

STAR SALES POSI-GRIP FASTENERS														
PULL OUT & SHEAR SPEC CHART														
DATE: 2020/1/2														
REVISION: A														
**These figure are offered only as a guide and are not guaranteed in any way. A proper safety factor must be applied to these values for design purpose.														
**SELF DRILLING SCREW														
DIAMETER	Drill Point	MIN TORSIONAL STRENGTH (LB.IN.)	METAL GAUGE 1 (LB) THICKNESS											
			(LBS.)	25	22	20	18	16	14	12	3/16"	1/4"	3/8"	1/2"
#6-20	#2	24	PULL OUT	122	169	252	408	573	873	1107				
			SHEAR		464	705	755	1130	1188					
#8-18	#2	42	PULL OUT	105	216	315	490	608	1020	1215				
			SHEAR		638	910	1093	1314	1460	1470				
#10-16	#3	61	PULL OUT			384	545	720	1038	1204				
			SHEAR		641	860	1300	1591	1644	1755				
#12-14	#3	92	PULL OUT			313	471	734	1056	1241	2995			
			SHEAR			781	1158	1655	2270					
#12-24	#5	92	PULL OUT				466	695	983	1530	3114	3684		
			SHEAR									2666		3320
#14-14	#1	150	PULL OUT	342	428	562	805	1149						
			SHEAR											
#14-14	#3	150	PULL OUT			309	414	800	1090	1523	4064			
			SHEAR			936	1450	2113	2600	2666				
#14-20	#4	150	PULL OUT			315	404	787	1050	1482	3955	4745		
			SHEAR									2771		2949
**DRYWALL SCREWS														
TYPE OF SCREW	DIAMETER	MIN TORSIONAL STRENGTH (LB.IN.)	METAL GAUGE 1 (LB) OR WOOD THICKNESS											
			(LBS.)	25	22	20	2X4 RED WOOD	3/4" PARTICLE BOARD	2X4 FIR					
Fine Thread	#6	24	PULL OUT	156	230	328								
			SHEAR	429	631	649								
Fine Thread	#7	30	PULL OUT	163	244	336								
			SHEAR	431	656	657								
Fine Thread	#8	39	PULL OUT	108	193	280								
			SHEAR	384	626	878								
Fine Thread	#10	56	PULL OUT	172		395								
			SHEAR	374		860								