

SCIT TOOL SPECIFICATION SHEET – EXHIBIT A



Tool Size	Material	Sizes of Studs	Distance Between Seals (Inch)	Max Standard Working Pressure (PSI) *,**	Recommended and Max Torque Per Stud (ft·lb)	Max Back Pressure (PSI) ***
3/4" to 1"	4140 Steel HT AN	3/8" UNC threaded Mandrel	2	5000	Recommended: 25 Max: 30	25
1.25" to 2"	4140 Steel HT AN	5/8" UNC threaded Mandrel	2.5	5000	Recommended: 50 Max: 60	25
3"	6061 Aluminum T651	5/16" Stud	3	5000	Recommended: 30 Max: 30	25
4"	6061 Aluminum T561	3/8" Stud	3	5000	Recommended: 30 Max: 30	25
6" to 20"	6061 Aluminum T651	5/8" B7 Studs	3	5000	Recommended: 100 Max: 120	25
22" to 58"	6061 Aluminum T651	5/8" B7 Studs	3	5000	Recommended: 100 Max: 120	10
60" and Up	6061 Aluminum T651	5/8" B7 Studs	3	5000	Recommended: 100 Max: 120	5

\*(working pressure achieved is dependant on seal material, condition of pipe wall, and clearance of tool to pipe ID)

\*\* (working pressures above 5000psi please contact Vital Industrial Solution for technical support)

\*\*\*(max allowable back pressure is dependant on seal material, condition of pipe wall, and clearance of tool to pipe ID)

\*\*\*\*(minimum tool seal to weld area clearance is not to be any closer than 6"/ 152.4mm. Contact Vital Industrial Solutions for technical support if requiring tighter clearances)