

FI 8510-20M

STANDARD FEATURES

- 85-ton punch station (1-1/16" in 1")
- Keyed punch ram for safety
- 10" throat depth
- Punch gauging table with fence and scale
- Die holder complete with 2" die insert
- Punch nut with wrench & stripper
- Adjustable swing-away stripper
- One round punch & die: max. diameter 1-1/4"
- Punch jog control
- Adjustable electric stroke control with scale
- Electric remote foot pedal
- 6" x 6" x 1/2" slug-less angle shear
- 20" flat bar shear
- Shear table with miter fence
- Rod shear capacity 1-1/2" round, 1-1/4" square
- Slug receptacles
- Rectangle notcher capacity: 3" x 5" x 1/2"
- Notcher table with scale and guide
- Two-stage hydraulic pump
- Electrical box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 volt / 3-ph electric (must specify voltage)
- All guards necessary to comply with ANSI B 11-5 standards
- Forklift accommodations
- Three-year warranty on parts
- Made in the USA

SINGLE OPERATOR

5 STATIONS



CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	85 ton (77 mt) 1-1/16" in 1" (27 mm in 25 mm)	Strut Shear	Samples Required
Special Tooling	4" Max. Dia. (100 mm Max. Dia.)	Rod Shear	Round Rod Square Rod
Throat Depth	10" (250 mm)		1-1/2" (38 mm) 1-1/4" (32 mm)
Flat Bar Shear	20" Length, (500 mm) 1" x 12", (25 x 300 mm) 3/4" x 20" (19 x 500 mm)	Square Tube Shear	1/2" to 2", 12 gauge (12 mm to 50 mm, 2.75 mm)
Angle Shear 90° (45° with Bar Shear)	6" x 6" x 1/2" (150 x 150 x 12 mm) 4" x 4" x 1/2" (100 x 100 x 12 mm)	Picket Tool	1/2", 3/4" & 1" (12 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
Brake 12" Brake 24"	85 ton (77 mt) 85 ton (77 mt)	Offset Die Holder	Max. 40 ton (36 mt)
Open End Brake	Max. 1/4" x 5" (6 x 125 mm) Flat or Angle Iron	Strokes per minute in light material	35 spm (1/4" stroke) [Punch Station]
Pipe Notcher Schedule 40	3/4", 1" (19 mm, 25 mm) 1-1/4" (32 mm) 1-1/2", 2" (38 mm, 50 mm)	Strokes per minute in heavy material	14 spm (3/4" stroke) [Punch Station]
90° V-Notcher	6" x 6" x 5/16" (150 x 150 x 8 mm)	Hydraulics	2,600 psi (183 bar)
Rectangle Notcher 90° V-Notcher	3" x 5" x 1/2" (75 x 125 x 12 mm) 3" x 3" x 1/2" (75 x 75 x 12 mm)	Motor Standard	5 hp 3 ph (3.76 kW) 230/460 208/380/575
Channel Shear	2" to 6" adj. (50 mm to 150 mm adj.)	Motor Optional	5 hp 1 ph (3.76 kW) 230 v
		Dimensions	W-30" (76 cm) L-67" (168 cm) H-77" (195 cm)
		Shipping Weight	4,554 lbs. (2,065 kg)



DO 8514-20M

DUAL OPERATOR
5 STATIONS

3 YR. WARRANTY
MADE IN THE U.S.A.

STANDARD FEATURES

- Dual operator allows for two operators to work at the same time at full capacity
- 85-ton punch station (1-1/16" in 1")
- Keyed punch ram for safety
- 14" throat depth
- Punch gauging table with fence and scale
- Die holder complete with 2" die insert
- Punch nut with wrench & stripper
- Adjustable swing-away stripper
- One round punch & die: max. diameter 1-1/4"
- Punch jog control
- Two adjustable electric stroke controls with scale
- Two electric remote foot pedals
- Two 2-stage hydraulic pumps
- Two valves
- 6" x 6" x 1/2" slug-less angle shear
- Rectangle notcher: 2" x 4" x 1/2" can be converted to 3" x 3" V-Notcher, 50-ton punch station, and 6" open end brake
- 20" flat bar shear
- Shear table with miter fence
- Rod shear: 1/2", 3/4", 1", 1-1/2" round and 1-1/2" square
- Slug receptacles
- Electrical box supplied with emergency palm button and lock-out tag-out accommodations
- 230/460 volt / 3-ph electric (must specify voltage)
- All guards necessary to comply with ANSI B 11-5 standards
- Forklift accommodations
- Three-year warranty on parts
- Made in the USA

CAPACITIES AND SPECIFICATIONS

RATED ON: A36 MILD STEEL / 65,000 PSI TENSILE

Punching Capacity	85 ton (77 mt) 1-1/16" in 1" (27 mm in 25 mm)	Strut Shear	Samples Required
Special Tooling	4" Max. Dia. (200 mm Max. Dia.)	Rod Shear	
Throat Depth	14" (350 mm)	Round Rod (Max.)	1/2", 3/4", 1", 1-1/2", (13 mm, 19 mm, 25 mm, 38 mm)
Flat Bar Shear	20" Length, (500 mm) 1" x 16", (25 x 400 mm) 3/4" x 20" (19 x 500 mm)	Square Rod (Max.)	1-1/2" (38 mm)
Angle Shear 90° (45° with Bar Shear)	6" x 6" x 1/2" (150 x 150 x 13 mm) 4" x 4" x 1/2" (100 x 100 x 13 mm)	Square Tube Shear	1/2" to 2", 12 gauge (12 mm to 50 mm, 2.75 mm)
Brake 12" Brake 24"	85 ton (77 mt) 85 ton (77 mt)	Picket Tool	1/2", 3/4" & 1" (13 mm, 19 mm, 25 mm) 16 gauge (1.6 mm)
Open End Brake	5" x 5/8" (125 x 16 mm)	Offset Die Holder	Max. 40 ton (36 mt)
Pipe Notcher Schedule 40	3/4", 1" (19 mm, 25 mm) 1-1/4" (32 mm) 1-1/2", 2" (38 mm, 50 mm)	Strokes per minute in light material	48 spm (1/4" stroke) [Punch Station]
90° V-Notcher (Punch Station)	6" x 6" x 5/16" (150 x 150 x 8 mm)	Strokes per minute in heavy material	20 spm (3/4" stroke) [Punch Station]
Rectangle Notcher 90° V-Notcher (Notcher Station) Punch Attachment for Notcher Station Throat Depth w/Punch attachment	2" x 4" x 1/2" (50 x 100 x 13 mm) 3" x 3" x 1/2" (75 x 75 x 12 mm) 50 ton 1-1/4" in 1/2" (32 mm in 12 mm) 4-7/16"	Hydraulics	3,350/3,800 psi (231/262 bar)
Channel Shear	2" to 6" (50 mm to 150 mm)	Motor Standard	10 hp 3 ph (7.46 kW) 230/460 208/380/575
		Motor Optional	10 hp 1 ph (7.46 kW) 230 v
		Dimensions	W-30" (76 cm) L-70" (178 cm) H-77" (195 cm)
		Shipping Weight	5,504 lbs. (2,496 kg)