole $\varnothing 7$
F2: 4 Countersink Hole $\varnothing 7$
ML: 2 Threaded Insert M6
 2 Clearance Hole $\varnothing 7$
M2: 4 Threaded Insert M6
FM: 2 Countersink Hole $\varnothing 7$
 2 Threaded Insert M6

PWHS063 Series



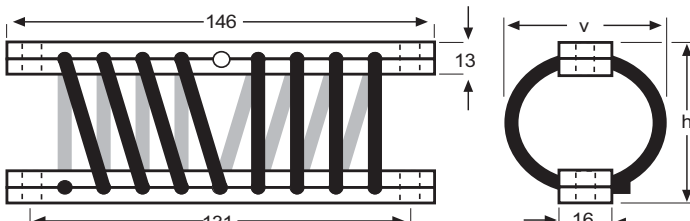
DIMENSIONS (mm)

Tolerances:
 Holes $\pm 0,3$ mm
 Center distances $\pm 0,5$ mm
 $h \pm 2,5$ mm
 $v \pm 3,5$ mm
Number of Loops:
 (W) 8 (standard)
Fixing Holes: No. 4
Mass: 400 g to 600 g

BAR FIXING

L2: 4 Clearance Hole $\varnothing 7$
FL: 2 Countersink Hole $\varnothing 7$
 2 Clearance Hole $\varnothing 7$
F2: 4 Countersink Hole $\varnothing 7$
ML: 2 Threaded Insert M6
 2 Clearance Hole $\varnothing 7$
M2: 4 Threaded Insert M6
FM: 2 Countersink Hole $\varnothing 7$
 2 Threaded Insert M6

PWHS080 Series



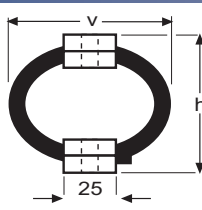
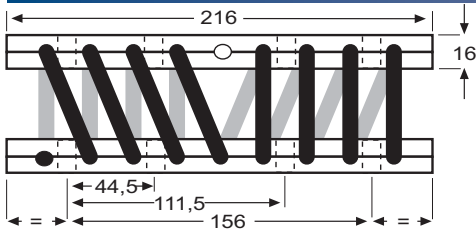
DIMENSIONS (mm)

Tolerances:
 Holes $\pm 0,3$ mm
 Center distances $\pm 0,5$ mm
 $h \pm 2,5$ mm
 $v \pm 3,5$ mm
Number of Loops:
 (W) 8 (standard)
Fixing Holes: No. 4
Mass: 450 g to 700 g

BAR FIXING

L2: 4 Clearance Hole $\varnothing 7$
FL: 2 Countersink Hole $\varnothing 7$
 2 Clearance Hole $\varnothing 7$
F2: 4 Countersink Hole $\varnothing 7$
ML: 2 Threaded Insert M6
 2 Clearance Hole $\varnothing 7$
M2: 4 Threaded Insert M6
FM: 2 Countersink Hole $\varnothing 7$
 2 Threaded Insert M6

PWHS095 Series



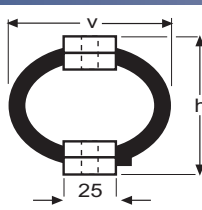
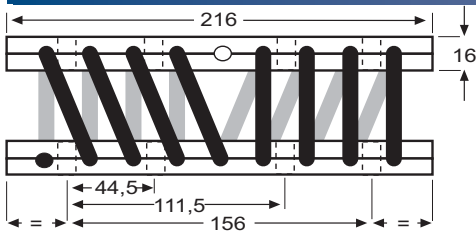
DIMENSIONS (mm)

Tolerances:
 Holes $\pm 0,3$ mm
 Center distances $\pm 0,5$ mm
 $h \pm 3,5$ mm
 $v \pm 5$ mm
Number of Loops:
 (W) 8 (standard)
Fixing Holes: No. 8
Mass: 1 kg to 1,5 kg

BAR FIXING

L2: 8 Clearance Hole $\varnothing 7$
FL: 4 Countersink Hole $\varnothing 7$
 4 Clearance Hole $\varnothing 7$
F2: 8 Countersink Hole $\varnothing 7$
ML: 4 Threaded Insert M6
 4 Clearance Hole $\varnothing 7$
M2: 8 Threaded Insert M6
FM: 4 Countersink Hole $\varnothing 7$
 4 Threaded Insert M6

PWHS110 Series



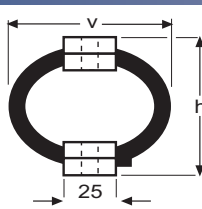
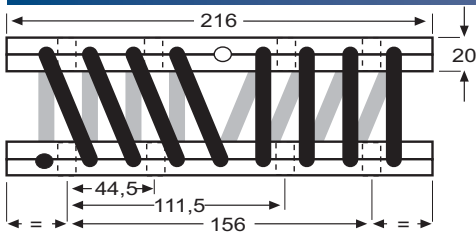
DIMENSIONS (mm)

Tolerances:
 Holes $\pm 0,3$ mm
 Center distances $\pm 0,5$ mm
 $h \pm 3,5$ mm
 $v \pm 5$ mm
Number of Loops:
 (W) 8 (standard)
Fixing Holes: No. 8
Mass: 1,2 kg to 1,8 kg

BAR FIXING

L2: 8 Clearance Hole $\varnothing 7$
FL: 4 Countersink Hole $\varnothing 7$
 4 Clearance Hole $\varnothing 7$
F2: 8 Countersink Hole $\varnothing 7$
ML: 4 Threaded Insert M6
 4 Clearance Hole $\varnothing 7$
M2: 8 Threaded Insert M6
FM: 4 Countersink Hole $\varnothing 7$
 4 Threaded Insert M6

PWHS125 Series



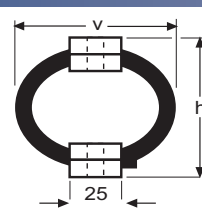
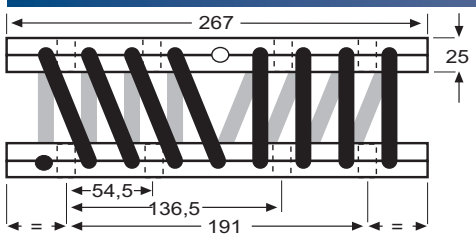
DIMENSIONS (mm)

Tolerances:
 Holes $\pm 0,3$ mm
 Center distances $\pm 0,5$ mm
 $h \pm 3,5$ mm
 $v \pm 5$ mm
Number of Loops:
 (W) 8 (standard)
Fixing Holes: No. 8
Mass: 1,6 kg to 2,5 kg

BAR FIXING

L2: 8 Clearance Hole $\varnothing 9$
FL: 4 Countersink Hole $\varnothing 9$
 4 Clearance Hole $\varnothing 9$
F2: 8 Countersink Hole $\varnothing 9$
ML: 4 Threaded Insert M8
 4 Clearance Hole $\varnothing 9$
M2: 8 Threaded Insert M8
FM: 4 Countersink Hole $\varnothing 9$
 4 Threaded Insert M8

PWHS160 Series



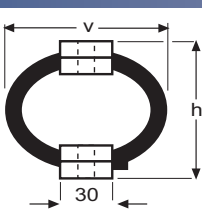
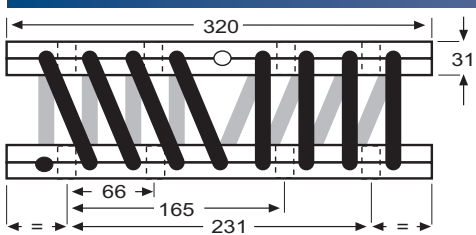
DIMENSIONS (mm)

Tolerances:
 Holes $\pm 0,3$ mm
 Center distances $\pm 0,5$ mm
 $h \pm 5$ mm
 $v \pm 5$ mm
Number of Loops:
 (W) 8 (standard)
Fixing Holes: No. 8
Mass: 2 kg to 3 kg

BAR FIXING

L2: 8 Clearance Hole $\varnothing 11$
FL: 4 Countersink Hole $\varnothing 11$
 4 Clearance Hole $\varnothing 11$
F2: 8 Countersink Hole $\varnothing 11$
ML: 4 Threaded Insert M10
 4 Clearance Hole $\varnothing 11$
M2: 8 Threaded Insert M10
FM: 4 Countersink Hole $\varnothing 11$
 4 Threaded Insert M10

PWHS190 Series



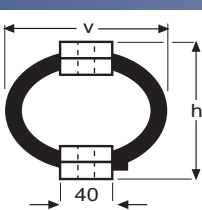
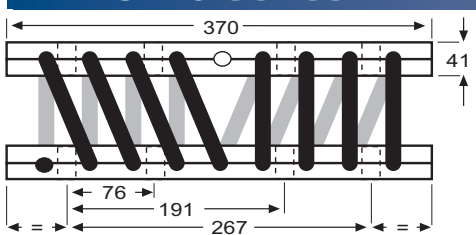
DIMENSIONS (mm)

Tolerances:
 Holes $\pm 0,3$ mm
 Center distances $\pm 0,5$ mm
 $h \pm 5$ mm
 $v \pm 5$ mm
Number of Loops:
 (W) 8 (standard)
Fixing Holes: No. 8
Mass: 2 kg to 3 kg

BAR FIXING

L2: 8 Clearance Hole $\varnothing 11$
FL: 4 Countersink Hole $\varnothing 11$
 4 Clearance Hole $\varnothing 11$
F2: 8 Countersink Hole $\varnothing 11$
ML: 4 Threaded Insert M10
 4 Clearance Hole $\varnothing 11$
M2: 8 Threaded Insert M10
FM: 4 Countersink Hole $\varnothing 11$
 4 Threaded Insert M10

PWHS220 Series



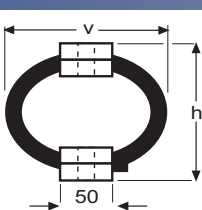
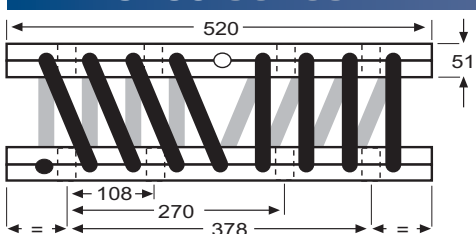
DIMENSIONS (mm)

Tolerances:
 Holes $\pm 0,3$ mm
 Center distances $\pm 0,5$ mm
 $h \pm 5$ mm
 $v \pm 7,5$ mm
Number of Loops:
 (W) 8 (standard)
Fixing Holes: No. 8
Mass: 10 kg to 12,5 kg

BAR FIXING

L2: 8 Clearance Hole $\varnothing 13$
FL: 4 Countersink Hole $\varnothing 13$
 4 Clearance Hole $\varnothing 13$
F2: 8 Countersink Hole $\varnothing 13$
ML: 4 Threaded Insert M12
 4 Clearance Hole $\varnothing 13$
M2: 8 Threaded Insert M12
FM: 4 Countersink Hole $\varnothing 13$
 4 Threaded Insert M12

PWHS285 Series



DIMENSIONS (mm)

Tolerances:
 Holes $\pm 0,3$ mm
 Center distances $\pm 0,5$ mm
 $h \pm 7,5$ mm
 $v \pm 10$ mm
Number of Loops:
 (W) 8 (standard)
Fixing Holes: No. 8
Mass: 15 kg to 20 kg

BAR FIXING

L2: 8 Clearance Hole $\varnothing 19$
FL: 4 Countersink Hole $\varnothing 19$
 4 Clearance Hole $\varnothing 19$
F2: 8 Countersink Hole $\varnothing 19$
ML: 4 Threaded Insert M18
 4 Clearance Hole $\varnothing 19$
M2: 8 Threaded Insert M18
FM: 4 Countersink Hole $\varnothing 19$
 4 Threaded Insert M18

PERFORMANCE

PWHS015 Series

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 01510-10	20	25	10	Max Static	daN	3.5	3.5	3.5	2.5	2.5
					mm	1.5	0.7	2.9	2.2	2.9
				Max Dinamic	daN	11.0	20.0	6.0	16.0	16.0
					mm	7.5	3.5	9.0	6.8	8.8
PWHS 01520-10	25	35	10	Max Static	daN	2.0	2.0	1.5	1.0	1.0
					mm	2.2	2.2	4.0	2.3	4.1
				Max Dinamic	daN	5.0	7.8	2.7	4.3	4.0
					mm	10.5	5.0	15.4	9.5	12.0

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 01530-10	35	40	10	Max Static	daN	1.5	1.5	1.0	0.8	0.8
					mm	3.7	2.5	7.0	7.0	8.5
				Max Dinamic	daN	4.0	9.8	2.5	3.0	2.8
					mm	24	8.0	35.0	14.6	20.0
PWHS 01540-10	40	45	10	Max Static	daN	1.3	1.3	0.8	0.6	0.6
					mm	4.2	2.8	7.7	7.5	9.5
				Max Dinamic	daN	3.8	8.8	2.0	2.6	2.3
					mm	27.0	10.0	40.0	17.6	22.0

PWHS024 Series

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 02410-10	20	30	10	Max Static	daN	10.0	10.0	10.0	5.0	5.0
					mm	1.4	1.2	2.5	1.7	1.5
				Max Dinamic	daN	30.5	28.0	18.8	34.3	32.0
					mm	6.0	3.4	8.0	7.0	7.0
PWHS 02420-10	25	30	10	Max Static	daN	10.0	10.0	10.0	5.0	5.0
					mm	1.8	1.3	2.6	2.0	2.2
				Max Dinamic	daN	32.0	33.5	18.8	34.5	34.5
					mm	8.8	4.1	11.0	8.2	8.7

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 02430-10	35	40	10	Max Static	daN	5.0	5.0	3.5	3.0	3.0
					mm	2.4	1.7	4.3	4.5	6.0
				Max Dinamic	daN	13.6	24.0	7.2	17.0	11.8
					mm	15.2	7.5	23.40	14.5	15.4
PWHS 02440-10	40	45	10	Max Static	daN	4.5	4.5	3.5	2.2	2.2
					mm	4.0	2.7	7.3	6.7	8.4
				Max Dinamic	daN	13.5	34.2	8.0	10.0	10.0
					mm	24.0	10.0	36.0	15.8	20.0

PWHS031 Series

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 03110-10	30	35	10	Max Static	daN	25.0	25.0	18.8	12.5	12.5
					mm	1.8	1.5	2.8	2.6	3.5
				Max Dinamic	daN	75.0	23.6	46.0	86.0	84.0
					mm	10	7.0	15.0	8.3	11.0
PWHS 03120-10	35	40	10	Max Static	daN	15.0	15.0	12.5	10.0	10.0
					mm	2.4	1.3	3.4	4.0	4.1
				Max Dinamic	daN	40.0	62.0	25.5	32.0	22.0
					mm	10.4	5.2	13.8	10.4	8.8

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 03130-10	40	45	10	Max Static	daN	15.0	15.0	11.0	8.0	8.0
					mm	4.4	1.9	6.0	5.7	5.6
				Max Dinamic	daN	36.0	75.0	18.0	33.0	26.3
					mm	17.2	7.0	18.2	14.3	13.5
PWHS 03140-10	45	50	10	Max Static	daN	13.8	13.8	10.5	7.0	7.0
					mm	4.3	3.0	7.5	6.4	8.5
				Max Dinamic	daN	41.5	111.0	25.0	42.0	34.0
					mm	24.0	11.0	36.0	24.4	22.0

PWHS035 Series

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 03510-10	30	35	10	Max Static	daN	25.0	25.0	20.0	12.5	12.5
					mm	1.8	1.2	2.2	2.2	2.5
				Max Dinamic	daN	78.5	59.0	50.0	70.0	57.00
					mm	8.3	2.6	11.3	8.2	8.1
PWHS 03520-10	35	40	10	Max Static	daN	20.0	20.0	12.5	11.0	11.0
					mm	3.0	2.8	3.0	4.1	5.0
				Max Dinamic	daN	57.0	45.0	31.5	68.0	62.0
					mm	13.7	4.8	17.0	16.0	15.0

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 03530-10	40	45	10	Max Static	daN	15.0	15.0	10.0	10.0	10.0
					mm	2.2	1.4	2.3	4.0	4.9
				Max Dinamic	daN	43.0	125.0	27.5	82.5	41.8
					mm	11.4	7.5	18.8	18.0	14.5
PWHS 03540-10	45	50	10	Max Static	daN	10.0	10.0	7.5	5.0	5.0
					mm	2.5	1.8	3.8	4.5	4.8
				Max Dinamic	daN	29.5	42.3	19.0	40.0	41.8
					mm	15.5	6.3	25.3	18.5	20.2

PWHS048 Series

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 04810-10	35	40	10	Max Static	daN	91.0	91.0	68.0	45.0	45.0
					mm	2.0	1.5	3.5	3.0	4.0
				Max Dinamic	daN	275.0	680.0	160.0	250.0	220.0
					mm	12.0	5.0	18.0	11.3	10.0
PWHS 04820-10	40	45	10	Max Static	daN	74.0	74.0	55.5	37.0	37.0
					mm	2.5	1.8	5.0	4.0	5.5
				Max Dinamic	daN	220.0	560.0	130.0	192.0	178.0
					mm	15.0	7.0	25.0	16.7	15.0
PWHS 04830-10	45	55	10	Max Static	daN	60.0	60.0	40.0	25.0	25.0
					mm	3.8	2.5	4.3	5.5	5.2
				Max Dinamic	daN	161.0	160.0	108.0	78.0	61.0
					mm	18.4	16.0	24.4	14.6	11.7

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 04840-10	55	65	10	Max Static	daN	40.5	40.5	30.2	20.0	20.0
					mm	5.5	3.8	9.0	7.9	10.0
				Max Dinamic	daN	122.0	337.0	72.8	115.0	104.0
					mm	30.0	15.0	45.0	30.0	28.0
PWHS 04850-10	65	75	10	Max Static	daN	25.0	25.0	18.8	12.5	12.5
					mm	6.0	5.5	10.0	8.5	11.2
				Max Dinamic	daN	74.8	285.0	47.5	100.0	88.0
					mm	32.0	29.0	48.0	44.5	41.0
PWHS 04860-10	85	95	10	Max Static	daN	20.0	20.0	12.5	6.3	6.3
					mm	11.3	5.8	12.5	10.0	10.0
				Max Dinamic	daN	55.0	85.0	25.0	28.5	29.0
					mm	54.0	20.0	65.0	40.0	40.0

DESCRIPTIONS

Standards

Cable: AISI 304 Stainless Steel

Retaining Bars: Aluminium Alloy - SurTec 650 Treatment

Clips: Stainless Steel (PWHS015 to PWHS035 Series)

Screws: A2 Stainless Steel (PWHS048 to PWHS285 Series)

Threaded Inserts: Stainless Steel

Optionals

Cable: AISI 316 Stainless Steel - Galvanized Iron

Retaining Bars: AISI 304/316 Stainless Steel

Screws: A4 Stainless Steel

CHARACTERISTICS

PWHS063 Series

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 06310-08	50	60	8	Max Static	daN/mm	60.0	60.0	50.0	40.0	40.0
					mm	3.0	2.1	5.5	3.5	4.5
				Max Dinamic	daN/mm	168.0	174.0	147.0	145.0	135.0
					mm	11.4	5.6	20.0	15.0	12.5
PWHS 06320-08	60	70	8	Max Static	daN/mm	50.0	50.0	40.0	30.0	30.0
					mm	4.1	2.3	6.3	7.3	6.7
				Max Dinamic	daN/mm	185.0	270.0	101.0	152.0	140.0
					mm	24.3	11.2	30.0	24.4	21.5
PWHS 06330-08	70	80	8	Max Static	daN/mm	40.0	40.0	30.0	20.0	20.0
					mm	4.3	3.0	5.0	6.8	6.1
				Max Dinamic	daN/mm	150.0	163.0	92.0	85.0	69.0
					mm	30.0	11.9	40.0	24.3	22.9

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 06340-08	80	90	8	Max Static	daN/mm	35.0	35.0	20.0	15.0	15.0
					mm	8.0	3.5	6.3	10.0	10.0
				Max Dinamic	daN/mm	112.0	164.0	56.5	75.0	83.5
					mm	43.0	15.3	56.0	35.0	39.3
PWHS 06350-08	90	100	8	Max Static	daN/mm	25.0	25.0	20.0	12.5	12.5
					mm	6.0	2.8	8.8	10.0	8.8
				Max Dinamic	daN/mm	93.0	82.5	45.5	70.0	60.0
					mm	46.5	13.2	46.8	40.0	37.8
PWHS 06360-08	85	110	8	Max Static	daN/mm	23.5	23.5	17.5	11.8	11.8
					mm	9.0	8.5	15.5	15.1	16.8
				Max Dinamic	daN/mm	70.0	255.0	44.5	90.0	78.5
					mm	48.0	40.0	72.0	63.2	60.0

PWHS080 Series

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 08010-08	50	60	8	Max Static	daN/mm	148.0	148.0	110.0	74.0	74.0
					mm	3.0	2.5	5.0	5.0	6.0
				Max Dinamic	daN/mm	444.0	1450.0	275.0	535.0	518.0
					mm	17.0	12.0	25.0	14.3	20.0
PWHS 08020-08	55	65	8	Max Static	daN/mm	125.0	125.0	92.5	61.5	61.5
					mm	4.0	3.5	7.0	6.3	8.0
				Max Dinamic	daN/mm	370.0	1155.0	230.0	413.0	385.0
					mm	23.0	15.0	35.0	21.2	25.0
PWHS 08030-08	60	70	8	Max Static	daN/mm	100.0	100.0	75.0	50.0	50.0
					mm	5.0	4.2	8.2	8.1	9.5
				Max Dinamic	daN/mm	300.0	981.0	186.0	347.0	323.0
					mm	27.0	20.0	41.0	26.4	30.0

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 08040-08	65	80	8	Max Static	daN/mm	80.0	80.0	60.0	40.0	40.0
					mm	5.8	5.2	9.5	9.3	10.8
				Max Dinamic	daN/mm	240.0	850.0	150.0	291.0	273.0
					mm	30.0	25.0	47.0	33.6	37.0
PWHS 08050-08	70	100	8	Max Static	daN/mm	51.5	51.5	38.5	25.8	2.5
					mm	6.5	6.2	10.5	10.2	2.9
				Max Dinamic	daN/mm	155.0	735.0	102.0	240.0	225.0
					mm	34.0	45.0	50.0	52.7	55.0
PWHS 08060-08	80	110	8	Max Static	daN/mm	50.0	50.0	37.5	2.5	2.5
					mm	9.0	8.2	15.5	2.2	2.9
				Max Dinamic	daN/mm	150.0	542.0	95.0	187.0	165.0
					mm	48.0	40.0	72.0	56.3	58.0

PWHS095 Series

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 09510-08	75	90	8	Max Static	daN/mm	115.0	115.0	100.0	75.0	75.0
					mm	5.0	1.5	7.5	8.2	11.0
				Max Dinamic	daN/mm	500.0	800.0	255.0	240.0	345.0
					mm	35.8	6.7	41.0	22.0	30.5
PWHS 09520-08	90	110	8	Max Static	daN/mm	90.0	90.0	75.0	50.0	50.0
					mm	5.0	3.0	10.0	9.5	10.0
				Max Dinamic	daN/mm	335.0	170.0	185.0	240.0	212.5
					mm	35.0	6.3	54.5	33.0	33.0
PWHS 09530-08	100	115	8	Max Static	daN/mm	87.5	87.5	50.0	40.0	40.0
					mm	10.0	5.8	9.3	13.0	13.0
				Max Dinamic	daN/mm	307.5	270.0	157.0	156.0	142.0
					mm	58.0	16.9	63.5	38.8	40.5

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 09540-08	110	135	8	Max Static	daN/mm	75.0	75.0	40.0	35.0	35.0
					mm	11.0	2.0	9.0	12.5	16.3
				Max Dinamic	daN/mm	283.0	360.0	133.0	232.5	187.5
					mm	75.0	47.5	88.0	62.5	63.5
PWHS 09550-08	125	145	8	Max Static	daN/mm	56.0	56.0	40.0	28.0	28.0
					mm	14.5	10.0	26.0	26.0	28.8
				Max Dinamic	daN/mm	168.0	442.0	100.0	142.0	127.0
					mm	82.0	35.0	122.0	66.5	72.0
PWHS 09560-08	135	155	8	Max Static	daN/mm	50.0	50.0	37.5	25.0	25.0
					mm	16.0	11.0	29.0	30.0	32.0
				Max Dinamic	daN/mm	150.0	395.0	90.0	130.0	112.0
					mm	90.0	40.0	137.0	77.1	80.0

PWHS110 Series

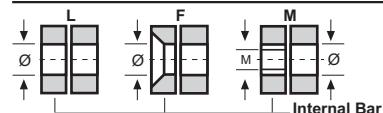
P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 11010-08	75	90	8	Max Static	daN/mm	295.0	295.0	220.0	148.0	148.0
					mm	7.0	5.0	11.5	9.1	13.0
				Max Dinamic	daN/mm	880.0	2430.0	530.0	820.0	760.0
					mm	37.0	20.0	55.0	28.4	35.0
PWHS 11020-08	90	110	8	Max Static	daN/mm	215.0	215.0	160.0	108.0	108.0
					mm	9.0	6.5	16.0	15.1	17.5
				Max Dinamic	daN/mm	640.0	1790.0	385.0	581.0	540.0
					mm	50.0	28.0	75.0	42.6	47.0
PWHS 11030-08	105	125	8	Max Static	daN/mm	178.0	178.0	134.0	89.0	89.0
					mm	11.5	8.0	21.0	20.0	23.0
				Max Dinamic	daN/mm	530.0	1398.0	315.0	438.0	408.0
					mm	65.0	30.0	98.0	54.3	58.0

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 11040-08	110	145	8	Max Static	daN/mm	135.0	135.0	100.0	67.0	67.0
					mm	12.5	10.0	22.5	22.1	24.0
				Max Dinamic	daN/mm	400.0	1255.0	250.0	417.0	375.0
					mm	68.0	45.0	102.0	67.3	70.0
PWHS 11050-08	125	145	8	Max Static	daN/mm	135.0	135.0	102.0	67.5	67.5
					mm	15.0	10.0	27.0	25.1	29.0
				Max Dinamic	daN/mm	405.0	1070.0	240.0	336.0	308.0
					mm	82.0	40.0	125.0	73.0	75.0
PWHS 11060-08	135	155	8	Max Static	daN/mm	120.0	120.0	90.0	61.0	61.0
					mm	11.0	11.0	30.0	30.1	32.0
				Max Dinamic	daN/mm	362.0	955.0	215.0	290.0	272.0
					mm	90.0	40.0	140.0	78.2	80.0

CHARACTERISTICS

Quality Factor: <3
 Equivalent Viscous Critical Damping Ratio: 0,10 to 0,20
 Working Frequencies: Depend on Weight and Input level
 Working Configuration: Every ortogonal direction
 Operating Temperature: -180 C to +300 C

BAR FIXING



PWHS125 Series

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 12510-08	75	90	8	Max Static	daN/mm	350.0	350.0	300.0	125.0	125.0
					mm	6.6	3.7	10.0	4.8	5.2
				Max Dinamic	daN/mm	1040.0	1300.0	775.0	665.0	385.0
					mm	25.0	10.3	43.0	18.4	15.4
PWHS 12520-08	90	105	8	Max Static	daN/mm	300.0	300.0	200.0	125.0	125.0
					mm	8.3	5.0	8.8	8.3	10.4
				Max Dinamic	daN/mm	1220.0	1700.0	485.0	530.0	275.0
					mm	53.0	18.3	40.0	27.5	21.7
PWHS 12530-08	95	120	8	Max Static	daN/mm	250.0	250.0	175.0	112.5	112.5
					mm	10.0	5.0	10.8	9.0	10.3
				Max Dinamic	daN/mm	745.0	750.0	375.0	310.0	165.0
					mm	40.0	14.0	39.5	20.7	15.5

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 12540-08	125	145	8	Max Static	daN/mm	235.0	235.0	175.0	110.0	110.0
					mm	13.5	9.0	25.0	23.1	25.0
				Max Dinamic	daN/mm	710.0	475.0	425.0	650.0	560.0
					mm	75.0	23.0	115.0	70.0	65.0
PWHS 12550-08	135	155	8	Max Static	daN/mm	205.0	205.0	155.0	100.0	100.0
					mm	15.5	10.5	28.0	8.0	30.0
				Max Dinamic	daN/mm	615.0	1650.0	370.0	530.0	480.0
					mm	85.0	40.0	130.0	82.0	78.0
PWHS 12560-08	110	150	8	Max Static	daN/mm	175.0	175.0	125.0	70.0	70.0
					mm	17.5	9.0	16.3	12.0	11.5
				Max Dinamic	daN/mm	550.0	475.0	255.0	225.0	138.0
					mm	70.0	23.0	52.5	38.5	24.8

PWHS160 Series

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 16010-08	100	110	8	Max Static	daN/mm	500.0	500.0	450.0	250.0	250.0
					mm	5.8	2.5	7.5	6.0	9.0
				Max Dinamic	daN/mm	1290.0	3375.0	1100.0	665.0	430.0
					mm	21.3	15.0	35.0	18.0	18.0
PWHS 16020-08	100	125	8	Max Static	daN/mm	500.0	500.0	400.0	250.0	250.0
					mm	7.5	4.5	10.0	8.0	9.3
				Max Dinamic	daN/mm	2125.0	2875.0	1020.0	550.0	835.0
					mm	51.0	20.5	50.0	21.7	30.0
PWHS 16030-08	110	135	8	Max Static	daN/mm	450.0	450.0	350.0	225.0	225.0
					mm	10.0	8.3	12.5	11.0	13.8
				Max Dinamic	daN/mm	1330.0	1710.0	810.0	600.0	778.0
					mm	43.0	25.0	51.0	32.5	40.0

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 16040-08	125	150	8	Max Static	daN/mm	420.0	420.0	315.0	210.0	210.0
					mm	11.0	10.0	19.0	19.1	20.5
				Max Dinamic	daN/mm	1262.0	4398.0	795.0	1550.0	1440.0
					mm	60.0	48.0	90.0	78.2	70.0
PWHS 16050-08	135	180	8	Max Static	daN/mm	320.0	320.0	242.0	162.0	162.0
					mm	13.5	12.5	24.5	24.7	26.0
				Max Dinamic	daN/mm	970.0	3500.0	615.0	1150.0	1090.0
					mm	75.0	62.0	110.0	99.0	90.0
PWHS 16060-08	145	185	8	Max Static	daN/mm	310.0	310.0	235.0	155.0	155.0
					mm	15.5	13.5	28.0	27.1	29.0
				Max Dinamic	daN/mm	935.0	3120.0	585.0	1010.0	965.0
					mm	85.0	62.0	125.0	103.0	95.0

PWHS190 Series

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 19010-08	105	125	8	Max Static	daN/mm	1000.0	1.000	748.0	500.0	500.0
					mm	7.0	6.0	12.5	12.0	13.5
				Max Dinamic	daN/mm	2990.0	9665.0	1855.0	3463.0	3350.0
					mm	40.0	28.0	60.0	31.0	42.0
PWHS 19020-08	125	160	8	Max Static	daN/mm	640.0	640.0	480.0	320.0	320.0
					mm	10.5	9.5	19.0	19.0	20.5
				Max Dinamic	daN/mm	1920.0	6750.0	1208.0	2272.0	2195.0
					mm	58.0	47.0	90.0	60.0	68.0

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 19030-08	145	185	8	Max Static	daN/mm	510.0	510.0	385.0	255.0	255.0
					mm	14.0	12.5	25.5	25.0	26.5
				Max Dinamic	daN/mm	1530.0	5230.0	960.0	1695.0	1642.0
					mm	75.0	60.0	115.0	82.0	90.0
PWHS 19040-08	175	215	8	Max Static	daN/mm	410.0	410.0	310.0	205.0	205.0
					mm	19.0	15.5	35.0	33.0	35.0
				Max Dinamic	daN/mm	1235.0	3900.0	760.0	1250.0	1190.0
					mm	105.0	68.0	155.0	103.0	110.0

PWHS220 Series

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 22010-08	150	185	8	Max Static	daN/mm	1000.0	1000.0	750.0	300.0	300.0
					mm	9.0	8.8	11.5	6.0	5.8
				Max Dinamic	daN/mm	2875.0	3375.0	1750.0	800.0	1030.0
					mm	55.0	29.0	57.0	24.4	36.0

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 22030-08	160	195	8	Max Static	daN/mm	1000.0	1000.0	500.0	400.0	400.0
					mm	13.8	10.0	12.5	13.8	14.0
				Max Dinamic	daN/mm	2600.0	3600.0	1390.0	1100.0	1500.0
					mm	64.5	40.0	55.0	50.0	60.0

PWHS285 Series

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 28510-08	185	210	8	Max Static	daN/mm	1850.0	1850.0	1380.0	920.0	920.0
					mm	13.0	11.0	23.0	22.6	24.0
				Max Dinamic	daN/mm	5530.0	18770.0	3460.0	6650.0	6500.0
					mm	70.0	52.0	10.0	66.0	77.0

P/Number	h	v	W	F	▼	▲	▲ ⁴⁵	▲	▲	
PWHS 28520-08	215	240	8	Max Static	daN/mm	1620.0	1620.0	1215.0	810.0	810.0
					mm	20.0	13.5	35.0	34.1	36.0
				Max Dinamic	daN/mm	4860.0	13580.0	2925.0	4390.0	4280.0
					mm	105.0	53.0	155.0	86.0	95.0

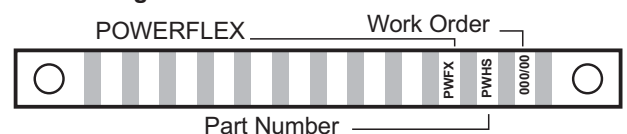
REFERENCES

For Example, Part Number:

PWHS22010-08M2 — Bar Fixing
 _____ Series _____ Type _____ Number of Loops (W)

IDENTIFICATIONS

Internal Bar Marking:



Powerflex Srl

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82030 LIMATOLA (BN)
ITALY

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W www.powerflex.it

E info@powerflex.it



SINCERT



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UNI EN ISO 9001:2000

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