



S1-SS Series

Hydrostatic Shell Strength

SIZE	HYDROSTATIC SHELL FAILURE PRESSURE
1/4-3/8"	9,000 PSIG
1/2"	8,200 PSIG
3/4"	8,000 PSIG
1"	7,100 PSIG
1-1/4"	7,000 PSIG
1-1/2"	6,100 PSIG
2"	5,200 PSIG
2-1/2"	5,000 PSIG
3"	5,000 PSIG

Torsional Weld Strength

SIZE	TORSIONAL WELD FAILURE POINT
1/4-3/8"	>300 FT-LBS (Tailpiece Flats Deformed-no Weld Failure)
1/2"	>530 FT-LBS (Tailpiece Flats Deformed-no Weld Failure)
3/4"	>860 FT-LBS (Tailpiece Flats Deformed-no Weld Failure)
1"	>1460 FT-LBS (Tailpiece Flats Deformed-no Weld Failure)
1-1/4"	>2150 FT-LBS (Driver Failure-no Weld Failure)
1-1/2"	>3100 FT-LBS (Tailpiece Flats Deformed-no Weld Failure)
2"	> 3700 FT-LBS (Limit of Equipment)
2-1/2"	> 3700 FT-LBS (Limit of Equipment)
3"	> 3700 FT-LBS (Limit of Equipment)