



REBAR CUTTERS/REBAR BENDERS

DIAMOND rebar cutters and benders enable you to get the job done quickly, efficiently and safely. Our products range from powerful hand-held tools through portable table units for on-site use to specialized equipment for the production shop.

At the heart of each of our hand-held cutters and benders is the time-proven DIAMOND operating system, which uses electrically driven hydraulics to ensure smooth, powerful and fast results. Since DIAMOND originated this concept in 1972, continuous development has led to higher output, lower weight and even greater toughness and durability.

Our DC series cutters cleanly shear a rebar within a few seconds, are quicker and more economical than disc or abrasive type cutters and, unlike oxyacetylene torches, do not damage the rebar by heat transference. Safety too is improved as there are no sparks or flame and no trailing hoses to snare equipment or workers' feet.

The DBD series portable benders may be run off a small generator and are designed for the ease of operation and quick yet accurate bending necessary for fabrication in the field, while the production shop equipment offers a selection of heavy-duty and automatic models to suit a variety of needs.

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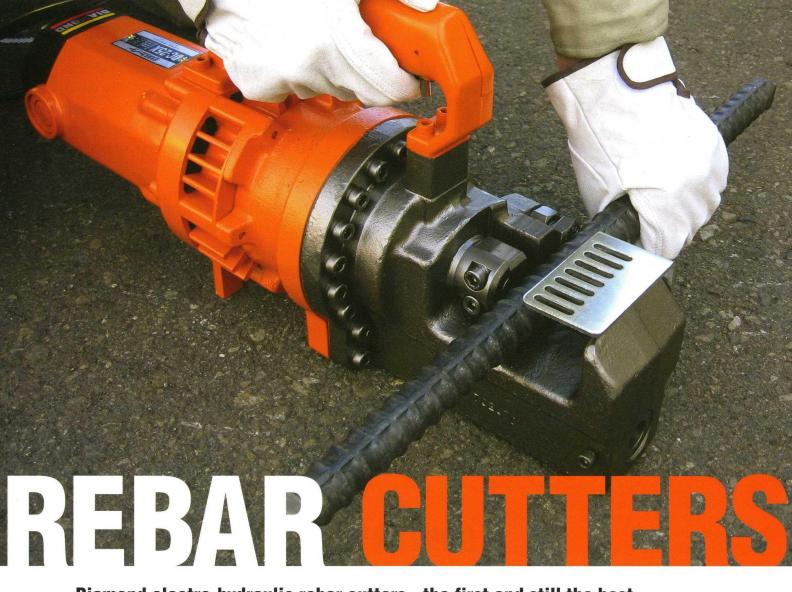


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Diamond electro-hydraulic rebar cutters—the first and still the best









Model	DC-25X	DC-25W	DC-20WH	DC-20W	DC-20HL
Max.rebar diameter	25mr	n (1")	20mm (3/4")		
Cutting speed	5 sec.	4 sec. 3 sec. 4 se			4 sec.
Max.tensile strength	650 N/mm²				
Power supply	Single phase mains electricity / Generator				
Voltage	100V/115V/230V				
Power Input	1330W	2000W	1050W	2500W	1050W
Weight	22.5kg	22.0kg	11.5kg	10.5kg	11.5kg
Dimensions (mm)	515×150×250	525×145×250	410×110×210	500×150×135	395×112×220

REBAR CUTTERS





Model	DC-16W	DC-13LV	DC-16LZ
Max.rebar diameter	16mm (5/8")	13mm (1/2")	16mm (5/8")
Cutting speed	2.5 sec.	1.5 sec.	2 sec.
Max.tensile strength	650 N/mm²		490 N/mm²
Power supply	Single phase mains electricity / Generator		
Voltage	100V/115V/230V		
Power Input	1050W	1020W	1020W
Weight	8kg	6.0kg	6.8kg
Dimensions (mm)	460×270×115	380×220×105	380×175×105









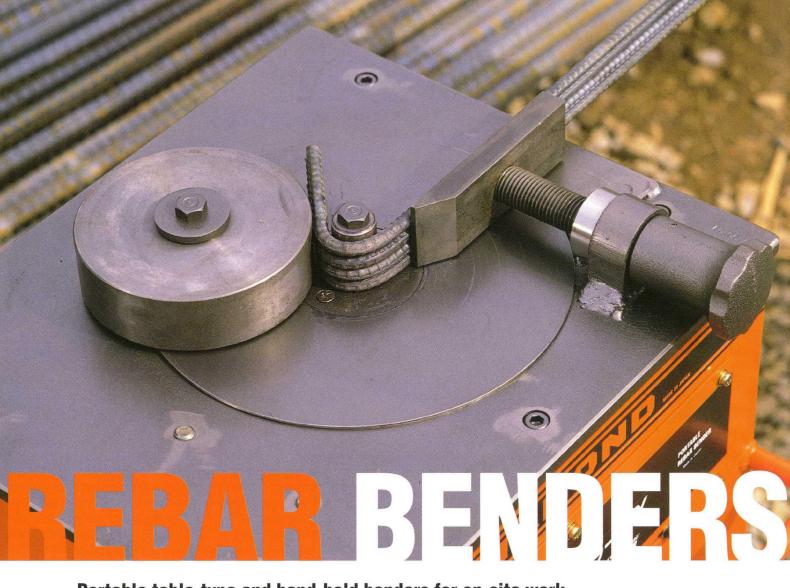
SPECIFICATIONS

Model	DC-32WH	DCC-1618	DCC-1314	
Max.rebar diameter	32mm (11/4")	16mm (5/8")	13mm (1/2")	
Cutting speed	12 sec.	5 sec.	4.5 sec.	
Max.tensile strength	650 N/mm ²	490 N/mm²		
Power supply	※ 1	Battery charger		
Voltage	100V/115V/230V	DC18V Battery	DC14.4V Battery	
Power Input	2000W	3.0 Ah		
Weight	ht 35.8kg 7.3 kg		4.5 kg	
Dimensions (mm)	591×180×272	460×98×240	300×85×250	

※1: Single phase mains electricity / Generator



The DCC-1618 and its smaller brother, the 4.5kg DCC-1314, are cordless cutters with heads that rotate through 345 $^\circ$ for use in truly awkward locations. Handling rebars of up to 16mm (5/8") and 13mm (1/2") 490N/mm² tensile strength respectively, they are equally suitable for mesh and bolts and, since they do not produce sparks or generate heat, they are particularly effective in rescue operations. No need to worry about battery performance: up to 150 cuts with 13mm (1/2") rebars (used on 16mm (5/8") rebars, the DCC-1618 makes up to 100 cuts per charge).



Portable table-type and hand-held benders for on-site work

DBD series benders are fast, accurate and easy to use: just set the bending angle and press the button.

DBD-25H





Our latest table-type bender is a heavy-duty model for rebars of up to 25mm (1") 620N/mm² tensile strength. It comes fully equipped with a set of nine bending rollers in a steel carrying case. Although intended primarily for on-site work, it is eminently suitable for the production shop.



DBD-25X













Both the DBD-25X and the smaller, lighter DBD-25L are prized field models because of their proven durability and ability to bend 25mm (1") 450N/mm² tensile strength rebars. For rebars of up to 20mm (3/4"), the DBD-19L is similarly treasured. Optional foot control, stand and bender covers are available for all three models.











SPECIFICATIONS

Model	DBD-25H	DBD-25X	DBD-25L	DBD-19L	DBD-16L	
Max.rebar diameter		25mm (1")		20mm (3/4")	16mm (5/8")	
Bending speed	9 sec.	6 sec /180°	7 sec /180°	5 sec /180°	1.5 sec /180°	
	620N/mm ²	560N/mm ²	490N/mm ²			
Bending angle	Up to 180°					
Power supply		Single phase mains electricity / Generator				
Voltage		100V/115V/230V				
Power Input	1500W	1330W	1700W	1050W		
Weight	97 kg	86 kg	61 kg	40.8 kg	20 kg	
Dimensions (mm)	540×580×440	490×550×440	462×320×415	320×425×415	320×350×245	

Optional attachments: stand, footswitch

DBD-16L





This small unit may be carried in one hand but has all the attributes of its bigger brethren and can make a 180° bend in a $16\text{mm}(^{5}/8^{\shortparallel})$ rebar in just 1.5 seconds.



HANDY BENDER









A hand-held bender for use where table-type units cannot go. An optional bending die and shoe cover are available for larger radius bends.





SPECIFICATIONS

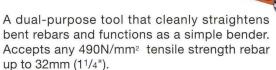
Model	HB-16W	DBR-32WH		
Max.rebar diameter	16mm (5/8")	32mm (1 1/4")		
Bending speed	9 sec /135°	4 sec /90°		
Max.tensile strength	4901	490N/mm²		
Bending angle	Up to 135°	Up to 140°		
Power supply	Single phase mains electricity / Gene			
Voltage	100V/115V/230V			
Power Input	1050W			
Weight	15 kg	26 kg		
Dimensions (mm)	585×195×205	660×270×200		

REBAR STRAIGHTENER









Rebar diameter	Straighteni	ng capacity	Bending capacity	
nebar diameter	Push	Pull	Push	Pull
13mm (1/2")	up to 125°	up to 121°	up to 94°	up to 92°
16mm (5/8")	128°	124°	90°	90°
20mm (3/4")	130°	126°	90°	90°
25mm (1")	132°	124°	90°	90°
29mm (1 1/8")	140°	135°	90°	90°
32mm (1 1/4")	144°	138°	90°	90°





Optional bending hook



Push

9

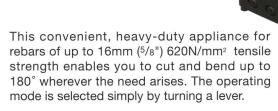
REBAR BENDER/CUTTERS



Bending 90°



Bending 180°



SPECIFICATIONS

Model	DBC-16H	DBC-25X	
Max.rebar diameter	16mm (5/8")	25mm (1")	
Bending speed	5.5 sec	6 sec	
Max.tensile strength	620N/mm ²	560N/mm ²	
Bending angle	Up to 180°		
Cutting speed	2.5 sec	5 sec.	
Power supply	Single phase mains electricity / Genera		
Voltage	100V/11	5V/230V	
Power Input	1050W	B.1330W C.1330W	
Weight	17 kg	129 kg	
Dimensions (mm)	645×165×230	700×680×440	









A great package that combines bender and cutter in one compact unit. For rebars up to 25mm, 560N/mm² tensile strength.



DBC-16H

Cutting

AUTOMATIC CUTTING LINES & BENDERS

LS-120BA, LS-180BA, LS-200BA

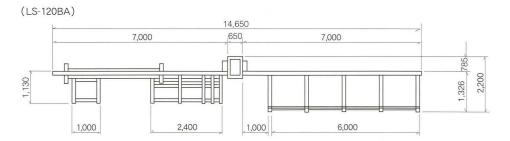


Our semi-automatic cutting lines speed up production and eliminate physical effort. Combined with the 5LH-52 Cutter, they load, cut and stack rebars. The controls are clear and simple and an easy-to-read digital indicator ensures the length is always precisely set.

Cutting lines are of modular design. Shorter or longer systems as well as lines without the cutter can, of course, be supplied upon request.



5LH-52



Model		LS-120BA	LS-180BA	LS-200BA
Width of convey	or		120mm	
Cutter		5L-52	5LH-52	5S-52
Max. rebar diame	eter		38mm	
Max. tensile stre	ngth		550N/mm²	
Rebar capacity	25mm	3 bars	3 bars	6 bars
	32mm	1 bar	2 bars	3 bars
	38mm	1 bar	1 bar	2 bars



The DAB series of fully automatic, multi-head benders are the ultimate in production efficiency. Operation cannot be easier: choose one of the pre-set hoop/stirrup patterns, set the side lengths and press the footswitch. Features include a motor-driven stock loader and a pneumatic clamp to secure the rebars during the bending process. The series includes two, three and five head models for 16mm and 25mm rebars. A 5-head and a 3-head model are shown here.



SPECIFICATIONS

Model		DAB-16-5NC
Max. rebar diameter		16mm(5/8")
Max. tensile strength		450N/mm²
Rebar capacity	10mm	7 bars
	13mm	5 bars
	16mm	2 bars
Power supply		Three phase mains electricity / Generator
Power Input		6.5 kw
Weight		3200 kg
Dimensions (mm)		7410×1900×1300

Typical patterns & sizes (10mm rebar)

-1.	Min.	Max.	(mm)
PTN 1	250 260	1200 2000	
PTN 2	250 450	1000 4500	
PTN 3	250 260	1200 2000	
PTN 4	450 510	3200	
PTN 5	950	6500	
PTN 6	250	2750 2750	
PTN 7	250 260	1200 2700	

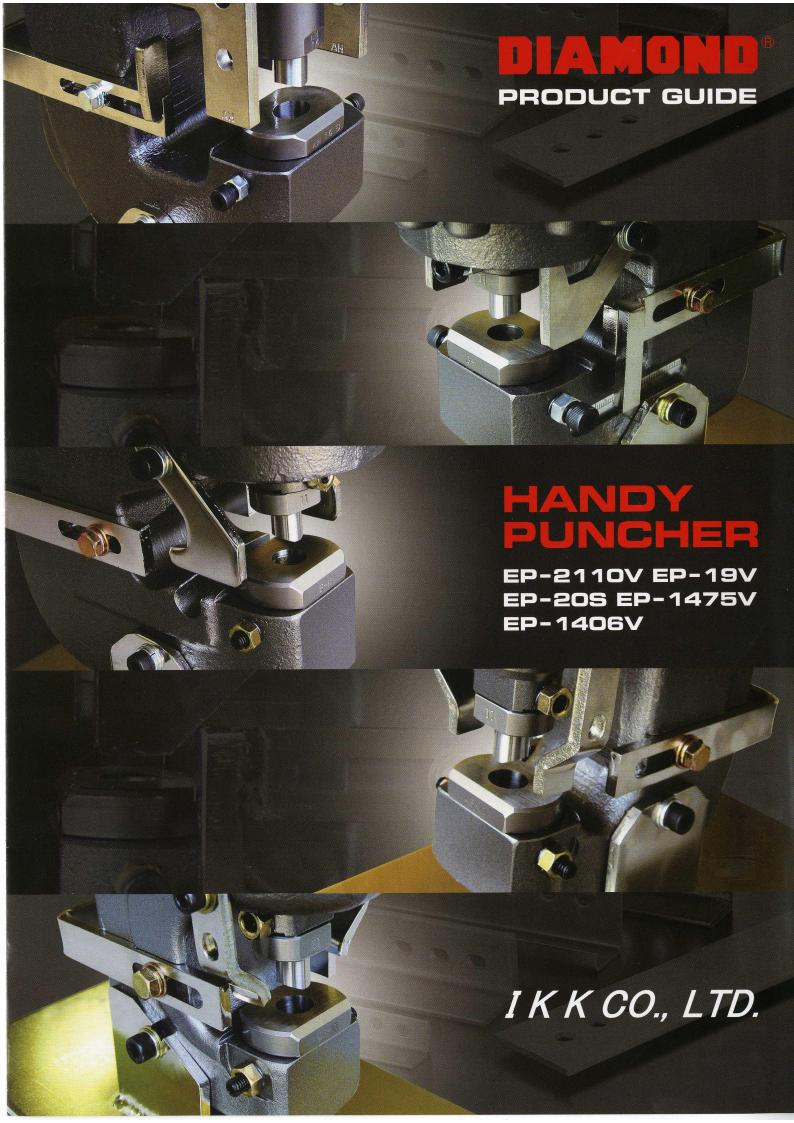


DAB-25-3 (3-head)

SELUITION	IUNO		
Model		DAB-25-3	
Max. rebar diam	eter	25mm(1")	
Max. tensile stre	ength	450N/mm²	
Rebar capacity	10mm	9 bars	
	13mm	7 bars	
	16mm	5 bars	
	20mm	2 bars	
	22mm	1 bar	
	25mm	1 bar	
Power supply		Three phase mains electricity / Generator	
Power Input		7.2 kw	
Weight		3300 kg	
Dimensions (mm)		9400×1920×1200	

Typical patterns & sizes (10mm rebar)

	Min.	Max. (mm)
PTN 1	110 400 110	500 3000 3000
PTN 2	110 400	3000
PTN 3	400	3500
PTN 4	600	7500
PTN 5	400	3500
PTN 6	110 400	110
PTN 7	400 600 400	1000 1000



DIAMOND ELECTRO-HYC

EP-2110V EP-19V EP-20S EP-1475V EP-

EP-2110V HANDY PUNCHER

The biggest and toughest model. Easy to handle, Mainly for H beam.

- Punches through steel up to 10 mm thick (Stainless steel up to 6 mm).
- Max. round hole diameter is 22 mm and 18.2 × 22 mm for elliptical holes.
- Varies types of holes available on H beam.



EP-19V HANDY PUNCHER

Our best seller EP-19V deals with max 20 mm round holes.

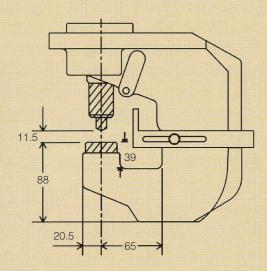
- Punches through steel up to 6 mm thick (Stainless steel up to 5 mm).
- Max. round hole diameter is 20 mm and 14 × 21 mm for elliptical holes.
- The unit interchanges Punch / Dies with the model EP-20S (with the exception).



RAULIC PUNCHER

1406V



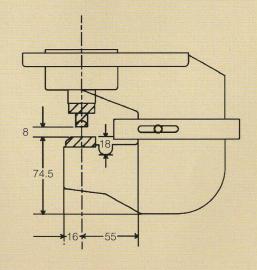


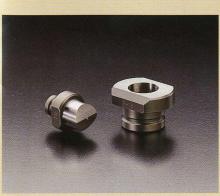


Max. hole size	round 22 mm Ø elliptical 18.2 × 22 mm
Max. material thickness	Fe. Al. 10 mm stainless 6 mm
Throat depth	65.0 mm
Power supply	AC 100V / 115V / 230V
Dimensions *	138 × 217 × 554 mm
Weight *	21.2 kg

* excluding side handle & stand







Max. hole size	round 20 mm Ø elliptical 14 × 21 mm
Max. material thickness	Fe. Al. 6 mm stainless 5 mm
Throat depth	55.0 mm
Power supply	AC 100V / 115V / 230V
Dimensions *	133 × 195 × 484 mm
Weight *	14.5 kg

* excluding side handle & stand

Fast punching actions holes in a fraction of the

EP-20S

HANDY PUNCHER

With its high performance motor, EP-20S works on 6 mm thick stainless bars.

- Punches through steel up to 8 mm thick (Stainless steel up to 6 mm).
- Max.round hole diameter is 21 mm and 14 × 21 mm for elliptical holes.
- A throat scale is built in the unit.
- The unit interchanges Punch / Dies with the model EP-19V (with the exception).



EP-1475V

HANDY PUNCHER

The light puncher, handles lip channel bars.

- Bigger throat enable the unit to operate on the back of lip channel bars.
 Punches through steel up to 6 mm thick (Stainless
- steel up to 5 mm).
- Max.round hole diameter is 15 mm and 11 x 16.5 mm for elliptical holes.
- The unit interchanges Punch / Dies with the model EP-1406V (with the exception).



EP-1406V

HANDY PUNCHER

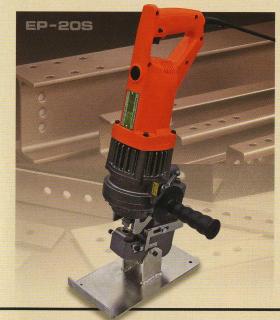
The handy type puncher weighs only 7.9 kg. Easy to carry.

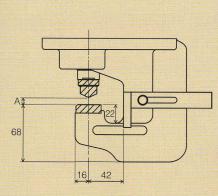
- Punches through steel up to 6 mm thick (Stainless steel up to 5 mm).
- Max.round hole diameter is 15 mm and 11 x 16.5 mm for elliptical holes.
- The unit interchanges Punch / Dies with the model EP-1475V (with the exception).



produce burr-free, round and elliptical time required by conventional methods.

DIAMOND®

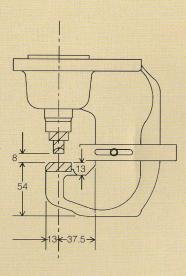




Max. hold size	round 21 mm Ø elliptical 14 × 21 mm
Max. material thickness	Fe. Al. 8 mm stainless 6 mm
Throat depth	40.0 mm
Power supply	AC 100V / 115V / 230V
Dimensions *	140 × 195 × 485 mm
Weight *	15.0 kg

* excluding side handle & stand

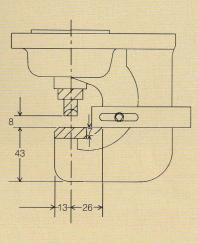






* excluding side handle & stand

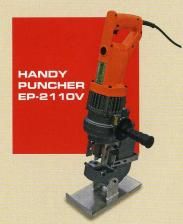






Max. hole size	round 15 mm Ø elliptical 11 × 16.5 mm
Max. material thickness	Fe. Al. 6 mm stainless 5 mm
Throat depth	26.0 mm
Power supply	AC 100V / 115V / 230V
Dimensions *	124 × 175 × 381 mm
Weight *	8.0 kg

* excluding side handle & stand



EP-2110V

ROUND HOLES	Diameter	10	11	12	13	14	15	16	17	18	18.5	19	20	21	22
Max. thickness	Fe, Al	6	9	9	9	10	10	10	10	10	10	10	10	10	10
Max. thickness	Stainless	5	6	6	6	6	6	6	6	6	6	6	6	6	6

• Above list shows the standard sizes. Punch / Die sets of other sizes are available on request.

ELLPTICAL HOLES	Size	9×13.5	9×16	9×18	10×15	10×18	10×20	11×16.5	12×18	13×19	14×19.5	16.5×20	14×21	18.2×22
Max. thickness	Fe, Al	6	6	6	9	9	9	9	9	9	10	10	10	10

- Punch / Die sets for elliptical holes on stainless are also available on request.
 Please consult with your dealer before ordering.

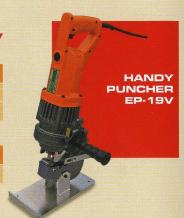
EP-19V

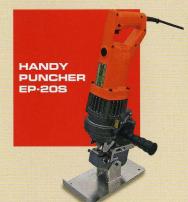
F	OUND HOLES	Diameter	6.5	8	8.5	10	11	12	13	14	15	16	17	18	18.5	19	20
	Max. thickness	Fe, Al	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Max. thickness	Stainless	3	4	5	5	5	5	5	5	5	4	4	4	4	4	4

• Above list shows the standard sizes. Punch / Die sets of other sizes are available on request.

ELLPTICAL HOLES	Size	6.5×10	6.5×13	8.5×13	8.5×17	9×13.5	9×16	9×18	10×15	10×18	10×20	11×16.5	12×18	13×19	14×19.5	16.5×20	14×21
Max. thickness	Fe, Al	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

- Punch / Die sets for elliptical holes on stainless are also available on request.
 Please consult with your dealer before ordering.





EP-20S

ROUND HOLES	Diameter	6.5	8	8.5	10	11	12	13	14	15	16	17	18	18.5	19	20
Max. thickness	Fe, Al	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Max. thickness	Stainless	3	4	5	5	6	6	6	6	6	6	6	6	6	6	6

Above list shows the standard sizes. Punch / Die sets of other sizes are available on request.

ELLPTICAL HOLES	Size	6.5×10	6.5×13	8.5×13	8.5×17	9×13.5	9×16	9×18	10×15	10×18	10×20	11×16.5	12×18	13×19	14×19.5	16.5×20	14×21	
Max. thickness	Fe, Al	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8	

- Punch / Die sets for elliptical holes on stainless are also available on request.
 Please consult with your dealer before ordering.

EP-1475V

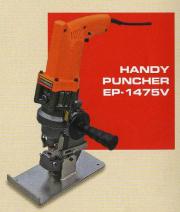
ROUND HOLES	Diameter	6.5	8	8.5	10	11	12	13	14	15
Max. thickness	Fe, Al	6	6	6	6	6	6	6	6	6
Max. thickness	Stainless	3	4	5	5	5	5	5	5	4

• Above list shows the standard sizes. Punch / Die sets of other sizes are available on request.

ELLPTICA	AL HOLES	Size	4.5×9	5.5×11	6.5×10	6.5×13	8.5×13	8.5×17	9×13.5	9×16	9×18	10×15	10×18	10×20	11×16.5
Max. t	thickness	Fe, Al	4.5	6	6	6	6	6	6	6	6	6	6	6	6

- Punch / Die sets for elliptical holes on stainless are also available on request.
 Please consult with your dealer before ordering.

HANDY PUNCHER EP-1406V



EP-1406V

ROUND HOLES	Diameter	6.5	8	8.5	10	11	12	13	14	1!
Max. thickness	Fe, Al	6	6	6	6	6	6	6	6	6
Max. thickness	Stainless	3	4	5	5	5	5	5	5	4

ELLPTICAL HOLES	Size	4.5×9	5.5×11	6.5×10	6.5×13	8.5×13	8.5×17	9×13.5	9×16	9×18	10×15	10×18	10×20	11×16.5
Max. thickness	Fe, Al	4.5	6	6	6	6	6	6	6	6	6	6	6	6

- Punch / Die sets for elliptical holes on stainless are also available on request.
- Please consult with your dealer before ordering.

		EP-1	406V	EP-1	475V	EP.	-19V	EP.	20S	EP-2	110V
Flat bar	B×t		-00 V			Li iov		L1 200		LI ZIIOV	
Tidt bai	25×6	0		0		0		0		0	
	50×6			Ö		Ö		Ö		0	
t \$ 60°	65×6	_		Ö		0		0		Ŏ	
t b oo	75×6	entoles <u>.</u>		Ö		0				Ö	
	100×6	_		_		Ö				0	
	125×6	-		_							
	125×9	_	_	_						0	
Angle bar	A×B										
F 0	25×25	0		0		-	_			— — — — — — — — — — — — — — — — — — —	
1000	30×30					_					
	40×40	0		Ö		(<u> </u>	0		_	
	50×50	Ŏ		Ö		Ŏ		Ŏ			
В	65×65			O		Ö		Ö		Ö	
	75×75			0		0		Ö		0	
	90×90	_				0		Ö		0	
Channel bar	100×100							_		0	
Channel bar	130×130	_		_				<u> </u>		0	
н	H×B	Н	В	Н	В	Н	В	Н	В	Н	В
	75×40		0	0	0		0		0	0	-
	100×50				-		0		0	0	0
	125×65	_	_	_	_	_	_	_	-	0	0
	150×75	_	_	_			_				0
	H×B	Н	В	H	В	Н	В	Н	В	Н	В
Lip channel bar	60×30			0		0		0		0	
ВО	75×45	74-4		0			0		0	0	
н	90×45						0			0	0
	100×50	-	-	_	_		0		0	0	
	120×60									0	0
	150×75	-	-		-		=		-		0
	H×B							Н	В	Н	В
H beam	100×50							_	_	_	
	100×100							_	0	_	0
	125×125					and the second file		_	_	0	0
B 000	150×75	-		-			_			0	
H B	150×150	-		-						0	0
ï	175×90					— — — — — — — — — — — — — — — — — — —		-	===	0	
	200×100			- 11 - 11 -					-	0	0
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	300×150	-				-				0	0
	346×174			_						0	. 0



Foot Switch (option) for EP-1406V, EP-1475V EP-19V



Foot Switch (option) for EP-2110V, EP-20S



Steel carrying case (standard)

DIAMOND

CONSTRUCTION EQUIPMENT ELECTRICAL TOOLS

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