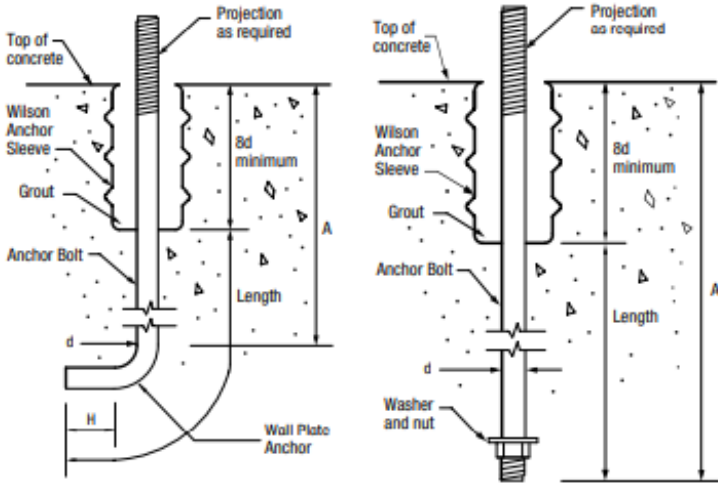


# Anchor Sleeve

AR Anchor Sleeves are a plastic void form made of high density polyethylene that is non-rusting and non-conductive. They expedite the mounting of machinery and equipment, and are maintenance free and easy to use. When using the AR Anchor Sleeve, initial material and installation costs are greatly lowered, and all welding, pipe cutting, packing, bending, forming, cleaning and chipping out are eliminated.



To order, please specify the following information  
**EXAMPLE**  
 Name ..... AR Anchor Sleeve  
 Anchor Bolt Diameter ... 13 mm (1/2")  
 Quantity ..... 200



### Material and Testing Data

<b>Plastic:</b>	High density polyethylene
<b>Density, gms/cc:</b>	ASTM D 1505-68 .956
<b>Vicat softening point °F (°C):</b>	ASTM D 1525-70 256°F (124°C)
<b>Brittleness temp. °F (°C):</b>	ASTM D 746-70 -180°F (-119°C)
<b>Torch application:</b>	Slow burn
<b>Compression test:</b>	12.7 kg (180 psi) per square inch

*Each Sleeve is approximately twice the bolt diameter with a depth of 8 bolt diameters, minimum.*

**TABLE — GROUT VOLUME REQUIRED**

Bolt Diameter mm (in)	Series	Sleeve Size mm (in)	Litres of grout per shell	Cubic inches per shell	# sleeves per carton	kgs (lbs) per bundle
13 mm (1/2")	AX	50 mm x 130 mm (2" x 5")	.26	15.95	100	4
20 mm (3/4")	AX	50 mm x 130 mm (2" x 5")	.25	15.16	100	4
16 mm (5/8")	A	50 mm x 180 mm (2" x 7")	.35	21.41	100	5
20 mm (3/4")	A	50 mm x 180 mm (2" x 7")	.34	20.50	100	5
25 mm (1")	B	75 mm x 255 mm (3" x 10")	1.06	65.80	50	6
32 mm (1 1/4")	B	75 mm x 255 mm (3" x 10")	1.00	61.40	50	6
38 mm (1 1/2")	C	100 mm x 380 mm (4" x 15")	2.75	167.60	20	6
42 mm (1 3/4")	C	100 mm x 380 mm (4" x 15")	2.60	158.00	20	6
50 mm (2")	D	100 mm x 460 mm (4" x 18")	2.90	176.76	20	7
57 mm (2 1/4")	D	100 mm x 460 mm (4" x 18")	2.66	161.82	20	7
64 mm (2 1/2")	E	150 mm x 610 mm (6" x 24")	9.50	575.28	10	8
76 mm (3")	E	150 mm x 610 mm (6" x 24")	8.80	523.44	10	8

*NOTE: Grout estimate based on .46 cu/ft yield per 55 lb of non-corrosive grout.*

### Preparatory Work: None

**Limitations:** The AR Anchor Sleeve is not recommended where high heat is used, such as inside an oven.

**Caution:** When using the AR Anchor Sleeve outdoors or under freezing conditions, the sleeve must be sealed around the bolt to prevent moisture penetration or filled with Antifreeze.

**Installation:** The bottom of the sleeve is passed over the top of the bolt until the threaded portion engages the self-threading top of the sleeve. The sleeve is turned until the proper projection is obtained. The entire assembly is cast into the concrete, with the top of the sleeve at foundation level. When the anchor bolt is ready for adjustment, the top of the sleeve is cut off and discarded. The bolt may now be adjusted within the sleeve.

Expansion or non-shrinking grout is cast into the sleeve around the bolt when equipment is set. Other applications are done in a similar fashion.

