

Marine Grade (316) Stainless-Steel Bi-Metal Self-Drilling Fastener Technical Information

The head and threads are made of 316 stainless steel that provides exceptional corrosion protection and superior ductility. The drill point is made of hardened carbon steel that is welded to the body. This allows the fastener to drill and tap steel up to 1/2" thick.

FASTENER SPECIFICATIONS

High quality Stainless steel grade 316 St/St, ISO group A4, Din 1.4401.

DRILL POINT SPECIFICATIONS

High quality grade casehardened carbon steel to DIN standard 10666. Where specified the fasteners are assembled with a stainless-steel/EPDM vulcanized sealing washer for a safe seal every time.

Technical Data

Sharp Point

Gauge	Shear	Tensile	Pull Out lbs Average Ultimate			
			#26	#24	#20	#18
#12	1912	2732	259	334	497	761

Drill Point 1 For Sheet Metal

Gauge	Shear	Tensile	Pull Out lbs Average Ultimate			
			#26	#24	#20	#18
#10	1146	1890	160	229	303	465
#12	1978	2630	170	281	346	544

Drill Point 3 - Will drill and tap from #18 Gauge to 1/4" steel

Gauge	Shear	Tensile	Pull Out lbs Average Ultimate			
			#16	#14	1/8"	1/4"
#12	1686	2585	535	820	1931	Ultimate Tensile

Drill Point 5 - Will drill and tap from #9 Gauge to 1/2" Steel

Gauge	Shear	Tensile	Pull Out lbs Average Ultimate			
			#9	#6	#4	1/4"
#12	2045	2810	1584	2380	Ultimate Tensile	Ultimate Tensile

Figures based on tests from steel designated as Grade Z35 (BS 2989)

Washer Face	Nominal Sheet Thickness # Gauge		
	Steel		
	26	24	20
S 5/8" Washer	944	1169	1236
S 3/4" Washer	1012	1270	1349

Figures based on use with R38 profile steel sheets with fastener located in valley of profile and tested in accordance with BS 5427

