

TALON PRODUCT PERFORMANCE REPORT

Results of Shear and Pull Out Tests

Steel Studs (ga) ¹	25	22	20	18	16	14	12
Thickness (mils)	18	27	33	33	54	68	97
Color Code	No Color Code	No Color Code	White	Yellow	Green	Orange	Red
Screw Tested^{2,3}	ULTIMATE LAP SHEAR (lbs)						
#6 sharp point	458	663					
#6 drill point	415	559	631	856			
#8 sharp point	480	670	720				
#8 drill point	480	544	814	1190	1420		
#10 drill point		636	824	1236	1512		
#12 drill point			938	1318	1608	1756	2546
#14 drill point			1028	1352	1656	2350	2479
#14 stitch screw	700	772	1220				
Screw Tested^{2,3}	ULTIMATE LAP SHEAR (lbs)						
#6 sharp point	190	273	288	388			
#6 drill point	146	215	203	294	524	717	
#8 sharp point	210	275	350	550			
#8 drill point	135	180	215	279			
#10 drill point	145	229	233	312	517		
#12 drill point	178	206	269	366	625	800	1615
#14 drill point	220	275	326	595	860	1045	1710
#14 stitch screw	300	401	545	750			

- Notes:**
1. Steel Studs manufactured to ASTM A653-04 specification.
 2. Sharp Point Screws manufactured to ASTM C1002-04 specification.
 3. Drill Point Screws manufactured to ASTM C954-04 specification.

Talon Screw Specifications

TALON Sheet Metal and Drywall, Self-Drilling Tapping Screws are manufactured to meet the specifications defined in the following standards:

ASTM C1002-04 (Sharp Point)

Steel Self-Piercing of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs.

1.0 Scope

1.1 This specification covers steel self-piercing tapping screws for use in fastening gypsum panel products and metal plaster bases to cold-formed steel studs less than 0.033" in thickness and wood members and for fastening gypsum panel products to gypsum board.

1.2 This specification also covers test methods for determining performance requirements and physical properties.

ASTM C954-04 (Drill Point)

Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.33 to 0.112" in Thickness.

1.0 Scope

1.1 This specification covers minimum requirements for steel drill screws for use in fastening gypsum panel products or metal plaster bases to steel members from 0.33 to 0.112" in thickness.

1.2 This specification also covers physical properties and test methods for determining performance requirements.