

PPI

production products, inc.

SHEET METAL MACHINERY AND SUPPLY

1-800-231-8040

Fax: 1-301-472-4300

www.ppiduct.com

30487 Potomac Way - Charlotte Hall, MD 20622

COST COMPARISON

TDC CONNECTORS vs SLIP ON FOUR BOLT CONNECTORS

DUCT SIZE: <u>49" x 24"</u> LENGTH: <u>60"</u> W.G.: <u>2"</u>	SLIP ON FOUR BOLT	TDC
DUCT CONSTRUCTION STANDARDS	24 GA.	26 GA.
SQ. FT. OF DUCT SURFACE AREA	60.83	60.83
GAUGE LB. PER SQ. FT.	1.156	0.906
SQ. FT. x LBS. PER SQ. FT. = WEIGHT OF DUCT	70.32 LBS	55.11 LBS.
STEEL COST PER LB. x WEIGHT = STEEL COST OF DUCT	\$22.50	\$17.64
WIDTH + DEPTH OF DUCT / 3 = LINEAR FT. OF SLIP ON FOUR BOLT CONNECTOR	24.33	0
LINEAR FT. OF SLIP ON FOUR BOLT CONNECTOR x PRICE PER LINEAR FT. = COST OF SLIP ON FOUR BOLT CONNECTOR	\$9.25	0
12 MIN. x 2 x LABOR RATE PER MIN. = LABOR TO CUT, FABRICATE AND INSTALL SLIP ON FOUR BOLT CONNECTOR *	\$4.08	0
LINEAR FT. OF CONDUIT x \$0.10 = COST OF CONDUIT (2 FEET)	0	\$0.20
5 MIN. x NO. OF 1 CTR x LABOR RATE PER MIN. = LABOR TO INSTALL CONDUIT AND CONDU-LOCK HARDWARE	0	\$0.85
COST OF 2 SETS CONDU-LOCK HARDWARE FOR (1) CENTER TIE ROD	0	\$0.74
CORNERS 8 EA. SLIP ON FLANGE TYPE \$0.28 TDC \$0.17	\$2.24	\$1.36
ADD 6.6% TO COST OF TDC TO = DIFFERENCE BETWEEN 60" AND 56" LENGTH	0	\$1.46
TOTALS:	\$38.07	\$22.25
SAVINGS PER SECTION OF DUCT WITH USE OF TDC:		\$15.82

NOTES:

LABOR RATE PER HOUR \$10.00 PER MIN. \$0.17

CONTRACTORS POLLED ESTIMATE:

*WASTE FACTOR OF SLIP ON FOUR BOLT CONNECTOR TO BE BETWEEN 10 AND 22 PERCENT. ALLOW 1 MIN. TO ROLLFORM TDC (BOTH SIDES) THRU AUXILIARY MACHINE.

*LABOR TIME TO CUT, FABRICATE AND INSTALL SLIP ON FOUR BOLT CONNECTOR TO BE BETWEEN 12 AND 20 MINUTES FOR EACH END OF DUCT.

SLIP ON FOUR BOLT CONNECTOR COST = \$0.38 PER LINEAR FT.

STEEL COST = \$0.32 PER POUND

CORNERS = SLIP ON FLANGE TYPE \$0.28, TDC \$0.17