

ABS Shears



Safety Guards or Mechanisms may be Removed for Photo Purposes Only

Developed with an emphasis on economy, the Harris line of ABS shears has proven to be fast and economical, meeting the needs of scrap processors around the world. ABS employs a unique concept in design; a pre-compression charging box in which one half of the box opens to accept scrap, and the other half remains rigid with the "Tuck-and-Fold" flipper. All this plus the dependable, heavy-duty construction found in more expensive shears makes the ABS shear a wise choice for any yard.

Other exclusive features include external gib and knife adjustments, Harris cylinders, an easy-to-service power pack, and Teflon-protected pistons for minimum friction and more hours of trouble-free operation.

Processes

Steel Mill Scrap

Shapes

Pipe and Plate

No. 2 Heavy Melting Scrap

Selected No. 1 Heavy Melting Scrap



Harris

Press & Shear

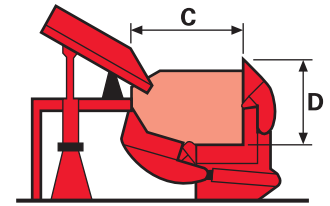
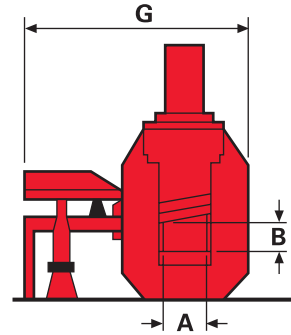
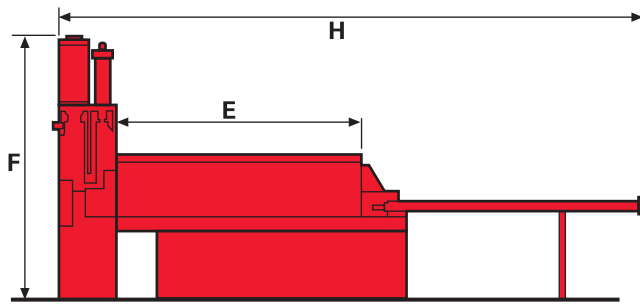
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ABS Shears



Model #		ABS-623B	ABS-800B	ABS-1000B
Shear Throat	A x B	36" x 24" 914 x 610mm	36" x 24" 914 x 610mm	36" x 24" 914 x 610mm
Shear Box (open)	width C	72" (1829mm)	72" (1829mm)	72" (1829mm)
	depth D	42" (1067mm)	42" (1067mm)	42" (1067mm)
	length E	20'0" (6096mm)	20'0" (6096mm)	26'0" (7925mm)
Maximum Height	F	20'11" (6375mm)	20'6" (6248mm)	21'9" (6629mm)
Overall Width	G	18'3" (5563mm)	18'5" (5613mm)	21'5" (6528mm)
Overall Length (excl. pipe)	H	48'4" (14732mm)	49'4" (15037mm)	62'10" (19152mm)
Shear Force	ton	604	803	1016
Shearing Capacity (mild steel)		2½" x 34"	3" x 34"	4" x 34"
		57mm x 864mm	76mm x 864mm	108mm x 864mm
Clamp Force	ton	137	201	254
Cuts per Minute (full plate rate)		3 - 3.5	3.5 - 4	3.5 - 4
Maximum Cuts per Minute		6	8	8
Production Rate	(TPH)	7 - 13	10 - 18	14 - 22
Horsepower		100	200	300
Gross Weight	tons	98	110	177
Hydraulic System				
	(GPM-PSI)	(2) 50@3850	(4) 50@3550	(6) 50@3300
		100@1100	(2) 100@1100	(3) 100@1100
		100@1700	(2) 100@1700	(3) 100@1700
Cylinders	(Dia. / Force)			
Shear	in/ton	20 / 604	24 / 803	28 / 1016
	mm/tonne	508 / 499	610 / 728	711 / 922
Clamp	in/ton	10 / 137	12 / 201	14 / 254
	mm/tonne	254 / 124	305 / 182	356 / 230
Feed	in/ton	6 / 42	6 / 42	10 / 130
	mm/tonne	152 / 38	152 / 38	254 / 118
Side	in/ton	(3) 6 / 126	(3) 6 / 126	(2) 9 / 210
	mm/tonne	(3) 152 / 114	(3) 152 / 114	(2) 229 / 191
Arm	in/ton	(2) 6 / 84	(2) 6 / 84	(2) 7 / 126
	mm/tonne	(2) 152 / 76	(2) 152 / 76	(2) 178 / 114
Hopper	in/ton	6 / 42	6 / 42	6 / 47
	mm/tonne	152 / 38	152 / 38	152 / 43