

**XS Series Mobile Scrap & Demolition  
Shears with 360° Rotation**  
for carriers of 22,000 lbs. and heavier



***The XS Series Mobile  
Scrap and Demolition  
Shears provide versatility  
and power with full 360°  
hydraulic rotation.***

Muscle Mate's new XS Series of Mobile Scrap & Demolition Shears are superior tools with all the very latest features for scrap yards and demolition sites, ideally designed for demolishing steel structures, scrapping motor vehicles, rail cars, ships and tanks, cutting large tires to size, and general processing of industrial and mixed scrap. They are also very productive when used for cutting cable and steel wire, railway rails and concrete demo with heavy rebar.

- **360° continuous powered rotation:** Every working position can be accessed quickly and precisely. Large slewing ring allows shears to work in a horizontal position under a high load.
- **Protected power cylinder:** Massive power cylinder's rod is designed for total protection during its cycle; oil is supplied via the piston rod. Cylinder is actually in reversed position: as shear arm closes, the cylinder barrel moves outward while rod remains protected in shear housing.
- **Oversized main bearing:** Large dimension of shear arm bearing means minimal wear to pin and bushing.
- **Highest grade materials:** Shear arm is constructed of wear-resistant fine grain steel; reinforcing plates on both sides serve as wear plates. Main housing is also made from top quality fine grain steel.
- **Advanced arrangement of cutter blades for high productivity:** Front cutter, wear cutter and wear tip interact to allow thin-walled objects and components to be swiftly pierced and cut: tanks, motor vehicles, chassis, etc. are processed with ease. Unique wear tip ensures rapid penetration of shear arm through tanks, plate structures, large diameter pipes, etc. Front and side cutters have been positioned and designed to discourage shear arm jamming. Main cutters can be turned four times.

**XS Series Mobile Scrap & Demolition Shears**

For dimensions and specifications see the back of this page.

# Specifications and Dimensions

Model		XS 700	XS 2000	XS 3000	XS 4000	XS 4800	XS 7000 **	XS 9000 **
Approximate weight (w/o bracket)	lbs	2640	3744	6277	8700	11,230	16,755	20,723
	kg	1200	1700	2850	3950	5100	7600	9400
Length (w/o bracket)	in/mm	102.4 / 2600	126.6 / 3125	146.6 / 3725	149.2 / 3790	166.1 / 4220	195.3 / 4960	216.3 / 5495
Jaw opening	in/mm	13.8 / 350	17.7 / 450	21.7 / 550	26.2 / 665	30.5 / 775	33.7 / 855	35.8 / 910
Jaw depth	in/mm	14.2 / 360	18.9 / 480	20.9 / 530	26.2 / 665	29.9 / 760	35.2 / 895	37.2 / 945
Primary cutter length	in/mm	7.9 / 200	9.8 / 250	11.8 / 300	13.8 / 350	15.8 / 400	17.7 / 450	18.9 / 480
Recommended oil flow hydraulic cylinder	gal/min	26 - 42	32 - 53	37 - 58	79 - 106	92 - 145	100 - 160	100 - 160
	l/min	100 - 160	120 - 200	140 - 220	300 - 400	350 - 450	500 - 600	500 - 600
Max. working pressure hydraulic cylinder	psi	5076	5076	5076	5076	5076	5076	5076
	bar	350	350	350	350	350	350	350
Recommended oil flow rotation system	gal/min	1.6 - 2.1	1.6 - 2.1	1.6 - 2.1	2.1 - 2.6	2.1 - 2.6	3 - 5	3 - 5
	l/min	6 - 8	6 - 8	6 - 8	8 - 10	8 - 10	10 - 12	10 - 12
Max. working pressure rotation system	psi	2610	2610	2610	2610	2610	2610	2610
	bar	180	180	180	180	180	180	180
Endless hydraulic rotation	degrees	360	360	360	360	360	360	360
Slewing ring ø pitch circle	in/mm	21.5 / 545	29.3 / 745	33.3 / 845	37.6 / 955	41.5 / 1055	1255	1255
Approx. excavator weight Boom	lbs	22,000 - 30,800	30,800 - 39,600	44,000 - 52,800	52,800 - 66,000	66,000 - 79,300	92,600 - 132,000	132,000 - 198,500
	kg	10,000 - 14,000	14,000 - 18,000	20,000 - 24,000	24,000 - 30,000	30,000 - 36,000	42,000 - 60,000	60,000 - 90,000
Dipper Stick	lbs	30,800 - 39,600	44,000 - 52,800	57,300 - 66,000	70,500 - 88,100	79,300 - 99,100	132,000 - 176,000	176,000 - 242,500
	kg	14,000 - 18,000	20,000 - 24,000	26,000 - 30,000	32,000 - 40,000	36,000 - 45,000	60,000 - 80,000	80,000 - 110,000

\*\* Note: Hydraulic cylinder with speed valve

Model		XS 700	XS 2000	XS 3000	XS 4000	XS 4800	XS 7000	XS 9000
Narrow I-beams: I-range	in	8.6 x 3.8	11.8 x 4.9	13.3 x 5.3	15.7 x 6.1	18.5 x 7.1	21.7 x 7.9	23.6 x 8.5
	mm	220 x 98	300 x 125	340 x 137	400 x 155	470 x 180	>550 x 200	>600 x 215
Med. wide I-beams: IPE-range	in	9.4 x 4.7	13.0 x 6.3	15.7 x 7.0	19.7 x 7.8	22.0 x 7.8	29.5 x 9.1	29.5 x 9.1
	mm	240 x 120	330 x 160	400 x 180	500 x 200	>560 x 200	750 x 230	>750 x 230
Wide I-beams: IPB/HEB-range	in	4.7 x 4.7	7.7 x 7.7	7.8 x 7.8	9.4 x 9.4	10.2 x 10.2	15.7 x 11.8	19.7 x 11.8
	mm	120 x 120	180 x 180	200 x 200	240 x 240	>260 x 260	>400 x 300	500 x 300
Wide I-beams: IPBL/HEA-range	in	5.2 x 5.5	8.2 x 8.6	9.8 x 10.2	11.4 x 11.8	13.4 x 13.8	21.7 x 11.8	27.2 x 11.8
	mm	133 x 220	210 x 220	250 x 260	290 x 300	340 x 350	550 x 300	>690 x 300
Wide I-beams: IPBv/HEM-range	in	n/a	4.7 x 4.1	6.3 x 5.7	7.8 x 7.3	9.1 x 8.3	10.6 x 9.8	12.2 x 11.3
	mm		120 x 106	160 x 146	200 x 186	>230 x 210	>270 x 248	>310 x 288
Normal U-channel steel	in	7.0 x 2.7	11.8 x 3.9	14.9 x 4.0	17.7 x 4.7	19.7 x 4.9	25.6 x 4.9	25.6 x 4.9
	mm	180 x 70	300 x 100	380 x 102	450 x 120	>500 x 125	650 x 125	>650 x 125
Normal angle iron steel	in	4.7 x 0.47	7.0 x 0.78	7.8 x 0.78	7.8 x 0.94	7.8 x 0.94	7.8 x 0.94	7.8 x 0.94
	mm	120 x 12	180 x 20	200 x 20	>200 x 24	>200 x 24	>200 x 24	>200 x 24
Hot rolled solid round steel	in	ø 2.28	ø 3.54	ø 4.09	ø 4.72	ø 5.5	ø 6.5	ø 6.7
	mm	58	90	104	120	140	165	170
Hot rolled square bar steel	in	1.97 x 1.97	3.1 x 3.1	3.5 x 3.5	4.1 x 4.1	4.7 x 4.7	5.7 x 5.7	5.9 x 5.9
	mm	50 x 50	80 x 80	90 x 90	105 x 105	120 x 120	145 x 145	150 x 150

## Quality and dependability: two features you can count on with every MUSCLE MATE product.

All MUSCLE MATE products are engineered for superior performance, manufactured to the most exacting specifications, and—within the guidelines of the industry's most rigid quality control program—thoroughly inspected at every stage of production. All working parts are precision-machined to the closest tolerances, and all materials meet or exceed the highest industry standards. These are but a few of the many vital reasons major contractors worldwide choose our products.

*They know that with MUSCLE MATE, reliability is crucial; a basic component conscientiously built into every unit that bears our name.*



**Muscle Mate is a Tramac Corporation brand.**

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