

# ATTACHMENTS





# CX SERIES HYDRAULIC BREAKERS

Designed for optimum performance in concrete breaking and soft rock applications, the CX Series small hydraulic breaker will get your job done easily and efficiently. Our high-strength alloy plate steel construction gives producers the highest quality breaker for continuous use in harsh environments.







### **1 Easy-to-Service**

With fewer parts integrated into the design, servicing the breaker is both easy and less expensive.

### **2 Low Operating Cost**

High flow rates and low operating pressures minimize heat generation and hydraulic shock loading for smooth operation and maximum service life for both the carrier and breaker.

### **3 Reduce Noise Levels**

Boxed housing keeps the noise levels down, essential in densely populated areas.

### **4 Variety of Tools**

The CX series rock breakers can be equipped with chisel, blunt ormoil tools.

Dimension	CX4		CX6		CX6F		CX8		CX8F	
	Stand.	Metric	Stand.	Metric	Stand.	Metric	Stand.	Metric	Stand.	Metric
Carrier Range	4,410-8,820lb	2,000-4,000kg	6,615-11,025lb	3,000-5,000kg	6,615-11,025lb	3,000-5,000kg	6,615-17,640lb	3,000-8,001kg	6,615-17,640lb	3,000-8,001kg
Operating Weight	397lb	180kg	493lb	224kg	440lb	200kg	734lb	333kg	635lb	288kg
Energy Class	400ft-lb	550 J	600ft-lb	815 J	600ft-lb	815 J	800ft-lb	1085 J	800ft-lb	1,085 J
Tool Diameter	2.1 in	53mm	2.4 in	62mm	2.4 in	62mm	2.8 in	70mm	2.8 in	70mm
Tool Working Length	12.6 in	321mm	13.7 in	349mm	15.5 in	394mm	16.3 in	413mm	18.2 in	463mm
Blow Rate	600-1100 bpm		500-1000 bpm		500-1000 bpm		350-1000 bpm		350-1000 bpm	
Hydraulic Working Pressure	1,160-1,740psi	80-120 bar	1,450-2,610psi	100-180 bar	1,450-2,610psi	100-180 bar	1,450-2,610psi	100-180 bar	1,450-2,610psi	100-180 bar
Relief Valve Setting	2,175psi	150bar	3,045psi	210bar	3,045psi	210bar	3,045psi	210bar	3,045psi	210bar
Recommended Flow Range	7-12 gpm	25-45 l/min	12-24 gpm	45-90 l/min	12-24 gpm	45-90 l/min	12-24 gpm	45-90 l/min	12-24 gpm	45-90 l/min
Nitrogen Pressure, Head	160psi	11bar	160psi	11bar	160psi	11bar	160psi	11bar	160psi	11bar
Hydraulic Hose Connection	#10 JIC		#10 JIC		#10 JIC		#10 JIC		#10 JIC	
Remote Grease Connection	N/A		N/A		N/A		PF ¼"		PF ¼"	
Remote Air Connection	N/A		N/A		N/A		N/A		N/A	
Anti-Blank Fire Selector	N/A		N/A		N/A		Yes		Yes	
Two Stroke Selector	N/A		N/A		N/A		Manual		Manual	







# BX SERIES HYDRAULIC BREAKERS

The BX series hydraulic breaker excavator attachments are built to power your productivity in both concrete and rock applications. These breakers are ideal for demolition, construction or aggregate purposes and are made to withstand continuous breaking in harsh environments.







### **1 Optimize Production**

Breaker-mounted manual stroke selector valve optimizes power and speed, giving producers options for different applications.

### **2 Auto-grease Option**

The auto-grease system keeps the tool lubricated without the hassle of stopping the production cycle. The system delivers just the right amount of grease when it's needed most, and the system easily installs directly on the breaker.

### **3 Extreme-duty and Wear Bar Kit Option**

The extreme-duty and wear bar kit offers additional protection to the wear and tear of the rock breaker with a factory application of cast abrasion strips and wear resistant plate with rock claws.

Dimension	BX10		BX15		BX20		BX30		BX40	
	Stand.	Metric	Stand.	Metric	Stand.	Metric	Stand.	Metric	Stand.	Metric
Carrier Range	11,025-17,640 lb	5001 - 8001 kg	13,255-19,840 lb	6012 - 8999 kg	22,050-33,070 lb	10,001-15,000 kg	35,275-44,100 lb	16,000-20,003 kg	39,700-55,100 lb	18007-24,993 kg
Operating Weight	938 lb	430 kg	1,355 lb	615 kg	2,050 lb	930 kg	2,670lb	1,210kg	3,830lb	1,740kg
Energy Class	1,000 ft-lb	1,350 J	2035 ft-lb	1,500 J	2,000 ft-lb	2710 J	3,000 ft-lb	4065 J	4,000 ft-lb	5420 J
Tool Diameter	3.1 in	78 mm	3.3 in	85 mm	4.1 in	105 mm	4.7 in	120 mm	5.3 in	135 mm
Tool Working Length	17.5 in	445 mm	18.3 in	465 mm	21.2 in	538 mm	26.3 in	668 mm	26.3 in	668 mm
Blow Rate	350-1000 bpm		300-700 bpm		350-750 bpm		350-850 bpm		350-600 bpm	
Hydraulic Working Pressure	1,450-2030 psi	100-140 bar	1,450-2,030 psi	100-140 bar	1,740-2,320 psi	120-160 bar	1,740-2,450 psi	120-170 bar	1,900-2,450 psi	130-170 bar
Relief Valve Setting	2,610 psi	180 bar	2,755 psi	190 bar	2,755 psi	190 bar	3,045 psi	210 bar	3,045 psi	210 bar
Recommended Flow Range	12-21 gpm	45-80 l/min	14-27 gpm	50-100 l/min	24-29 gpm	90-110 l/min	27-37 gpm	100-140 l/min	29-42 gpm	110-160 l/min
Nitrogen Pressure, Head	160 psi	11 bar	160 psi	11 bar	160 psi	11 bar	160 psi	11 bar	160 psi	11 bar
Hydraulic Hose Connection	#12 JIC						#16 JIC			
Remote Grease Connection	PF 3/8"									
Remote Air Connection	PT 3/8"									
Anti-Blank Fire Selector	Yes									
Two Stroke Selector	Manual									







# BXR SERIES HYDRAULIC BREAKERS

The large-size BXR series hydraulic breaker attachments are designed for both speed and strength without compromising longevity. The blow energy of the hydraulic breaker is maximized in varying rock conditions by using recoil-sensing technology with operator actuated, two-speed control and an oversized piston. This design boosts speed without the need for additional flow.







### **1 Exceptional Impact Energy**

The extra-long stroke pressure balanced piston, oil regeneration system and button-nose piston design maximizes the blow energy needed to break hard rock.

### **2 Durability**

High-strength alloy plate steel with abrasion-resistant plate housing and heat-treated alloy pistons allow the rock breaker to withstand harsh conditions.

### **3 Long Rock Breaker Life**

A remotely-located greasing port provides a convenient interface to carrier-mounted remote greasing systems and contributes to the longevity of the breaker.

Dimension	BXR50C		BXR65C		BXR85C	
	Stand.	Metric	Stand.	Metric	Stand.	Metric
Carrier Range	39,700-77,160lb	18,007-34,999kg	41,890-92,595lb	19,001-42,000kg	61,730-114,640lb	28,000-52,000kg
Operating Weight	4,200lb	1,910kg	4,850lb	2,200kg	6,500lb	2,950kg
Energy Class	5,000ft-lb	6,780 J	6,500ft-lb	8,810 J	8,500ft-lb	11,520 J
Tool Diameter	5.5in	140mm	5.9in	150mm	6.3in	160mm
Tool Working Length	25in	635mm	26.2in	665mm	29.3in	745mm
Blow Rate	440-810 bpm		400-780 bpm		340-670 bpm	
Recommended Flow Range	42-53 gpm	160-200 l/min	46-58 gpm	175-220 l/min	51-63 gpm	190-240 l/min
Relief Valve Setting	3,500psi	240bar	3,500psi	240bar	3,500psi	240bar
Hydraulic Working Pressure	2,700psi	186bar	2,700psi	186bar	2,700psi	186bar
Maximum Output	84hp	62kW	91hp	68kW	99hp	74kW
Nitrogen Pressure, Head	160psi	11bar	160psi	11bar	160psi	11bar
Nitrogen Pressure, Accumulator	900psi	62bar	900psi	62bar	900psi	62bar
Anti-Blank Fire Selector	Yes		Yes		Yes	
Two Stroke Selector	Manual/Hydraulic		Manual/Hydraulic		Manual/Hydraulic	
Oil Regeneration System	Yes		Yes		Yes	
Remote Grease Connection	¼" NPT		¼" NPT		¼" NPT	
Remote Air Connection	PT ½"		PT ½"		PT ½"	
Hydraulic Hose Connection	#16 JIC		#16 JIC		#20 JIC	
Automatic Lubrication System	Optional		Optional		Optional	



Dimension	BXR 100C		BXR 120C		BXR 160C		BXR 185D	
	Stand.	Metric	Stand.	Metric	Stand.	Metric	Stand.	Metric
Carrier Range	74,960-149,915lb	34,001-68,000kg	92,595-176,370	42,000-80,000kg	121,255-220,460lb	55,000-99,999kg	143,300-264,555lb	65,000-120,000
Operating Weight	7,800lb	3,540kg	9,200lb	4,170kg	12,100lb	5,490kg	15,660lb	7,100kg
Energy Class	10,000 ft-lb	13,560 J	12,000 ft-lb	16,270 J	16,000 ft-lb	21,860 J	18,500 ft-lb	25,100 J
Tool Diameter	6.7in	170mm	7.1in	180mm	7.9in	200mm	8.7in	220mm
Tool Working Length	30.3in	770mm	31.9in	810mm	36.6in	930mm	35.9in	913mm
Blow Rate	360-690 bpm		330-620 bpm		260-410 bpm		290-348 bpm	
Recommended Flow Range	66-82 gpm	250-310 l/min	85-106 gpm	320-400 l/min	95-119 gpm	360-450 l/min	96-120 gpm	364-455 l/min
Relief Valve Setting	3,500psi	240bar	3,500psi	240bar	3,500psi	240bar	3,500psi	240bar
Hydraulic Working Pressure	2,700psi	186bar	2,700psi	186bar	2,700psi	186bar	2,700psi	186bar
Maximum Output	129hp	96kW	167hp	124kW	188hp	140kW	189hp	141kW
Nitrogen Pressure, Head	160psi	11bar	160psi	11bar	160psi	11bar	160psi	11bar
Nitrogen Pressure, Accumulator	900psi	62bar	900psi	62bar	900psi	62bar	900psi	62bar
Anti-Blank Fire Selector	Yes		Yes		Yes		Yes	
Two Stroke Selector	Manual/Hydraulic		Manual/Hydraulic		Manual/Hydraulic		Manual/Hydraulic	
Oil Regeneration System	Yes		Yes		Yes		Yes	
Remote Grease Connection	¼" NPT		¼" NPT		¼" NPT		¼" NPT	
Remote Air Connection	PT ½"		PT ½"		PT ½"		PT ½"	
Hydraulic Hose Connection	#20 JIC		#20 JIC		#20 JIC		#24 ORS	
Automatic Lubrication System	Optional		Optional		Optional		Optional	

# HYDRAULIC COMPACTORS

Astec's unique hydraulic compactor design delivers high-impulse energy to help you reach exceptional compaction proctor densities while minimizing maintenance intervals. Astec offers five models to satisfy a wide range of compaction applications, including soil, embankments, trenches, sheet piling and posts. Our compactors offer you high performance, quality and range, giving you years of dependable operation.







**1 Less Stress, More Compaction**

Large rubber isolators prevent vibration in the upper structure, delivering maximum energy through the base plate and into the soil for excellent proctor densities.

**2 Maximum Performance, Minimal Oil**

The hydraulic motor is sized for high flow and low pressure to match the auxiliary hydraulic circuit of back hoes and mini excavators, reducing heat generation. A standard flow control valve protects the rotating group from over-speeding, ensuring optimal operating speeds by returning excess flow to the tank.

**3 Low Maintenance**

Our standard oil bath lubrication ensures continuous bearing lubrication, eliminating the need for manual greasing.

**4 Bracket Options**

Flange-type mounting brackets are standard. Dedicated OEM pin center, multiple OEM pin center and quick coupler configurations are available.



Dimension	TC52L / TC52H				TC72		TC92VL / TC92VH			
	Imperial		Metric		Imperial	Metric	Imperial		Metric	
Carrier Range	2,000-10,000 lb		900-4,500 kg		7,700-19,000 lb	3,500-8,600 kg	17,000-26,000 lb		8,000-12,000 kg	
Operating Weight	295 lb		135 kg		610 lb	275 kg	1,150 lb		520 kg	
Impulse Force	1,930-3,000 lb		875-1,360 kg		2,600-5,000 lb	1,170-2,270 kg	5,500-8,200 lb		2,495-3,720 kg	
Speed	1,800-2,500 rpm				1,800-2,500 rpm		1,800-2,200 rpm			
Plate Dimensions	12.5 x 28 in		318 x 711 mm		15 x 31.5 in	381 x 800 mm	23 x 36.4 in		584 x 925 mm	
Recommended Flow Range	7-16 GPM	11-24 GPM	26-60 LPM	42-90 LPM	12-28 GPM	45-105 LPM	12-21 GPM	20-33 GPM	45-80 LPM	75-125 LPM
Regulated Oil Flow	12 GPM	18 GPM	45 LPM	68 LPM	22 GPM	83 LPM	15 GPM	25 GPM	56 LPM	95 LPM
Relief Valve Setting	2,500 psi		172 bar		2,500 psi	172 bar	3,625 psi		250 bar	
Typical Lift	1-2 ft		0.3-0.6 t		2-3 ft	0.6-0.9 t	2-4 ft		0.6-1.2 t	
Typical Production	14-22 yd³/hr		11-17 m³/hr		18-27 yd³/hr	14-21 m³/hr	25-35 yd³/hr		19-27 m³/hr	
Ground Pressure	7-10.9 psi		0.48-0.75 bar		7-13.6 psi	0.48-0.94 bar	9.2-13.7 psi		0.63-0.94 bar	
Hydraulic Hose Connection	#10 JIC				#12 JIC		#12 JIC			



Dimension	TC152VL / TC152VH				TC302VL / TC302VH			
	Imperial		Metric		Imperial		Metric	
Carrier Range	24,000-55,000 lb		11,000-25,000 kg		33,000-77,000 lb		15,000-35,000 kg	
Operating Weight	1,565 lb		710 kg		2,045 lb		925 kg	
Impulse Force	11,130-16,630 lb		5,050-7,540 kg		16,330-24,400 lb		7,405-11,065 kg	
Speed	1,800-2,200 rpm				1,800-2,200 rpm			
Plate Dimensions	28 x 45.7 in		711 x 1,160 mm		34 x 48.9 in		864 x 1,243 mm	
Recommended Flow Range	26-43 GPM	37-58 GPM	100-160 LPM	140-220 LPM	37- 58 GPM	53-80 GPM	140-220 LPM	200-302 LPM
Regulated Oil Flow	33 GPM	46 GPM	124 LPM	173 LPM	46 GPM	65 GPM	173 LPM	246 LPM
Relief Valve Setting	3,625 psi		250 bar		3,625 psi		250 bar	
Typical Lift	3-5 ft		0.9-1.5 t		4-6 ft		1.2-1.8 t	
Typical Production	70-80 yd³/hr		54-61 m³/hr		140-160 yd³/hr		107-122 m³/hr	
Ground Pressure	11.2-16.7 psi		0.77-1.15 bar		13.4-20 psi		0.92-1.38 bar	
Hydraulic Hose Connection	#16 JIC				#16 JIC			



# MECHANICAL PULVERIZERS

The EXC series mechanical concrete pulverizer attachment is designed for quiet, controlled secondary demolition and concrete recycling. The pulverizer uses existing excavator hydraulics requiring no additional circuits and features replaceable teeth that allow for field replacement in minutes.







### 1 Pulverizer Teeth

The unique tooth design of the Astec mechanical pulverizer allows for exceptional penetration and fragmentation. The bolt-on, replaceable teeth can be replaced individually, saving on both time and maintenance costs.

### 2 Pulverizer Applications

The Astec mechanical pulverizer is ideal for secondary concrete demolition and recycling.

### 3 Pulverizer Construction

The EXC series is equipped with a powerful jaw for maximum crushing capability and wear-resistant steel for long life and durability.

### 4 Hydraulics

Producers can use their carrier's existing hydraulics without additional circuits.

Dimension	EXC60CP		EXC80CP		EXC100CP	
	Stand.	Metric	Stand.	Metric	Stand.	Metric
Carrier Range	44,092-66,139lb	20,000-30,000kg	66,139-88,185lb	30,000-40,000kg	88,185-110,231lb	40,000-50,000kg
Operating Weight	4,927lb	2235kg	5,368lb	2435kg	5,490lb	2490kg
Jaw Opening (A)	37.3in	948mm	48.4in	1,230mm	48.4in	1,230mm
Jaw Depth (B)	27.1in	687mm	34.4in	873mm	34.4in	873mm
Jaw Width (C)	33.3in	845mm	35in	889mm	37in	940mm
Tooth Configuration (upper/lower)	3/4		3/4		3/4	



# HYDRAULIC PULVERIZERS

Astec hydraulic pulverizers are the ideal attachment for secondary demolition. Quick cycle times and strategically-placed teeth make these pulverizers your go-to tool for fast fragmentation and separation of rebar from the concrete.







### **1 Faster Cycle Times**

The speed valve on the cylinder increases cycle times, greatly improving efficiency and productivity of the attachment.

### **2 Exceptional Wear Resistance**

The pulverizer has a tough and compact structure made of high quality, wear-resistant materials. The mouth's profile is reinforced and designed to maximize material production.

### **3 Blades**

All models come standard with rebar cutting blades, which can be turned for extended wear life

### **4 Releasing Demolished Material**

The openings on the fixed body allow demolished material to pass easily, while maintaining the performance and productivity of the attachment.

Dimension	MCP480		MCP800-IT		MCP910-IT		MCP1000-IT	
	Stand.	Metric	Stand.	Metric	Stand.	Metric	Stand.	Metric
Carrier Range	8,818-22,046lb	4,000-10,000kg	39,683-55,115lb	18,000-25,000kg	55,115-77,162lb	25,000-35,000kg	77,162-99,208lb	35,000-45,000kg
Operating Weight	1,080lb	490 †	4,850lb	2,200 †	6,834lb	3,100 †	9,259lb	4,200 †
Jaw Opening (A)	18.9in	480mm	32.7in	830mm	39.4in	1000mm	45.3in	1150mm
Height (B)	48.2in	1,225mm	81.5in	2,070mm	94.5in	2,400mm	106.3in	2,700mm
Width (C)	13.8in	350mm	21.7in	550mm	23.8in	605mm	26in	660mm
Jaw Depth (D)	20.3in	515mm	31.5in	800mm	37.4in	950mm	43.3in	1,100mm
Force at Upper Tips F1 (front teeth)	85,980lb	39 †	158,733lb	72 †	218,258lb	99 †	266,759lb	121 †
Force at Middle F2 (middle of blade)	132,277lb	60 †	257,941lb	117 †	350,535lb	159 †	436,515lb	198 †
Cutting Force F3	286,601lb	130 †	462,971lb	210 †	654,773lb	297 †	846,575lb	384 †
Hydraulic Working Pressure	3,191-4,061psi	220-280 bar	4,061-4,641psi	280-320 bar	4,061-4,641psi	280-320 bar	4,061-4,641psi	280-320 bar
Recommended Flow Range	21.1-26.4 gpm	80-100 l/min	47.6-58.1 gpm	180-220 l/min	58.1-74 gpm	220-280 l/min	74-84.5 gpm	280-320 l/min
Jaw Close Time (max oil flow)	3.4 sec		2.3 sec		2.9 sec		3.5 sec	
Jaw Open Time (max oil flow)	2.4 sec		2.3 sec		2.7 sec		3.4 sec	
Cycles per Minute (max oil flow)	10.4 cycles/min		13.2 cycles/min		10.6 cycles/min		8.7 cycles/min	
Hydraulic Ports Size (Cylinder)	1/2" SAE Code 62		1" SAE Code 62		1.25" SAE Code 62		1.25" SAE Code 62	
Maximum Cut Diameter	1 in	25mm	2.2in	55mm	2.4in	60mm	2.6in	65mm
Blade Length	4.7in	120mm	7.1in	180mm	7.1in	180mm	8.7in	220mm
Rotation Type	None		None		None		None	
Speed Valve	No		Yes		Yes		Yes	
Interchangeable Tooth Plate	No		Yes		Yes		Yes	
Automatic Grease System	No		No		No		No	
Booster	No		No		No		No	



Dimension	RP20-IT		RP30-IT		RP40-IT	
	Stand.	Metric	Stand.	Metric	Stand.	Metric
Carrier Range	39,683-57,320lb	18,000-26,000kg	57,320-70,548lb	26,000-32,000kg	70,548-99,208lb	32,000-45,000kg
Operating Weight	4,409lb	2,000 t	6,283lb	2,850 t	9,039lb	4,100 t
Jaw Opening (A)	29.5in	750mm	35.4in	900mm	39.4in	1,000mm
Height (B)	83.9in	2,130mm	94.5in	2,400mm	105.5in	2,680mm
Width (C)	18.7in	475mm	21.7in	550mm	24.4in	620mm
Jaw Depth (D)	28.7in	730mm	33.5in	850mm	34.3in	870mm
Force at Upper Tips F1 (front teeth)	156,528lb	71 t	185,188lb	84 t	260,146lb	118 t
Force at Middle F2 (middle of blade)	242,509lb	110 t	286,601lb	130 t	416,674lb	189 t
Cutting Force F3	590,839lb	268 t	577,611lb	262 t	820,120lb	372 t
Hydraulic Working Pressure	4,351-5,076psi	300-350 bar	4,351-5,076psi	300-350 bar	4,351-5,076psi	300-350 bar
Recommended Flow Range	47.6-52.8 gpm	180-200 l/min	52.8-58.1 gpm	200-220 l/min	58.1-74 gpm	220-280 l/min
	360° H		360° H		360° H	
Hydraulic Motor Pressure Range	1,885-2,176psi	130-150 bar	1,450-1,668psi	100-115 bar	1,450-1,668psi	100-115 bar
Hydraulic Motor Flow Range	7.9-10.6 gpm	30-40 l/min	7.9-10.6 gpm	30-40 l/min	7.9-10.6 gpm	30-40 l/min
Jaw Close Time (max oil flow)	1.4 sec		2.3 sec		2.9 sec	
Jaw Open Time (max oil flow)	2.3 sec		2.3 sec		2.7 sec	
Cycles per Minute (max oil flow)	16.3 cycles/min		13.2 cycles/min		10.6 cycles/min	
Rotation Speed (max oil flow)	11.5 rpm		8.1 rpm		7.4 rpm	
Hydraulic Ports Size (Cylinder)	1" SAE Code 62		1" SAE Code 62		1.25" SAE Code 62	
Hydraulic Ports Size (Rotation)	1/2" Gas		1/2" Gas		1/2" Gas	
Hydraulic Ports Size (Drain)	N/A		N/A		1/4" Gas	
Maximum Cut Diameter	2.2in	55mm	2.4in	61mm	2.6in	66mm
Blade Length	7.1in	180mm	8.7in	220mm	8.7in	220mm
Speed Valve	Yes		Yes		Yes	
Interchangeable Tooth Plate	Yes		Yes		Yes	
Automatic Grease System	No		No		No	
Booster	No		No		No	

# HYDRAULIC SHEARS

Dedicated shears are for many different work applications, including demolition of steel structures, processing steel in scrap applications and many others. The EAGLE shear II offers superior productivity through its powerful jaw design and high-quality blades. The blades can be changed quickly and easily, minimizing machine downtime, optimizing productivity.







### **1 Shear Blades**

The blades' rhomboid shape reduces stress on the jaws. Each blade can be turned effectively three times for reduced wear parts.

### **2 Shear Cylinders**

The increased size of the cylinder allows for 20% more power. A forged cylinder rod increases functionality and security.

### **3 Jaw Design**

The fixed jaw design increases cutting capacity, allowing material to fall away easily.

### **4 Central Pin Adjustment**

A unique central pivot pin layout allows for regular adjustment of the pin to ensure perfect shearing. The fully-protected pin can be removed for easy maintenance..

Dimension	SH180R		SH310R	
	Stand.	Metric	Stand.	Metric
Carrier Range (3rd member)	39,683-59,525lb	18,000-27,000kg	61,729-85,980lb	28,000-39,000kg
Carrier Range (2nd member)	30,865-39,683lb	14,000-18,000kg	44,092-61,729lb	20,000-28,000kg
Operating Weight (3rd member)	4,630lb	2,100kg	7,275lb	3,300kg
Operating Weight (2nd member)	4,850lb	2,200kg	7,496lb	3,400kg
Jaw Opening (A)	17.5in	445mm	22.2in	565mm
Jaw Depth (B)	20.7in	525mm	24.8in	630mm
Length (C)	106.3in	2,700mm	129.9in	3,300mm
Force at Upper Tips F1	165,347lb	75 t	242,509lb	110 t
Cutting Force F2 (main blade centre)	437lb	198 t	630,522lb	286 t
Force at Pin F3	1,697,560lb	770 t	2,272,966lb	1,031 t
Hydraulic Working Pressure	4,641 -5,076psi	320-350bar	4,641 -5,076psi	320-350bar
Recommended Flow Range	39.6-52.8 gpm	150-200 l/min	52.8-66 gpm	200-250 l/min
Rotation Type	360° H		360° H	
Hydraulic Motor Pressure Range	1,885-2,176psi	130-150bar	1,450-1,668psi	100-115bar
Hydraulic Motor Flow Range	7.9-10.6 gpm	30-40 l/min	7.9-10.6 gpm	30-40 l/min
Jaw Close Time (max oil flow)	1.9 sec		2.5 sec	
Jaw Open Time (max oil flow)	2.6 sec		4.3 sec	
Cycles per Minute (max oil flow)	13.5		8.8	
Rotation Speed (max oil flow)	11.2		6.7	
Hydraulic Ports Size (Cylinder)	1" SAE Code 62		1" SAE Code 62	
Hydraulic Ports Size (Rotation)	1/2" Gas		1/2" Gas	
Hydraulic Ports Size (Drain)	N/A		1/4" Gas	
Rod	2.6in	65mm	3.3in	85mm
Pipe	8 x 0.3in	203 x 8mm	12.8 x 0.4in	324 x 10mm
IPE	14.2in	360mm	19.7in	500mm
HEA	11in	280mm	13.4in	340mm
HEB	7.9in	200mm	11in	280mm
Plate	0.6in	15mm	0.8in	20mm
L profile	7.9 x 0.6in	200 x 15mm	7.9 x 0.8in	200 x 20mm
Rail	No		No	



Dimension	SH410R		SH550R		SH700R	
	Stand.	Metric	Stand.	Metric	Stand.	Metric
Carrier Range (3rd member)	85,980-110,231lb	39,000-50,000kg	112,436-143,301lb	51,000-65,000kg	154,324-198,416lb	70,000-90,000kg
Carrier Range (2nd member)	61,729-85,980lb	28,000-39,000kg	85,980-99,208lb	39,000-45,000kg	99,208-132,277lb	45,000-60,000kg
Operating Weight (3rd member)	10,362lb	4,700kg	12,677lb	5,750kg	16,976lb	7,700kg
Operating Weight(2nd member)	10,803lb	4,900kg	13,228lb	6,000kg	17,416lb	7,900kg
Jaw Opening (A)	26.4in	670mm	29.9in	760mm	32.7in	830mm
Jaw Depth (B)	28.3in	720mm	30.7in	780mm	33.1in	840mm
Length (C)	145.7in	3,700mm	155.5in	3,950mm	169.3in	4,300mm
Force at Upper Tips F1	332,898lb	151 t	407,855lb	185 t	473,994lb	215 t
Cutting Force F2 (main blade centre)	910,509lb	413 t	1,053,810lb	478 t	1,216,952lb	552 t
Force at Pin F3	3,024,743lb	1,372 t	3,990,368lb	1,810 t	4,587,820lb	2,081 t
Hydraulic Working Pressure	4,641-5,076psi	320-350bar	4,641-5,076psi	320-350bar	4,641-5,076psi	320-350bar
Recommended Flow Range	66-79.3 gpm	250-300 l/min	72.6-99.1 gpm	275-375 l/min	132.1-158.5 gpm	500-600 l/min
Rotation Type	360° H		360° H		360° H	
Hydraulic Motor Pressure Range	1,450-1,668psi	100-115bar	1,450-1,668psi	100-115bar	2,030-2,176psi	140-150bar
Hydraulic Motor Flow Range	7.9-10.6 gpm	30-40 l/min	7.9-10.6 gpm	30-40 l/min	13.2-15.9 gpm	50-60 l/min
Jaw Close Time (max oil flow)	4 sec		4.3 sec		2.8 sec	
Jaw Open Time (max oil flow)	5 sec		5.3 sec		4.8 sec	
Cycles per Minute (max oil flow)	6.7		6.2		7.9	
Rotation Speed (max oil flow)	7.4		5.7		9.7	
Hydraulic Ports Size (Cylinder)	1.25" SAE Code 62		1.25" SAE Code 62		1.5" SAE Code 62	
Hydraulic Ports Size (Rotation)	1/2" Gas		1/2" Gas		1/2" Gas	
Hydraulic Ports Size (Drain)	1/4" Gas		1/4" Gas		1/4" Gas	
Rod	3.9in	100mm	4.3in	110mm	5.1in	130mm
Pipe	16 x 0.5in	406 x 12mm	20 x 0.6in	508 x 14mm	22 x 0.6in	560 x 16mm
IPE	23.6in	600mm	27.6in	700mm	31.5in	800mm
HEA	15.7in	400mm	19.7in	500mm	25.6in	650mm
HEB	11.8in	300mm	14.2in	360mm	17.7in	450mm
Plate	1in	25mm	1in	25mm	1.2in	30mm
L profile	7.9 x 1.0in	200 x 25mm	9.8 x 1.0in	250 x 25mm	11.8 x 1.2in	300 x 30mm
Rail	Yes		Yes		Yes	



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