

MOLEY **MAGNETICS** INC.

Moley Magnetics Mobile Hydraulic Shear Appetite



*Moley Magnetics -
Satisfying All Your Lifting
Needs*

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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.



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	1.12	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 UPON THE CONDITION OF THE CONCRETE, AGGREGATE TYPE, REBAR SIZE AND SPACING, ESCAVATOR PERFORMANCE OPERATOR COMPETENCY, MAINTENANCE OF THE SHEAR, ETC.*

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