



Pronto-Lock® III

Centron now offers the Pronto-Lock III end connector in 3" and 4" sizes. With the assembly characteristics of CEN & the pressure capability of SP, Pronto-Lock III provides top performance.



[APPLICATIONS]

- Flow Lines
- Injection Lines
- Gas Gathering & Transport Lines
- Recirculating Lines
- Solution Mining
- Water Processing

Centron® SP Series Surface Pipe, with its unique high strength threaded joint, makes it the choice for corrosive oil field and other demanding fluid transport applications requiring low to high pressure 1-1/2 to 6 inch pipe. Centron's Quality System is certified to API Specification Q1 and ISO 9001, assuring customers of the highest quality products in the industry.

JOINING SYSTEM > FEATURES

- Multiple seal for high reliability — threads and O-ring
- Coarse threads (4-inch) — no cross threading — hi-strength. No thrust blocks required
- Patented non-galling, composite threads available
- Make-up to specified torque or position
- No special tools required for installation

FEATURES >

- Balanced filament wound construction using only the highest quality raw materials and modern manufacturing equipment
- Centron's complete line of fittings and adapters have the same safety factors as the pipe and are manufactured with the same high quality raw materials to provide complete reliability throughout the pipeline system.

ADVANTAGES >

- About 1/4 the weight of steel
- Assemble in any weather—no adhesive required
- Superior flow characteristics
- Coarse threads—no cross threading
- Excellent corrosion resistance
- Exceptional pressure capabilities
- Low installation costs
- Low paraffin and scale build-up



**Q1, 15LR, 15HR
ISO 9001**

Centron International Inc. manufactures a complete line of fiberglass surface pipe, line pipe, tubing, casing and associated fittings. See your Centron distributor or call Centron International Inc. for all your fiberglass tubular product needs.

	Nominal Size Inches (mm)	Series/ Rating @ 100°F (38°C)	Static Pressure Rating (PSI)			Nominal O.D. Inches (mm)	Nominal I.D. Inches (mm)	Wall Thickness Inches (mm)	Nominal Box O.D. Inches (mm)	Weight Lbs/Ft (Kg/M)
			125°F (52°C)	150°F (65°C)	180°F (82°C)					
	1 1/2 (40)	SP 1100	1000	900	800	1.720 (43.7)	1.6 (40.6)	0.060 (1.5)	2.68 (86.1)	0.26 (0.39)
		SP 1250	1150	1050	900	1.740 (44.2)	1.6 (40.6)	0.070 (1.8)	2.72 (69.1)	0.31 (0.46)
		SP 1500	1400	1250	1150	1.780 (45.2)	1.6 (40.6)	0.090 (2.3)	2.78 (70.6)	0.40 (0.60)
		SP 2000	1850	1650	1500	1.840 (46.7)	1.6 (40.6)	0.120 (3.0)	2.90 (73.7)	0.55 (0.82)
		SP 2500	2300	2100	1850	1.900 (48.3)	1.6 (40.6)	0.150 (3.8)	3.00 (76.2)	0.70 (1.04)
		SP 3000	2750	2500	2250	1.960 (49.8)	1.6 (40.6)	0.180 (4.6)	3.10 (78.7)	0.85 (1.27)
		SP 3500	3200	2900	2500	2.020 (51.3)	1.6 (40.6)	0.210 (5.3)	3.15 (80.0)	1.01 (1.50)
	2 (50)	SP 900	850	750	650	2.070 (52.6)	1.95 (49.5)	0.060 (1.5)	3.20 (81.5)	0.32 (0.48)
		SP 1000	950	850	750	2.090 (53.1)	1.95 (49.5)	0.070 (1.8)	3.23 (82.6)	0.38 (0.56)
		SP 1250	1150	1050	900	2.120 (53.8)	1.95 (49.5)	0.085 (2.2)	3.28 (83.3)	0.46 (0.68)
		SP 1500	1400	1250	1150	2.170 (55.1)	1.95 (49.5)	0.110 (2.8)	3.30 (83.8)	0.60 (0.90)
		SP 2000	1850	1650	1500	2.230 (56.6)	1.95 (49.5)	0.140 (3.6)	3.38 (85.9)	0.78 (1.16)
		SP 2500	2300	2100	1850	2.310 (58.7)	1.95 (49.5)	0.180 (4.6)	3.45 (87.6)	1.02 (1.52)
		SP 3000	2750	2500	2250	2.390 (60.7)	1.95 (49.5)	0.220 (5.6)	3.55 (90.2)	1.27 (1.89)
	2 1/2 (65)	SP 700	650	550	500	2.600 (66.0)	2.48 (63.0)	0.060 (1.5)	3.80 (96.5)	0.40 (0.60)
		SP 850	800	700	625	2.620 (66.5)	2.48 (63.0)	0.070 (1.8)	3.90 (99.1)	0.47 (0.71)
		SP 1000	950	850	750	2.660 (67.6)	2.48 (63.0)	0.090 (2.3)	3.95 (100.0)	0.61 (0.91)
		SP 1250	1150	1050	900	2.700 (68.6)	2.48 (63.0)	0.110 (2.8)	4.00 (101.6)	0.76 (1.13)
		SP 1500	1400	1250	1150	2.740 (69.6)	2.48 (63.0)	0.130 (3.3)	4.05 (103.0)	0.90 (1.34)
		SP 2000	1850	1650	1500	2.840 (72.1)	2.48 (63.0)	0.180 (4.6)	4.15 (105.0)	1.27 (1.89)
		SP 2500	2300	2100	1850	2.940 (74.7)	2.48 (63.0)	0.230 (5.8)	4.25 (108.0)	1.65 (2.46)
	3 (75)	SP 3000	2750	2500	2250	3.040 (77.2)	2.48 (63.0)	0.280 (7.1)	4.35 (110.5)	2.05 (3.06)
		SP 3500	3200	2900	2500	3.140 (79.8)	2.48 (63.0)	0.330 (8.4)	4.40 (111.8)	2.46 (3.67)
		SP 700	650	550	500	3.120 (79.2)	2.98 (75.7)	0.070 (1.8)	4.35 (110.5)	0.57 (0.84)
		SP 850	800	700	625	3.160 (80.3)	2.98 (75.7)	0.090 (2.3)	4.50 (114.0)	0.73 (1.09)
		SP 1000	950	850	750	3.200 (81.3)	2.98 (75.7)	0.110 (2.8)	4.55 (115.6)	0.90 (1.34)
		SP 1250	1150	1050	900	3.240 (82.3)	2.98 (75.7)	0.130 (3.3)	4.60 (116.8)	1.07 (1.60)
		SP 1500	1400	1250	1150	3.300 (83.8)	2.98 (75.7)	0.160 (4.1)	4.65 (118.1)	1.33 (1.99)
	4 (100)	SP 2000	1850	1650	1500	3.420 (86.9)	2.98 (75.7)	0.220 (5.6)	4.80 (121.9)	1.87 (2.78)
		SP 2500	2300	2100	1850	3.520 (89.4)	2.98 (75.7)	0.270 (6.9)	4.90 (124.5)	2.33 (3.47)
		SP 3000	2750	2500	2250	3.640 (92.5)	2.98 (75.7)	0.330 (8.4)	5.00 (127.0)	2.90 (4.32)
		SP 700	650	550	500	4.180 (106.2)	3.98 (101.1)	0.100 (2.5)	5.43 (138.0)	1.08 (1.61)
		SP 850	800	700	625	4.230 (107.4)	3.98 (101.1)	0.125 (3.2)	5.58 (141.7)	1.36 (2.03)
		SP 1000	950	850	750	4.260 (108.2)	3.98 (101.1)	0.140 (3.6)	5.62 (142.7)	1.53 (2.28)
		SP 1250	1150	1050	900	4.340 (110.2)	3.98 (101.1)	0.180 (4.6)	5.72 (145.3)	1.99 (2.96)
	5 (125)	SP 1500	1400	1250	1150	4.400 (111.8)	3.98 (101.1)	0.210 (5.3)	5.80 (147.3)	2.34 (3.48)
		SP 600	550	500	450	5.050 (128.3)	4.85 (123.2)	0.100 (2.5)	6.25 (155.8)	1.31 (1.96)
		SP 800	750	650	550	5.130 (130.3)	4.85 (123.2)	0.140 (3.6)	6.35 (161.3)	1.85 (2.76)
		SP 1000	950	850	750	5.190 (131.8)	4.85 (123.2)	0.170 (4.3)	6.40 (162.5)	2.26 (3.37)
		SP 1250	1150	1050	900	5.270 (133.9)	4.85 (123.2)	0.210 (5.3)	6.50 (165.1)	2.82 (4.20)
	6 (150)	SP 1500	1400	1250	1150	5.370 (136.4)	4.85 (123.2)	0.260 (6.6)	6.60 (167.6)	3.53 (5.25)
		SP 350	325	300	250	6.550 (166.4)	6.4 (162.6)	0.075 (1.9)	7.89 (200.4)	1.29 (1.92)
		SP 500	450	400	350	6.620 (168.1)	6.4 (162.6)	0.110 (2.8)	8.00 (203.2)	1.90 (2.83)
		SP 800	750	650	550	6.760 (171.7)	6.4 (162.6)	0.180 (4.6)	8.15 (207.0)	3.14 (4.68)
		SP 1000	950	850	750	6.840 (173.7)	6.4 (162.6)	0.220 (5.6)	8.25 (209.6)	3.76 (5.76)

Pronto-
Lock®III
Available

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1. Pipe Ratings are based on currently available long term and other test data. In all cases, chemical compatibility must be considered along with all other known operating conditions in selecting the proper piping system for a given service.
 2. Joint length: 29.5 feet (9.0 M).
 3. Make-up length 29.12 feet (8.87 M).

Nominal Size Inches (mm)	Series/ Rating	Minimum Bend Radius Ft (M)	Offset per joint Inches (mm)	Support Spacing Ft (M)	TYPICAL ULTIMATE VALUES		
					Axial Thread Load	Short Term ¹ Weep Pressure PSI (MPa)	Ext. Collapse Pressure PSI (MPa)
1 1/2 (40)	SP 1100	86.0 (26.2)	63 (1.6)	9 (2.7)	35,000 lbs. (15,900 Kg)	3600 (25)	330 (2.28)
	SP 1250	87.0 (26.5)	62 (1.6)	10 (3.0)	35,000 lbs. (15,900 Kg)	4200 (29)	520 (3.59)
	SP 1500	89.0 (27.1)	61 (1.5)	11 (3.3)	35,000 lbs. (15,900 Kg)	4800 (33)	1030 (7.10)
	SP 2000	92.0 (28.0)	59 (1.5)	12 (3.6)	35,000 lbs. (15,900 Kg)	5200 (36)	2210 (15.24)
	SP 2500	95.0 (29.0)	57 (1.4)	13 (3.9)	35,000 lbs. (15,900 Kg)	6000 (41)	3930 (27.10)
	SP 3000	98.0 (29.9)	55 (1.4)	14 (4.2)	35,000 lbs. (15,900 Kg)	6500 (45)	6190 (42.69)
	SP 3500	101.0 (30.8)	53 (1.4)	15 (4.5)	35,000 lbs. (15,900 Kg)	7000 (48)	8980 (61.93)
2 (50)	SP 900	103.5 (31.5)	52 (1.3)	11 (3.3)	45,000 lbs. (20,400 Kg)	3200 (22)	190 (1.31)
	SP 1000	104.5 (31.9)	52 (1.3)	12 (3.6)	45,000 lbs. (20,400 Kg)	3600 (25)	300 (2.07)
	SP 1250	106.0 (32.3)	51 (1.3)	13 (3.9)	45,000 lbs. (20,400 Kg)	4000 (28)	510 (3.52)
	SP 1500	108.5 (33.1)	50 (1.3)	14 (4.2)	45,000 lbs. (20,400 Kg)	4500 (31)	1040 (7.17)
	SP 2000	111.5 (34.0)	48 (1.2)	15 (4.5)	45,000 lbs. (20,400 Kg)	5000 (35)	1970 (13.59)
	SP 2500	115.5 (35.2)	47 (1.2)	16 (4.8)	45,000 lbs. (20,400 Kg)	6000 (41)	3780 (26.07)
	SP 3000	119.5 (38.4)	45 (1.1)	17 (5.2)	45,000 lbs. (20,400 Kg)	6500 (45)	6230 (43.10)
	SP 3500	123.5 (37.6)	44 (1.1)	18 (5.4)	45,000 lbs. (20,400 Kg)	7000 (48)	9330 (64.34)
2 1/2 (65)	SP 700	130.0 (39.6)	42 (1.1)	12 (3.6)	58,000 lbs. (26,300 Kg)	2500 (17)	90 (0.62)
	SP 850	131.0 (39.9)	41 (1.0)	13 (3.9)	58,000 lbs. (26,300 Kg)	3000 (21)	150 (1.03)
	SP 1000	133.0 (40.5)	41 (1.0)	14 (4.2)	58,000 lbs. (26,300 Kg)	3500 (24)	300 (2.07)
	SP 1250	135.0 (41.1)	40 (1.0)	15 (4.5)	58,000 lbs. (26,300 Kg)	3800 (26)	540 (3.72)
	SP 1500	137.0 (41.8)	39 (1.0)	16 (4.8)	58,000 lbs. (26,300 Kg)	4200 (29)	850 (5.86)
	SP 2000	142.0 (43.3)	38 (1.0)	17 (5.2)	58,000 lbs. (26,300 Kg)	5000 (35)	2030 (14.00)
	SP 2500	147.0 (44.8)	37 (0.9)	18 (5.4)	58,000 lbs. (26,300 Kg)	5400 (37)	3830 (26.41)
	SP 3000	152.0 (46.3)	36 (0.9)	19 (5.8)	58,000 lbs. (26,300 Kg)	5800 (40)	6250 (43.10)
	SP 3500	157.0 (47.9)	34 (0.9)	20 (6.1)	58,000 lbs. (26,300 Kg)	6200 (43)	9280 (64.00)
3 (75)	SP 700	156.0 (47.5)	35 (0.9)	13 (3.9)	70,000 lbs. (31,800 Kg)	2000 (14)	90 (0.62)
	SP 850	158.0 (48.2)	34 (0.9)	14 (4.2)	70,000 lbs. (31,800 Kg)	2500 (17)	180 (1.24)
	SP 1000	160.0 (48.8)	34 (0.9)	15 (4.5)	70,000 lbs. (31,800 Kg)	3000 (21)	320 (2.21)
	SP 1250	162.0 (49.4)	33 (0.8)	16 (4.8)	70,000 lbs. (31,800 Kg)	3500 (24)	510 (3.52)
	SP 1500	165.0 (50.3)	33 (0.8)	17 (5.2)	70,000 lbs. (31,800 Kg)	4200 (29)	910 (6.28)
	SP 2000	171.0 (52.1)	32 (0.8)	18 (5.4)	70,000 lbs. (31,800 Kg)	5000 (35)	2120 (14.62)
	SP 2500	176.0 (53.6)	31 (0.8)	20 (6.1)	70,000 lbs. (31,800 Kg)	5500 (38)	3610 (24.90)
	SP 3000	182.0 (55.5)	30 (0.8)	22 (6.7)	70,000 lbs. (31,800 Kg)	6000 (41)	5960 (41.10)
4 (100)	SP 700	209.0 (63.7)	26 (0.7)	14 (4.2)	90,000 lbs. (40,800 Kg)	2000 (14)	100 (0.69)
	SP 850	211.5 (64.5)	26 (0.7)	14 (4.2)	90,000 lbs. (40,800 Kg)	2500 (17)	200 (1.38)
	SP 1000	213.0 (64.9)	25 (0.6)	16 (4.8)	90,000 lbs. (40,800 Kg)	3000 (21)	280 (1.93)
	SP 1250	217.0 (66.1)	25 (0.6)	18 (5.4)	90,000 lbs. (40,800 Kg)	3500 (24)	570 (3.93)
	SP 1500	220.0 (67.1)	25 (0.6)	20 (6.1)	90,000 lbs. (40,800 Kg)	4000 (28)	860 (5.93)
5 (125)	SP 600	252.5 (77.0)	21 (0.5)	16 (4.8)	100,000 lbs. (45,360 Kg)	1800 (12)	60 (0.41)
	SP 800	256.5 (78.2)	21 (0.5)	17 (5.2)	100,000 lbs. (45,360 Kg)	2500 (17)	160 (1.10)
	SP 1000	259.5 (79.1)	21 (0.5)	18 (5.4)	100,000 lbs. (45,360 Kg)	3000 (21)	280 (1.93)
	SP 1250	263.5 (80.3)	20 (0.5)	19 (5.8)	100,000 lbs. (45,360 Kg)	3500 (24)	500 (3.45)
	SP 1500	268.5 (81.8)	20 (0.5)	20 (6.1)	100,000 lbs. (45,360 Kg)	4000 (28)	900 (6.21)
6 (150)	SP 350	327.5 (99.8)	16 (0.4)	15 (4.5)	130,000 lbs. (59,000 Kg)	1200 (8.0)	10 (0.07)
	SP 500	331.0 (100.9)	16 (0.4)	18 (5.4)	130,000 lbs. (59,000 Kg)	1800 (12)	30 (0.21)
	SP 800	338.0 (103.0)	16 (0.4)	20 (6.1)	130,000 lbs. (59,000 Kg)	2500 (17)	150 (1.03)
	SP 1000	342.0 (104.2)	16 (0.4)	22 (6.7)	130,000 lbs. (59,000 Kg)	3000 (21)	260 (1.79)

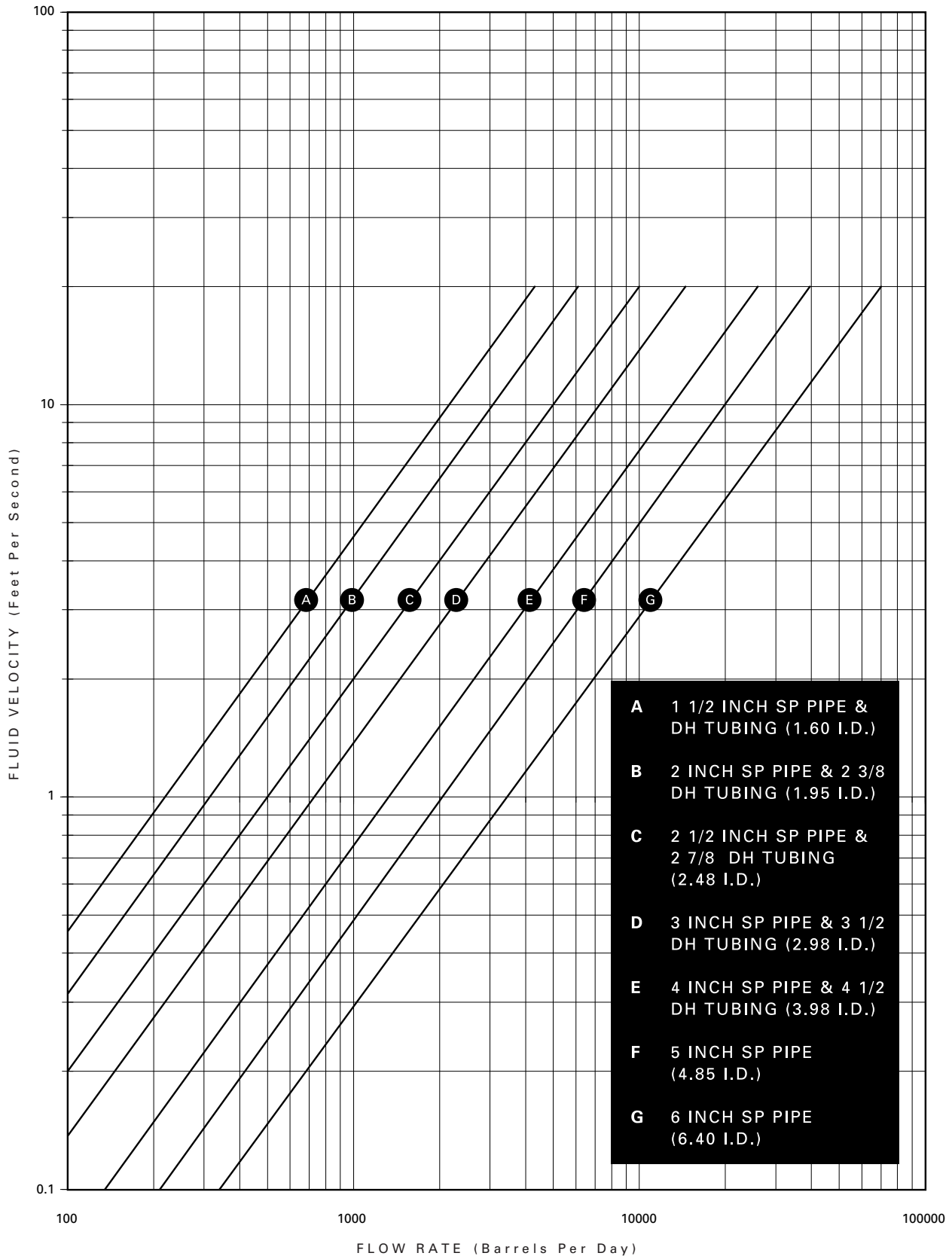
1. Unrestrained across the joint strength.



Detail

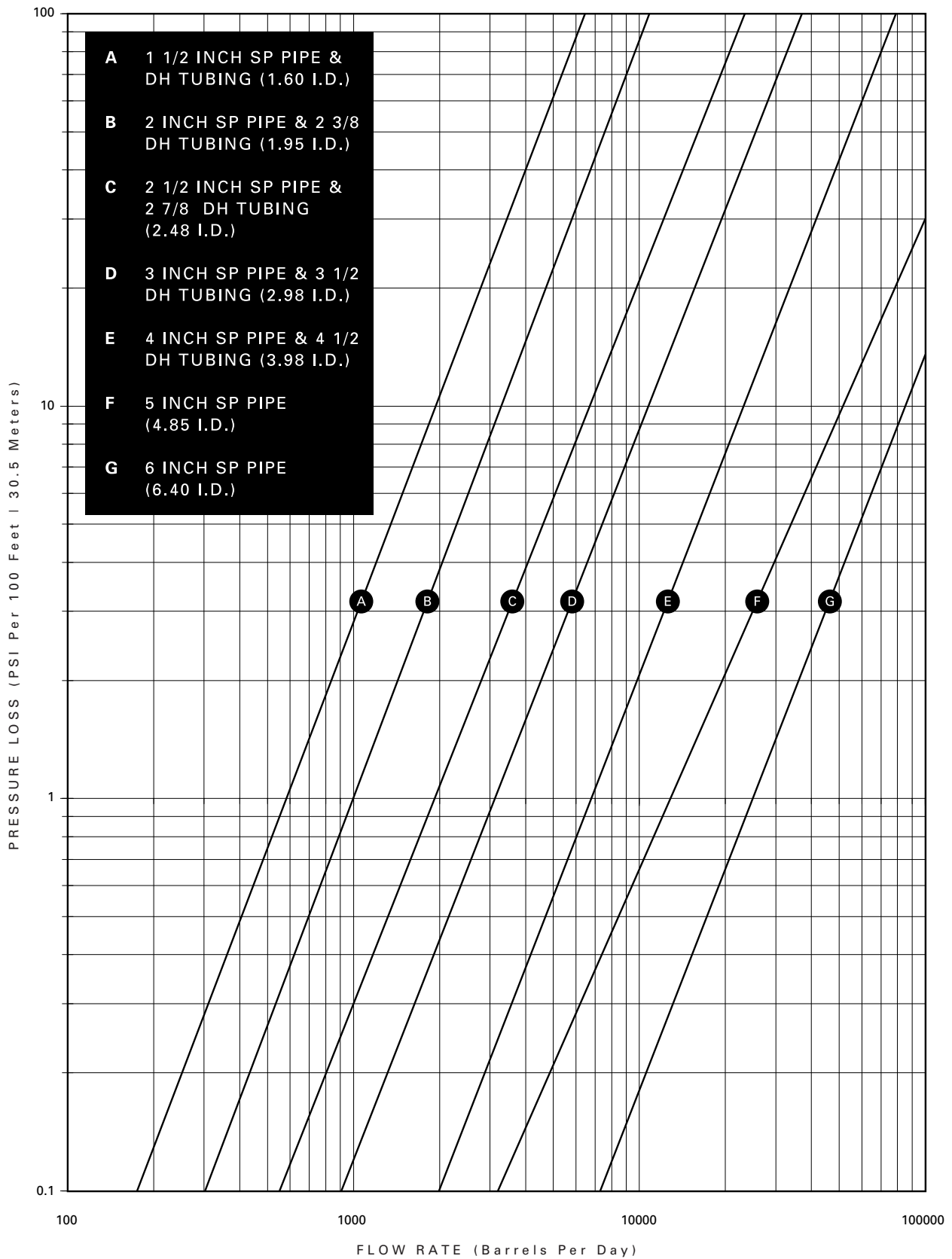
<i>Mill Test Pressure:</i>	Operating Pressure x 1.25
<i>Axial Modulus of Elasticity:</i>	1.85 x 10 ⁶ PSI (1.27 x 10 ⁴ MPa)
<i>Hoop Modulus of Elasticity:</i>	3.00 x 10 ⁶ PSI (2.05 x 10 ⁴ MPa)
<i>Density:</i>	0.07 lbs/in ³ (Sp. Gr. = 1.95)
<i>Coefficient of Thermal Expansion:</i>	1.0 x 10 ⁻⁵ in/in/°F (1.8 x 10 ⁻⁵ m/m/°C)
<i>Hazen-Williams Flow Factor:</i>	150
<i>Poissons Ratio (Hoop Tensile):</i>	.60
<i>Poissons Ratio (Axial Tensile):</i>	.45

INTEGRAL JOINT SURFACE PIPE AND TUBING

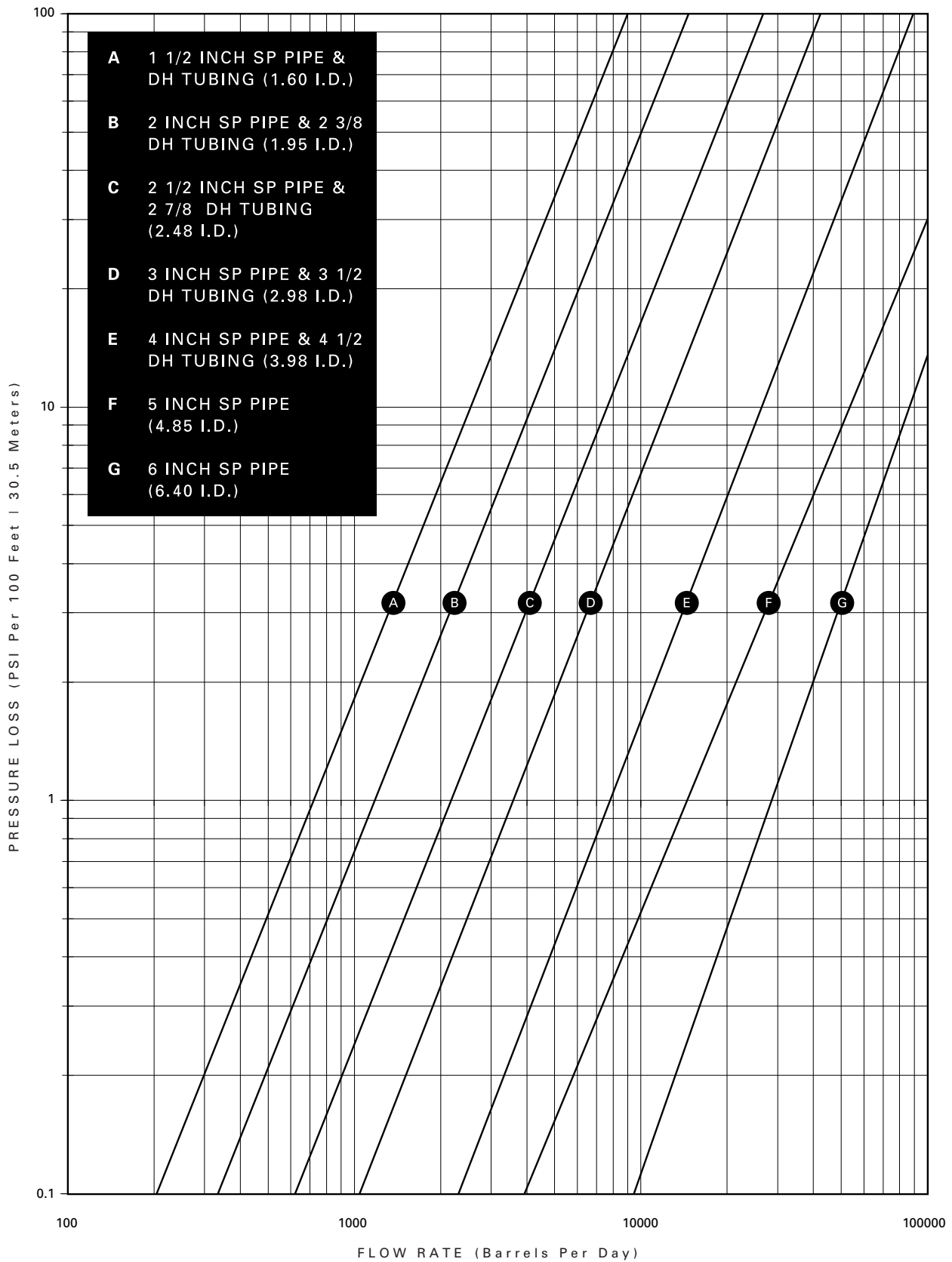


Note: If flow rate is to be more than 12 ft./sec. contact Centron.

INTEGRAL JOINT SURFACE PIPE



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