

Rectangular Punches

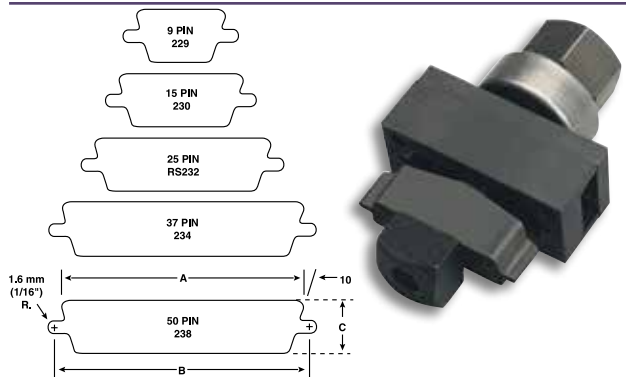


HOLE SIZE		MAXIMUM CAPACITY MILD STEEL		OPERATION TYPE	CAT./UPC NO PUNCH UNIT (INCLUDES PUNCH, DIE, DRAW STUD AND NUTS)	PUNCH	DIE	DRAW STUD	BB DRIVE NUT	COUNTER NUT	MINIMUM PILOT HOLE		WEIGHT		OPTIONAL ADAPTER FOR HYDRAULIC DRIVERS
INCH	MM	GA	MM								INCH	MM	LBS.	KG.	
0.437 x 0.875	11.1 x 22.2	16	1.5	∅Hand/Hydr.	60025	60026	60027	60115	60120	05244	.375	9.5	1.2	.5	60114∅
0.670 x 0.749	17.0 x 19.0	14	2.0	∅Hand/Hydr.	61028	60029	60030	34421	34733	04638	.500	12.7	1.5	.68	33967∅
0.750 x 1.140	19.1 x 29.0	14	2.0	∅Hand/Hydr.	60031	60032	60033	60117	60165	60258	.625	15.9	2.3	1.0	60167∅
0.750 x 1.310	19.1 x 33.3	14	2.0	∅Hand/Hydr.	60034	60035	60036	60117	60165	60258	.625	15.9	2.3	1.0	60167∅
0.861 x 1.018	21.9 x 25.9	14	2.0	∅Hand/Hydr.	60037	60038	60039	60117	60165	60258	.625	15.9	2.3	1.0	60167∅
0.866 x 1.181	22.0 x 30.0	14	2.0	∅Hand/Hydr.	60040	60041	60042	60117	60165	60258	.625	15.9	2.4	1.1	60167∅
0.866 x 1.654	22.0 x 42.0	14	2.0	∅Hand/Hydr.	60043	60045	60046	60117	60165	60258	.625	15.9	2.9	1.3	60167∅
0.990 x 1.140	25.1 x 29.0	14	2.0	∅Hand/Hydr.	60047	60048	60049	60117	60165	60258	.625	15.9	2.6	1.2	60167∅
1.250 x 1.380	31.8 x 35.1	14	2.0	∅Hand/Hydr.	60050	60051	60052	60117	60165	60258	.625	15.9	3.1	1.4	60167∅
1.312 x 2.625	33.3 x 67.9	10	3.5	∅Hand/Hydr.	60053	60054	60055	60118	—	60235	1.188	30.2	5.1	2.3	∅
1.378 x 2.047	35.0 x 52.0	10	3.5	∅Hand/Hydr.	60056	60057	60058	60118	—	60235	1.188	30.2	6.1	2.8	∅
1.378 x 2.559	35.0 x 65.0	10	3.5	∅Hand/Hydr.	60059	60060	60061	60118	—	60235	1.188	30.2	6.8	3.1	∅
1.378 x 3.228	35.0 x 82.0	14	2.0	∅Hand/Hydr.	60062	60063	60064	60118	—	60235	1.188	30.2	7.7	3.5	*
1.378 x 4.409	35.0 x 112.0	14	2.0	∅Hand/Hydr.	60065	60066	60067	60118	—	60235	1.188	30.2	9.2	4.2	*
1.811 x 3.622	46.0 x 92.0	10	3.5	∅Hand/Hydr.	60068	60069	60070	60118	—	60235	1.188	30.2	8.9	4.0	*
2.250 x 3.500	57.2 x 88.9	10	3.5	∅Hand/Hydr.	60071	60072	60073	60118	—	60235	1.188	30.2	10.1	4.6	*
2.677 x 5.433	68.0 x 138.0	14	2.0	∅Hand/Hydr.	60074	60075	60076	60118	—	60235	1.188	30.2	16.1	7.3	*

* For use with with Hand and Foot Pump Hydraulic Drivers with Ram
 ∅ For use with any Greenlee Hydraulic Driver or Battery-Powered Driver

For maximum draw stud life, Greenlee recommends the use of battery or hydraulic drivers

Electronic Connector Panel Punches



- Cut-out and mounting slots are punched in one operation.
- Drill only one 7/16" (11.1 mm) pilot hole. (See page 104 for Kwik Stepper® step bits.)
- Fast, accurate panel punching with no sawing or filing required.
- Universal size punches for front or back mount of TRW Cinch and ITT Cannon-type or equivalent connectors in 9, 15, 25, 37 or 50-pin configurations.

SPECIFICATIONS

Capacity	16 gauge (1.5 mm) mild steel; 10 gauge (3.5 mm) aluminum
Operation	Manual with a wrench; Quick Draw® and Quick Draw 90® hydraulic drivers, Battery Driver, Ram and Pump hydraulic drivers aluminum

PUNCH UNIT		NO. OF PINS	DIMENSIONS			DRAW STUD	SQUARE COUNTER NUT	DRIVE NUT	WEIGHT	
CAT. NO.	UPC NO.		A	B	C				LBS.	KG
229	34436	9	.787" (20.0 mm)	.982" (24.9 mm)	.469" (11.9 mm)	34421	04638	34733	1.4	.64
231	34437	15	1.127" (28.6 mm)	1.309" (33.3 mm)	.469" (11.9 mm)	34421	04638	34733	1.5	.68
RS232	34420	25	1.6555" (42.0 mm)	1.853" (47.1 mm)	.469" (11.9 mm)	34421	04638	34733	2.0	.91
234	34429	37	2.296" (58.3 mm)	2.497" (58.3 mm)	.469" (11.9 mm)	34421	04638	34733	2.0	.91
238	34444	50	2.201" (55.9 mm)	2.402" (61.0 mm)	.579" (14.7 mm)	34421	04638	34733	2.0	.91

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