

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE



201 Bethel Ave Aston, PA 19014-3443 (800) PENN-USA Fax: (610) 497-3325
salespa@pennusa.com

315 North Wayside Drive Houston, TX 77020-7514 (800) PENN-USA Fax: (713) 679-7920
salestx@pennusa.com

WWW.PENNUSA.COM

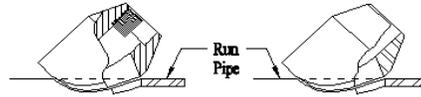
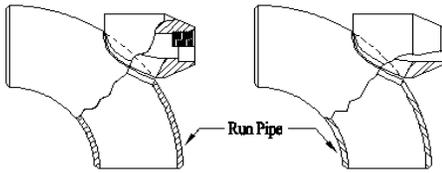
JOT- 17

CARBON OUTLETS

PENN FORGED CARBON STEEL OUTLETS

ASTM A105/ASME SA105 -- MSS SP 97 -- ASME B31.1 -- ASME B16.11 -- ASME B16.9

JANUARY 5, 2026



LONG RADIUS 90 DEGREE ELBOW CONNECTIONS

OUTLET SIZE	3000# THREAD	3000# SOCKET	6000# THREAD	6000# SOCKET	STD/XS B-W
1/4	AVAIL	AVAIL	AVAIL	AVAIL	AVAIL
3/8	AVAIL	AVAIL	AVAIL	AVAIL	AVAIL
1/2	74.08	111.44	161.51	173.43	147.87
3/4	87.81	113.52	177.34	190.60	174.48
1	97.09	120.79	209.06	234.89	190.32
1-1/4	200.61	236.17	269.22	279.33	266.82
1-1/2	214.86	254.18	282.79	314.69	311.04
2	214.64	283.21	AVAIL	AVAIL	355.15
2-1/2	AVAIL	AVAIL	AVAIL	AVAIL	AVAIL
3	AVAIL	AVAIL	AVAIL	AVAIL	AVAIL
4	AVAIL	AVAIL	AVAIL	AVAIL	AVAIL

Short radius available POA

Size on Size POA

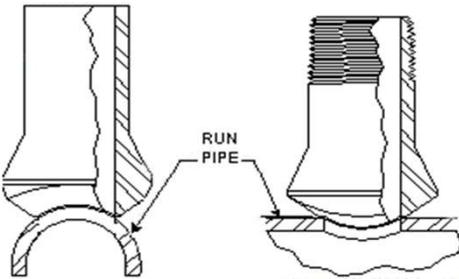
LATERAL CONNECTIONS

OUTLET SIZE	3000# THREAD	3000# SOCKET	6000# THREAD	6000# SOCKET	STD/XS B-W
1/4	AVAIL	AVAIL	AVAIL	AVAIL	AVAIL
3/8	AVAIL	AVAIL	AVAIL	AVAIL	AVAIL
1/2	219.18	AVAIL	AVAIL	AVAIL	AVAIL
3/4	223.34	AVAIL	AVAIL	AVAIL	AVAIL
1	239.36	AVAIL	AVAIL	AVAIL	AVAIL
1-1/4	AVAIL	AVAIL	AVAIL	AVAIL	AVAIL
1-1/2	434.22	AVAIL	AVAIL	AVAIL	AVAIL
2	829.41	AVAIL	AVAIL	AVAIL	AVAIL
2-1/2	AVAIL	AVAIL	AVAIL	AVAIL	AVAIL
3	AVAIL	AVAIL	AVAIL	AVAIL	AVAIL
4	AVAIL	AVAIL	AVAIL	AVAIL	AVAIL

NIPPLE CONNECTIONS 3 1/2" LONG *

OUTLET SIZE	EXTRA STRONG PLAIN END	XXS/S160 PLAIN END	EXTRA STRONG THREADED	XXS/S160 THREADED
1/2	255.74	317.72	299.38	317.72
3/4	286.07	370.77	444.23	424.34
1	391.03	524.29	481.05	577.22
1-1/4	631.84	614.18	692.87	746.04
1-1/2	730.80	798.50	694.68	809.90
2	738.16	827.95	724.79	985.85

*Other lengths including 6-1/2 long and higher available POA



ACCESS MILL TEST REPORTS ON OUR WEBSITE WWW.PENNUSA.COM