

Models 010, 031, 040, 030, 035, 045, 015

Product Description

Product Specification

Model No	Description	Orientation	Run Pipe Nominal Size, in	Run Pipe Reference	Horizontal Load Ratings Installation Angle 30°-44°		Horizontal Load Ratings Installation Angle 45°-59°		Horizontal Load Ratings Installation Angle 60°-74°		Horizontal Load Ratings Installation Angle 75°-90°		Remarks
					lb	(N)	lb	(N)	lb	(N)	lb	(N)	
010	Rod Body	Lateral	1	LW, 10, 40	340	(1510)	480	(2140)	590	(2620)	660	(2940)	a, c, d
010	Rod Body	Lateral	1 1/4	LW, 10, 40	350	(1560)	500	(2220)	610	(2710)	680	(3020)	a, c, d
010	Rod Body	Lateral	1 1/2	LW, 10, 40	290	(1290)	420	(1870)	510	(2270)	570	(2540)	a, c, d
010	Rod Body	Lateral	2	LW, 10, 40	390	(1730)	550	(2450)	670	(2980)	750	(3340)	a, c, d
010	Rod Body	Lateral	2 1/2	LW, 10, 40	440	(1960)	620	(2760)	760	(3380)	850	(3780)	a, c, d
010	Rod Body	Lateral	3	LW, 10, 40	470	(2090)	660	(2940)	810	(3600)	910	(4050)	a, c, d
010	Rod Body	Lateral	4	LW, 10, 40	430	(1910)	610	(2710)	750	(3340)	840	(3740)	a, c, d
010	Rod Body	Lateral	6	LW, 10, 40	250	(1110)	350	(1560)	430	(1910)	480	(2140)	c, d, g
031	Pipe attached	Lateral	2, 2 1/2, 3, 3 1/2, 4, 5, 6, 8	LW, 10, 40	1270	(5650)	1800	(8010)	2200	(9790)	2460	(10940)	b, c, d
031	Pipe attached	Longitudinal	2	LW, 10, 40	1370	(6090)	1930	(8590)	2370	(10540)	2810	(12500)	b, c, d
031	Pipe attached	Longitudinal	2 1/2	LW, 10, 40	1500	(6670)	2120	(9430)	2600	(11570)	2900	(12900)	b, c, d
031	Pipe attached	Longitudinal	3, 3 1/2, 4, 5	LW, 10, 40	1370	(6090)	1930	(8590)	2370	(10540)	2810	(12500)	b, c, d



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					lb	(N)	lb	(N)	lb	(N)	lb	(N)	
031	Pipe attached	Longitudinal	6	LW, 10, 40	1410	(6270)	2000	(8900)	2450	(10900)	2730	(12140)	b, c, d
031	Pipe attached	Longitudinal	8	LW, 10, 40	1320	(5870)	1870	(8320)	2290	(10190)	2550	(11340)	b, c, d
031	Pipe attached	lat. or long. with flat or angle brace	2, 2 1/2, 3, 3 1/2, 4, 5, 6, 8	LW, 10, 40	900	(4000)	1280	(5690)	1570	(6980)	1750	(7780)	c, d, e
031	Pipe attached	lat. or long. with strut brace	2, 2 1/2, 3, 3 1/2, 4, 5, 6, 8	LW, 10, 40	1070	(4760)	1440	(6410)	1740	(7740)	1940	(8630)	c, d, f
040	Pipe attached	Lateral	2	LW, 10, 40	1070	(4760)	1520	(6760)	1860	(8270)	2080	(9250)	c, d
040	Pipe attached	Lateral	2 1/2, 3, 3 1/2, 4, 5	LW, 10, 40	960	(4270)	1360	(6050)	1670	(7430)	1860	(8270)	c, d
040	Pipe attached	Lateral	6	LW, 10, 40	1000	(4450)	1420	(6320)	1740	(7740)	1940	(8630)	c, d
040	Pipe attached	Lateral	8	LW, 10, 40	1350	(6010)	1900	(8450)	2330	(10360)	2600	(11570)	c, d
040	Pipe attached	Longitudinal	2	LW, 10, 40	1260	(5600)	1440	(6410)	1740	(7740)	1940	(8630)	c, d
040	Pipe attached	Longitudinal	2 1/2, 3, 3 1/2	LW, 10, 40	1000	(4450)	1420	(6320)	1740	(7740)	1940	(8630)	c, d
040	Pipe attached	Longitudinal	4, 5	LW, 10, 40	1110	(4940)	1490	(6630)	1800	(8010)	1920	(8540)	c, d
040	Pipe attached	Longitudinal	6	LW, 10, 40	1280	(5690)	1810	(8050)	2210	(9830)	2470	(10990)	c, d
040	Pipe attached	Longitudinal	8	LW, 10, 40	1160	(5160)	1650	(7340)	2020	(8990)	2250	(10010)	c, d



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					lb	(N)	lb	(N)	lb	(N)	lb	(N)	
015	Pipe Attachment	Lateral	2 1/2	LW, 10, 40	1020	(4540)	1440	(6410)	1770	(7870)	1970	(8760)	a, c, d
015	Pipe Attachment	Lateral	3	LW, 10, 40	1080	(4800)	1530	(6810)	1870	(8320)	2090	(9300)	a, c, d
015	Pipe Attachment	Lateral	4	LW, 10, 40	1020	(4540)	1450	(6450)	1770	(7870)	1980	(8810)	a, c, d
015	Pipe Attachment	Lateral	6	LW, 10, 40	640	(2850)	900	(4000)	1110	(4940)	1240	(5520)	a, c, d
015	Pipe Attachment	Lateral	8	LW, 10, 40	570	(2540)	810	(3600)	990	(4400)	1100	(4890)	a, c, d
030	Swivel	N/A	N/A	N/A	1270	(5650)	2040	(9070)	2450	(10900)	2740	(12190)	b
030	Swivel	N/A	N/A	N/A	900	(4000)	1280	(5690)	1570	(6980)	1750	(7780)	e
030	Swivel	N/A	N/A	N/A	1070	(4760)	1440	(6410)	1740	(7740)	1940	(8630)	f
035	Bar Joist Clamp	lateral	1/8-3/8 steel thickness	N/A	1040	(4630)	1490	(6630)	1800	(8010)	2010	(8940)	
035	Bar Joist Clamp	longitudinal	1/8-3/8 steel thickness	N/A	970	(4310)	1370	(6090)	2060	(9160)	2300	(10230)	
035	Bar Joist Clamp as beam clamp	lateral	1/8-3/8 steel thickness	N/A	1150	(5120)	1660	(7380)	1990	(8850)	2220	(9880)	
045	Beam Clamp	lateral	3/8-1 1/4 steel thickness	N/A	1150	(5120)	1800	(8010)	2230	(9920)	2460	(10940)	
045	Beam Clamp	longitudinal	3/8-1 1/4 steel thickness	N/A	900	(4000)	1050	(4670)	1260	(5600)	1410	(6270)	



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Remarks:

- a. FM Approved when used with 1 or 1 1/4 inch Sch. 40, GB/T3091, EN10255H or JISG3454 brace pipe.
- b. FM Approved when used with 1 to 2 inch Sch. 40, GB/T3091, EN10255H or JISG3454 brace pipe
- c. Load rating for LW above refers to FM Approved Lightwall pipe, commonly referred to as Sch. 7. These ratings may also be applied to EN10220 and GB/T 8163 pipe.
- d. Load rating for Sch. 10 above may be applied to GB/T 3091, GB/T 3092, EN 10255 M and H, JIS G3452, FM Approved Thinwall and Sch. 40 pipe.
- e. FM Approved with brace element of structural steel 1/4 to 3/8 inch thick.
- f. FM Approved with brace element of PHD 1001 or 1201 Series strut
- g. FM Approved when used with 1 1/4 inch Sch. 40, GB/T3091, EN10255H or JISG3454 brace pipe.

Details

Category	Seismic Sway Brace Components
Class of Work	1950 - Seismic Sway Brace Comp
Approval Standard	FM 1950 - Seismic Sway Braces for Pipe, Tubing and Conduit
Certification Type	FM Approved
Listing Country	United States of America

Company

PHD Mfg Inc
 44018 Columbiana-Waterford Rd,
 Columbiana, Ohio 44408-9481
 United States of America
<http://phd-mfg.com/>