

# DEMOLITION EQUIPMENT



*SH EAGLE II  
SCRAP SHEAR*

## SH EAGLE II SCRAP SHEAR



Dedicated shears are for many different work applications, including demolition of steel structures, processing steel in scrap applications and many others. The EAGLE II offers increased productivity through more power, improved jaw design and better blades. The blades can be changed quickly and easily, minimizing machine downtime, optimizing productivity.





# FEATURES



## 1 NEW PIERCING TIP

Bolted blades eliminate time-consuming rebuilding of the tip.

## 2 DOUBLE GUIDE

Twin guide for the movable jaw ensures perfect alignment.

## 3 ALL NEW BLADES

The blades' rhomboid shape reduce stress on the jaws. Each blade can be turned effectively three times. Threaded blades make them easy to remove and install.



## 4 FRONTAL BLADE

The front blade ensures accurate shearing with the tip, which can be turned.



## 5 NEW JAW DESIGN

New fixed jaw design increases cutting capacity, allowing material to easily fall away.

## 6 SPECIAL SPEED VALVE

Reduced cycle times. Regenerating power when required. Protection for the shear, eliminating pressure peaks.



## 7 ROTATING GROUP WITH ANTICAVITATION VALVE

360° continuous rotation. Always the best the positioning of the shear.



## 8 ALL NEW CYLINDERS

Increased cylinder size for 20 percent more power. Forged cylinder rod for better functionality and security. Reversed cylinder installation for full rod protection.



## 9 NEW MANTO-AUTOLUBE SYSTEM®

Heavy shears above 15,500 pounds are equipped with the "Manto-Autolube", a unique total shear greasing system.



## 10 CENTRAL PIN ADJUSTMENT KIT

A unique central pivot pin layout allows for regular adjustment of the pin to ensure perfect shearing. The fully protected the pin can be removed for maintenance of all related parts.

# DATA

General Specifications		Units	SH25R	SH50R	SH100R	SH130R	SH180R
Weight (without standard coupler)		lb	750	1,257	2,161	2,425	4,189
		kg	340	570	980	1100	1900
Working Pressure Range		psi	2,900 - 3,626	3,626 - 4,351	3,626 - 4,351	3,626 - 4,351	4,641 - 5,076
		bar	200 - 250	250 - 300	250 - 350	250 - 350	320 - 350
Oil Flow Required		gpm	16 - 26	24 - 32	24 - 29	24 - 29	40 - 53
		lpm	60 - 100	90 - 120	90 - 110	90 - 110	150 - 200
Open Time		second	1.8	2	3	3	2.6
Close Time		second	2.4	2.8	2.4	2.4	1.9
Cycles/min at Maximum Oil Flow		cycle	14.3	12.6	11.2	11.2	13.5
Cylinder Output		lb	83,776	116,845	167,551	7167,551	240,304
		tonne	38	53	76	6	109
Maximum Opening		in	7.7	9.4	14.8	14.8	17.5
		mm	195	240	375	375	445
Jaw Depth		in	7.9	11.4	15.6	15.6	20.7
		mm	200	290	395	395	525
Height		in	53.1	74.8	78.7	82.7	106.3
		mm	1350	1900	2000	2100	2700
Cutting Table	Rod	in / mm	1.6 / 40	2.0 / 50	2.2 / 55	2.2 / 55	2.6 / 65
	Tube	in	4.5 x 0.2	5.0 x 0.2	6.2 x 0.2		
		mm	114 x 4	127 x 6	159 x 6	159 x 6	203 x 8
	IPE	in / mm	4.7 / 120	7.9 / 200	9.4 / 240	9.4 / 240	14.2 / 360
	HEA	in / mm	n/a	4.7 / 120	7.9 / 200	7.9 / 200	11 / 280
	HEB	in / mm	n/a	3.1 / 80	4.7 / 120	4.7 / 120	7.9 / 200
	Plate	in / mm	0.3 / 8	0.4 / 10	0.5 / 12	0.5 / 12	0.6 / 15
	L profile	in	4.7 x 0.4	6.3 x 0.5	5.5 x 0.5	5.5 x 0.5	7.9 x 0.6
		mm	120 x 10	160 x 12	140 x 12	140 x 12	200 x 15
Rail		in / mm	n/a	n/a	n/a	n/a	n/a
Recommended Carrier Weight - 2nd Member		lb	4,400 - 8,800	8,800 - 13,200	15,400 - 22,100	17,600 - 26,500	30,800 - 40,000
		tonne	2 - 4	4 - 6	7 - 10	8 - 12	14 - 18
Recommended Carrier Weight - 3rd Member		lb	8,800 - 13,200	13,200 - 19,900	22,000 - 26,500	28,600 - 37,500	39,600 - 59,600
		tonne	4 - 6	6 - 9	10 - 12	13 - 17	18 - 27

\* Tensile strength Rm = 53,000 psi  
All dimensions and specifications are approximate and subject to change without notice.

General Specifications		Units	SH310R	SH410R	SH550R	SH700R	SH900R	SH2000R
Weight (without standard coupler)		lb	6,504	9,700	12,125	16,314	20,723	39,683
		kg	2950	4400	5500	7400	9400	18000
Working Pressure Range		psi	4,641 - 5,076	4,641 - 5,076	4,641 - 5,076	4,641 - 5,076	4,641 - 5,076	4,641 - 5,076
		bar	320 - 350	320 - 350	320 - 350	320 - 350	320 - 350	320 - 350
Oil Flow Required		gpm	53 - 66	66 - 79	72 - 99	132 - 158	158 - 185	185 - 264
		lpm	200 - 250	250 - 300	275 - 375	500 - 600	600 - 700	700 - 1000
Open Time		second	4.3	5	5.3	4.8	6.3	9.5
Close Time		second	2.5	4	4.3	2.8	3.2	4.7
Cycles/min at Maximum Oil Flow		cycle	8.8	6.7	6.2	7.9	6.3	4.2
Cylinder Output		lb	319,670	440,924	544,541	659,181	875,234	1,338,204
		tonne	145	200	247	299	397	607
Maximum Opening		in	22.2	26.4	29.9	32.7	37	47.2
		mm	565	670	760	830	940	1200
Jaw Depth		in	24.8	28.3	30.7	33.1	37.4	47.2
		mm	630	720	780	840	950	1200
Height		in	129.9	145.7	155.5	169.3	181.1	236.2
		mm	3300	3700	3950	4300	4600	6000
Cutting Table	Rod	in / mm	3.3 / 85	39. / 100	4.3 / 110	5.1 / 130	6.3 / 160	6.7 / 170
	Tube	in	12.7 x 0.4	16 x 0.5	20 x 0.6	22 x 0.6	28 x 0.8	36 x 0.6
		mm	324 x 10	406 x 12	508 x 14	560 x 16	711 x 20	914 x 15
	IPE	in / mm	19.7 / 500	23.6 / 600	27.6 / 700	31.5 / 800	35.4 / 900	43.3 / 1100
	HEA	in / mm	13.4 / 340	15.7 / 400	19.7 / 500	25.6 / 650	27.6 / 700	39.4 / 1000
	HEB	in / mm	11 / 280	11.8 / 300	14.2 / 360	17.7 / 450	19.7 / 500	31.5 / 800
	Plate	in / mm	0.8 / 20	1.0 / 25	1.0 / 25	1.2 / 30	1.4 / 35	1.6 / 40
	L profile	in	7.9 x 0.8	7.9 x 1.0	9.8 x 1.0	11.8 x 1.2	13.8 x 1.2	15.7 x 1.4
		mm	200 x 20	200 x 25	250 x 25	300 x 30	350 x 30	400 x 35
Rail		in / mm	1.4 / 36	n/a	n/a	n/a	n/a	n/a
Recommended Carrier Weight - 2nd Member		lb	44,000 - 62,000	61,700 - 85,900	85,900 - 99,200	99,200 - 132,300	132,200 - 176,400	242,500 - 330,700
		tonne	20 - 28	28 - 39	39 - 45	45 - 60	60 - 80	110 - 150
Recommended Carrier Weight - 3rd Member		lb	62,000 - 85,900	85,900 - 110,200	112,400 - 143,300	154,300 - 198,500	200,600 - 242,600	374,700 - 441,000
		tonne	28 - 39	39 - 50	51 - 65	70 - 90	91 - 110	170 - 200

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