

## HYDRAULIC STRAIGHTENING PRESSES

**HC SERIES** 



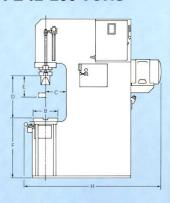


### HYDRAULIC STRAIGHTENING PRESSES-HC-SERIES OPEN GAP TYPE 12-200 TONS

Greenerd gap type straightening presses are widely used in production straightening operations such as the straightening of four-wheel drive axles, machine ways, injection molding screws, extrusions, aircraft weldments, rifle barrels, and precision shafts, gears, and bars to be ground after heat treating.

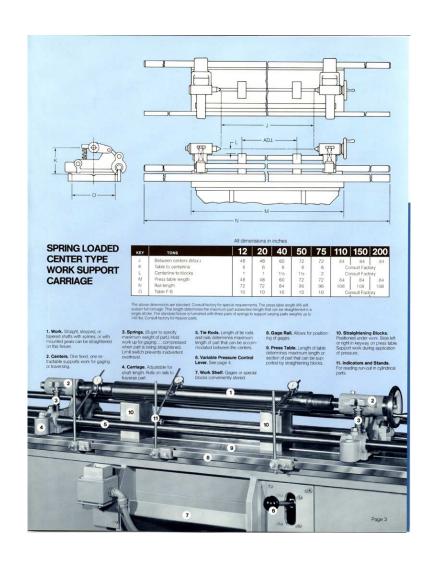
bars to be ground after heat treating.

Straightening requires a special
vpe of hydraulic press, special
controls, and fixturing.
The standard presses
and fixtures shown in
this catalog meet the
requirements of many
applications. They represent
nearly 50 years of experience
in building straightening presses.
Greenerd engineers will provide
assistance in selecting the proper
size press and equipment for your
particular requirement.



All dimensions in inches

KEY	TONS	12	20	40	50	75	110	150	200
	MODEL NO.	HCS-12	HCS-20 8	HCS-40 14	HCS-50 14	HCS-75	HCS-110 21	HCS-150 21	HCS-201
	Ram speed, close IPM	147	94	84	64	41	42	32	24
	Ram speed, press IPM	128	84	72	55	35	39	29	22
	Ram speed, open IPM	241	189	171	131	79	86	66	47
A	Table, left to right	48	48	60	72	72	84	84	84
В	Table, front to back	12	12	1.4	16	16	18	18	18
c	Throat	11	1.1	12	12	13	14	15	16
D	Daylight (max)	24	24	24	24	24	24	24	24
E	Stroke	12	12	12	18	18	18	18	18
F	Floor to table	36	36	36	36	36	36	40	40
G	Overall height	92	92	95	112	113	114	121	122
н	Front to back	70	70	77	82	84	90	94	98
ř.	Ram nose height	6	6	6	6	8	8	10	10
	Cylinder bore	4	5	7	8	10	12	14	16
	Ram dia	21/2	31/2	5	5%	7	81/2	10	111/4
	System pressure, max psi	1910	2038	2080	1990	1910	1947	1990	2000
	Motor HP; 1200 RPM	10	10	20	20	20	30	30	30
	Wgt. approx lbs	4000	5500	7200	10500	14000	15000	20000	25000



### SPRING-LOADED ROLLER VEE BLOCKS



these blocks allow for straightening, positioning, and checking of non-centered work.

MODEL	MIN. DIA.*	MAX. DIA.*
VBR-1	11/2"	21/2"
VBR-2	21/2"	31/2"
VBR-3	31/2"	41/2"
VBR-4	41/2"	6"

### **ADJUSTABLE HEIGHT ANVILS**





For straight shafts as well as stepped diameters and tapers. Adjustable for height. Slides laterally in keyway.

MODEL	MIN. HT.*	MAX. HT.*
AAV-1	41/2"	51/2"
AAV-2	51/2"	7"

# \*Measured from table to top of anvil. \*Please specify maximum weight of part when ordering.



VARIABLE PRESSURE CONTROL

Ram movements and pressure are controlled by this simple time-tested, sensitive lever control. The ram can be advanced to the work and make contact with a feather touch. Further downward pressure on the lever increases the pressure on the work proportionally. Release of the lever releases pressure. Users can straighten work to close tolerances. Operators prefer this control because it provides a "feel". Overtravel mistakes are avoided and damage to work is prevented. A push button engages the left hand during straightening.

### **RAIL EXTENSIONS** AND SUPPORTS

Additional rail lengths and supports can be ordered to accommodate and traverse longer shafts. Consult factory for details.



PLAIN VEE BLOCKS



A pair of solid Vee blocks for round work. Adjust laterally in keyway.

MODEL	MIN. DIA.	MAX. DIA.
VB-1	3/4"	2"
VB-2	2"	4"

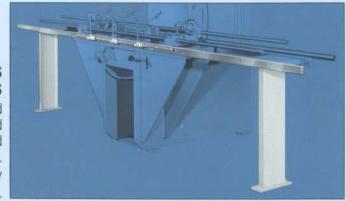
### PLAIN STRAIGHTENING **BLOCKS**





Plain straightening blocks with choice of heights over the table. Blocks slide laterally in the keyway to support work while being straightened.

MODEL	HEIGHT
SB-1	51/2"
SB-2	5"
SB-3	41/2"
SB-4	4"



since 1883



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