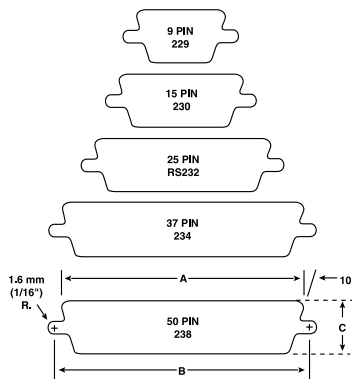


Electronic Connector Panel Punches



- Cut-out and mounting slots are punched in one operation
- Drill only one 7/16" (11.1 mm) pilot hole (see page 118 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 ga (1.5 mm) mild steel; 10 ga (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

SET			DIMENSIONS			WEIGHT				
CAT NO.	UPC NO.	NO. OF PINS	A	B	C	DRAW STUD	BB DRIVE NUT	SQUARE COUNTER NUT	LB	KG
229	783310344360	9	.787" (20.0 mm)	.982" (24.9 mm)	.469" (11.9 mm)	34421	34733G	2929AV	1.4	.64
231	783310344377	15	1.127" (28.6 mm)	1.309" (33.3 mm)	.469" (11.9 mm)	34421	34733G	2929AV	1.5	.68
RS232	783310344209	25	1.6555" (42.0 mm)	1.853" (47.1 mm)	.469" (11.9 mm)	34421	34733G	2929AV	2.0	.91
234	783310344292	37	2.296" (58.3 mm)	2.497" (63.3 mm)	.469" (11.9 mm)	34421	34733G	2929AV	2.0	.91
238	783310344445	50	2.201" (55.9 mm)	2.402" (61.0 mm)	.579" (14.7 mm)	34421	34733G	2929AV	2.0	.91

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