

Product Image



Hex Washer Head Self Drilling Screw

Hex Washer Head Self Drilling Screws are made from cold-heading steel. The self-drilling tip allows them to drill, tap, and fasten metal-to-metal in one step with no pre-drilling required. This ensures optimal drilling performance and smooth, reliable thread formation. While primarily used for metal-to-metal applications, these versatile screws are suitable for a wide range of fastening tasks. All material and performance requirements are covered under ASTM C954 standards.

Features:

- Drills and taps in one step
- No pre-drilling required
- Smooth, precise drilling
- Zinc-plated finish

Performance Data

Pullout - Ultimate Load													
		Steel Thickness											
Size	Point Type	26 GA	24 GA	22 GA	20 GA	18 GA	16 GA	14 GA	12 GA	1/8"	3/16"	1/4"	5/16"
#8-18	#2	150*	180	300	350	600	800	1100	1600				
#10-16	#3		300	350	400	600	1000	1200	1600				
#12-24	#3					600	800	1100	1600	2100	3000	3600	4000
#14-14	#3					500	650	1100	1800	2000	3800	4000	4000

1. Unless noted otherwise, above values are based on laboratory tests.

2. Ultimate load capacities must be reduced by a 50% minimum safety factor to determine safe load.

* Extrapolated Values

Pullout - Safe Load													
		Steel Thickness											
Size	Point Type	26 GA	24 GA	22 GA	20 GA	18 GA	16 GA	14 GA	12 GA	1/8"	3/16"	1/4"	5/16"
#8-18	#2	75*	90	150	175	300	400	550	800				
#10-16	#3		150	175	200	300	500	600	800				
#12-24	#3					300	400	550	800	1050	1500	1800	2000
#14-14	#3					250	325	550	900	1000	1900	2000	2000

* Extrapolated Values

TECHNICAL DATA SHEET



Performance Data

Shear - Ultimate Load													
		Steel Thickness											
Size	Point Type	26 GA	24 GA	22 GA	20 GA	18 GA	16 GA	14 GA	12 GA	1/8"	3/16"	1/4"	5/16"
#8-18	#2	200*	400	500	600	1000	1200	1500	1600				
#10-16	#3		700	800	900	1000	1500	1700	2000				
#12-24	#3					1100	1400	2500	3000	3000*	3000*	3000*	3000*
#14-14	#3					1100	1400	2400	2700	2700	2700*	2700*	2700*

1. Unless noted otherwise, above values are based on laboratory tests.

2. Ultimate load capacities must be reduced by a 50% minimum safety factor to determine safe load.

* Extrapolated Values

Shear - Safe Load													
		Steel Thickness											
Size	Point Type	26 GA	24 GA	22 GA	20 GA	18 GA	16 GA	14 GA	12 GA	1/8"	3/16"	1/4"	5/16"
#8-18	#2	100*	200	250	300	500	600	750	800				
#10-16	#3		350	400	450	500	750	850	1000				
#12-24	#3					550	700	1250	1500	1500*	1500*	1500*	1500*
#14-14	#3					550	700	1200	1350	1350	1350*	1350*	1350*

* Extrapolated Values