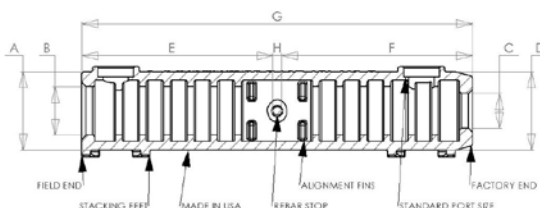


D-410 Sleeve-Lock™ Grout Sleeve

The Dayton Superior D-410 Sleeve-Lock™ Grout Sleeve is a one-piece mechanical coupler designed to butt-splice reinforcing steel in concrete structures. The Grout Sleeve is available in seven (7) sizes to accommodate deformed bar sizes #4 through #18. Bars of like size or of different sizes can be effectively spliced by the System. Typical sleeve applications include precast and cast-in-place concrete structures. The D-410 Sleeve-Lock™ Grout Sleeve is a ductile casting with a minimum yield strength of 55,000 psi and a minimum tensile strength of 80,000 psi. It exceeds all known building codes and agency standards. The System achieves 160% f_y strength criteria with the Dayton Superior S-L Grout D-490, a high strength, non-shrink grout.



The Sleeve has several unique features :

- Rebar Stop – An integrated post that acts as a precise stop when inserting rebar
- Alignment Fins – Positioning fins that keep inserted rebar centered
- Standard Port Sizes – Ports designed to accept standard 0.75" SCH40 PVC; ports use the same size PVC
- Stacking Feet – Feet used to stabilize the product during shipping and on the shelf while assisting in wire-tying and acting as a platform for a rebar chair.
- Made In USA – The sleeve is 100% made in the USA.

SIZE		SLEEVE-LOCK™ DIMENSIONS						REBAR EMBEDMENT LENGTH			
		A	B	C	D	G	H	E, MAX	E, MIN	F, MAX	F, MIN
#4	13MM	2.14	1.26	0.87	2.14	9.50	0.25	4.63	3.30	4.63	3.30
#5	16MM	2.14	1.26	0.87	2.14	9.50	0.25	4.63	4.13	4.63	4.13
#6	19MM	2.61	1.73	1.14	2.61	13.00	0.25	6.38	4.92	6.38	4.92
#7	22MM	2.61	1.73	1.14	2.61	13.00	0.25	6.38	5.71	6.38	5.71
#8	25MM	2.89	2.89	1.42	2.89	16.52	0.38	8.07	6.50	8.07	6.50
#9	29MM	2.89	2.89	1.42	2.89	16.52	0.38	8.07	7.40	8.07	7.40
#10	32MM	3.04	2.16	1.57	3.04	17.99	0.50	8.75	8.19	8.75	8.19
#11	36MM	3.32	2.32	1.73	3.32	19.54	0.50	9.52	8.98	9.52	8.98
#14	43MM	3.73	2.60	2.01	3.73	24.50	0.50	12.00	11.42	12.00	11.42
#18	57MM	4.77	3.27	2.68	4.77	36.00	0.50	17.75	17.00	17.75	17.00

All dimensions are in inches

D-490 S-L Grout™

S-L Grout™ is specifically designed and manufactured by DSC for the Sleeve-Lock™ System. It is a flow-able grout capable of achieving 11,000ksi when mixed following the recommended mixing instructions of DSC. Available in 50lb bags, yield per bag, noting that grout used in PVC tubing is not accounted for, is as shown in Table 2:

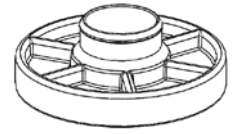
SIZE		SLEEVES PER BAG OF GROUT
#4	13MM	37
#5	16MM	40
#6	19MM	16
#7	22MM	30
#8	25MM	11
#9	29MM	11
#10	32MM	9
#11	36MM	8
#14	43MM	5
#18	57MM	3

Amounts are approximate.

Use only potable water for mixing. A 50 pound (22.7 kg) of grout will require approximately 6.5 pints (3.07 liters) of water to achieve a flowable consistency. The water amount can be adjusted +/- 0.5 pints (0.23 liters) to achieve desired consistency. Determine correct water amount by mixing of a test batch prior to commencing grouting operation.

D-487 Sleeve-Lock™ Seal Plug

The Sleeve-Lock™ Seal Plug is a rubberized plug used to seal the connection between the Sleeve-Lock™ Grout Sleeve and the reinforcing bar. It is designed to keep concrete from entering the inner cavity of the Sleeve-Lock™ Grout Sleeve on the Factory End and to contain the pumped in grout on the Field End. Per size, the Sleeve-Lock™ Seal Plug can be used on either end meaning that only 1 size Sleeve-Lock™ Seal Plug (QTY 2) per sleeve need be stocked.



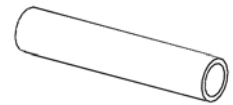
D-491 Sleeve-Lock™ Form Plug

The Sleeve-Lock™ Form Plug is a device using a rubberized grommet and a clamping device and used to attach the Sleeve-Lock™ Grout Sleeve to a piece of formwork i.e. steel, lumber, composite. It is designed to fasten the sleeve to the formwork while keeping concrete out of the sleeve's inner chamber. It is to be used on the Field End only and is not designed to be used as a structural connection.



D-492 Sleeve-Lock™ ¾" SCH40 PVC

The Sleeve-Lock™ ¾" SCH40 PVC is standard, off the shelf, PVC, used to fill the inner chamber of the Sleeve-Lock™ Grout Sleeve. Either port of the sleeve uses the same size PVC. It is available locally or through DSC.



D-493 Sleeve-Lock™ Port Plug

The Sleeve-Lock™ Port Plug is a plastic plug used during jobsite shipping to plug the ports in order to keep debris from entering the inner chamber of the sleeve. They can also be used to plug the PVC before or after grouting. One size will fit either end port or PVC.



How to Specify:

Specific: Mechanical splices shall be the Sleeve-Lock™ Grout Sleeve System manufactured by Dayton Superior Corporation.

Generic: The mechanical connection shall meet building code requirements of developing in tension and compression, as required, by local standards and codes. Grouting must be performed in accordance with the manufacturer's recommended grouting procedures.