PEARSON

Hydraulic Guillotine Shears

capacity 10 gauge (3.5 mm) m.s. plate

SPECIFICATIONS

Bracketed dimensions are in millimetres

Code No.	4018	6018	8018	1018	1218	1418	1618	1818	2018
Shearing Length	4'0" (1219)	6'0" (1829)	8'0" (2500)	10'0" (3048)	12'0" (3658)	14'0" (4267)	16'0" (4877)	18'0" (5486)	20'0" (6096)
Depth of Gap	12" (305)	12" (305)	12" (305)	12" (305)	12" (305)	12" (305)	12" (305)	12" (305)	12" (305)
Motor H.P.	7½	7½	7½	7½	12	12	12	15	15
Strokes per minute	33 to 60	30 to 60	25 to 55	22 to 53	20 to 50	16 to 42	12 to 30	10 to 25	9 to 22
Table arms — length	54" (1370)	54" (1370)	54" (1370)	54" (1370)	54" (1370)	54" (1370)	54" (1370)	54" (1370)	54" (1370)
Table arms — number fitted	2	3	3	4	4	4	5	5	6
Back-gauge reach	30" (760)	30" (760)	30" (760)	30" (760)	30" (760)	30" (760)	30" (760)	30" (760)	30" (760)
Number of hold-down jacks	5	7	9	11	13	15	17	19	21
OVERALL DIMENSIONS — length	6'11" (2100)	8'11" (2710)	10'11" (3350)	12'11" (3940)	15'0" (4560)	16'0" (4880)	18'0" (5500)	21'3" (6500)	23'3" (7100)
Height (above floor)	5'6" (1670)	5'5" (1700)	5'5" (1700)	5'6" (1670)	6'1" (1850)	6'0" (1825)	6'0" (1825)	7'2" (2190)	7'2" (2190)
Under floor projection	—	—	—	—	—	—	—	—	—
Width (arms removed)	5'5" (1700)	5'0" (1520)	5'0" (1520)	5'0" (1520)	5'5" (1700)	5'5" (1700)	5'10" (1780)	6'7" (2010)	6'7" (2010)
Width (arms fitted)	8'2" (2500)	7'9" (2350)	7'9" (2350)	7'9" (2350)	7'9" (2350)	7'9" (2350)	7'9" (2350)	9'3" (2830)	9'3" (2830)
Weight lbs. (kg.)	5,800 (2640)	6,100 (2820)	8,200 (3720)	8,800 (4000)	14,700 (6680)	16,000 (7280)	18,700 (8500)	34,600 (15700)	38,100 (17300)

NOTES: 1. All models will cut their rated length, (plus an adequate margin for normal rolling tolerance) clear between frames.
2. All data are given purely for reference purposes and we reserve the right to make alterations without notice.
3. Specifications of longer machines available on request.

General Description :

Main Frame—all welded best quality rolled steel.
Pump—Pearson multi-cylinder, radial type with automatically variable output.
Control Valve—linked to a foot pedal, gives operator full control of blade movement.
Safety Valve—protects frame and hydraulic system against overloading.
Hold-down Jacks—are hydraulic and function individually.
Top Blade—carrier pivots on roller bearing trunnions, eliminating guides, and assuring a cut of roller-bearing accuracy. Pivot is eccentrically mounted for blade gap setting.
Bottom blade is mounted on an adjustable bolster, and has four cutting edges.
Top Blade has two cutting edges. Blades are of special alloy steel.
Return Stroke—Operated by independent accumulator system, assures quick action with safety.

Standard equipment includes :

Power backstop (with auto-lift bar).
Rapid Blade Gap Setting (on 14' models and upwards only).
Table arms. Left-hand arm with squaring face and graduated scale.
Blade, jack and throat guards. Special alloy blades for cutting m.s., s.s. or thin gauge material. Fluorescent light on line of cut.
Tecalemit grease gun and Allen keys.
Note:- Inch or metric calibrations available.

Standard electrical equipment :

Continuously rated squirrel cage motor. 110 volt control circuit.
D.T.L. starter up to 7½ h.p., S.D. above 7½ h.p., with cartridge fuses and isolator switch.

Optional extras :

Spare special alloy blades.
Disappearing front-stops.
Angling front-gauge, with protractor.
Graduated scales on all table arms.
Fall-away support for thin plates.
Magnetic support for thin plates.
Contact shearing.
Increased length of squaring and/or table arms.
Over-size hold-down jacks.
Snap-on rubber hold-down jack shoes.
Adjustable hold-down pressure.
Auto-cycling, continuous/single stroking.
Increased depth of throat.
Spherical handling rollers.
Stroke limitation device.
Remote electrical pedal.
Dual inch/metric graduations.
One-shot or automatic lubrication.
Re-settable stroke counter.
Scrap chute.

PEARSON Shears are built from 10 gauge to 2" m.s. capacity. Press Brakes from 50 to 1,200 tons.

PEARSON MACHINE TOOL CO. LTD.

Walker, Newcastle upon Tyne, NE6 3QS

Phone: Wallsend 0632-625101 Grams: 'Preshear' Newcastle Telex: 53679
Canadian Branch: 48 Six Point Road, Toronto 18, Ontario. Phone: 239 3091 Grams: 'Preshear' Telex: 22746
Australian Branch: 87 Carnarvon Street, Auburn, Sydney, NSW. Phone: 648 3711 & 648 3409 Grams: 'Pearpres'
South African Branch: P.O. 394, Kempton Park, Johannesburg, Transvaal. Phone: 975 6313 Grams: 'Preshear' Telex 43-8296

NORTH AMERICAN STANDARDS
U.S.A.—Dual voltage electrics, 220/440 V.
110 V. controls and fluorescent lighting.
Square D control equipment (D.T.L. Starters)
Set of Wrenches.
CANADA—As above, but single voltage electrics 208, 220, 440 or 550 V

L3/7/73 Printed in Gt. Britain RW&A/4037