



CONNECT AND PROTECT

Hydraulic & Manual Tools

Flexible Busbar and Copper Busbar Manipulation and Transformation Solutions

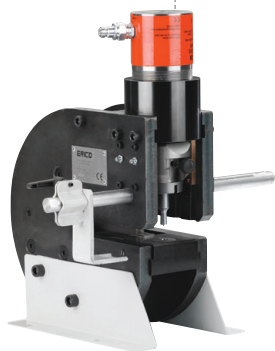

nVent

ERIFLEX

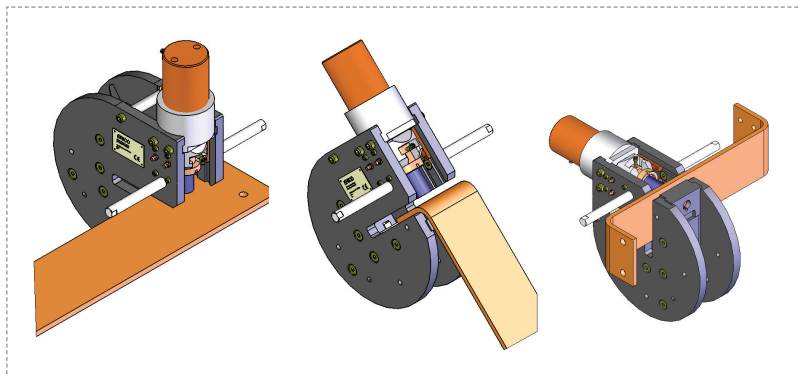
Hydraulic Busbar & nVent ERIFLEX Flexibar Work Center



Hydraulic Busbar Cutter



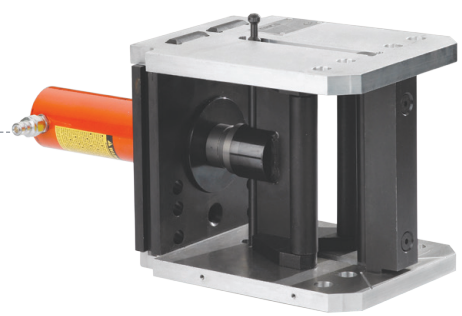
Hydraulic Busbar & Flexibar Puncher



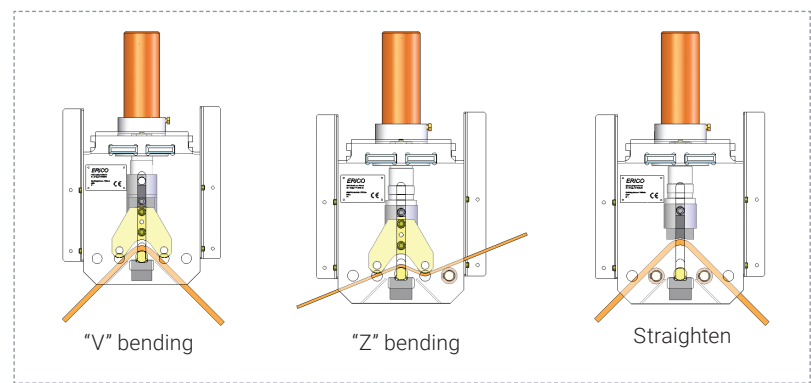
4-Ways Directional Valve



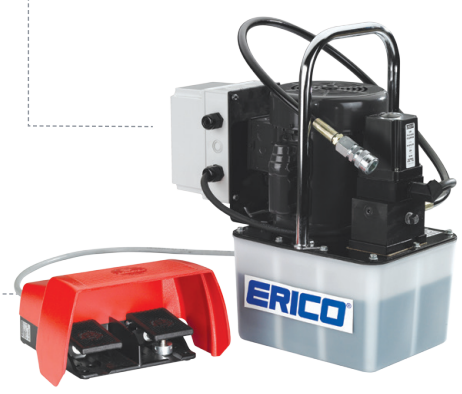
Programmable Angle Controller



Hydraulic Busbar Bender



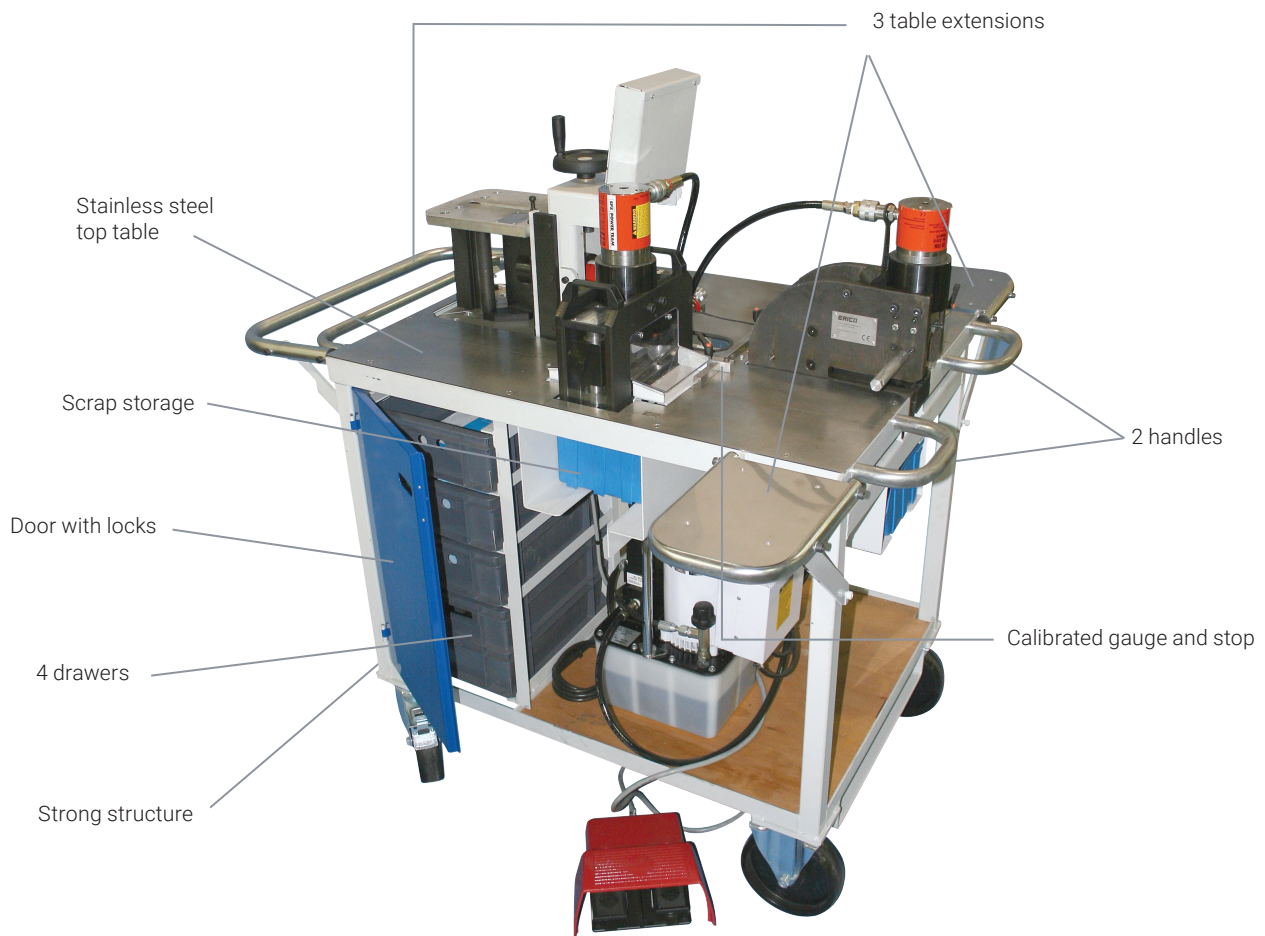
Hydraulic Pump & Foot Controller



Flexibar Shearing Tool*

*Not including in the European Workcenter

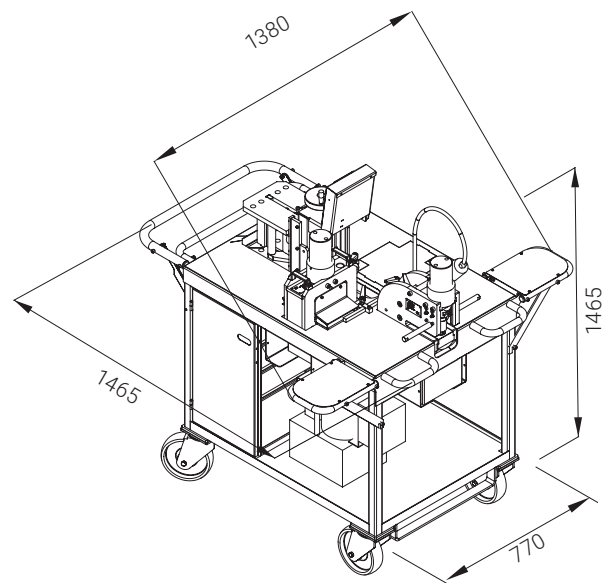
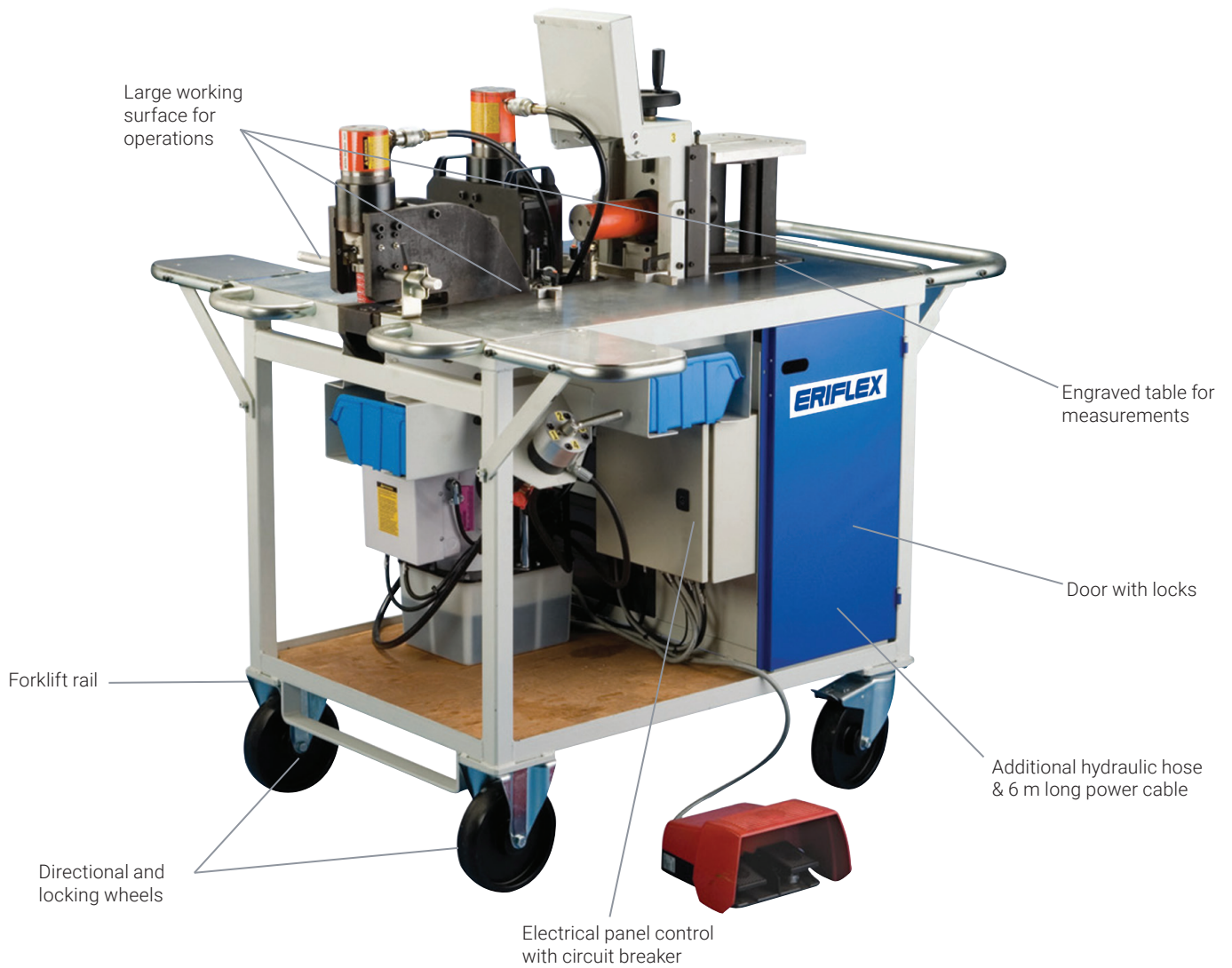
Hydraulic Busbar & Flexibar Work Center





HYDRAULIC BUSBAR & FLEXIBAR WORK CENTER

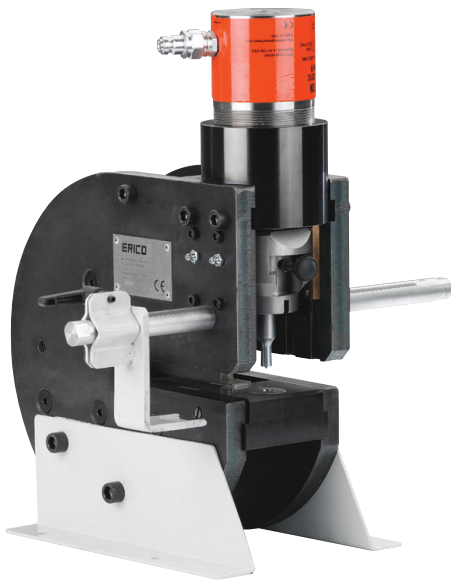
- Mobile workbench including machines for Cutting, Bending and Punching Copper Busbars or Flexibar
- This set is composed of:
 - Hydraulic Punch for Solid Bar & Flexibar (Punches and dies not included)
 - Hydraulic Busbar & Flexibar Bender 200 x 12,7 mm (8" x 1/2") with lift to adjust the machine level
 - Hydraulic Busbar Cutter 125 x 12,7 mm (5" x 1/2")
 - Hydraulic Pump 700 Bars & Foot Controller
 - Machine selector: 4-way directional valve to select the required machine
 - 2 Ejection Stop (without punch & die set)
 - Programmable Angle Controller
 - Protected by Circuit Breaker
 - 4 Drawers to put away accessories
 - Power cable 6 m long
- One hydraulic hose, free to connect additional tools (Flexibar Shearing tool or other)

EVERY TOOL CAN BE PURCHASED SEPARATELY - SEE PAGE 8-13



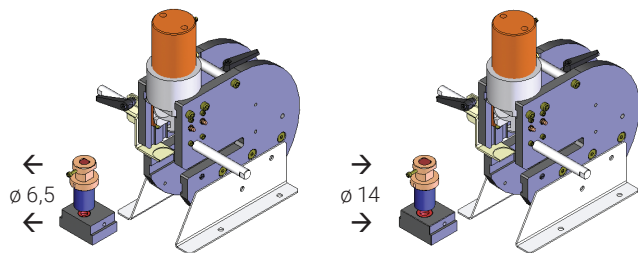
Article N°	Description		
545650	Hydraulic Busbar & Flexibar Work Center - 230V (Flexibar Shearing Tool not included)	1	356 kg
545720	Hydraulic Busbar & Flexibar Work Center - 115V (Flexibar Shearing Tool included)	1	857 lbs

Hydraulic Busbar & Flexibar Puncher

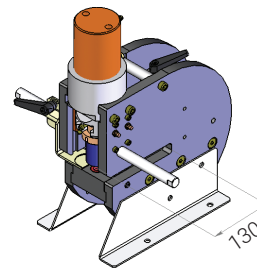


- Copper or Aluminium Busbar & Flexibar
- Maximum Capacity
 - Throat depth: 130 mm (5")
 - Maximum thickness of bar: 12,7 mm (1/2")
- Maximum working hydraulic pressure: 700 bars (10,000 PSI)
- Strong mechanical construction
- Quick set up punches & dies system
- Flat and clean hole edge
- Punch pip to adjust the hole position
- Calibrated side and depth gauge and stop
- Large range of punches and dies available from 6,5 to 20 mm (5/16 - 8/16") + oval
- Working position: Horizontal, 45°, 90° (when installed on the Work Center)

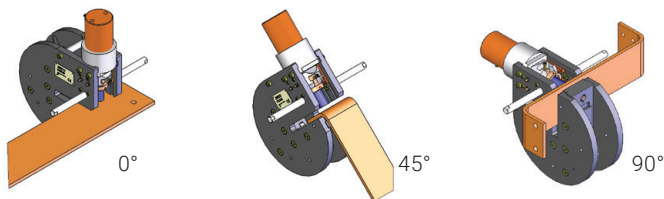
1. QUICK SET-UP – NO TOOL REQUIRED



2. MAXIMUM CAPACITY THROAT DEPTH: 130 MM



3. THREE POSITIONS



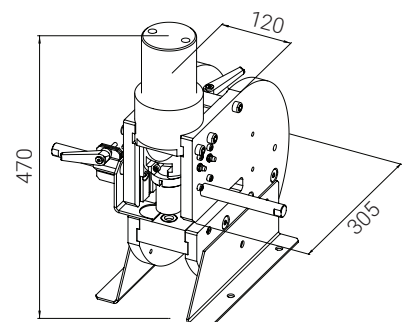
90° available on work center only. If Puncher is purchased separately, only two positions available: 0° and 45°

4. ROUND & OVAL HOLES

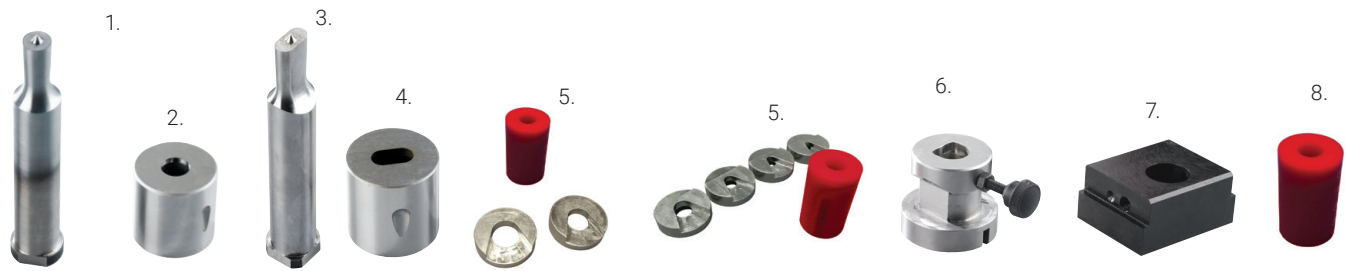


PUNCHING MACHINE

Article No	Description		
545680	Puncher	1	54.00 kg



Hydraulic Busbar & Flexibar Puncher Accessories



TROUS ROUNDS - MÉTRIQUES

Article N°	Punch (fig. 1)			Article N°	Die (fig. 2)			Article N°	Ejection Stop (fig. 5)		
545800	6,5 mm	1	0.13 kg	545801	6,5 mm	1	0.19 kg	545893	6,5-9-11-14	1	0.550 kg
545805	9 mm	1	0.14 kg	545806	9 mm	1	0.18 kg	545893	6,5-9-11-14	1	0.550 kg
545810	11 mm	1	0.14 kg	545811	11 mm	1	0.17 kg	545893	6,5-9-11-14	1	0.550 kg
545815	14 mm	1	0.16 kg	545816	14 mm	1	0.16 kg	545893	6,5-9-11-14	1	0.550 kg
545820	18 mm	1	0.24 kg	545821	18 mm	1	0.13 kg	545894	18-20	1	0.280 kg
545825	20 mm	1	0.25 kg	545826	20 mm	1	0.11 kg	545894	18-20	1	0.280 kg

METRIC OVAL HOLES (PUNCHES AND DIES FOR IMPERIAL OVAL HOLES AND SLOTS AVAILABLE ON REQUEST)

Article N°	Punch (fig. 3)			Article N°	Die (fig. 4)			Article N°	Ejection Stop (fig. 5)		
545850	6,5x13 mm	1	0.14 kg	545851	6,5x13 mm	1	0.15 kg	545893	6,5-9-11-14	1	0.550 kg
545855	9x18 mm	1	0.22 kg	545856	9x18 mm	1	0.12 kg	545894	18-20	1	0.280 kg
545860	11x20 mm	1	0.24 kg	545861	11x20 mm	1	0.1 kg	545894	18-20	1	0.280 kg
545865	14x20 mm	1	0.24 kg	545866	14x20 mm	1	0.1 kg	545894	18-20	1	0.280 kg

IMPERIAL SIZES ROUND HOLES

Article N°	Punch (fig. 1)			Article N°	Die (fig. 2)			Article N°	Ejection Stop (fig. 5)		
545950	5/16" Punch - 1/4" Bolt	1	0.13 kg	545951	5/16" Die - 1/4" Bolt	1	0.19 kg	545893	6,5-9-11-14	1	0.550 kg
545955	3/8" Punch - 5/16" Bolt	1	0.14 kg	545956	3/8" Die - 5/16" Bolt	1	0.18 kg	545893	6,5-9-11-14	1	0.550 kg
545960	17/32" Punch - 7/16" Bolt	1	0.16 kg	545961	17/32" Die - 7/16" Bolt	1	0.16 kg	545893	6,5-9-11-14	1	0.550 kg
545965	9/16" Punch - 1/2" Bolt	1	0.16 kg	545966	9/16" Die - 1/2" Bolt	1	0.16 kg	545893	6,5-9-11-14	1	0.550 kg

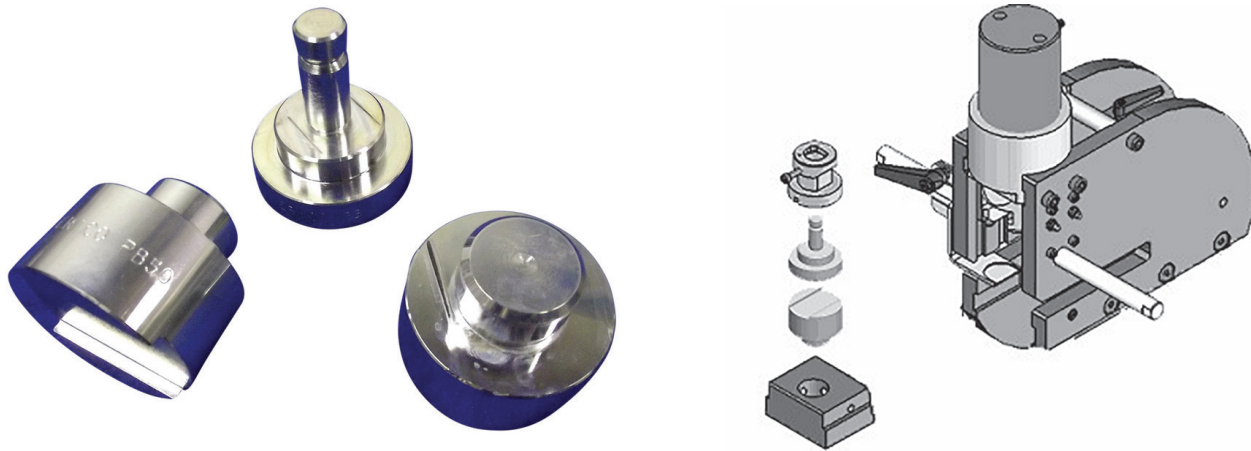
REPLACEMENT EJECTION STOP

Article N°	Description (fig. 8)		
545895	Ejection stop 6.5-9-11-14	1	0.66 kg
545896	Ejection stop 18-20	1	0.058 kg

SPARE PARTS

Article No	Description		
545900	Punch Holder 6,5-9-11-14 (fig. 6)	1	0.55 kg
545905	Punch Holder 18-20 (fig. 6)	1	0.48 kg
545910	Die Holder (fig. 7)	1	1.60 kg

Crimping Tool for Hydraulic Puncher



This package allows to crimp lugs PB16, PB25, PB 50 on braids with hydraulic puncher, and allows to make your own grounding braid.

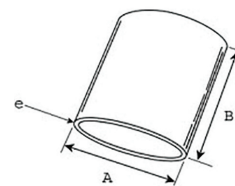
FEATURES

- Crimps PB lugs on braids using the Hydraulic Flexibar and Busbar Puncher
- Crimps braids and lugs flat and to a consistent thickness
- Kit includes one punch and two dies to accommodate all PB lug sizes
- Quick and easy setup without tools
- RoHS compliant

SPECIFICATIONS

Part Number	HTC3-4
Article Number	545980
Material	Steel
Unit Weight	1,85 kg
Certifications	EAC 8462399100 (Russian Federation) RoHS
Standard Packaging Quantity	1 pc
UPC	78285687540
EAN-13	3479775459806

BRAIDS AND LUGS TO USE



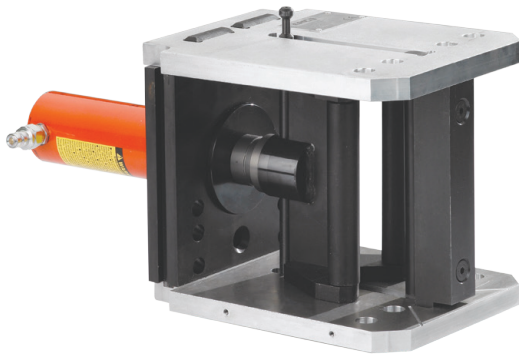
BRAIDS

Article N°	Description	Section mm ²	mm
557240	FTCB 15-16	16	15x1.5
557260	FTCB 15-25	25	23x1.5
557300	FTCB 15-50	50	28x3

LUGS

Article No	Description	A mm	B mm	C mm
557180	PB 16	16	15	1
557190	PB 25	22	25	1
557380	PB 50	30	30	1

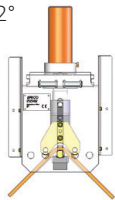
Hydraulic Busbar & Flexibar Bender



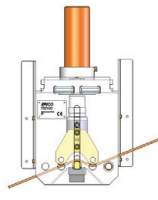
- Copper or Aluminium & Flexibar
- Maximum capacity copper cross section 2000 mm²
- Maximum bar width: 200 mm (8")
- Maximum bar thickness: 12,7 mm (1/2")
- Bending radius: 12,5 mm / 1/2"
- Adjustable angle up to 100°
- Bending accessories for copper or aluminium busbar & Flexibar
- +/-2° angle precision

1. ONE MACHINE / THREE FUNCTIONS: QUICK SET-UP

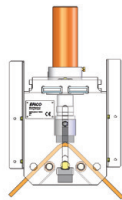
+/- 2°



"V" bending



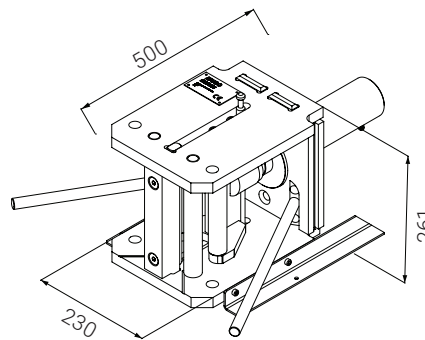
"Z" bending



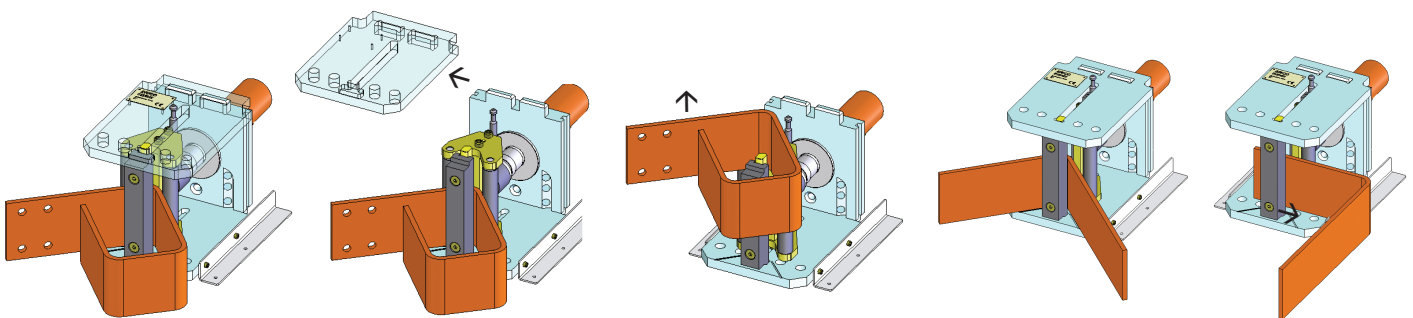
Straighten

2. LARGE CAPACITY: 2000 MM² / 200 X 10 MM (8" X 3/8")

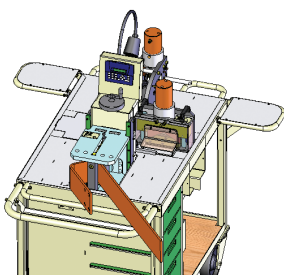
Article N°	Description		
545670	Busbar bender	1	51 kg



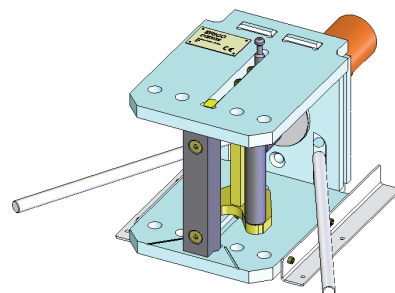
3. EASY ACCESS ALLOWING NUMEROUS BENDING POSSIBILITIES



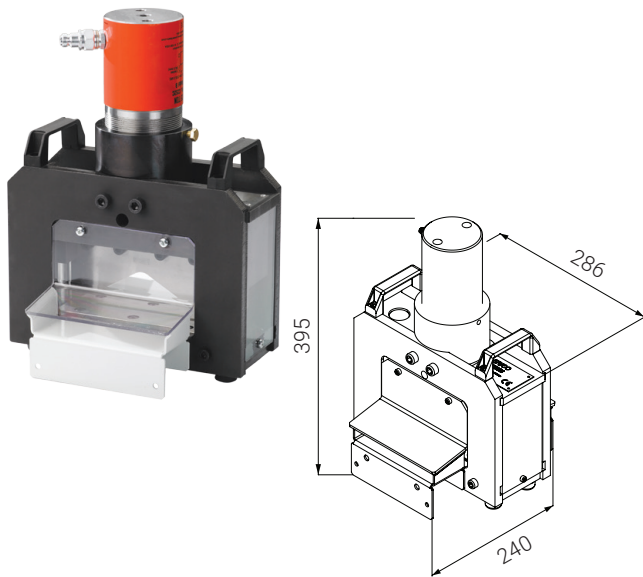
4. LARGE WORKING SURFACE FOR BENDING OPERATION



5. BAR SUPPORT (OUT OF THE WORK CENTER)



Hydraulic Busbar Cutter



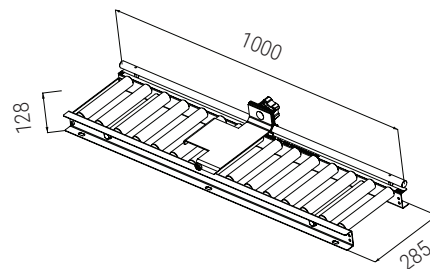
- Copper or Aluminium Busbar
- Maximum Capacity
- Maximum bar width: 125 mm (5")
- Maximum bar thickness: 12,7 mm (1/2")
- Blade 7 mm thick
- Strong mechanical construction: Guiding system 2 columns
- Flat and clean cut edge
- Visual inspection of cutting position
- Transparent finger protection
- Easy access for blade maintenance

Article N°	Description		
545690	Hydraulic Busbar Cutter	1	41 kg
545695	Hydraulic Busbar Cutter Blade	1	1 kg

Tool Ruler



- In combination with hydraulic busbar cutter (545690) to support the solid bar
- Calibrated end stop (1 m)



Article N°	Description		
558990	Tool ruler HFST-R	1	10 kg

Hydraulic Pump & Foot Controller





HYDRAULIC PUMP

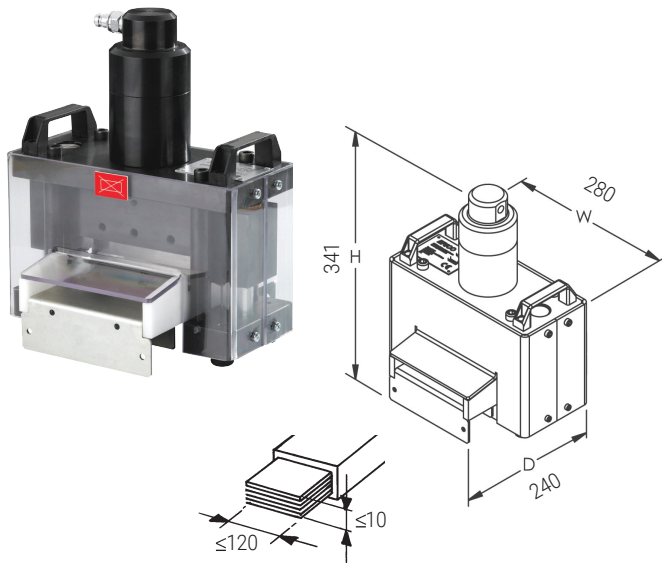
- One hose attached with quick release coupler
- Oil type (545706)
- Tank capacity from 1.9 up to 3.8 liter
- Oil flow 0,2 L per minute
- 700Bars/370Watts

FOOT CONTROLLER

- 2 Pedals control
- 3 positions foot controller operation: off, on, safety off



Article N°	Description		
545700	Electro Hydraulic Pump 230 V + Foot Controller	1	40 kg
545701	Electro Hydraulic Pump 115 V + Foot Controller	1	40 kg
545706	Hydraulic oil 0,946 liter	1	1 kg

Hydraulic Flexibar Shearing Tool

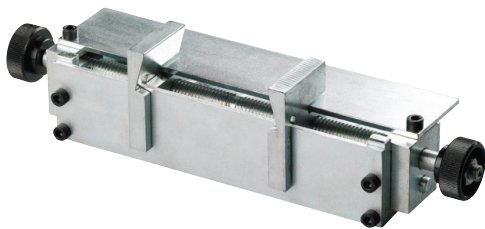


- Copper or Aluminium
- Strong mechanical construction
- Cuts quickly and accurately without burrs or deformation
- Visual inspection of cutting position
- Maximum Capacity Copper cross section 1200 mm²
- Width of bar: 120 mm (4-3/4")
- Thickness of bar: 12 mm (1/2")
- Flexibar 10 x 120 x 1 maximummaximum

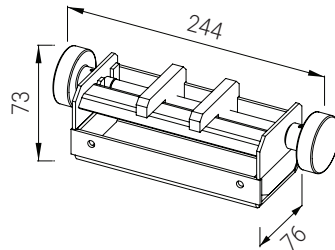
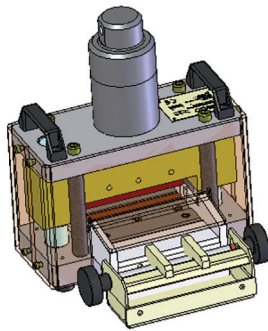
WARNING: Cutting solid bars will damage the tool

Article N°	Description		
559010	Hydraulic shearing tool HFST	1	34 kg
559040	Tool blades HFST-C	1	1 kg

Flexibar Shearing Tool Guide



- Adjust the Flexibar position in the tool quick set up - No tool required
- Increases blade life expectancy



Article N°	Description		
559020	Tool Guide HFST-B	1	1 kg