

# BIRMINGHAM SLIP ROLLS



**X-5016**  
Manual Slip Roll



**X-2420**  
Manual Slip Roll



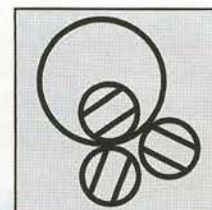
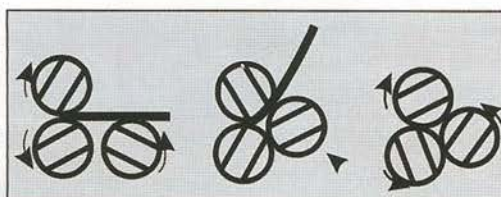
**X-5016E**  
Power Slip Roll

## SPECIFICATIONS:

MODEL	FORMING WIDTH	CAPACITY MILD STEEL	DIAMETER OF ROLL	3 WIRE GROOVES	MIN FORMING RADIUS	GEAR RATIO	ROLL SPEED	MOTOR	NET GROSS WEIGHT, LBS	OVERALL DIMENSIONS, INCH
X-2420	24"	20GA	2"	$\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{4}$ "	1"	1:1	-	-	180(220)	43 x 15 x 21
X-3622	36"	22GA	2"	$\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{4}$ "	1"	1:1	-	-	240(290)	55 x 15 x 21
X-5016	50"	16GA	3"	$\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	3:1	-	-	520(540)	65 x 16 x 20
X-5016E	50"	16GA	3"	$\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	-	16RPM	1HP, 3Ø	720(780)	67 x 26 x 45

## MAIN FEATURES:

- All rolls are made of polished, turned, and ground high grade carbon steel.
- Gear-driven rolls.
- Rigid construction for long life and precision operation
- Front mounted handle to lift upper roll for easy workpiece removal.
- Standard three wire grooves.
- Removable foot pedal control for X-5016E.



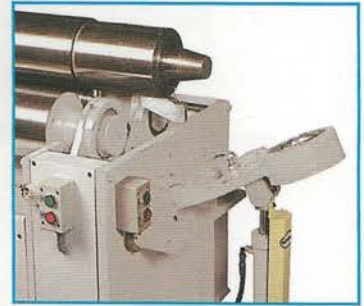


# BIRMINGHAM

## HYDRAULIC PLATE BENDING ROLL MACHINES

### DOUBLE PINCH TYPE

THE DROP END IS TILTED HYDRAULICALLY AT THE OUTBOARD END OF THE TOP ROLL JOURNAL FOR EASY REMOVAL OF THE FINISHED CYLINDER. THE DROP END IS STRONGLY CONSTRUCTED AND MADE TO ELIMINATE TWIST TENDENCY OF THE DROP END FROM BENDING FORCE.



**RH-0606**

#### MAIN FEATURES:

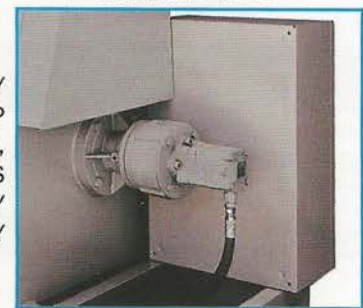
- Hydraulic circuits, which is protected against overload, is fully enclosed to provide low-noise and leak-proofed flow system.
- All three rolls are driven independently and hydraulically.
- Hydraulic pinch adjustment for two lower rolls.
- Each lower roll is equipped with an easy-reading LED indicator to show its reference position to the operator.
- Hydraulic pinch adjustment can be easily adjusted from the LED indicator reading.
- Portable controller around the machine for rolls forward/reverse/pinch adjustment conveniently.
- All rolls are made of top grade alloy steel hardened up to HRC55°
- Spherical roller bearings, which are very high quality made and sealed-in to keep out dirt and dust, are installed for all rolls.

#### OPTIONAL ACCESSORIES:

- Infinitely variable roll rotation speed.
- Cone bending attachment.

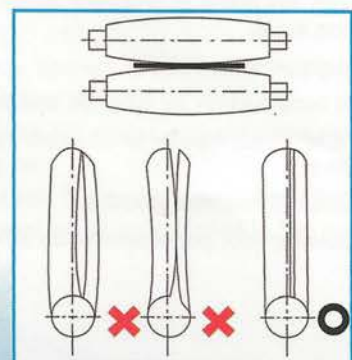
#### PLANETARY REDUCTION GEAR AND PUMP

THE PLANETARY REDUCTION GEAR AND PUMP OUTPUTS HIGHER TORQUE, DRIVING THE ROLLS POWERFULLY AND SMOOTHLY



#### ROLLS CAMBER DESIGN

THE ROLLS ARE ALSO MANUFACTURED IN A CAMBER DESIGN TO COMPENSATE ANY DISTORTION OF THE ROLLS FROM PRESSURE DURING BENDING PROCESS, THIS DESIGN CAN AVOID TO HAVE FINISHED CYLINDER WITH A CONVEX OR CONCAVE SHAPE.

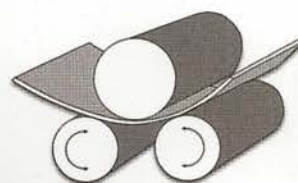




# BIRMINGHAM

## HYDRAULIC PLATE BENDING ROLL MACHINES DOUBLE PINCH TYPE

EACH PINCH ROLL HAS LED  
INDICATORS TO SHOW POSITION.



**RH-1006**

### SPECIFICATIONS:

MODEL	MILD STEEL CAPACITY	ROLL LENGTH & DIA.	MOTOR (HP)	ROLL SPEED INCH/MIN.	NET WEIGHT LBS.	PACKING SIZE (INCH)
RH-0506	5'1" x 1/4"	5'1" x ø8"	3HP	197	8,700	102 x 41 x 47
RH-0606	6'8" x 1/4"	6'8" x ø8"	3HP	197	9,500	122 x 41 x 47
RH-0805	8'4" x 6GA	8'4" x ø8"	3HP	197	10,200	138 x 41 x 49
RH-1004	10' x 7GA	10' x ø8"	3HP	197	12,500	163 x 43 x 49
RH-0508	5'1" x 1/16"	5'1" x ø9"	5HP	197	11,500	110 x 43 x 49
RH-0608	6'8" x 1/16"	6'8" x ø9"	5HP	197	12,500	126 x 43 x 49
RH-0806	8'4" x 1/4"	8'4" x ø9"	5HP	197	13,500	142 x 45 x 53
RH-1005	10' x 6GA	10' x ø9"	5HP	197	15,800	163 x 45 x 53
RH-0510	5'1" x 3/8"	5'1" x ø10"	7.5HP	177	13,000	110 x 43 x 51
RH-0610	6'8" x 3/8"	6'8" x ø10"	7.5HP	177	13,800	130 x 41 x 51
RH-0808	8'4" x 1/16"	8'4" x ø10"	7.5HP	177	15,800	146 x 43 x 53
RH-1006	10' x 1/4"	10' x ø10"	7.5HP	177	18,000	177 x 43 x 53
RH-0613	6'8" x 1/2"	6'8" x ø11"	10HP	177	16,500	134 x 43 x 55
RH-0810	8'4" x 3/8"	8'4" x ø11"	10HP	177	18,500	153 x 47 x 57
RH-1008	10' x 5/16"	10' x ø11"	10HP	177	22,000	173 x 51 x 57
RH-0616	6'8" x 3/4"	6'8" x ø12 1/4"	15HP	177	19,800	138 x 51 x 55
RH-0813	8'4" x 1/2"	8'4" x ø12 1/4"	15HP	177	24,500	157 x 51 x 59
RH-1010	10' x 3/8"	10' x ø12 1/4"	15HP	177	26,500	179 x 55 x 59

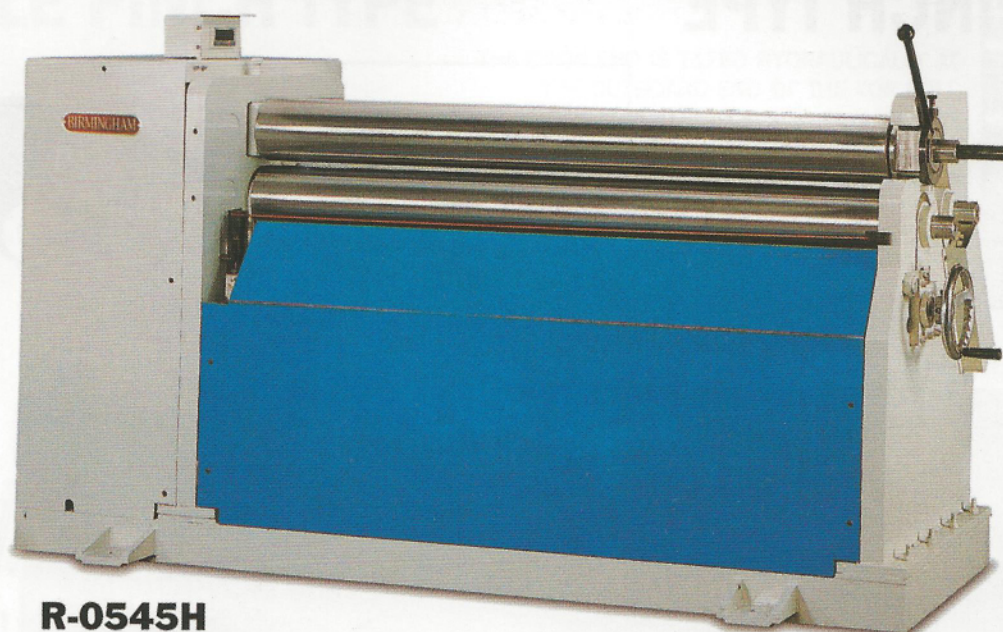
• ALL SPECIFICATIONS AND DESIGN ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.



# BIRMINGHAM

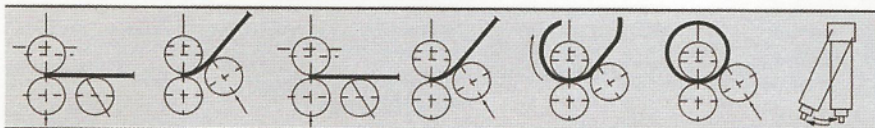
## HYDRAULIC PLATE BENDING ROLL MACHINES

### SINGLE PINCH TYPE



**R-0545H**

#### INITIAL PINCH TYPE:



#### MAIN FEATURES:

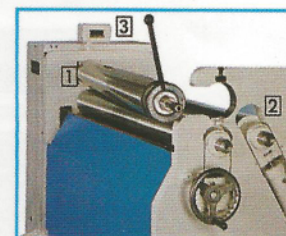
- All three rolls are driven by hydraulic system.
- Pinch roll cylinders adjustment synchronously.
- Pinch roll is hydraulic powered up/down with digital counter for showing pinch roll position.
- All rolls are made of top-grade alloy steel hardened up to HRC55°
- Rigid construction for precise and smooth operation, and long life time usage.
- The top roll can be swivelled out for easy removal of the finished workpiece.
- Removable foot control pedal for forward/reverse, fitted with a protective housing.

#### OPTIONAL ACCESSORIES:

- Cone bending attachment.
- Section bending attachment with profile roller.



- 1 Electrical cabinet.
- 2 Foot pedal with control buttons.



- 1 Top roll swivel out mechanism.
- 2 Pinch roll hydraulic powered.
- 3 Digital counter shows pinch roll position.

#### SPECIFICATIONS:

MODEL	MILD STEEL CAPACITY	ROLL LENGTH & DIAMETER	PINCH ADJUSTMENT	MOTOR (HP)	NET WEIGHT LBS.	PACKING SIZE
R-0440H	4'3" x 8GA	4 3/4"	STANDARD	2	2900	98" X 40" X 57"
R-0535H	5'1" x 10GA	4 3/4"	STANDARD	2	3100	106" X 40" X 57"
R-0625H	6'8" x 12GA	4 3/4"	STANDARD	2	3550	126" X 40" X 57"
R-0465H	4'3" x 1/4"	5 7/8"	STANDARD	3	3750	98" X 43" X 59"
R-0545H	5'1" x 7GA	5 7/8"	STANDARD	3	4200	106" X 43" X 59"
R-0640H	6'8" x 8GA	5 7/8"	STANDARD	3	4650	126" X 43" X 59"
R-0480H	4'3" x 5/16"	7"	STANDARD	5	4850	98" X 47" X 60"
R-0570H	5'1" x 3/32"	7"	STANDARD	5	5650	108" X 47" X 59"
R-0650H	6'8" x 6GA	7"	STANDARD	5	6160	128" X 47" X 60"
R-0830H	8' X 11GA	5 7/8"	STANDARD	3	5400	148" X 43" X 59"

REMARKS: BIGGER MODEL R-0840H AND R-1020 ARE AVAILABLE ON REQUEST.

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