



A-FAB HD 551

Heavy Duty Hydraulic Angle Roll



Motion:

Side rolls move by hydraulic cylinders, upper roll is fixed

Rotation:

All rolls are driven independent hydro-motor+gearbox

Shaft Diameter: 5.51"

Roll Diameters: 15.35"

Motor power: 20 HP

Max Section Modulus: 6.102 in³

Turning Speed: 5-27 FPM

Dimensions: 81"L x 74"W x 67"H

Weight: 10,141 lbs

A-FAB HD 551 SPECIFICATIONS				
PROFILE TYPE	DIMS (Inch)	MIN.ID (Ø Inch)	NOTES	
Solid - Square	3 x 3 (SM=4.5in ³)	60	○	
Flat-Hard way	5 x 1-1/4 (SM=5.208in ³)	60	○	
Flat-Easy way	10 x 1-1/2 (SM=3.75in ³)	48	○ ●	
T Section Leg-Down	5x5x1/2 (SM=2.104in ³)	48	○ ●	
T Section Leg-Out	5x5x1/2 (SM=3.797in ³)	44	○ ●	
T Section Leg-In	4x4x3/8 (SM=1.812in ³)	51	○ ●	
Angle Leg-Out	5x5x1/2 (SM=5.659in ³)	55	○ ●	
Angle Leg-In	4x4x1/2 (SM=3.499in ³)	55	○ ●	
Tubing - Square	4x4x.313 (SM=5.589in ³)	200 (1)	○ ●	
Tubing - Rectangle	5x3x.250 (SM=5.379in ³)	200 (1)	○ ●	
Solid - Round	Ø3.75 (SM=5.177in ³)	60	○ ●	
Pipe SCH40	Ø5"(SCH40) (SM=5.449in ³)	60	●	
C Section Leg-Out	C8-13.75# (SM=1.730in ³)	32	○ ●	
C Section Leg-In	C8-13.75# (SM=1.730in ³)	32	○ ●	
C Section Hard Way	C5-9# (SM=4.390in ³)	400 (1)	● ▲	
I Section Easy Way	S8-18.4# (SM=3.179in ³)	36	○ ●	
I Section Hard Way	S5-10# (SM=5.659in ³)	160	● ▲	
H Section Easy Way	W6-16# (SM=3.389in ³)	40	○ ●	
H Section Hard Way	W4-13# (SM=6.279in ³)	160	● ▲	

All data given according to 36 KSI yield point | ○ Standard Rolls | ● Special Rolls | ▲ Special Rolls | SM = Section Modulus

STANDARD

- Steel construction welded frame
- 3 Rolls are hydraulic powered by planetary gearbox separately
- Hardened and ground shafts made of high tensile special steel
- Rolls are hardened and ground
- Horizontal or vertical working position
- Hardened standard rolls
- Mobile control panel
- 3 Axis mechanical lateral angle guide rolls
- Brake motor equipped for precision bending
- Digital Read-Outs (2pcs)

OPTIONAL

- Pipe, tube and profile bending rolls
- Hydraulic lateral guide rolls (3 Axis)
- Variable turning speed
- NC control

Due to ongoing product development, machine specifications can change at any time.

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