

ON-TRACK

Railway Services Ltd.

Moley Magnetics Mobile Hydraulic Shears



*Moley Magnetics -
Satisfying All Your Lifting
Needs*

Moley HSS Hydraulic Shears Feature:

Four Turn blades for maximum cutting life

15% Increased force compared to standard shears

Strengthened cylinder with longer stroke and speed valve

Increased stability with huge main pin area

*Super -Reinforced totally closed upper body protects cylinder
and prevents distortion.*

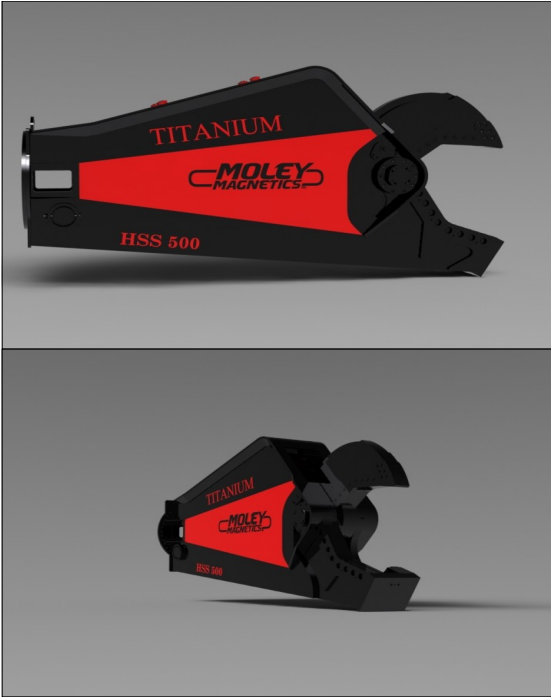
On-Track Railway Services Ltd.
RR6, Box 227A
55024 Range Road 234
Edmonton, AB T5B 4K3

Phone: 1 888 973 6003
Fax: 1 877 973 2214
Email: moley@otrx.ca

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HSS Shears Weights and Sizes



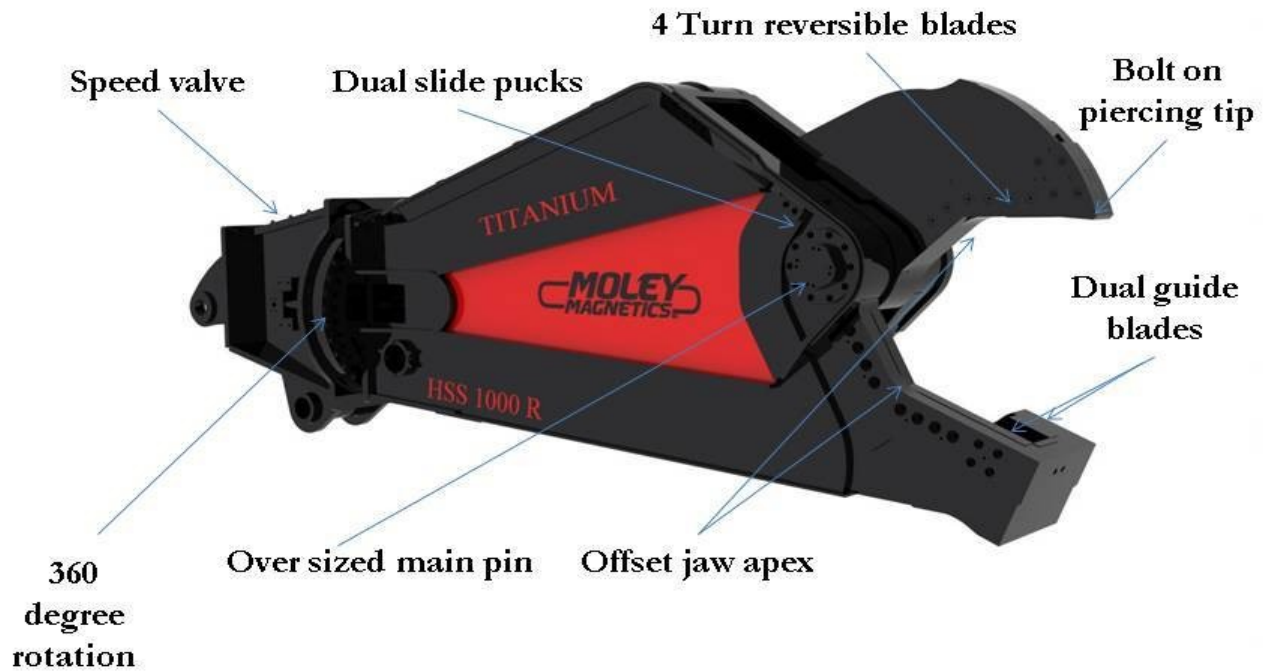
Model	Weight	Weight	Opening	Opening	Force	Excavator Weight Minimum		Excavator Weight Minimum	
						2° Member	3° Member	2° Member	3° Member
	Lbs	Kg	Inches	mm	t	t	t	Mt	Mt
HSS 100R	1,543	700	13.8	351	304	4.7	7.7	4,3	7,0
HSS 200R	3,262	1480	18.5	470	445	8.9	14.6	8,1	13,3
HSS 300R	5,291	2400	22.8	580	738	14.5	23.8	13,2	21,6
HSS 400R	7,716	3500	25.9	660	907	21.2	34.7	19,3	31,5
HSS 500R	10,803	4900	27.9	710	988	30	49	27,2	44,6
HSS 600R	12,125	5500	32.1	815	1,314	38	62.4	34,7	56,7
HSS 800R	16,755	7600	35.4	900	1,433	46	75.3	41,8	68,4
HSS 1000R	20,944	9500	37.9	965	1,759	56.9	93.1	51,7	84,6

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HSS Titanium Shears



Features and Benefits

Speed Valve— improves cycle time by up to 50% compared to standard hydraulic systems

Dual Slide Pucks— maintains blades tolerances by diminishing jaw deflection

Offset Jaw Apex— improved shearing resulting from increased pressure

360 Degree Rotation—reduced processing time through improved manipulation of tool and material

Dual Guide Blades— less jams and improved piercing due to dual shim-able guide blades

Over Sized Main Pin— over engineered for robust performance and long life

Bolt on Piercing Tip— bolt on and recessed into the jaw for easy, strong, positive fit

4 Turn Reversible Blades— allows for maximum return on the cost of blades

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Moley HSS Shears Appetite Chart

Model	I Beam*		H Beam*		Plate**		Solid Round		Solid Square		Pipe**		Concrete**	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
HSS 100R	220	8.7	100	3.9	10	0.39	45	1.8	32	1.3	150	6	100	4
HSS 200R	250	9.8	120	4.7	12	0.47	50	2	38	2.5	200	8	300	12
HSS 300R	300	11.8	200	7.9	14	0.55	55	2.2	45	1.8	250	10	350	13.8
HSS 400R	385	15.2	260	10.2	15	0.6	60	2.4	53	2.1	310	12.2	410	16
HSS 500R	460	18.1	310	12.2	19	0.75	75	3	65	2.6	410	16	520	20.5
HSS 600R	540	21.3	380	15	22	0.85	85	3.3	75	3	510	20	600	23.6
HSS 800R	620	24.4	460	18.1	25	1.0	100	3.9	88	3.5	560	22	650	25.6
HSS 1000R	850	33.5	560	22	28	10.5	105	4.1	95	3.7	610	24	735	29

THE ABOVE 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 MATERIAL CONSTRUCTION, STEEL PROPERTIES, ESCAVATOR PERFORMANCE, OPERATOR COMPETENCE, ETC.

PROPER MAINTENANCE OF THE SHEAR IS REQUIRED FOR MAXIMUM CUTTING PERFORMANCE.

** BEAMS LARGER THAN THE SHEAR CAN PROCESS IN ONE CUT CAN BE EASILY 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 STYLE OF BEAMS AND STRUCTURAL SHAPES WITH VARYING WEB, FLANGE AND PLATE THICKNESSES, WHICH MAY AFFECT THESE APPETITE GUIDE.

*** PLATE THICKNESSES DIMENSIONS REFLECT THE CAPACITY OF THE SHEAR TO PIERCE A PLATE AT THE TIP WHICH 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 MILD STEEL PIPE ONLY. OTHER MATERIALS (STAINLESS STEEL, CAST, ETC) AND VARYING WALL THICKNESSES WILL AFFECT THESE APPETITE DATA.*

*****THE FIGURES SHOWN ARE FOR 3000-4000PSI CONCRETE. THE SHEAR'S ACTUAL CAPACITY CAN VARY, DEPENDING*

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