

Self-Drilling Screws Tech Data

SIZE	SCREW	THREAD	STEEL	TENSION	SHEAR	AVERAGE TORSIONAL	COMMENTS
DIAMETER	DIAMETER	PER INCH	GAUGE	PULLOUT (LBS)	PULLOUT (LBS)	STRENGTH (LBS)	
#6	0.138	8-28	20 0.033"	299	480	34	#6 Metal to metal fastening, used in light-gauge sheet metal applications. Recommended drive speed of 2,500 RPMS.
			18 0.044"	377	789		
			16 0.005"	829	877		
			14 0.069"	855	885		
#7	0.151	7-19	12 0.099"	724		39	
			20 0.033"	269	544		
			18 0.044"	307	625		
#8	0.164		0.055"	596	987	47	#8 Metal to metal fastening, used in light sheet metal and light-gauge steel framing. Very common in HVAC ductwork assembly. Recommended drive speed of 2,500 RPMS.
			20 0.033"	304	513		
			18 0.044"	414	848		
			16 0.005"	172	1108		
#10	0.19	10-16	14 0.069"	744	1131	75	#10 Metal to metal fastening, used in medium gauge framing. Used by metal framing & HVAC contractors/fabricators. Can attach 12-20 gauge steel. Recommended drive speed of 2,500 RPMS.
			12 0.099"	872			
		10-24	20 0.033"	324	580		
			18 0.044"	397	885		
#12	0.216	12-20	16 0.005"	671	291	108	#12 Metal to metal fastening, used in sheet metal to attach purlins & channels. Can attach 12-20 gauge steel. Recommended drive speed of 2,500 RPMS.
			14 0.069"	753	1576		
			12 0.099"	1142	1587		
			20 0.033"	300	578		
#14		14-14	18 0.044"	342	914		#14 Metal to metal fastening, used for heavy gauge metal attachment. Can attach 8-18 gauge metal. Recommended drive speed of 2,500 RPMS
			16 0.005"	637	1308		
			14 0.069"	760	1836		
			12 0.099"	1212	2267		
			20 0.033"	325	609		**High Hat** Had 28% more head height, means greater tool engagement, no slip out, and increased tool life.
			18 0.044"	354	965		
			14 0.069"	772	1941		
			12 0.099"	1175	2468		