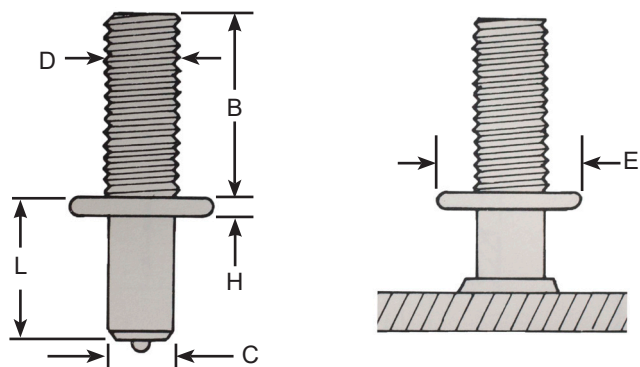
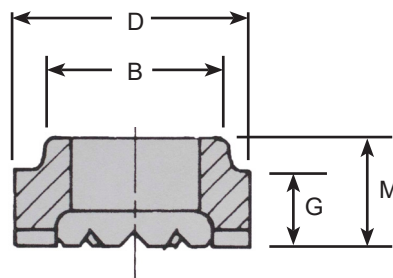


# COLLAR<sup>CS</sup>

## STUD SPECIFICATIONS



## FERRULE SPECIFICATIONS



D	STD B	MIN L	C	E	H	D	B	G	M
1/4-20	5/8	3/8	.215	1/2	3/32	.875	.785	.125	.250
5/16-18	5/8	3/8	.275	5/8	3/32	.875	.785	.125	.250
3/8-16	5/8	3/8	.330	5/8	3/32	.875	.785	.125	.250
1/2-13	3/4	1/2	.448	3/4	3/32	1.030	.921	.125	.281

**COLLAR STUDS:** Threaded studs with a collar separating the weld base and the thread.

**DIAMETER:** Available in diameters from 1/4" through 1/2".

**LENGTH:** Available in required lengths above the recommended standard minimums (L). Length is before weld. Stud diameters 1/2" and smaller will be approximately 1/8" shorter after welding.

**MILD STEEL:** Low carbon steel.

Mechanical Properties (as cold drawn):

Tensile: 55,000 psi min.

Reduction in Area: 50% min.

**STAINLESS STEEL:** Type 304 is the most commonly used.

Other grades of stainless steel (except Type 303) are available when required.

**THREAD:** Standard thread is UNC2A.

**FERRULES:** All orders for studs include required ferrules.

**PLATING:** Plated studs are available in cadmium, zinc, and nickel, ASTM specifications A165 Type TS, A164 Type RS, and B-456. The welding end of the stud is not plated to prevent weld contamination. Information on other plating materials are available upon request.

**ANNEALING:** Stud ductility can be increased by annealing to 75 Rockwell B for low carbon steel and 90 Rockwell B for stainless steel.

**FLUX:** Standard collar studs are solid fluxed.



### HANLON STUD WELDING

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