



MSD SABER SERIES MOIBILE SHEARS APPETITE GUIDE



MILD STEEL AND CONCRETE - U.S. STANDARD (METRIC)

MODEL	I-BEAM*	H-BEAM*	PLATE**	SOLID ROUND	SOLID SQUARE	PIPE***	CONCRETE
MSD 7R	7" (178)	--	.25" (7)	1.25" (32)	--	5" (127)	8" (203)
MSD800	10" (254)	8" (203)	0.38" (9.6)	2.0" (51)	1.75" (44)	8" (203)	10" (254)
MSD1000	12" (305)	8" (203)	.5" (13)	2.5" (63)	2" (51)	10" (254)	12" (305)
MSD1500/R	16" (406)	10" (254)	.63" (16)	3" (76.19)	2.75" (70)	14" (355)	20" (508)
MSD2000R	20" (508)	12" (305)	.88" (22)	3.5" (89)	3.25" (82)	18" (457)	24" (609)
MSD2250/R	20" (508)	14" (355)	1.25" (31.75)	5" (127)	4.25" (108)	18" (457)	26" (660)
MSD2500/R	24" (610)	13" (381)	1.13" (29)	4.5" (114)	4.25" (108)	24" (610)	28" (711)
MSD3000/R	30" (762)	18" (457)	1.25" (31.75)	5" (127)	4.75" (121)	26" (660)	32" (812)
MSD4000/R	34" (864)	22" (559)	1.38" (35)	5.5" (140)	5" (127)	28" (711)	35" (889)
MSD4500/R	34" (864)	22" (559)	1.38" (35)	5.5" (140)	5" (127)	28" (711)	35" (889)
MSD7500/R	38" (965)	27"	1.5" (38)	6.5" (165)	6" (152)	32" (813)	38" (965)
MSD9500/R	44" (1160)	30"	1.63" (41)	7" (177)	6.5" (165)	38" (965)	42" (1066)

This data reflects a normal appetite in normal usage and may not reflect the maximum size of each shape that can be cut. The actual results may vary depending upon actual material construction, steel properties, excavator performance, operator competence, etc. Proper maintenance of the shear is required for maximum cutting performance. * Appetite for Lube Series increases 10% in enclosed cutting cycle of beams, bars, and pipe.* Beams larger than the shear can process in one cut can easily be processed in most cases by piercing the web on the first cut and finishing with a second cut. Please note that there are many different styles of beams and structural shapes with varying web, flange, and plate thicknesses, which may affect these appetite figures. **Plate thickness dimensions reflect the capacity of the shear to pierce plate at the tip that occurs in many various applications (tank processing, railcar processing, etc.). Each model can cut thicker material, provided it will fit in the jaws without having to pierce it. ***Pipe dimensions shown include schedule 40, mild steel pipe only. Other materials (stainless steel, cast, etc.) and varying wall thicknesses will affect these appetite figures. ****The figures shown are for 3000-4000 psi concrete. The shear's actual capacity can vary, depending upon the condition of the concrete, aggregate type, rebar size and spacing, excavator performance, operator competency, maintenance of the shear, etc.