

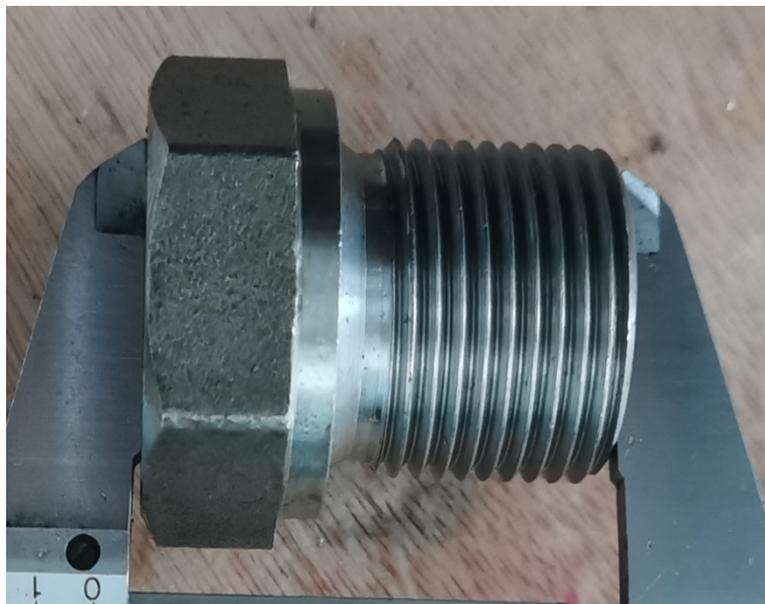
Shoulder plugs or **header plugs** are prepared for plug type header boxes in air cooled heat exchangers or fin fan air coolers. A shoulder plug and gasket are located contrasting each tube which allows access for inspection and cleaning of individual tubes. Spare plugs and gaskets may be needed to replace originals during routine maintenance or used to plug leaking tubes.

Header Plugs are installed in upstream offshore/onshore oil production and initial processing installations. Header Plugs are finished from Stainless Steel 316, SS 304, Duplex, Super Duplex, Carbon Steel, Brass, Inconel, Hastelloy, Titanium and Monel. They are also obtainable in various Alloy Steel.

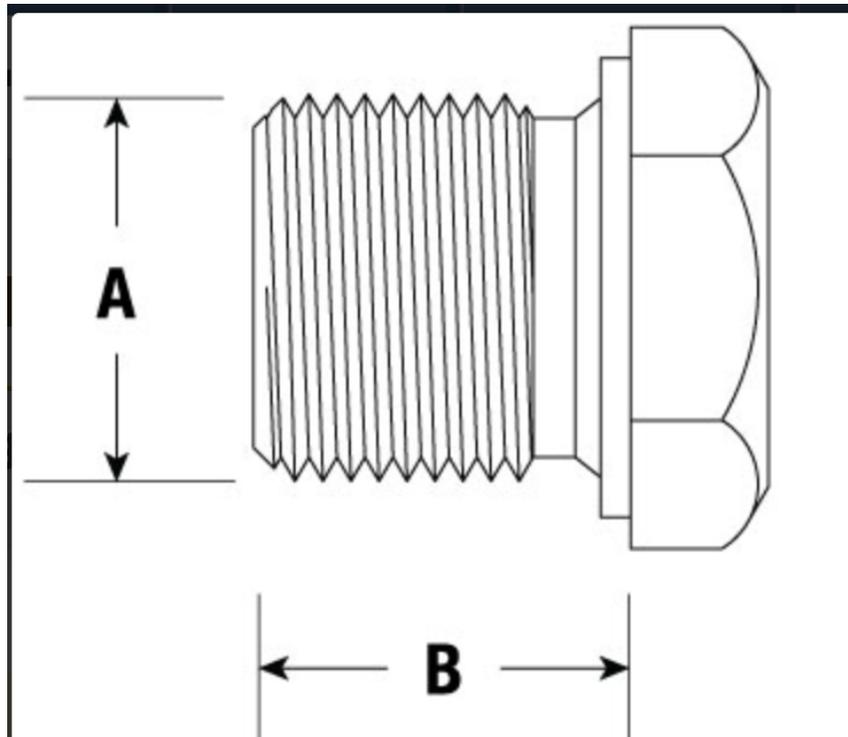
ASTM A105 ASTM A350 LF2 Shoulder plug

Stainless:ASTM A182 F 304 and F316 Shoulder plug

Most Common sizes are 3/4" UNF ,1 1/8" UNF ,1 3/8" UNF ,1 5/8" UNF ,2 1/8" UNF



Header Plug / Shoulder Plug Sizing Chart



Header Plug / Shoulder Plug Sizing Chart				
Typical Tube OD	A Typical Plug Diameter	Typical UNF Thread	B Length Under Head	Hex Size
5/8"	3/4"	16	3/4"	1"
			7/8"	
			1"	
1"	1 1/8"	12	3/4"	1 3/8"
			7/8"	
			1"	
			1 1/8"	
			1 1/4"	
			1 3/8"	
1 1/4"	1 3/8"	12	1 1/2"	1 5/8"
			3/4"	
			7/8"	
			1 1/8"	
			1 1/4"	
1 1/2"	1 5/8"	12	1 1/2"	1 7/8"
			1"	
			1 1/8"	
			1 1/4"	
			1 3/8"	
2"	2 1/8"	12	1 1/2"	2 3/8"
			1 1/4"	

