



ANGLE ROLLS

ECO, FAB, GIANT HD SERIES





Some of the Revolution Machine Tools Team

ABOUT **REVOLUTION MACHINE TOOLS**

Revolution Machine Tools (RMT), founded by long time industry leader Kyle Jorgenson, is a metal fabrication machine tools company. RMT's design team has created the most innovative and precise tools in the North American market today. We are partners with leading manufacturers who build our designs to our stringent specifications in state of the art manufacturing facilities.

Kyle Jorgenson started in the Machine Tool industry working with his father, Roger Jorgenson, who founded Jorgenson Machine Tools in 1974. Roger taught Kyle how important relationships and customer service are, and Kyle has built his reputation on those principles. Revolution Machine Tools is supported by an ever expanding team of industry professionals, which include design, marketing, service and support, who have these same values and respect Kyle's vision. Together, they are creating a revolution in the Machine Tool industry.

RMT's main focus is in large cutting, forming, and rolling machines for the metal fabrication industry. RMT's research and development team has created the most innovative, fast, durable and accurate machines in the industry. Our machines are all backed by a strong warranty and an outstanding service team dedicated to keeping your machines operational. We understand the time value of money and how expensive downtime can be.





KYLE JORGENSON, PRESIDENT

PRE-SALE CONSULTATION

RMT's commitment to service begins with our site assessment consultation, before we even discuss purchasing equipment. We start by making an assessment of your production area to determine whether the equipment will work well in your manufacturing environment. We look at where the equipment will be placed on the production floor, how it will be brought into the facility, and even ways to make the disposal of scrap and waste easier to remove. We will also recommend the proper installation of our equipment, or we can even come install it for you. More importantly, we can verify adequate electrical, pneumatic or hydraulic requirements and we look at the surrounding equipment to assess if there are any electro-magnetic or vibration interference issues.



We do all of these things because:

We take pleasure in helping make our customers businesses more successful.

Many of our customers have become life long friends that have carried over to several generations.

844-768-4636 / www.RMTUS.com 3



REVOLUTIONARY SERVICE

QUALIFIED SERVICE TECHNICIANS

Join the Revolution with service technicians from Revolution Machine Tools that can maintain, troubleshoot and fix your machines. Our goal at RMT is to ensure our customers experience smooth operations and greater return on investment by having their machines repaired and maintained by qualified personnel who are committed to the customer's success.

The service team at Revolution Machine Tools is experienced and able to diagnose, repair and install your equipment when you need it. We know that you can't wait for days or weeks to keep your production deadlines, and we are committed to minimizing your downtime and keeping your manufacturing processes moving forward.

PREVENTATIVE MAINTENANCE PROGRAM

Keeping your machines operating at their peak performance is key to successful manufacturing. At Revolution Machine Tools, we have the right preventative maintenance plan to fit your needs; thus, keeping your machines performing at their most efficient levels.



Our service technicians will create the perfect preventative maintenance plan for you. They will evaluate your machines and provide you with a customized maintenance plan. Each plan will include general maintenance, safety evaluations, suggested repairs and part replacement.

SERVICE WHEN YOU NEED IT

You can count on Revolution Machine Tools to be there when you need them. How many times have you needed customer service for a machine breakdown? Each and every breakdown equates to a loss in opportunity cost and profit. At Revolution Machine Tools, we are committed to making sure you get the most out of your equipment, and when it does breakdown, providing repair services in a timely manner.

So, if you are in need of a troubleshooting or repair, you can reach a service technician by phone or email and we will strive to respond quickly. You don't need help in two days, you need it now. You can count on Revolution Machine Tools because we are committed to getting you up and running when and where you need us.



PARTS & TOOLING



SUPERIOR PARTS AND TOOLING

Every machine used in the chipping, fabrication and forming of metal has consumables and tooling to keep them performing efficiently. These consumables and tools range from hydraulic oil, laser nozzle tips, replacement parts, software and more. Making sure you have the right products to take care of your machines is what we at Revolution Machine Tools specialize in. We stock the highest grade consumables, replacement parts and tooling to fit your needs; and, if on the rare occasion we don't have the part, we most likely know where to find it.

Our parts and tooling department is constantly looking for ways to maximize the potential of your machines. Specialized tooling can be ordered and shipped to your location. We have qualified customer service representatives who can help you find solutions and answers to your manufacturing needs.

Revolution Machine Tools and its staff are committed to providing you the most effective service possible. We encourage you to call, even if we don't carry your brand of machine, and see if we can support you in making sure you have the right parts and tooling to fulfill your production goals and needs.

REPLACEMENT PARTS AND ACCESSORIES



UNIVERSAL DIES



PIPE & TUBE DIES



BEAM PULLING APPARATUS



BENEFITS OF RMT **ANGLE ROLLS**

RMT inventories and supports an extensive line of Profile Benders, Section Bending Machines, Universal Roll Benders, Angle Rolls, as well as Tube Benders and Pipe Benders. We stock Standard Tooling, Custom Tooling and Parts, ready to ship. RMT Angle Rolls are used to bend all types of materials and profile shapes, handle mild steel, stainless steel, aluminum, titanium, bronze, brass, copper as well as other alloys. Our machines in the field are used to manufacture marine handrails, aluminum window frames, steel sections, ornamental and decorative iron, motorcycle frames and components, exhaust pipes, and more. Our machines handle flat bar, square bar, square & rectangular tube, round rod, channels, and T bar using standard tooling which is supplied with the machine. With optional tooling, RMT angle rolls will roll angle iron, round tube & pipe, oval tube, roll formed shapes, aluminum extrusions and special profiles.

For Ornamental Applications RMT angle rolls can be equipped with optional scroll bending tools, picket twisting tools and helical stair rail attachments. If you are considering buying a Manual Bender or Hydraulic Bender or CNC Pipe Bender or Tube Roll or any type of Roll Bender, RMT can satisfy your production requirements. Our angle rolls are available in all sizes from small economical portable benders to large heavy duty pipe benders that will fit your rolling budget.

RMT's service department employs factory trained experienced professionals to service your spare parts, repair and technical needs. We stock tooling and spare parts. Our CNC machine shop can build any custom tooling you need with a rapid turn-around. We manufacture tooling for other brands of Ring Rollers and Roll Bending Machines. For high volume roll bending or multi-radius parts, our optional CNC Angle Rolls with direct radius input let you roll up to the next level with the highest precision, repeatability and speed. Our high quality OEM components are non-proprietary and available worldwide. Main frames carry a 10 year warranty! We are confident in RMT superior quality. Regardless of your need and budget for a roll bender, you will benefit from choosing RMT. Our true quality and integrity is in the "details" of every RMT roll bender. Compare and see for yourself why RMT Bending Machines have become one of the most respected brand names in the roll bending industry. Come visit us to see our machines first hand and experience the RMT difference!"





ANGLE ROLL SERIES



A-ECO SERIES

Motorized Angle Rolls

1.18" ~ 2.36" Top shaft diameters
Up to 3" SCH 40 Pipe bending capacity

See pages 18 - 21



A-FAB SERIES

Hydraulic Angle Rolls

1.57" ~ 7.08" Top shaft diameters
Up to 8" SCH 40 Pipe bending capacity

See pages 22 - 31



A-GIANT HD SERIES













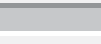

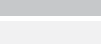
Hydraulic Angle Rolls

7.48" ~ 14.17" Top shaft diameters
Up to 16" SCH 40 Pipe bending capacity

See pages 32 - 37



A-ECO CAPACITY





















 A-ECO SERIES SPECIFICATIONS		A-ECO 118		A-ECO 196		A-ECO 196H		A-ECO 236H		NOTES
PROFILE TYPE		DIMS (Inch)	MIN.ID (Ø inch)	DIMS (inch)	MIN.ID (Ø Inch)	DIMS (Inch)	MIN.ID (Ø Inch)	DIMS (Inch)	MIN.ID (Ø Inch)	
Solid - Square		1-1/4" x 1-1/4" 3/8" x 3/8"	36" 8"	1-3/8" x 1-3/8" 3/4" x 3/4"	36" 12"	1-3/8" x 1-3/8" 5/8" x 5/8"	24" 12"	2" x 2" 3/4" x 3/4"	32" 16"	○
Flat - Along Edge		2" x 3/8" 3/8" x 3/8"	32" 12"	2-3/8" x 3/8"	20"	2-3/8" x 3/8"	24"	3" x 3/4"	47"	○
Solid - Rectangle		3" x 5/8" 1-1/4" x 1-1/4"	28" 16"	4" x 5/8"	18"	4" x 5/8"	24"	4" x 1"	24"	○
Angle Leg-Out		1-1/2" x 1-1/2" x 3/16" 1-1/4" x 1-1/4" x 5/32"	24" 12"	2" x 2" x 3/16"	32"	2" x 2" x 1/4"	24"	2-3/4" x 2-3/4" x 1/4"	40"	○ ●
Angle Leg-In		1-1/4" x 1-1/4" x 3/16" 1-1/4" x 1-1/4" x 5/32"	24" 16"	2" x 2" x 1/4"	40"	2" x 2" x 1/4"	36"	2-3/4" x 2-3/4" x 1/4"	48"	○ ● X
T Section Leg-Down		2" x 2" x 1/4"	24"	2-3/8" x 2-3/8" x 1/4"	28"	2-3/8" x 2-3/8" x 1/4"	32"	3" x 3" x 3/8"	40"	○
T Section Leg-Out		2" x 2" x 1/4"	24"	2-3/8" x 2-3/8" x 1/4"	28"	2-3/8" x 2-3/8" x 1/4"	32"	3" x 3" x 3/8"	40"	○
T Section Leg-In		2" x 2" x 1/4"	24"	2-3/8" x 2-3/8" x 1/4"	28"	2" x 2" x 1/4"	32"	3" x 3" x 3/8"	48"	○
Tubing - Square		1-1/2" x 1-1/2" x 0.120"	48" ∞	2" x 2" x 0.120"	68" ∞	2" x 2" x 0.120"	63" ∞	2-3/4" x 2-3/4" x 0.120"	63" ∞	○ ●
Tubing - Rectangle		1-1/2" x 1-1/2" x 0.120"	48" ∞	2-3/4" x 1-1/4" x 0.080"	48" ∞	2-3/4" x 1-1/4" x 0.080"	60" ∞	3" x 1-1/2" x 0.120"	56" ∞	○ ●
Solid - Round		Ø1-1/8"	36"	Ø1-3/8"	24"	Ø1-3/8"	24"	Ø2"	32"	○ ●
Schedule 40 Pipe		1" SCH 40 1-1/2" SCH 40	20" ∞	1" SCH 40 2" SCH 40	14" ∞ 40" ∞	1" SCH 40 2" SCH 40	14" ∞ 40" ∞	1" SCH 40 3" SCH 40	20" ∞ 63" ∞	●
Tubing - Round		Ø1" x 0.06" Ø2-3/8" x 0.06"	24" ∞ 40"	Ø1-1/4" x 0.080" Ø2-3/4" x 0.080"	20" ∞ 40" ∞	Ø1" x 0.060" Ø2-3/4" x 0.080"	16" ∞ 48" ∞	Ø2" x 0.080" Ø4" x 0.080"	20" ∞ 63" ∞	●
C Section Leg-Out		2"	20"	3"	40"	3"	32"	4"	30"	○ ●
C Section Leg-In		2"	32"	3"	48"	3"	48"	4"	46"	○ ●
Shaft Diameter		118"		196"		196"		236"		
Roll Diameter		Top: 5.82", Bottom: 4.64"		610"		Top: 6.37", Bottom: 5.98"		8.46"		
Motor HP		.9 - 11 HP		2 HP		15 HP		2 HP		
Max Section Modulus, in ³		14-.5 in ³		2-.6 in ³		.2-.6 in ³		8-1 in ³		
Turning Speed		6-13 FPM		14 FPM		14 FPM		13 FPM		
Weight		485 lbs.		881 lbs.		1102 lbs.		2,095 lbs.		

Capacity based on mild steel | ○ Standard Rolls | ● Special Rolls | X Special Support Rolls

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

A-FAB CAPACITY



A-FAB SERIES SPECIFICATIONS		A-FAB 157			A-FAB 236			A-FAB 314			A-FAB 393		
PROFILE TYPE		DIMS (Inch)	MIN.ID (Ø inch)	NOTES	DIMS (Inch)	MIN.ID (Ø Inch)	NOTES	DIMS (Inch)	MIN.ID (Ø Inch)	NOTES	DIMS (Inch)	MIN.ID (Ø Inch)	NOTES
Solid - Square		3/4" x 3/4"	10"	○	1-1/4" x 1-1/4" 1/2" x 1/2"	16" 10"	○	1-3/4" x 1-3/4" 5/8" x 5/8"	20" 15"	○	2-3/8" x 2-3/8" 5/8" x 5/8"	30" 16"	○
Flat - Along Edge		1-3/8" x 5/16"	12"	○	2-3/8" x 3/8"	20"	○	4" x 3/4"	79"	○	4" x 3/4"	32"	○
Solid - Rectangle		2" x 1/2"	16"	○	3" x 3/4"	20"	○	5" x 1"	24"	○	8" x 1-1/4"	50"	○
Angle Leg-Out		1-3/8" x 1-3/8" x 3/16"	16"	○ ●	2-1/2" x 2-1/2" x 1/4"	26"	○ ●	3" x 3" x 5/16"	32"	○ ●	4" x 4" x 1/2"	40"	○ ●
Angle Leg-In		1" x 1" x 3/16"	22"	○ ●	2" x 2" x 3/16"	22"	○ ● X	2-3/4" x 2-3/4" x 1/4"	28"	○ ●	4" x 4" x 3/8"	40"	○ ●
T Section Leg-Down		1-3/8" x 1-3/8" x 3/16"	14"	○	2-3/8" x 2-3/8" x 1/4"	20"	○	3" x 3" x 3/8"	32"	○	4" x 4" x 7/16"	40"	○
T Section Leg-Out		1" x 1" x 3/16"	12"	○	2-3/8" x 2-3/8" x 1/4"	22"	○	3" x 3" x 3/8"	32"	○	4" x 4" x 7/16"	40"	○
T Section Leg-In		1-3/8" x 1-3/8" x 3/16"	12"	○	2" x 2" x 1/4"	20"	○	2-3/4" x 2-3/4" x 5/16"	32"	○	3-1/2" x 3-1/2" x 3/8"	40"	○
Tubing - Square		1" x 1" x 0.080"	18"	○ ●	1-3/4" x 1-3/4" x 0.120"	24" ∞	○ ●	2-3/4" x 2-3/4" x 0.120"	52" ∞	○ ●	3" x 3" x 0.200"	60" ∞	○ ●
Tubing - Rectangle		1-3/8" x 5/8" x 0.100"	20"	○ ●	2" x 1" x 0.120"	18" ∞	○ ●	3" x 1" x 0.120"	32" ∞	○ ●	4" x 1-1/2" x 0.160"	52" ∞	○ ●
Solid - Round		Ø1"	12"	○ ●	Ø1-3/8"	14"	○ ●	Ø2"	20"	○ ●	Ø3"	32"	○ ●
Pipe SCH40		1" SCH 40	8" ∞	●	1/2" SCH 40 2" SCH 40	8" ∞ 16" ∞	●	1/2" SCH 40 3" SCH 40	15" ∞ 32" ∞	●	Ø1/2" SCH 40 4" SCH 40	18" ∞ 40" ∞	●
Tubing - Round		Ø1-5/8" x 0.060"	20" ∞	●	Ø5/8" x 0.060" Ø2-3/8" x 0.080"	8" ∞ 24" ∞	●	Ø5/8" x 0.040" Ø4" x 0.100"	8" ∞ 32" ∞	●	Ø5/8" x 0.040" Ø5" x 0.100"	18" ∞ 56" ∞	●
C Section Leg-Out		1-5/8" x 3/4"	14"	○ ●	3"	24"	○ ●	C5-9#	63"	○ ●	C7-9.8	36"	○ ●
C Section Leg-In		1-3/8" x 3/4"	20"	○ ●	2-1/2"	24"	○ ●	C5-9#	63"	○ ●	C7-9.8	40"	○ ●
I Section Easy Way		N/A	N/A	N/A	S3-5.7#	24"	●	S4-7.7#	24"	●	S6-12.5#	42"	●
H Section Easy Way		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	W4-13#	48"	●
C Section Hard Way		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
I Section Hard Way		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H Section Hard Way		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Shaft Diameter	Top: 157", Bottom: 157"				Top: 236", Bottom: 196"			Top: 314", Bottom: 275"			3.93"		
Roll Diameter	5.39"				7.08"			9.64"			12.4"		
Motor HP	15 HP				4 HP			5.5 HP			10 HP		
Max Section Modulus, in ³	1-.8 in ³				.7-1.0 in ³			1.3-1.9 in ³			2-4 in ³		
Turning Speed	23 FPM				16 FPM			19 FPM			22 FPM		
Weight	772 lbs.				2,205 lbs.			3,748 lbs.			8,047 lbs.		
Capacity based on mild steel ○ Standard Rolls ● Special Rolls X Special Support Rolls													

Capacity based on mild steel | ○ Standard Rolls | ● Special Rolls | X Special Support Rolls

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



A-FAB CAPACITY CONTINUED

A-FAB SERIES SPECIFICATIONS		A-FAB 472			A-FAB 629			A-FAB 708		
PROFILE TYPE		DIMS (Inch)	MIN.ID (Ø inch)	NOTES	DIMS (inch)	MIN.ID (Ø Inch)	NOTES	DIMS (Inch)	MIN.ID (Ø Inch)	NOTES
Solid - Square		2-1/2" x 2-1/2" 3/4" x 3/4"	30" 20"	○	3-1/2" x 3-1/2" 1-1/4" x 1-1/4"	60" 28"	○	4" x 4" 1-1/4" x 1-1/4"	72" 40"	○
Flat - Along Edge		5" x 1"	48"	○	6" x 1-1/4"	100"	○	7" x 1-1/4"	80"	○
Solid - Rectangle		8" x 2"	40"	○	11" x 2"	60"	○	11" x 2-3/8"	72"	○
Angle Leg-Out		5" x 5" x 1/2"	52"	○ ●	6" x 6" x 3/4"	90"	○ ●	7" x 7" x 3/4"	80"	○ ●
Angle Leg-In		4" x 4" x 3/8"	48"	○ ●	6" x 6" x 5/8"	120"	○ ●	7" x 7" x 5/8"	100"	○ ●
T Section Leg-Down		4" x 4" x 7/16"	32"	○	6" x 6" x 5/8"	80"	○	6" x 6" x 3/4"	80"	○
T Section Leg-Out		4" x 4" x 7/16"	32"	○	6" x 6" x 5/8"	80"	○	6" x 6" x 3/4"	80"	○
T Section Leg-In		4" x 4" x 7/16"	40"	○	5" x 5" x 5/8"	100"	○	5" x 5" x 3/4"	105"	○
Tubing - Square		3-1/2" x 3-1/2" x 0.200"	71" ∞	○ ●	4" x 4" x 5/16"	126" ∞	○ ●	6" x 6" x 5/16"	178" ∞	○ ●
Tubing - Rectangle		5" x 1-1/2" x 0.160"	71" ∞	○ ●	6" x 2" x 3/16"	120" ∞	○ ●	8" x 4" x 5/16"	210" ∞	○ ●
Solid - Round		Ø3"	30"	○ ●	Ø3-1/2"	72"	○ ●	Ø4-3/8"	62"	○ ●
Pipe SCH40		3/4" SCH 40 5" SCH 40	20" ∞ 60" ∞	●	1" SCH 40 6" SCH 40	28" ∞ 100" ∞	●	2" SCH 40 8" SCH 40	40" ∞ 160" ∞	●
Tubing - Round		Ø2" x 0.080" Ø6" x 0.160"	20" ∞ 111" ∞	●	Ø2-1/2" x 0.080" Ø7" x 0.160"	30" ∞ 160" ∞	●	Ø2-1/2" x 0.080" Ø8" x 0.200"	30" ∞ 315" ∞	●
C Section Leg-Out		C9-20#	40"	○ ●	C12-30#	80"	○ ●	C12-30#	72"	○ ●
C Section Leg-In		C9-20#	48"	○ ●	C12-30#	100"	○ ●	C12-30#	90"	○ ●
I Section Easy Way		S8-18.4#	40"	●	S12-35#	100"	●	S12-50#	110"	●
H Section Easy Way		W5-19#	48"	●	W8-31#	120"	●	W8-40#	100"	●
C Section Hard Way		C5-9#	200"	○ ●	C7-14.75#	315"	○ ●	C9-20#	315"	○ ●
I Section Hard Way		S6-12.5#	200"	●	S8-18.4#	200"	●	S8-23#	180"	●
H Section Hard Way		W4-13#	63"	●	W5-19#	170"	●	W5-19#	160"	●
Shaft Diameter		4.72"			6.29"			7.08"		
Roll Diameter		15.35"			19.68"			22.83"		
Motor HP		20 HP			30 HP			40 HP		
Max Section Modulus, in ³		3-5 in ³			11-20 in ³			19-38 in ³		
Turning Speed		7-24 FPM			9-19 FPM			9-19 FPM		
Weight		10,516 lbs.			23,590 lbs.			26,456 lbs.		

Capacity based on mild steel | ○ Standard Rolls | ● Special Rolls | X Special Support Rolls

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

A-FAB HD CAPACITY

 A-FAB HD SERIES SPECIFICATIONS		A-FAB HD 334		A-FAB HD 433		A-FAB HD 551		
PROFILE TYPE		DIMS (Inch)	MIN.ID (Ø inch)	DIMS (inch)	MIN.ID (Ø Inch)	DIMS (Inch)	MIN.ID (Ø Inch)	NOTES
Solid - Square		2x2 (SM=1.333 in ³)	40	2-1/2 x 2-1/2 (SM=2.604 in ³)	30	3 x 3 (SM=4.5 in ³)	60	○
Flat-Hard way		3-1/2 x 3/4 (SM=1.531 in ³)	32	4 x 1 (SM=2.667 in ³)	32	5 x 1-1/4 (SM=5.208 in ³)	60	○
Flat-Easy way		6 x 1 (SM=1 in ³)	24	8 x 1-1/2 (SM=2.083 in ³)	22	10 x 1-1/2 (SM=3.75 in ³)	48	○ ●
T Section Leg-Down		3x3x3/8 (SM=0.571 in ³)	32	5x5x3/8 (SM=1.571 in ³)	48	5x5x1/2 (SM=2.104 in ³)	48	○ ●
T Section Leg-Out		3x3x3/8 (SM=1.049 in ³)	32	4x4x3/8 (SM=1.812 in ³)	40	5x5x1/2 (SM=3.797 in ³)	44	○ ●
T Section Leg-In		3x3x3/8 (SM=1.049 in ³)	43	4x4x3/8 (SM=1.812 in ³)	52	4x4x3/8 (SM=1.812 in ³)	51	○ ●
Angle Leg-Out		3x3x5/16 (SM=0.707 in ³)	32	4x4x1/2 (SM=1.974 in ³)	60	5x5x1/2 (SM=5.659 in ³)	55	○ ●
Angle Leg-In		3x3x5/16 (SM=0.707 in ³)	43	4x4x3/8 (SM=1.523 in ³)	60	4x4x1/2 (SM=3.499 in ³)	55	○ ●
Tubing - Square		3x3x.188 (SM=1.969 in ³)	98 (1)	3-1/2x3-1/2x.250 (SM=3.499 in ³)	140 (1)	4x4x.313 (SM=5.589 in ³)	200 (1)	○ ●
Tubing - Rectangle		3-1/2x2x.188 (SM=1.889 in ³)	98 (1)	5x2x.188 (SM=3.369 in ³)	140 (1)	5x3x.250 (SM=5.379 in ³)	200 (1)	○ ●
Solid - Round		Ø2.5 (SM=1.534 in ³)	40	Ø3 (SM=2.651 in ³)	32	Ø3.75 (SM=5.177 in ³)	60	○ ●
Pipe SCH40		Ø3" (SCH40) (SM=1.725 in ³)	44	Ø4" (SCH40) (SM=3.214 in ³)	60	Ø5" (SCH40) (SM=5.449 in ³)	60	●
C Section Leg-Out		C5-9# (SM=0.912 in ³)	48	C7-12.25# (SM=1.420 in ³)	32	C8-13.75# (SM=1.730 in ³)	32	○ ●
C Section Leg-In		C5-9# (SM=0.912 in ³)	55	C7-12.25# (SM=1.420 in ³)	32	C8-13.75# (SM=1.730 in ³)	32	○ ●
C Section Hard Way		C3-6# (SM=1.739 in ³)	157 (1)	C4-5.4# (SM=2.29 in ³)	200 (1)	C5-9# (SM=4.390 in ³)	400 (1)	● ▲
I Section Easy Way		S5-10# (SM=1.369 in ³)	44	S6-12.5# (SM=1.860 in ³)	32	S8-18.4# (SM=3.179 in ³)	36	○ ●
I Section Hard Way		S3-5.7# (SM=1.939 in ³)	55	S4-7.7# (SM=3.499 in ³)	63	S5-10# (SM=5.659 in ³)	160	● ▲
H Section Easy Way		W4-13# (SM=2.919 in ³)	60	W5-16# (SM=4.579 in ³)	60	W6-16# (SM=3.389 in ³)	40	○ ●
H Section Hard Way		Max. SM=1.830 in ³	120	Max. SM=3.661 in ³	160	W4-13# (SM=6.279 in ³)	160	● ▲
Shaft Diameter		Top: 3.34", Bottom: 3.34"		Top: 4.33", Bottom: 4.33"		Top: 5.51", Bottom: 5.51"		
Roll Diameter		Top: Ø9.84", Bottom: Ø7.87"		Top: Ø12.40", Bottom: Ø10.03"		Top: Ø15.35", Bottom: Ø12.20"		
Motor HP		10 HP		15 HP		20 HP		
Max Section Modulus, in ³		1.831 in ³		3.661 in ³		6.102 in ³		
Rotation Speed at 60 Hz		5-26 FPM		6-32 FPM		6-28 FPM		
Weight		3,637 lbs.		7,054 lbs.		10,141 lbs.		

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

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



A-GIANT HD CAPACITY

RMT A-GIANT HD SERIES SPECIFICATIONS		A-GIANT HD 748		A-GIANT HD 944		A-GIANT HD 1181		A-GIANT HD 1417		
PROFILE TYPE		DIMS (Inch)	MIN.ID (Ø Inch)	DIMS (Inch)	MIN.ID (Ø Inch)	DIMS (Inch)	MIN.ID (Ø Inch)	DIMS (Inch)	MIN.ID (Ø Inch)	NOTES
Solid - Square		3-1/2 x 3-1/2 (SM=7.146in³)	40	5x5 (SM=20.833in³)	60	6x6 (SM=20.836in³)	80	10x10 (SM=162in³)	120	○
Flat-Hard way		6 x 1-1/4 (SM=7.5in³)	44	8x2 (SM=21.833in³)	60	10x2-1/2 (SM=41.667in³)	80	16x3 (SM=128in³)	100	○
Flat-Easy way		10x2 (SM=6.667in³)	48	16x2-1/2 (SM=16.667in³)	44	18x3 (SM=27in³)	60	24x5 (SM=100in³)	84	○ ●
T Section Leg-Down		6x6x5/8 (SM=3.791in³)	55	6x6x3/4 (SM=4.57in³)	60	8x8x3/4 (SM=8.07in³)	80	8x8x3/4 (SM=8.07in³)	63	○ ●
T Section Leg-Out		5x5x5/8 (SM=4.857in³)	50	6x6x3/4 (SM=8.392in³)	60	8x8x3/4 (SM=14.497in³)	80	8x8x3/4 (SM=14.497in³)	60	○ ●
T Section Leg-In		5x5x1/2 (SM=3.797in³)	63	6x6x5/8 (SM=6.861in³)	80	8x8x3/4 (SM=14.497in³)	110	8x8x3/4 (SM=14.497in³)	91	○ ●
Angle Leg-Out		5x5x5/8 (SM=6.929in³)	52	6x6x3/4 (SM=11.900in³)	63	8x8x1 (SM=28.499in³)	96	8x8x1-1/8 (SM=31.599in³)	72	○ ●
Angle Leg-In		5x5x1/2 (SM=5.659in³)	58	5x5x3/4 (SM=8.139in³)	63	8x8x3/4 (SM=22.00in³)	96	8x8x1-1/8 (SM=31.599in³)	84	○ ●
Tubing - Square		5x5x.313 (SM=9.16in³)	200 (1)	7x7x.500 (SM=27.9in³)	440 (1)	8x8x.500 (SM=37.499in³)	440 (1)	16x16x.500 (SM=164.00in³)	1180 (1)	○ ●
Tubing - Rectangle		6x3x.313 (SM=8.609in³)	200 (1)	10x6x.313 (SM=28.8in³)	440 (1)	12x8x.375 (SM=52.999in³)	630 (1)	20x12x.375 (SM=144.00in³)	1180 (1)	○ ●
Solid - Round		Ø4.5 (SM=8.946in³)	48	Ø6 (SM=21.206in³)	66	Ø7 (SM=33.674in³)	72	Ø11 (SM=130.671in³)	100	○ ●
Pipe SCH40		Ø6" (SCH40) (SM=8.496in³)	80	Ø8" (SCH40) (SM=16.815in³)	108	Ø12" (SCH40) (SM=47.066in³)	196	Ø20" (SCH40) (SM=477.82in³)	1575	●
C Section Leg-Out		C12-25# (SM=3.82in³)	40	C15-33.9# (SM=6.190in³)	80	C15-40# (SM=6.840in³)	80	C15-50# (SM=8.139in³)	100	○ ●
C Section Leg-In		C12-25# (SM=3.82in³)	40	C15-33.9# (SM=6.190in³)	80	C15-40# (SM=6.840in³)	80	C15-50# (SM=8.139in³)	100	○ ●
C Section Hard Way		C7-12.25# (SM=8.459in³)	400 (1)	C9-20# (SM=18.899in³)	470 (1)	C12-25# (SM=29.40in³)	470 (1)	C12-40# (SM=57.50in³)	780 (1)	● ▲
I Section Easy Way		S12-31.8# (SM=6.439in³)	48	S18-54.7# (SM=12.099in³)	54	S24-80# (SM=20.799in³)	78	S24-121# (SM=36.299in³)	86	○ ●
I Section Hard Way		S6-12.5# (SM=8.449in³)	158	S8-23# (SM=19.199in³)	392	S12-40.8# (SM=52.70in³)	787	S20-86# (SM=182.999in³)	1180	● ▲
H Section Easy Way		W8-21# (SM=5.689in³)	48	W10-45# (SM=20.300in³)	66	W24-103# (SM=41.499in³)	160	W40-149# (SM=62.200in³)	196	○ ●
H Section Hard Way		W6-16# (SM=11.700in³)	196	W8-31# (SM=30.400in³)	316	W12-50# (SM=71.900in³)	860	W24-104# (SM=288.999in³)	1968	● ▲
Shaft Diameter		Top: 7.48"/Bottom: 6.69"		Top: 9.44"/Bottom: 8.66"		Top: 11.81"/Bottom: 11.02"		Top: 14.17"/Bottom: 13.38"		
Roll Diameter		Top: Ø18.11"/Bottom: Ø14.96"		Top: Ø22.04"/Bottom: Ø17.71"		Top: Ø29.13"/Bottom: Ø23.22"		Top: Ø31.49"/Bottom: Ø25.19"		
Motor HP		30 HP		50 HP		60+20 HP		74+30 HP		
Max Section Modulus, in³		8.238 in³		24.410 in³		48.819 in³		158.662 in³		
Rotation Speed at 60 Hz		5-22 FPM		5-20 FPM		5-23 FPM		5-22 FPM		
Weight		10,141 lbs.		35,273 lbs.		52,910 lbs.		99,208 lbs.		

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

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

AB-4 CNC CAPACITY

AB-4 CNC SPECIFICATIONS		AB-4 CNC		
PROFILE TYPE		DIMS (Inch)	MIN.ID (Ø inch)	NOTES
Solid - Square		1" x 1" 3" x 3"	20" 48"	○
Flat - Along Edge		5" x 1"	48"	○
Solid - Rectangle		10" x 1"	40"	○
Angle Leg-Out		4" x 4" x 3/8"	80"	○ ●
Angle Leg-In		4" x 4" x 3/8"	100"	○ ●
T Section Leg-Down		5" x 5" x 1/2"	80"	○
T Section Leg-Out		5" x 5" x 1/2"	80"	○
T Section Leg-In		5" x 5" x 1/2"	100"	○
Tubing - Square		4" x 4" x 0.250"	60" ∞	○ ●
Tubing - Rectangle		5" x 2-1/2" x 0.250"	80" ∞	○ ●
Solid - Round		Ø3-1/2"	60"	○ ●
Pipe SCH40		1" SCH 40 6" SCH 40	15" ∞ 120" ∞	●
Tubing - Round		Ø1" x 0.080" Ø4" x 0.100"	15" ∞ 40" ∞	●
C Section Leg-Out		C10-20#	60"	○ ●
C Section Leg-In		C10-20#	65"	○ ●
I Section Easy Way		S6-12.5#	60"	●
H Section Easy Way		N/A	N/A	N/A
C Section Hard Way		N/A	N/A	N/A
I Section Hard Way		N/A	N/A	N/A
H Section Hard Way		N/A	N/A	N/A
Shaft Diameter		3.54"		
Roll Diameter		8.26-11.02"		
Motor HP		30 HP		
Max Section Modulus, in ³		610 in ³		
Turning Speed				
Weight		7,936 lbs.		

Capacity based on mild steel | ○ Standard Rolls | ● Special Rolls | X Special Support Rolls

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





PLANETARY MACHINE GEOMETRY

Our A-FAB and A-GIANT series angle rolls and their positions are selected after long term engineering, tests and evaluation periods. Side rolls are guided by swing beds which allows them to act as 2 independent axes moving in planetary shape. Our system allows you to bend your workpiece as little as 1.1 times the top roll diameter of your machine. The side roll approach to the top roll allow you to get perfect pre-bends as well as minimizing spring back.

Rolls are guided with single spherical roller bearings and bronze beds. Guiding system requires less lubrication and maintains long term precision.



ROBUST FRAME CONSTRUCTION

Machine frames are strengthened to minimize twists and deformation during construction. The robust frame of the machine is further strengthened using steel bars to complete the chassis.

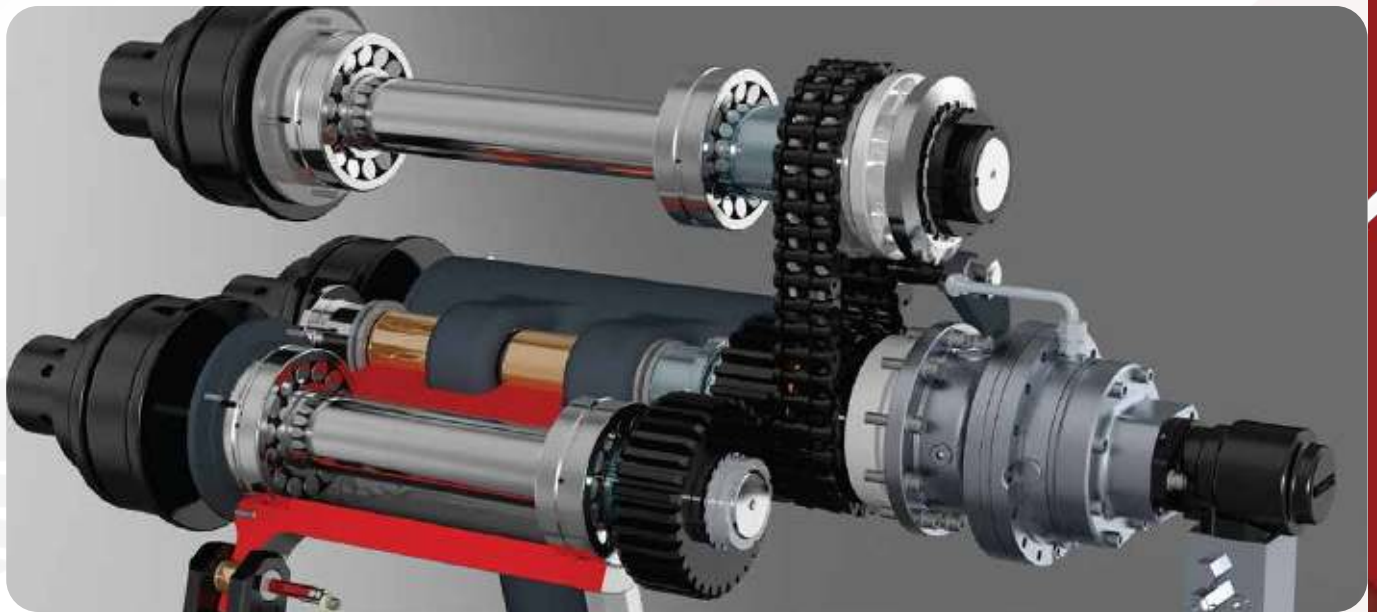
Machine frame, chassis, and steel bar connections are stress relieved after welding completion. All parts of the frame are machined using a 5 axes CNC machining center using a single reference. This way, we attain parallelism of all axes and all surfaces of the machine which contributes to the precision and longevity of all critical characteristics of the machine.



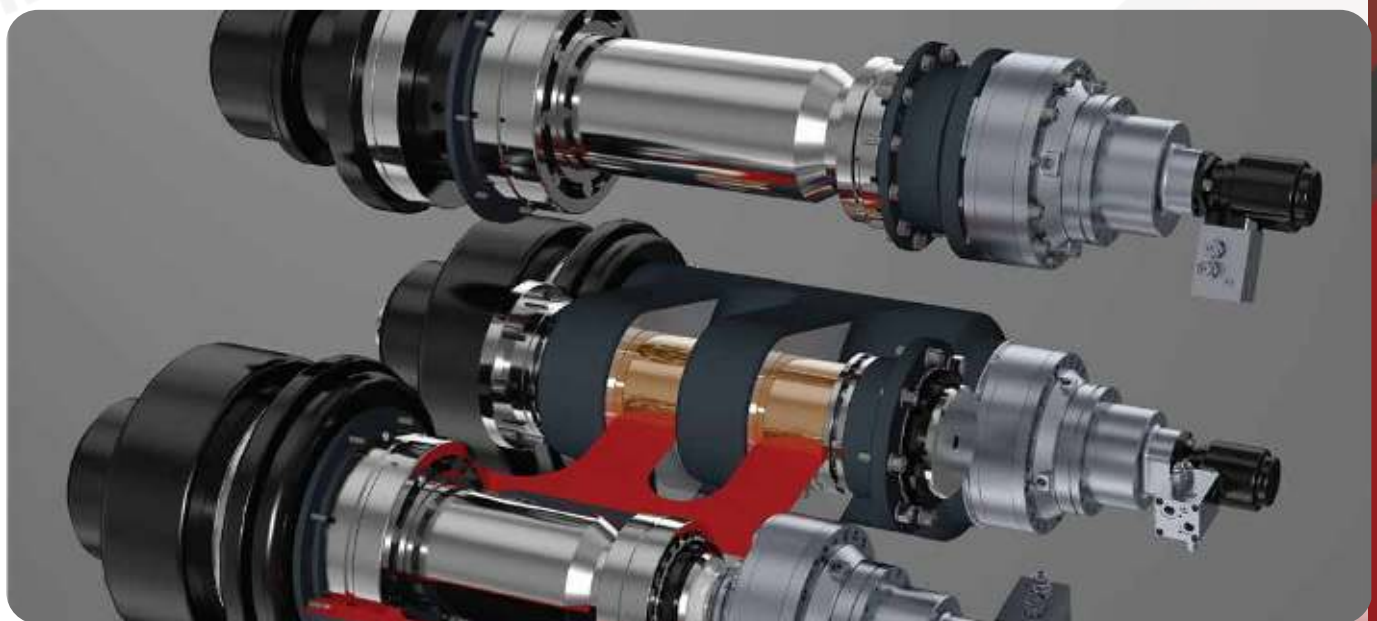
HIGH TORQUE DRIVE SYSTEM

Using high torque, RMT machines bend the parts with less steps. Rolls are triggered by independent high torque hydraulic motors and planet gears. Trigger system is positioned on the same axis with roll and high torque is transferred to the part without any loss.

Strong Hydraulic Brakes: Especially during the pre-bending, system does not allow the part to slip back which may create safety problems.



Central gear and chain drive system standard on A-FAB 236, 314



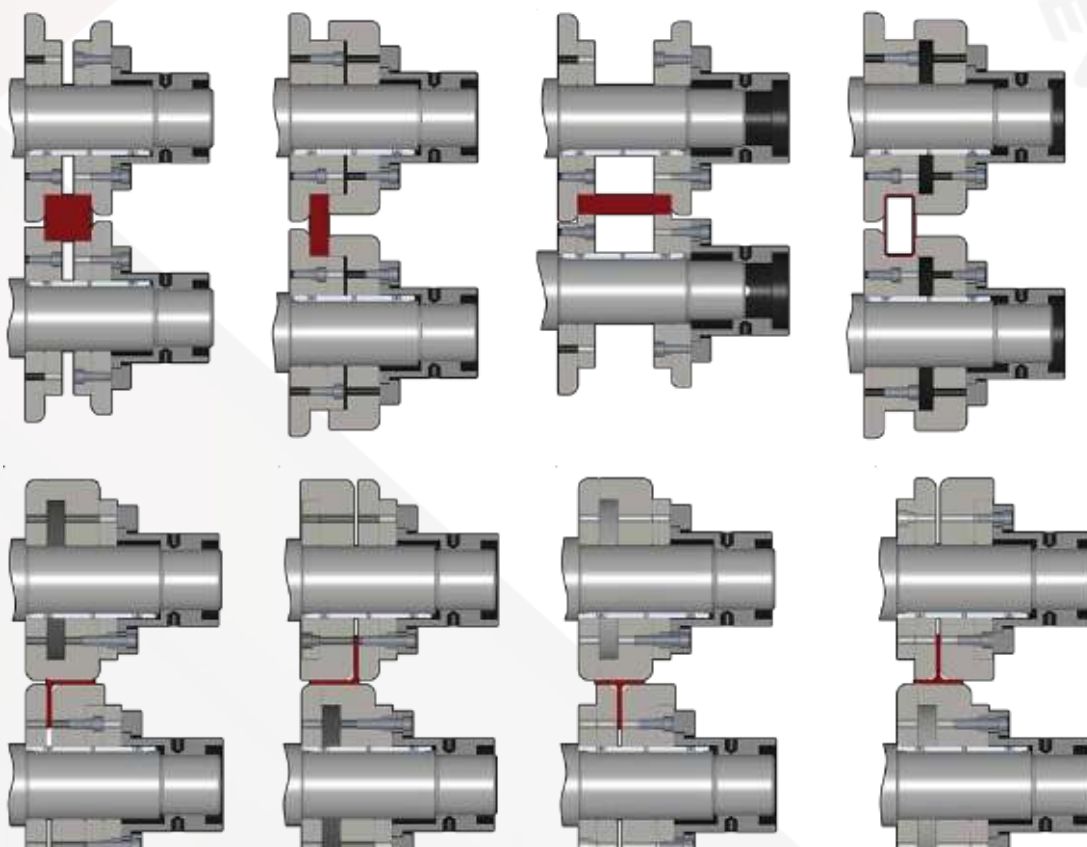


SHAFT & DIES

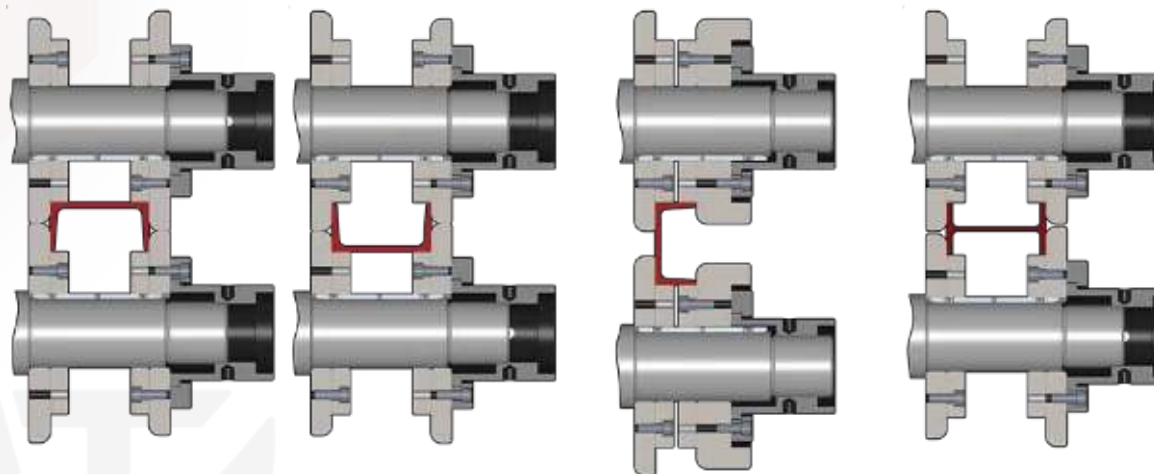
The most important element of a angle roll is the rolls themselves. Most machines in the market have weak dies that deform during the process when bending high yield materials. RMT uses high tensile forged steel rolls that are machined by high precision CNC lathes. All volume the rolls are hardened to HRC 52-56 with hardness tests performed at varying points on the dies. Die hole grind after hardening process with in tolerances.



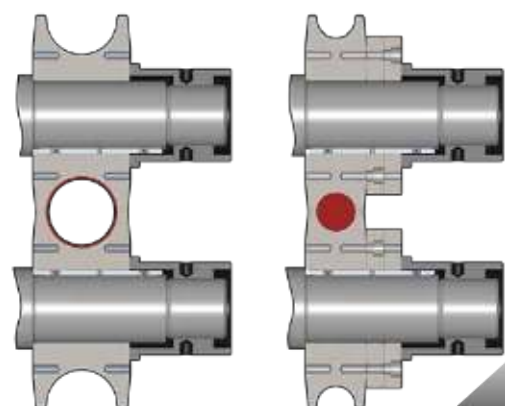
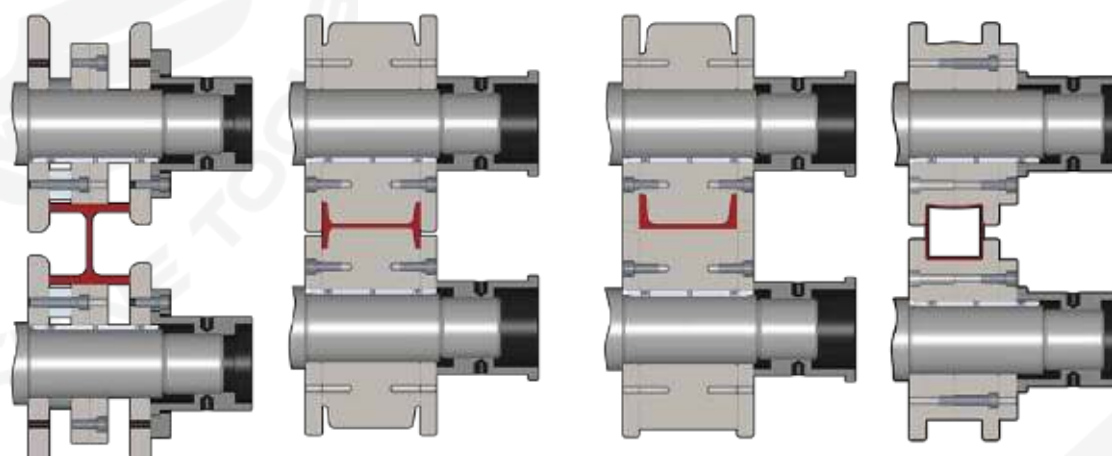
UNIVERSAL DIES



UNIVERSAL DIES



CUSTOM DIES



STANDARD

- Steel frame
- Two bottom rolls are powered
- Direct drive power system with gears
- Top roll is idle (free turning)
- Hardened rolls
- Rolls shafts are special steel material hardened and ground
- Double speed motor
- Standard rolls
- Adjustable guide rolls
- Horizontal or vertical working position

OPTIONAL

- Pipe/Tube bending rolls
- Profile bending rolls
- Angle bending support rolls
- Digital readout
- Special lateral angle guide rolls



A-ECO 118

Motorized Angle Roll



A-ECO 118 SPECIFICATIONS			
PROFILE TYPE	DIMS (inch)	MIN.ID (Ø inch)	NOTES
Solid - Square	1-1/4" x 1-1/4" 3/8" x 3/8"	36" 8"	○
Flat - Along Edge	2" x 3/8" 3/8" x 3/8"	32" 12"	○
Solid - Rectangle	3" x 5/8" 1-1/4" x 1-1/4"	28" 16"	○
Angle Leg-Out	1-1/2" x 1-1/2" x 3/16" 1-1/4" x 1-1/4" x 5/32"	24" 12"	○ ●
Angle Leg-In	1-1/4" x 1-1/4" x 3/16" 1-1/4" x 1-1/4" x 5/32"	24" 16"	○ ● X
T Section Leg-Down	2" x 2" x 1/4"	24"	○
T Section Leg-Out	2" x 2" x 1/4"	24"	○
T Section Leg-In	2" x 2" x 1/4"	24"	○
Tubing - Square	1-1/2" x 1-1/2" x 0.120"	48" ∞	○ ●
Tubing - Rectangle	1-1/2" x 1-1/2" x 0.120"	48" ∞	○ ●
Solid - Round	Ø1-1/8"	36"	○ ●
Schedule 40 Pipe	1" SCH 40 1-1/2" SCH 40	20" ∞	●
Tubing - Round	Ø1" x 0.06" Ø2-3/8" x 0.06"	24" ∞ 40"	●
C Section Leg-Out	2"	20"	○ ●
C Section Leg-In	2"	32"	○ ●

Capacity based on mild steel | ○ Standard Rolls | ● Special Rolls | X Special Support Rolls

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



Motion:

Upper roll moves by hand screw, side rolls are fixed.

Rotation:

Side rolls are driven by one AC motor+gearbox
Upper roll is idle

Shaft Diameter: 1.18"

Roll Diameters:

Top 5.82"

Bottom 4.64"

Motor power: 0.9 - 1.1 HP

Max Section Modulus: .091 in³

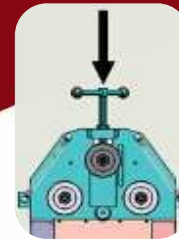
Turning Speed: 6-13 FPM

Dimensions: 24"L x 32"W x 57"H

Weight: 485 lbs

A-ECO 196

Motorized Angle Roll



Motion:

Upper roll moves by hand screw,
side rolls are fixed

Rotation:

Side rolls are driven by one AC
motor+gearbox

Upper roll is idle

Shaft Diameter: 1.96"

Roll Diameters: 6.10"

Motor power: 2HP

Max Section Modulus: .30 in³

Turning Speed: 14 FPM

Dimensions: 30"L x 40"W x 56"H

Weight: 881 lbs

A-ECO 196 SPECIFICATIONS				
PROFILE TYPE		DIMS (inch)	MIN.ID (Ø Inch)	NOTES
Solid - Square		1-3/8" x 1-3/8" 3/4" x 3/4"	36" 12"	○
Flat - Along Edge		2-3/8" x 3/8"	20"	○
Solid - Rectangle		4" x 5/8"	18"	○
Angle Leg-Out		2" x 2" x 3/16"	32"	○ ●
Angle Leg-In		2" x 2" x 1/4"	40"	○ ● X
T Section Leg-Down		2-3/8" x 2-3/8" x 1/4"	28"	○
T Section Leg-Out		2-3/8" x 2-3/8" x 1/4"	28"	○
T Section Leg-In		2-3/8" x 2-3/8" x 1/4"	28"	○
Tubing - Square		2" x 2" x 0.120"	68" ∞	○ ●
Tubing - Rectangle		2-3/4" x 1-1/4" x 0.080"	48" ∞	○ ●
Solid - Round		Ø1-3/8"	24"	○ ●
Schedule 40 Pipe		1" SCH 40 2" SCH 40	14" ∞ 40" ∞	●
Tubing - Round		Ø1-1/4" x 0.080" Ø2-3/4" x 0.080"	20" ∞ 40" ∞	●
C Section Leg-Out		3"	40"	○ ●
C Section Leg-In		3"	48"	○ ●

Capacity based on mild steel | ○ Standard Rolls |
● Special Rolls | X Special Support Rolls

STANDARD

- Steel frame
- Two rolls direct driven by a gear system
- Direct drive power system with gears
- Rolls are hardened
- Rolls shafts are special steel material hardened and ground
- Roll shaft housed by bearings
- Standard rolls
- Guide rolls
- Horizontal or vertical working position

OPTIONAL

- Pipe/Tube bending rolls
- Profile bending rolls
- Angle bending support rolls
- Digital readout
- Special lateral angle guide rolls

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

STANDARD

- Steel welded construction frame
- 3 Rolls are motor driven
- Hardened shafts from special steel material
- Top roll hydraulic movable up-down
- Horizontal or vertical working position
- Standard rolls
- Guide rolls
- Brake motor equipped for precision bending
- Mobile control panel

OPTIONAL

- Pipe/Tube bending rolls
- Profile bending rolls
- Angle bending rolls
- Digital readout
- Optional lateral angle guides
- NC control



A-ECO 196H

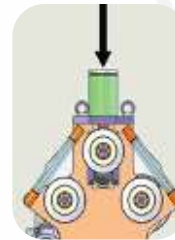
Motorized & Hydraulic Angle Roll



A-ECO 196H SPECIFICATIONS				
PROFILE TYPE		DIMS (Inch)	MIN.ID (Ø Inch)	NOTES
Solid - Square		1-3/8" x 1-3/8" 5/8" x 5/8"	24" 12"	○
Flat - Along Edge		2-3/8" x 3/8"	24"	○
Solid - Rectangle		4" x 5/8"	24"	○
Angle Leg-Out		2" x 2" x 1/4"	24"	○ ●
Angle Leg-In		2" x 2" x 1/4"	36"	○ ● X
T Section Leg-Down		2-3/8" x 2-3/8" x 1/4"	32"	○
T Section Leg-Out		2-3/8" x 2-3/8" x 1/4"	32"	○
T Section Leg-In		2" x 2" x 1/4"	32"	○
Tubing - Square		2" x 2" x 0.120"	63" ∞	○ ●
Tubing - Rectangle		2-3/4" x 1-1/4" x 0.080"	60" ∞	○ ●
Solid - Round		Ø1-3/8"	24"	○ ●
Schedule 40 Pipe		1" SCH 40 2" SCH 40	14" ∞ 40" ∞	●
Tubing - Round		Ø1" x 0.060" Ø2-3/4" x 0.080"	16" ∞ 48" ∞	●
C Section Leg-Out		3"	32"	○ ●
C Section Leg-In		3"	48"	○ ●

Capacity based on mild steel | ○ Standard Rolls | ● Special Rolls | X Special Support Rolls

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



Motion:

Upper roll moves by hydraulic cylinder, side rolls are fixed.

Rotation:

All rolls are driven by one AC motor+gearbox

Shaft Diameter: 1.96"

Roll Diameters:

Top 6.37"

Bottom 5.98"

Motor power: 1.5 HP

Max Section Modulus: .36 in³

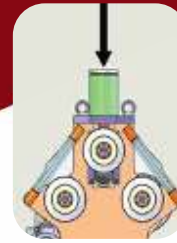
Turning Speed: 14 FPM

Dimensions: 32"L x 38"W x 60"H

Weight: 1,102 lbs

A-ECO 236H

Motorized & Hydraulic Angle Roll



Motion:

Upper roll moves by hydraulic cylinder, side rolls are fixed

Rotation:

All rolls driven by one AC motor+gearbox

Shaft Diameter: 2.36"

Roll Diameters: 8.46"

Motor power: 2HP

Max Section Modulus: .061 in³

Turning Speed: 13 FPM

Dimensions: 40"L x 56"W x 65"H

Weight: 2,095 lbs

A-ECO 236H SPECIFICATIONS				
PROFILE TYPE	DIMS (Inch)	MIN.ID (Ø Inch)	NOTES	
Solid - Square	2" x 2" 3/4" x 3/4"	32" 16"	○	
Flat - Along Edge	3" x 3/4"	47"	○	
Solid - Rectangle	4" x 1"	24"	○	
Angle Leg-Out	2-3/4" x 2-3/4" x 1/4"	40"	○ ●	
Angle Leg-In	2-3/4" x 2-3/4" x 1/4"	48"	○ ● X	
T Section Leg-Down	3" x 3" x 3/8"	40"	○	
T Section Leg-Out	3" x 3" x 3/8"	40"	○	
T Section Leg-In	3" x 3" x 3/8"	48"	○	
Tubing - Square	2-3/4" x 2-3/4" x 0.120"	63" ∞	○ ●	
Tubing - Rectangle	3" x 1-1/2" x 0.120"	56" ∞	○ ●	
Solid - Round	Ø2"	32"	○ ●	
Schedule 40 Pipe	1" SCH 40 3" SCH 40	20" ∞ 63" ∞	●	
Tubing - Round	Ø2" x 0.080" Ø4" x 0.080"	20" ∞ 63" ∞	●	
C Section Leg-Out	4"	30"	○ ●	
C Section Leg-In	4"	46"	○ ●	

Capacity based on mild steel | ○ Standard Rolls |
● Special Rolls | X Special Support Rolls

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

STANDARD

- Steel welded construction frame
- 3 Rolls are motor driven
- Hardened shafts from special steel material
- Top roll hydraulic movable up-down
- Horizontal or vertical working position
- Standard rolls
- Guide rolls
- Brake motor equipped for precision bending
- Mobile control panel

OPTIONAL

- Pipe / Tube bending rolls
- Profile bending rolls
- Angle bending rolls
- Digital Read-Out
- Optional lateral angle guides
- Optional stairway bending attachment
- NC control

STANDARD

- Cast iron frame
- 3 Rolls are powered
- 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
- 2 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 (2 Axis)
- Spiral bending apparatus and rolls
- NC control



A-FAB 157

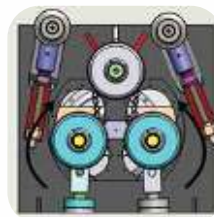
Hydraulic Angle Roll



A-FAB 157 SPECIFICATIONS				
PROFILE TYPE	DIMS (Inch)	MIN ID (Ø inch)	NOTES	
Solid - Square	3/4" x 3/4"	10"	○	
Flat - Along Edge	1-3/8" x 5/16"	12"	○	
Solid - Rectangle	2" x 1/2"	16"	○	
Angle Leg-Out	1-3/8" x 1-3/8" x 3/16"	16"	○ ●	
Angle Leg-In	1" x 1" x 3/16"	22"	○ ●	
T Section Leg-Down	1-3/8" x 1-3/8" x 3/16"	14"	○	
T Section Leg-Out	1" x 1" x 3/16"	12"	○	
T Section Leg-In	1-3/8" x 1-3/8" x 3/16"	12"	○	
Tubing - Square	1" x 1" x 0.080"	18"	○ ●	
Tubing - Rectangle	1-3/8" x 5/8" x 0.100"	20"	○ ●	
Solid - Round	Ø1"	12"	○ ●	
Pipe SCH40	1" SCH 40	8" ∞	●	
Tubing - Round	Ø1-5/8" x 0.060"	20" ∞	●	
C Section Leg-Out	1-5/8" x 3/4"	14"	○ ●	
C Section Leg-In	1-3/8" x 3/4"	20"	○ ●	
I Section Easy Way	N/A	N/A	N/A	
H Section Easy Way	N/A	N/A	N/A	
C Section Hard Way	N/A	N/A	N/A	
I Section Hard Way	N/A	N/A	N/A	
H Section Hard Way	N/A	N/A	N/A	

Capacity based on mild steel | ○ Standard Rolls | ● Special Rolls | X Special Support Rolls

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



Motion:

Side rolls move by hydraulic cylinders, upper roll is fixed

Rotation:

All rolls are driven by one hydro-motor+gearbox

Shaft Diameter:

Top 1.57"

Bottom 1.57"

Roll Diameters: 5.39"

Motor power: 1.5 HP

Max Section Modulus: .18 in³

Turning Speed: 23 FPM

Dimensions: 42"L x 20"W x 50"H

Weight: 772 lbs

A-FAB 236

Hydraulic Angle Roll



Motion:

Side rolls move by hydraulic cylinders, upper roll is fixed

Rotation:

All rolls driven by one hydro-motor+gearbox

Shaft Diameter:

Top: 2.36"

Bottom: 1.96"

Roll Diameters: 7.08"

Motor power: 4 HP

Max Section Modulus: .036 in³

Turning Speed: 16 FPM

Dimensions: 48"L x 34"W x 48"H

Weight: 2,205 lbs

A-FAB 236 SPECIFICATIONS				
PROFILE TYPE	DIMS (Inch)	MIN.ID (Ø Inch)	NOTES	
Solid - Square	1-1/4" x 1-1/4" 1/2" x 1/2"	16" 10"	○	
Flat - Along Edge	2-3/8" x 3/8"	20"	○	
Solid - Rectangle	3" x 3/4"	20"	○	
Angle Leg-Out	2-1/2" x 2-1/2" x 1/4"	26"	○ ●	
Angle Leg-In	2" x 2" x 3/16"	22"	○ ● X	
T Section Leg-Down	2-3/8" x 2-3/8" x 1/4"	20"	○	
T Section Leg-Out	2-3/8" x 2-3/8" x 1/4"	22"	○	
T Section Leg-In	2" x 2" x 1/4"	20"	○	
Tubing - Square	1-3/4" x 1-3/4" x 0.120"	24" ∞	○ ●	
Tubing - Rectangle	2" x 1" x 0.120"	18" ∞	○ ●	
Solid - Round	Ø1-3/8"	14"	○ ●	
Pipe SCH40	1/2" SCH 40 2" SCH 40	8" ∞ 16" ∞	●	
Tubing - Round	Ø5/8" x 0.060" Ø2-3/8" x 0.080"	8" ∞ 24" ∞	●	
C Section Leg-Out	3"	24"	○ ●	
C Section Leg-In	2-1/2"	24"	○ ●	
I Section Easy Way	S3-5.7#	24"	●	
H Section Easy Way	N/A	N/A	N/A	
C Section Hard Way	N/A	N/A	N/A	
I Section Hard Way	N/A	N/A	N/A	
H Section Hard Way	N/A	N/A	N/A	

Capacity based on mild steel | ○ Standard Rolls |
● Special Rolls | X Special Support Rolls

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

STANDARD

- Steel construction welded frame
- 3 Rolls are powered
- 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 (2 Axis)
- NC control

STANDARD

- Steel construction welded frame
- 3 Rolls are powered
- 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 (2 Axis)
- NC control



A-FAB 314

Hydraulic Angle Roll

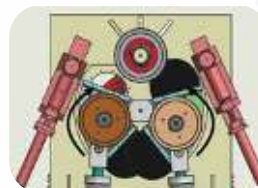


Shown with optional hydraulic lateral guide rolls

A-FAB 314 SPECIFICATIONS				
PROFILE TYPE	DIMS (Inch)	MIN.ID (Ø Inch)	NOTES	
Solid - Square	1-3/4" x 1-3/4" 5/8" x 5/8"	20" 15"	○	
Flat - Along Edge	4" x 3/4"	79"	○	
Solid - Rectangle	5" x 1"	24"	○	
Angle Leg-Out	3" x 3" x 5/16"	32"	○ ●	
Angle Leg-In	2-3/4" x 2-3/4" x 1/4"	28"	○ ●	
T Section Leg-Down	3" x 3" x 3/8"	32"	○	
T Section Leg-Out	3" x 3" x 3/8"	32"	○	
T Section Leg-In	2-3/4" x 2-3/4" x 5/16"	32"	○	
Tubing - Square	2-3/4" x 2-3/4" x 0.120"	52" ∞	○ ●	
Tubing - Rectangle	3" x 1" x 0.120"	32" ∞	○ ●	
Solid - Round	Ø2"	20"	○ ●	
Pipe SCH40	1/2" SCH 40 3" SCH 40	15" ∞ 32" ∞	●	
Tubing - Round	Ø5/8" x 0.040" Ø4" x 0.100"	8" ∞ 32" ∞	●	
C Section Leg-Out	C5-9#	63"	○ ●	
C Section Leg-In	C5-9#	63"	○ ●	
I Section Easy Way	S4-7.7#	24"	●	
H Section Easy Way	N/A	N/A	N/A	
C Section Hard Way	N/A	N/A	N/A	
I Section Hard Way	N/A	N/A	N/A	
H Section Hard Way	N/A	N/A	N/A	

Capacity based on mild steel | ○ Standard Rolls |
● Special Rolls | X Special Support Rolls

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



Motion:

Side rolls move by hydraulic cylinders, upper roll is fixed

Rotation:

All rolls are driven by one Hydro-motor+gearbox

Shaft Diameter:

Top: 3.14"

Bottom: 2.75"

Roll Diameters: 9.64"

Motor power: 5.5 HP

Max Section Modulus: .97 in³

Turning Speed: 19 FPM

Dimensions: 58"L x 40"W x 56"H

Weight: 3,748 lbs

A-FAB HD 334

Heavy Duty Hydraulic Angle Roll



Motion:

Side rolls move by hydraulic cylinders, upper roll is fixed

Rotation:

All rolls driven by one hydro-motor+gearbox

Shaft Diameter: 3.34"

Roll Diameters: 9.84"

Motor power: 10 HP

Max Section Modulus: 1.83 in³

Turning Speed: 5-26 FPM

Dimensions: 57'L x 53"W x 53"H

Weight: 3,637 lbs

A-FAB HD 334 SPECIFICATIONS			
PROFILE TYPE	DIMS (Inch)	MIN ID (Ø Inch)	NOTES
Solid - Square	2x2 (SM=1.333 in ³)	40	○
Flat-Hard way	3-1/2 x 3/4 (SM=1.531 in ³)	32	○
Flat-Easy way	6 x 1 (SM=1 in ³)	24	○ ●
T Section Leg-Down	3x3x3/8 (SM=0.571 in ³)	32	○ ●
T Section Leg-Out	3x3x3/8 (SM=1.049 in ³)	32	○ ●
T Section Leg-In	3x3x3/8 (SM=1.049 in ³)	43	○ ●
Angle Leg-Out	3x3x5/16 (SM=0.707 in ³)	32	○ ●
Angle Leg-In	3x3x5/16 (SM=0.707 in ³)	43	○ ●
Tubing - Square	3x3x188 (SM=1.969 in ³)	98 (1)	○ ●
Tubing - Rectangle	3-1/2x2x188 (SM=1.889 in ³)	98 (1)	○ ●
Solid - Round	Ø2.5 (SM=1.534 in ³)	40	○ ●
Pipe SCH40	Ø3" (SCH40) (SM=1.725 in ³)	44	●
C Section Leg-Out	C5-9# (SM=0.912 in ³)	48	○ ●
C Section Leg-In	C5-9# (SM=0.912 in ³)	55	○ ●
C Section Hard Way	C3-6# (SM=1.739 in ³)	157 (1)	● ▲
I Section Easy Way	S5-10# (SM=1.369 in ³)	44	○ ●
I Section Hard Way	S3-5.7# (SM=1.939 in ³)	55	● ▲
H Section Easy Way	W4-13# (SM=2.919 in ³)	60	○ ●
H Section Hard Way	Max SM=1.830 in ³	120	● ▲

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

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

STANDARD

- Steel construction welded frame
- 3 Rolls are powered
- 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

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
- Two speed working system
- Mobile control panel
- 3 Axis hydraulic lateral angle guide rolls
- Digital Read-Outs (2pcs)

OPTIONAL

- All kind of pipes, tubes,
- Pipe, tube and profile bending rolls
- Hydraulic lateral guide rolls (3 axis)
- Variable turning speed
- NC control



A-FAB 393

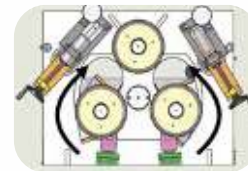
Hydraulic Angle Roll



A-FAB 393 SPECIFICATIONS				
PROFILE TYPE	DIMS (Inch)	MIN.ID (Ø Inch)	NOTES	
Solid - Square	2-3/8" x 2-3/8" 5/8" x 5/8"	30" 16"	○	
Flat - Along Edge	4" x 3/4"	32"	○	
Solid - Rectangle	8" x 1-1/4"	50"	○	
Angle Leg-Out	4" x 4" x 1/2"	40"	○ ●	
Angle Leg-In	4" x 4" x 3/8"	40"	○ ●	
T Section Leg-Down	4" x 4" x 7/16"	40"	○	
T Section Leg-Out	4" x 4" x 7/16"	40"	○	
T Section Leg-In	3-1/2" x 3-1/2" x 3/8"	40"	○	
Tubing - Square	3" x 3" x 0.200"	60" ∞	○ ●	
Tubing - Rectangle	4" x 1-1/2" x 0.160"	52" ∞	○ ●	
Solid - Round	Ø3"	32"	○ ●	
Pipe SCH40	Ø1/2" SCH 40 4" SCH 40	18" ∞ 40" ∞	●	
Tubing - Round	Ø5/8" x 0.040" Ø5" x 0.100"	18" ∞ 56" ∞	●	
C Section Leg-Out	C7-9.8	36"	○ ●	
C Section Leg-In	C7-9.8	40"	○ ●	
I Section Easy Way	S6-12.5#	42"	●	
H Section Easy Way	W4-13#	48"	●	
C Section Hard Way	N/A	N/A	N/A	
I Section Hard Way	N/A	N/A	N/A	
H Section Hard Way	N/A	N/A	N/A	

Capacity based on mild steel | ○ Standard Rolls | ● Special Rolls | X Special Support Rolls

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



Motion:

Side rolls move by hydraulic cylinders, upper roll is fixed

Rotation:

All rolls driven by one hydro-motor+gearbox

Shaft Diameter: 3.93"

Roll Diameters: 12.4"

Motor power: 10 HP

Max Section Modulus: 2.44 in³

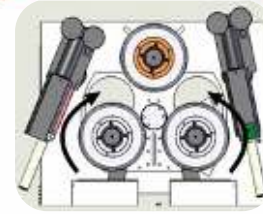
Turning Speed: 22 FPM

Dimensions: 79"L x 58"W x 67"H

Weight: 8,047 lbs

A-FAB HD 433

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: 4.33"

Roll Diameters: 12.4"

Motor power: 15 HP

Max Section Modulus: 3.661 in³

Turning Speed: 6-32 FPM

Dimensions: 63"L x 65"W x 60"H

Weight: 7,054 lbs

A-FAB HD 433 SPECIFICATIONS				
PROFILE TYPE	DIMS (inch)	MIN.ID (Ø Inch)	NOTES	
Solid - Square	2-1/2 x 2-1/2 (SM=2.604in ³)	30	○	
Flat-Hard way	4 x 1 (SM=2.667in ³)	32	○	
Flat-Easy way	8x1-1/2 (SM=2.083in ³)	22	○ ●	
T Section Leg-Down	5x5x3/8 (SM=1.571in ³)	48	○ ●	
T Section Leg-Out	4x4x3/8 (SM=1.812in ³)	40	○ ●	
T Section Leg-In	4x4x3/8 (SM=1.812in ³)	52	○ ●	
Angle Leg-Out	4x4x1/2 (SM=1.974in ³)	60	○ ●	
Angle Leg-In	4x4x3/8 (SM=1.523in ³)	60	○ ●	
Tubing - Square	3-1/2x3-1/2x.250 (SM=3.499in ³)	140 (1)	○ ●	
Tubing - Rectangle	5x2x1/8 (SM=3.699in ³)	140 (1)	○ ●	
Solid - Round	Ø3 (SM=2.651in ³)	32	○ ●	
Pipe SCH40	Ø4" (SCH40) (SM=3.214in ³)	60	●	
C Section Leg-Out	C7-12.25# (SM=1.420in ³)	32	○ ●	
C Section Leg-In	C7-12.25# (SM=1.420in ³)	32	○ ●	
C Section Hard Way	C4-5.4# (SM=2.29in ³)	200 (1)	● ▲	
I Section Easy Way	S6-12.5# (SM=1.860in ³)	32	○ ●	
I Section Hard Way	S4-7.7# (SM=3.499in ³)	63	● ▲	
H Section Easy Way	W5-16# (SM=4.579in ³)	60	○ ●	
H Section Hard Way	Max. SM=3.661in ³	160	● ▲	

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

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

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
- Two speed working system
- Mobile control panel
- 3 Axis hydraulic lateral angle guide rolls
- Digital Read-Outs (2pcs)

OPTIONAL

- All kind of pipes, tubes, profile rolls and I and U beam attachments are available upon request
- Variable turning speed

STANDARD

- Steel construction welded frame
- 3 Rolls are powered
- 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

- All kind of pipes, tubes, profile rolls and I and U beam attachments are available upon request
- Variable turning speed



A-FAB 472

Hydraulic Angle Roll



A-FAB 472 SPECIFICATIONS				
PROFILE TYPE	DIMS (Inch)	MIN.ID (Ø inch)	NOTES	
Solid - Square	2-1/2" x 2-1/2" 3/4" x 3/4"	30" 20"	○	
Flat - Along Edge	5" x 1"	48"	○	
Solid - Rectangle	8" x 2"	40"	○	
Angle Leg-Out	5" x 5" x 1/2"	52"	○ ●	
Angle Leg-In	4" x 4" x 3/8"	48"	○ ●	
T Section Leg-Down	4" x 4" x 7/16"	32"	○	
T Section Leg-Out	4" x 4" x 7/16"	32"	○	
T Section Leg-In	4" x 4" x 7/16"	40"	○	
Tubing - Square	3-1/2" x 3-1/2" x 0.200"	71" ∞	○ ●	
Tubing - Rectangle	5" x 1-1/2" x 0.160"	71" ∞	○ ●	
Solid - Round	Ø3"	30"	○ ●	
Pipe SCH40	3/4" SCH 40 5" SCH 40	20" ∞ 60" ∞	●	
Tubing - Round	Ø2" x 0.080" Ø6" x 0.160"	20" ∞ 111" ∞	●	
C Section Leg-Out	C9-20#	40"	○ ●	
C Section Leg-In	C9-20#	48"	○ ●	
I Section Easy Way	S8-18.4#	40"	●	
H Section Easy Way	W5-19#	48"	●	
C Section Hard Way	C5-9#	200"	○ ●	
I Section Hard Way	S6-12.5#	200"	●	
H Section Hard Way	W4-13#	63"	●	

Capacity based on mild steel | ○ Standard Rolls | ● Special Rolls | X Special Support Rolls

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



Motion:

Side rolls move by hydraulic cylinders, upper roll is fixed

Rotation:

All rolls are driven independent hydro-motor+gearbox

Shaft Diameter: 4.72"

Roll Diameters: 15.35"

Motor power: 20 HP

Max Section Modulus: 4.27 in³

Turning Speed: 7-24 FPM

Dimensions: 79"L x 65"W x 75"H

Weight: 10,516 lbs

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: 6-28 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 (I)	○ ●
Tubing - Rectangle		5x3x.250 (SM=5.379in ³)	200 (I)	○ ●
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 (I)	● ▲
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

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

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

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
- Two speed working system
- Mobile control panel
- 3 Axis hydraulic lateral angle guide rolls
- Digital Read-Outs (2pcs)

OPTIONAL

- All kind of pipes, tubes, profile rolls and I and U beam attachments are available upon request
- Variable turning speed
- NC control



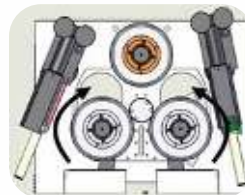
A-FAB 629

Hydraulic Angle Roll



A-FAB 629 SPECIFICATIONS			
PROFILE TYPE	DIMS (inch)	MIN.ID (Ø Inch)	NOTES
Solid - Square 	3-1/2" x 3-1/2" 1-1/4" x 1-1/4"	60" 28"	○
Flat - Along Edge 	6" x 1-1/4"	100"	○
Solid - Rectangle 	11" x 2"	60"	○
Angle Leg-Out 	6" x 6" x 3/4"	90"	○ ●
Angle Leg-In 	6" x 6" x 5/8"	120"	○ ●
T Section Leg-Down 	6" x 6" x 5/8"	80"	○
T Section Leg-Out 	6" x 6" x 5/8"	80"	○
T Section Leg-In 	5" x 5" x 5/8"	100"	○
Tubing - Square 	4" x 4" x 5/16"	126" ∞	○ ●
Tubing - Rectangle 	6" x 2" x 3/16"	120" ∞	○ ●
Solid - Round 	Ø3-1/2"	72"	○ ●
Pipe SCH40 	1" SCH 40 6" SCH 40	28" ∞ 100" ∞	●
Tubing - Round 	Ø2-1/2" x 0.080" Ø7" x 0.160"	30" ∞ 160" ∞	●
C Section Leg-Out 	C12-30#	80"	○ ●
C Section Leg-In 	C12-30#	100"	○ ●
I Section Easy Way 	I12-35#	100"	●
H Section Easy Way 	W8-31#	120"	●
C Section Hard Way 	C7-14.75#	315"	○ ●
I Section Hard Way 	S8-18.4#	200"	●
H Section Hard Way 	W5-19#	170"	●
Capacity based on mild steel ○ Standard Rolls ● Special Rolls X Special Support Rolls			

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



Motion:

Side rolls move by hydraulic cylinders, upper roll is fixed

Rotation:

All rolls driven by independent hydro-motor+gearbox

Shaft Diameter: 6.29"

Roll Diameters: 19.68"

Motor power: 30 HP

Max Section Modulus: 12.2 in³

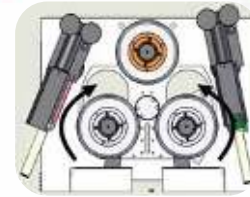
Turning Speed: 9-19 FPM

Dimensions: 99"L x 93"W x 103"H

Weight: 23,590 lbs

A-FAB 708

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: 7.08"

Roll Diameters: 22.83"

Motor power: 40 HP

Max Section Modulus: 20.74 in³

Turning Speed: 9-19 FPM

Dimensions: 103"L x 95"W x 119"H

Weight: 26,456 lbs

A-FAB 708 SPECIFICATIONS			
PROFILE TYPE	DIMS (Inch)	MIN.ID (Ø Inch)	NOTES
Solid - Square	4" x 4" 1-1/4" x 1-1/4"	72" 40"	○
Flat - Along Edge	7" x 1-1/4"	80"	○
Solid - Rectangle	11" x 2-3/8"	72"	○
Angle Leg-Out	7" x 7" x 3/4"	80"	○ ●
Angle Leg-In	7" x 7" x 5/8"	100"	○ ●
T Section Leg-Down	6" x 6" x 3/4"	80"	○
T Section Leg-Out	6" x 6" x 3/4"	80"	○
T Section Leg-In	5" x 5" x 3/4"	105"	○
Tubing - Square	6" x 6" x 5/16"	178" ∞	○ ●
Tubing - Rectangle	8" x 4" x 5/16"	210" ∞	○ ●
Solid - Round	Ø4-3/8"	62"	○ ●
Pipe SCH40	2" SCH 40 8" SCH 40	40" ∞ 160" ∞	●
Tubing - Round	Ø2-1/2" x 0.080" Ø8" x 0.200"	30" ∞ 315" ∞	●
C Section Leg-Out	C12-30#	72"	○ ●
C Section Leg-In	C12-30#	90"	○ ●
I Section Easy Way	SI2-50#	110"	●
H Section Easy Way	W8-40#	100"	●
C Section Hard Way	C9-20#	315"	○ ●
I Section Hard Way	S8-23#	180"	●
H Section Hard Way	W5-19#	160"	●

Capacity based on mild steel | ○ Standard Rolls | ● Special Rolls | X Special Support Rolls

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

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
- Two speed working system
- Mobile control panel
- 3 Axis hydraulic lateral angle guide rolls
- Digital Read-Outs (2pcs)

OPTIONAL

- All kind of pipes, tubes, profile rolls and I and U beam attachments are available upon request
- Variable turning speed
- NC control

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
- Two speed working system
- Mobile control panel
- 3 Axis hydraulic lateral angle guide rolls
- Digital Read-Outs (2pcs)

OPTIONAL

- All kind of pipes, tubes, profile rolls and I and U beam attachments are available upon request
- Variable turning speed
- NC control



A-GIANT HD 748

Heavy Duty Hydraulic Angle Roll

A-GIANT HD 748 SPECIFICATIONS			
PROFILE TYPE	DIMS (Inch)	MIN.ID (Ø inch)	NOTES
Solid - Square	3-1/2 x 3-1/2 (SM=7.146in³)	40	○
Flat-Hard way	6 x 1-1/4 (SM=7.5in³)	44	○
Flat-Easy way	10x2 (SM=6.667in³)	48	○ ●
T Section Leg-Down	6x6x5/8 (SM=3.791in³)	55	○ ●
T Section Leg-Out	5x5x5/8 (SM=4.857in³)	50	○ ●
T Section Leg-In	5x5x1/2 (SM=3.797in³)	63	○ ●
Angle Leg-Out	5x5x5/8 (SM=6.929in³)	52	○ ●
Angle Leg-In	5x5x1/2 (SM=5.659in³)	58	○ ●
Tubing - Square	5x5x.313 (SM=9.16in³)	200 (I)	○ ●
Tubing - Rectangle	6x3x.313 (SM=8.609in³)	200 (I)	○ ●
Solid - Round	Ø4.5 (SM=8.946in³)	48	○ ●
Pipe SCH40	Ø6" (SCH40) (SM=8.496in³)	80	●
C Section Leg-Out	C12-25# (SM=3.82in³)	40	○ ●
C Section Leg-In	C12-25# (SM=3.82in³)	40	○ ●
C Section Hard Way	C7-12.25# (SM=8.459in³)	400 (I)	● ▲
I Section Easy Way	S12-31.8# (SM=6.439in³)	48	○ ●
I Section Hard Way	S6-12.5# (SM=8.449in³)	158	● ▲
H Section Easy Way	W8-21# (SM=5.689in³)	48	○ ●
H Section Hard Way	W6-16# (SM=11.700in³)	196	● ▲

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

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



Motion:

Side rolls move by hydraulic cylinders, upper roll is fixed.

Rotation:

All rolls are driven independent hydro-motor+gearbox

Shaft Diameter: 7.48"

Roll Diameters: 18.11"

Motor power: 30 HP

Max Section Modulus: 13.425 in³

Turning Speed: 5-22 FPM

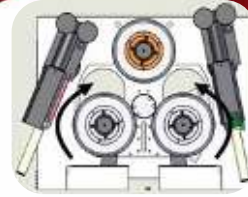
Dimensions: 99"L x 79"W x 75"H

Weight: 17,857 lbs



A-GIANT HD 944

Heavy Duty Hydraulic Angle Roll



Motion:

Side rolls move by hydraulic cylinders, upper roll is fixed

Rotation:

All rolls driven by independent hydro-motor+gearbox

Shaft Diameter: 9.44"

Roll Diameters: 22.04"

Motor power: 50 HP

Max Section Modulus: 36.614 in³

Turning Speed: 5-20 FPM

Dimensions: 126"L x 91"W x 79"H

Weight: 35,273 lbs

A-GIANT HD 944 SPECIFICATIONS			
PROFILE TYPE	DIMS (inch)	MIN.ID (Ø Inch)	NOTES
Solid - Square	5x5 (SM=20.833in ³)	60	○
Flat-Hard way	8x2 (SM=21.833in ³)	60	○
Flat-Easy way	16x2-1/2 (SM=16.667in ³)	44	○ ●
T Section Leg-Down	6x6x3/4 (SM=4.57in ³)	60	○ ●
T Section Leg-Out	6x6x3/4 (SM=8.392in ³)	60	○ ●
T Section Leg-In	6x6x5/8 (SM=6.86in ³)	80	○ ●
Angle Leg-Out	6x6x3/4 (SM=11.900in ³)	63	○ ●
Angle Leg-In	5x5x3/4 (SM=8.139in ³)	63	○ ●
Tubing - Square	7x7x.500 (SM=27.9in ³)	440 (1)	○ ●
Tubing - Rectangle	10x6x.313 (SM=28.8in ³)	440 (1)	○ ●
Solid - Round	Ø6 (SM=21.206in ³)	66	○ ●
Pipe SCH40	Ø8"(SCH40) (SM=16.815in ³)	108	●
C Section Leg-Out	C15-33.9# (SM=6.190in ³)	80	○ ●
C Section Leg-In	C15-33.9# (SM=6.190in ³)	80	○ ●
C Section Hard Way	C9-20# (SM=18.899in ³)	470 (1)	● ▲
I Section Easy Way	S18-54.7# (SM=12.099in ³)	54	○ ●
I Section Hard Way	S8-23# (SM=19.199in ³)	392	● ▲
H Section Easy Way	W10-45# (SM=20.300in ³)	66	○ ●
H Section Hard Way	W8-31# (SM=30.400in ³)	316	● ▲

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

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

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
- Two speed working system
- Mobile control panel
- 3 Axis hydraulic lateral angle guide rolls
- Digital Read-Outs (2pcs)

OPTIONAL

- All kind of pipes, tubes, profile rolls and I and U beam attachments are available upon re- quest
- Variable turning speed
- NC control

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
- Two speed working system
- Mobile control panel
- 3 Axis hydraulic lateral angle guide rolls
- Digital Read-Outs (2pcs)

OPTIONAL

- All kind of pipes, tubes, profile rolls and I and U beam attachments are available upon request
- Variable turning speed
- NC control



A-GIANT HD 1181

Heavy Duty Hydraulic Angle Roll



A-GIANT HD 1181 SPECIFICATIONS			
PROFILE TYPE	DIMS (Inch)	MIN ID (Ø Inch)	NOTES
Solid - Square	6x6 (SM=36in ³)	80	○
Flat-Hard way	10x2-1/2 (SM=41.667in ³)	80	○
Flat-Easy way	18x3 (SM=27in ³)	60	○ ●
T Section Leg-Down	8x8x3/4 (SM=8.07in ³)	80	○ ●
T Section Leg-Out	8x8x3/4 (SM=14.497in ³)	80	○ ●
T Section Leg-In	8x8x3/4 (SM=14.497in ³)	110	○ ●
Angle Leg-Out	8x8x1 (SM=28.499in ³)	96	○ ●
Angle Leg-In	8x8x3/4 (SM=22.00in ³)	96	○ ●
Tubing - Square	8x8x.500 (SM=37.499in ³)	440 (1)	○ ●
Tubing - Rectangle	12x8x.375 (SM=52.999in ³)	630 (1)	○ ●
Solid - Round	Ø7 (SM=33.674in ³)	72	○ ●
Pipe SCH40	Ø12"(SCH40) (SM=47.066in ³)	196	●
C Section Leg-Out	C15-40# (SM=6.840in ³)	80	○ ●
C Section Leg-In	C15-40# (SM=6.840in ³)	80	○ ●
C Section Hard Way	C12-25# (SM=29.40in ³)	470 (1)	● ▲
I Section Easy Way	S24-80# (SM=20.799in ³)	78	○ ●
I Section Hard Way	S12-40.8# (SM=52.70in ³)	787	● ▲
H Section Easy Way	W24-103# (SM=41.499in ³)	160	○ ●
H Section Hard Way	W12-50# (SM=71.900in ³)	860	● ▲

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

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



Motion:

Side rolls move by hydraulic cylinders, upper roll is fixed.

Rotation:

All rolls are driven independent hydro-motor+gearbox

Shaft Diameter: 11.81"

Roll Diameters: 29.13'

Motor power: 60+20 HP

Max Section Modulus: 97.638 in³

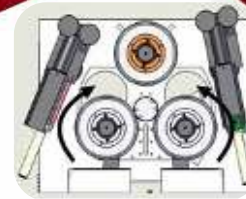
Turning Speed: 5-23 FPM

Dimensions: 152"L x 120"W x 110"H

Weight: 52,910 lbs

A-GIANT HD 1417

Heavy Duty Hydraulic Angle Roll



Motion:

Side rolls move by hydraulic cylinders, upper roll is fixed.

Rotation:

All rolls driven by independent hydro-motor+gearbox

Shaft Diameter: 14.17"

Roll Diameters: 31.49"

Motor power: 74+30 HP

Max Section Modulus: 396.654 in³

Turning Speed: 5-22 FPM

Dimensions: 236"L x 197"W x 138"H

Weight: 99,208 lbs

A-GIANT HD 1417 SPECIFICATIONS				
PROFILE TYPE	DIMS (Inch)	MIN.ID (Ø Inch)	NOTES	
Solid - Square	10x10 (SM=162in ³)	120	○	
Flat-Hard way	16x3 (SM=128in ³)	100	○	
Flat-Easy way	24x5 (SM=100in ³)	84	○ ●	
T Section Leg-Down	8x8x3/4 (SM=8.07in ³)	63	○ ●	
T Section Leg-Out	8x8x3/4 (SM=14.497in ³)	60	○ ●	
T Section Leg-In	8x8x3/4 (SM=14.497in ³)	91	○ ●	
Angle Leg-Out	8x8x1-1/8 (SM=31.599in ³)	72	○ ●	
Angle Leg-In	8x8x1-1/8 (SM=31.599in ³)	84	○ ●	
Tubing - Square	16x16x.500 (SM=164.00in ³)	1180 (1)	○ ●	
Tubing - Rectangle	20x12x.375 (SM=144.00in ³)	1180 (1)	○ ●	
Solid - Round	Ø11 (SM=130.671in ³)	100	○ ●	
Pipe SCH40	Ø20*(SCH40) (SM=477.82in ³)	1575	●	
C Section Leg-Out	C15-50# (SM=8.139in ³)	100	○ ●	
C Section Leg-In	C15-50# (SM=8.139in ³)	100	○ ●	
C Section Hard Way	C12-40# (SM=57.50in ³)	780 (1)	● ▲	
I Section Easy Way	S24-121# (SM=36.299in ³)	86	○ ●	
I Section Hard Way	S20-86# (SM=182.999in ³)	1180	● ▲	
H Section Easy Way	W40-149# (SM=62.200in ³)	196	○ ●	
H Section Hard Way	W24-104# (SM=288.999in ³)	1968	● ▲	

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

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

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
- Two speed working system
- Mobile control panel
- 3 Axis hydraulic lateral angle guide rolls
- Digital Read-Outs (2pcs)

OPTIONAL

- All kind of pipes, tubes, profile rolls and I and U beam attachments are available upon re-quest
- Variable turning speed
- NC control

RMT AB series angle rolls are designed to form steel or aluminum tubes and profiles. OUR CNC control technology can calculate all bending steps. Creation of the programs has never been easier or faster or the bending results better than with our new CNC control. The side roll can be variably adjustable. The AB is also suitable for bending heavy profiles precisely and with high quality. The dies are a modular design made from individual discs. The roller discs can be expanded and combined arbitrarily. Roller disc combinations can be made from steel and plastic.

All rolls are individually and directly driven. No chain drives or sliding clutches are used. The speed is automatically adapted to the diameter of the rollers as well as the profile width and the bending radius. Damage to the profile is avoided and the greatest possible feed force is achieved. The drives offer the highest torque, are maintenance-free and overload-proof.



AB-4 CNC

CNC Angle Roll



AB-4 CNC SPECIFICATIONS			
PROFILE TYPE	DIMS (Inch)	MIN ID (Ø inch)	NOTES
Solid - Square 	1" x 1" 3" x 3"	20" 48"	○
Flat - Along Edge 	5" x 1"	48"	○
Solid - Rectangle 	10" x 1"	40"	○
Angle Leg-Out 	4" x 4" x 3/8"	80"	○ ●
Angle Leg-In 	4" x 4" x 3/8"	100"	○ ●
T Section Leg-Down 	5" x 5" x 1/2"	80"	○
T Section Leg-Out 	5" x 5" x 1/2"	80"	○
T Section Leg-In 	5" x 5" x 1/2"	100"	○
Tubing - Square 	4" x 4" x 0.250"	60" ∞	○ ●
Tubing - Rectangle 	5" x 2-1/2" x 0.250"	80" ∞	○ ●
Solid - Round 	Ø3-1/2"	60"	○ ●
Pipe SCH40 	1" SCH 40 6" SCH 40	15" ∞ 120" ∞	●
Tubing - Round 	Ø1" x 0.080" Ø4" x 0.100"	15" ∞ 40" ∞	●
C Section Leg-Out 	C10-20#	60"	○ ●
C Section Leg-In 	C10-20#	65"	○ ●
I Section Easy Way 	S6-12.5#	60"	●
H Section Easy Way 	N/A	N/A	N/A
C Section Hard Way 	N/A	N/A	N/A
I Section Hard Way 	N/A	N/A	N/A
H Section Hard Way 	N/A	N/A	N/A


Capacity based on mild steel | ○ Standard Rolls | ● Special Rolls | X Special Support Rolls

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

AB-4 CNC

CNC Angle Roll

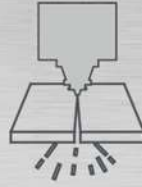


 AB-4 CNC SPECIFICATIONS		
Section Modulus (max)	61	In3
Max. Rectangle Tube Bending Capacity	HSS-6x3x.250 (A36)	Inch
Max. Square Tube Bending Capacity	HSS-6x3x.250 (A36)	Inch
Max. Round Tube Bending Capacity	6" SCH 40 (A36)	Inch
Shaft Diameter	3.54	Inch
Rolls Diameter	8.26-11.02	Inch
Shaft Length	12.2	Inch
Max. Traveling Distance of Central Roll (X)	16.14	Inch
Hydraulic Bending Force of Central Roll (X)	57	US Ton
Hydraulic Bending Torque	3x2655	Lb-Ft
Slide Rolls Opening Distances	17.32-23.62-28.34 33.07-37.79-43.30-47.24-51.97	Inch
Side Support Stroke (Z1-Z2)	5.11	Inch
Bending Speed	0-20 Can be adjustable	RPM
Number of Axes	X, R Optional (Z1, Z2)	#
Positioning	Via Hydraulic proportional flow control	
Air Pressure	87	PSI
CNC Control	Esa	
Electrical Hardware	Siemens, Schneider, Weid-Muller, Merlin-Gerin, 1st Class Electrical Cabinet	
Hydraulic Hardware	Duplomatic (Made in Italy)	
Dimensions (LxWxH)	77x65x59	Inch
Weight	7,936	Lbs
Operating Voltages	480 / 3PH / 60Hz	V
Power Consumption	30	HP
Full Load Amps (380 V/3 Phase)	43	Amps

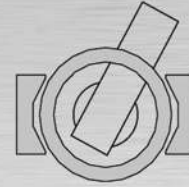
Due to ongoing product development, machine specifications can change at any time.



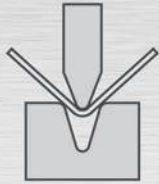
Hydraulic Presses



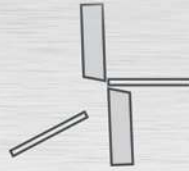
Fiber Lasers



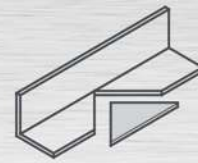
PSM Pipe Lathe



Press Brakes



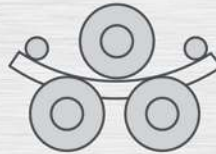
Shears



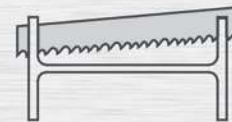
Ironworkers



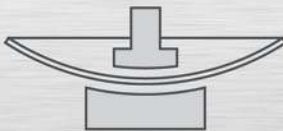
Plate Rolls



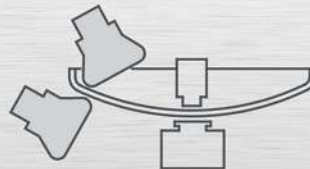
Angle Rolls



Bandsaws



Dishing Presses



Flanging Machines



Drilling Machines

"If you need a machine and don't buy it, you'll find that you have paid for it anyway, but don't have it."

Henry Ford

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