

IMPACT RESISTANCE

The minimum impact resistance values for the conduit shall be as shown in the table below when tested in accordance with ASTM D2444.

Nominal Size	At 73.4°F (23°C) Impact Resistance lbs. ft. (Nm)				At 32.4°F (0°C) Impact Resistance lbs. ft. (Nm)			
	SW	MW	HW	XW	SW	MW	HW	XW
¾	8 (11)	-- --	-- --	50 (68)	8 (11)	-- --	-- --	50 (68)
1	12 (16)	-- --	-- --	160 (215)	12 (16)	-- --	-- --	160 (215)
1¼	12 (16)	-- --	-- --	160 (215)	12 (16)	-- --	-- --	160 (215)
1½	14 (19)	-- --	-- --	175 (235)	14 (19)	-- --	-- --	175 (235)
2	16 (22)	-- --	-- --	200 (270)	16 (22)	-- --	-- --	200 (270)
2½	19 (26)	-- --	-- --	210 (285)	19 (26)	-- --	-- --	210 (285)
3	22 (30)	-- --	-- --	245 (330)	22 (30)	-- --	-- --	245 (330)
3½	28 (38)	-- --	-- --	300 (405)	28 (38)	-- --	-- --	300 (405)
4	32 (43)	-- --	40 (54)	350 (470)	32 (43)	-- --	40 (54)	350 (470)
5	-- --	54 (73)	60 (81)	420 (565)	-- --	54 (73)	60 (81)	420 (565)
6	-- --	66 (89)	72 (98)	455 (615)	-- --	66 (89)	72 (98)	455 (615)

STIFFNESS

The minimum conduit stiffness at five percent deflection for all sizes of conduit shall not be less than the values given in table below when tested in accordance with ASTM D2412

Pipe Stiffness (PS) = (F/ΔY)								
Nominal Size	At 73.4°F (23°C) lbf/in ² (MPa)				At 32°F (0°C) lbf/in ² (MPa)			
	SW	MW	HW	XW	SW	MW	HW	XW
¾	270 (1.9)	-- --	-- --	1,300 (9.1)	270 (1.9)	-- --	-- --	1,300 (9.1)
1	220 (1.5)	-- --	-- --	1,100 (7.7)	220 (1.5)	-- --	-- --	1,100 (7.7)
1¼	175 (1.2)	-- --	-- --	875 (6.1)	175 (1.2)	-- --	-- --	875 (6.1)
1½	155 (1.1)	-- --	-- --	775 (5.4)	155 (1.1)	-- --	-- --	775 (5.4)
2	105 (0.70)	-- --	-- --	525 (3.7)	105 (0.70)	-- --	-- --	525 (3.7)
2½	65 (0.40)	-- --	-- --	325 (2.3)	65 (0.40)	-- --	-- --	325 (2.3)
3	45 (0.32)	-- --	-- --	225 (1.6)	45 (0.32)	-- --	-- --	225 (1.6)
3½	40 (0.28)	-- --	-- --	200 (1.4)	40 (0.28)	-- --	-- --	200 (1.4)
4	35 (0.24)	-- --	50 (0.35)	175 (1.2)	35 (0.24)	-- --	50 (0.35)	175 (1.2)
5	-- --	35 (0.24)	38 (0.26)	125 (0.88)	-- --	35 (0.24)	38 (0.26)	125 (0.88)
6	-- --	25 (0.18)	28 (0.19)	50 (0.35)	-- --	25 (0.18)	28 (0.19)	50 (0.35)