

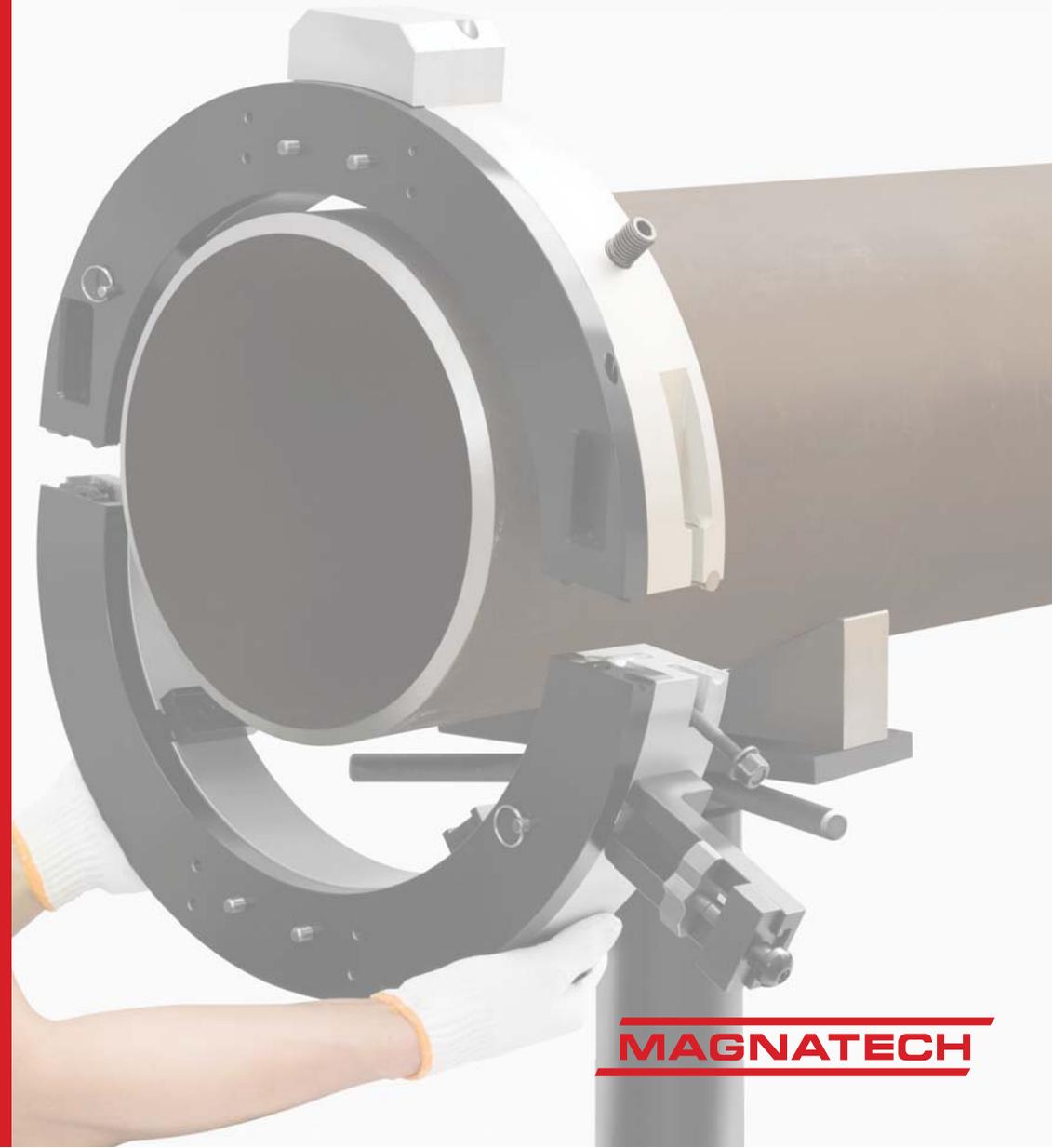
A close-up photograph of industrial machinery, likely a robotic welding system. A silver robotic arm is positioned over a dark, cylindrical metal component. The background shows other parts of the machine and a green wall. A white circular graphic is overlaid on the left side of the image.

WELD
PREP
SOLUTIONS

MAGNATECH

WELD PREP SOLUTIONS

PRODUCT RANGE



MAGNATECH



ALWAYS MOVING
FORWARD.



INDEX

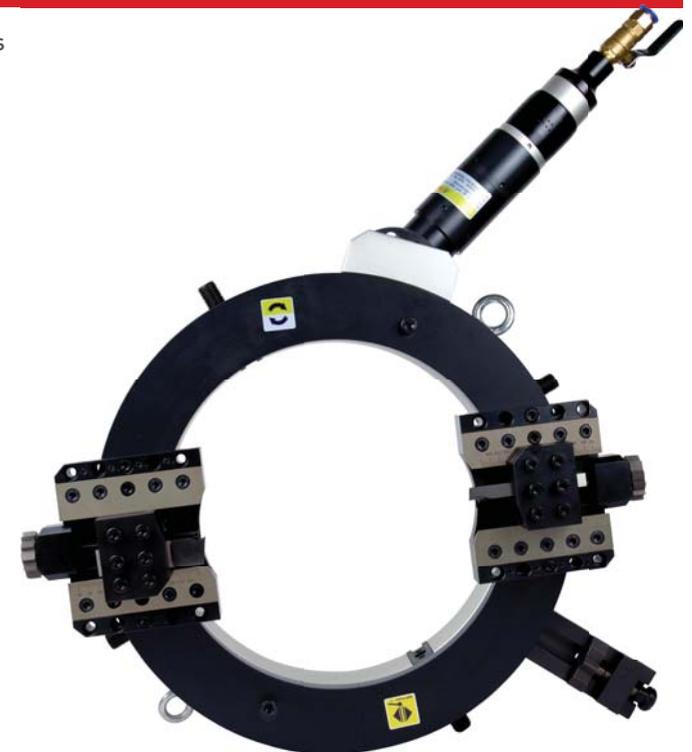
6 ENFORCER SERIES

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Magnatech Weld Prep Solutions offers the top of the line products in Tube and Pipe Beveling, Seaming, Facing and Counterboring. Our full line of products helps welders and technicians alike perform their job with the highest quality and productivity. With unique and highly engineered robust tools, you can count on Magnatech WPS to get the job done and done right.

YOUR ALL ROUND PARTNER,
ALL AROUND THE WORLD



MODELS**E1 E3 E6****E8 E14****WELD PREP SOLUTIONS FOR ID MOUNT
PIPE BEVELING TOOLS**

The Magnatech ES models are portable ID mount tools for machining pipe ends in preparation for welding. Five models bevel, face, and counterbore pipe and tube simultaneously from 20mm to 355.6 mm (3/4" - 14"). The lightweight, compact design comes with pneumatic and electric drive options. Cutting tool bits are M42 tool steel for precision cuts and long life. Rugged construction combined with simple operation provide an immediate step up in productivity.

**Features**

- Cutting Head can hold up to 3 tool bits simultaneously for OD beveling, Facing and Counterbore operation.
- Simultaneous Operation of these three functions guarantees precise beveling
- Premium M42 Tools



- Improved expanding mandrel design further stabilizes tool during beveling operations
- New design drastically reduces beveling failures caused by misalignment
- Quick change legs to accommodate pipe size ranges



- Redesigned main mandrel shaft improves bevel performance
- Built in anti-vibration technology
- Smoother cuts

ENFORCER SERIES

Drive Options



E1-P

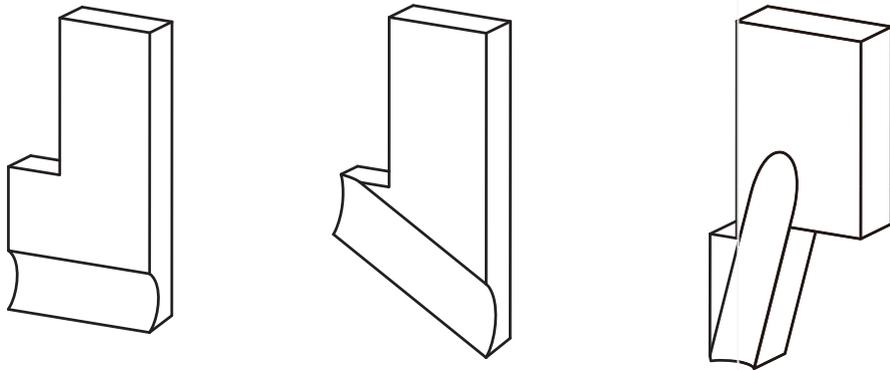


E1-E

E1-P Pneumatic Operation

E1-E Electric Operation

Tool Bits



V-PREP 30 or 37.5 deg. **J-PREP** multi-style available
FACING Pipe end squaring **COUNTERBORE** Internal bevel

MODEL E1

Specification

MODEL	E1-P	E1-E
DRIVE TYPE	Pneumatic	Electric
POWER SUPPLY	900L/Min@0.6MPA	110-240V 1PH 50/60Hz
MOTOR POWER	1 HP	850W
CLAMPING RANGE (ID)	16-25mm	16-25mm
WORKING RANGE (OD)	1in (33.4mm)	1in (33.4mm)
WALL THICKNESS	Up to 8mm	Up to 8mm
ROTATION SPEED	66 rpm	48 rpm
WORKING WEIGHT	7kg	8kg
SHIPPING WEIGHT	14kg	16kg
PACKAGE SIZE	540*410*170mm	540*410*170mm

INSIDE THE PACKAGE:

- Machine and Motor (pneumatic or electric)
- Full Set of adapters for full size range
- 3 piece tooling kit (1 facing bit, 1 30deg. beveling bit, 1 37.5deg beveling bit)



ENFORCER SERIES

Drive Options



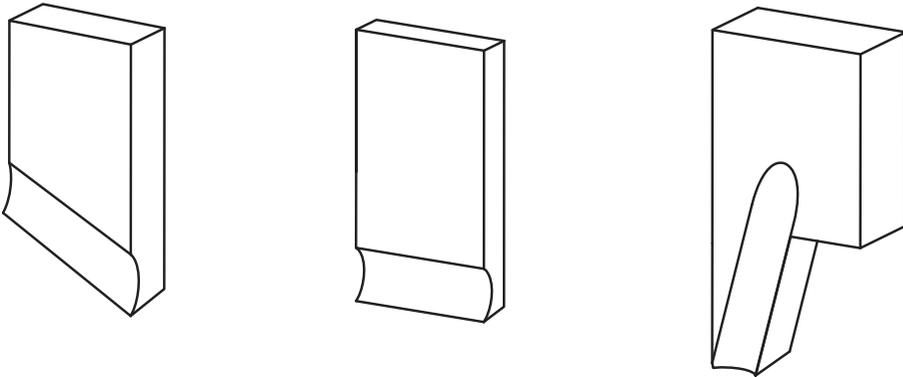
E3-P

E3-E

E3-P Pneumatic Operation

E3-E Electric Operation

Tool Bits



V-PREP 30 or 37.5 deg. **J-PREP** multi-style available
FACING Pipe end squaring **COUNTERBORE** Internal bevel

MODEL E3

Specification

MODEL	E3-P	E3-E
DRIVE TYPE	Pneumatic	Electric
POWER SUPPLY	900L/Min@0.6MPA	110-240V 1PH 50/60Hz
MOTOR POWER	1 HP	850W
CLAMPING RANGE (ID)	25-76mm	25-76mm
WORKING RANGE (OD)	3in (88.9mm)	3in (88.9mm)
WALL THICKNESS	Up to 15mm	Up to 15mm
ROTATION SPEED	66 rpm	48 rpm
WORKING WEIGHT	8.5kg	9kg
SHIPPING WEIGHT	15kg	16kg
PACKAGE SIZE	540*410*170mm	540*410*170mm

INSIDE THE PACKAGE:

- Machine and Motor (pneumatic or electric)
- Full Set of adapters for full size range
- 3 piece tooling kit (1 facing bit, 1 30deg. beveling bit, 1 37.5deg beveling bit)

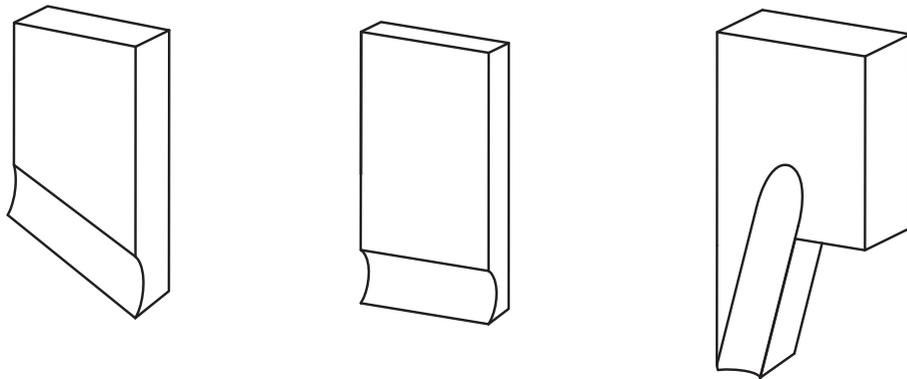


Drive Options



E6-P Pneumatic Operation
E6-E Electric Operation

Tool Bits



V-PREP 30 or 37.5 deg. J-PREP multi-style available
FACING Pipe end squaring COUNTERBORE Internal bevel

Specification

MODEL	E6-P	E6-E
DRIVE TYPE	Pneumatic	Electric
POWER SUPPLY	900L/Min@0.6MPA	110-240V 1PH 50/60Hz
MOTOR POWER	1 HP	1000W
CLAMPING RANGE (ID)	60-159mm	60-159mm
WORKING RANGE (OD)	6.625 (168.3mm)	6.625 (168.3mm)
WALL THICKNESS	Up to 20mm	Up to 20mm
ROTATION SPEED	61 rpm	38 rpm
WORKING WEIGHT	16kg	17kg
SHIPPING WEIGHT	29kg	31kg
PACKAGE SIZE	560*550*250mm	560*550*250mm

INSIDE THE PACKAGE:
 - Machine and Motor (pneumatic or electric)
 - Full Set of adapters for full size range
 - 3 piece tooling kit (1 facing bit, 1 30deg. beveling bit, 1 37.5deg beveling bit)



Drive Options



E8-P

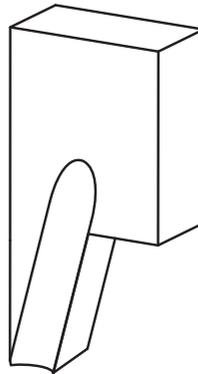
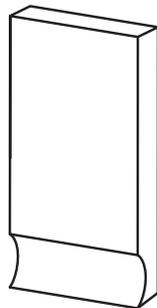
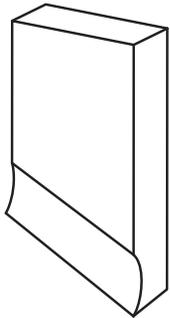


E8-E

E8-P Pneumatic Operation

E8-E Electric Operation

Tool Bits



V-PREP 30 or 37.5 deg. **J-PREP** multi-style available
FACING Pipe end squaring **COUNTERBORE** Internal bevel

Specification

MODEL	E8-P	E8-E
DRIVE TYPE	Pneumatic	Electric
POWER SUPPLY	1200L/Min@0.6MPa	220-240V 1PH 50/60Hz
MOTOR POWER	1.5 HP	1200W
CLAMPING RANGE (ID)	65-210mm	65-210mm
WORKING RANGE (OD)	8.625 (219.1mm)	8.625 (219.1mm)
WALL THICKNESS	Up to 20mm	Up to 20mm
ROTATION SPEED	50 rpm	24 rpm
WORKING WEIGHT	26kg	28kg
SHIPPING WEIGHT	41kg	44kg
PACKAGE SIZE	650*280*250mm	650*280*250mm

INSIDE THE PACKAGE:

- Machine and Motor (pneumatic or electric)
- Full Set of adapters for full size range
- 3 piece tooling kit (1 facing bit, 1 30deg. beveling bit, 1 37.5deg beveling bit)



Drive Options



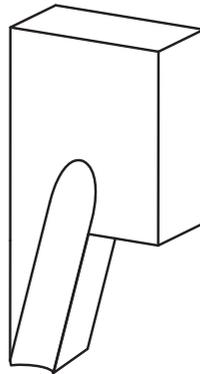
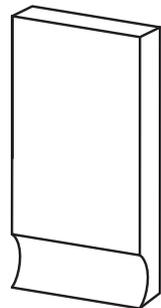
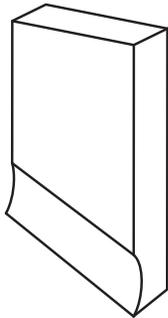
E14-P



E14-E

E14-P Pneumatic Operation
E14-E Electric Operation

Tool Bits



V-PREP 30 or 37.5 deg. **J-PREP** multi-style available
FACING Pipe end squaring **COUNTERBORE** Internal bevel

Specification

MODEL	E14-P	E14-E
DRIVE TYPE	Pneumatic	Electric
POWER SUPPLY	1200L/Min@0.6MPA	220-240V 1PH 50/60Hz
MOTOR POWER	1.5 HP	1500W
CLAMPING RANGE (ID)	145-340mm	145-340mm
WORKING RANGE (OD)	14.000 (355.6mm)	8.625 (355.6mm)
WALL THICKNESS	Up to 20mm	Up to 20mm
ROTATION SPEED	18 rpm	20 rpm
WORKING WEIGHT	46kg	48kg
SHIPPING WEIGHT	68kg	68kg
PACKAGE SIZE	800*430*410mm	830*430*410mm

INSIDE THE PACKAGE:

- Machine and Motor (pneumatic or electric)
- Full Set of adapters for full size range
- 3 piece tooling kit (1 facing bit, 1 30deg. beveling bit, 1 37.5deg beveling bit)

Style Options



3 CUTTING HEADS



2 CUTTING HEADS

E14-P-2 Pneumatic 2 Cutters **E14-E-2 Electric 2 Cutters**
E14-P-3 Pneumatic 3 Cutters **E14-E-3 Electric 3 Cutters**



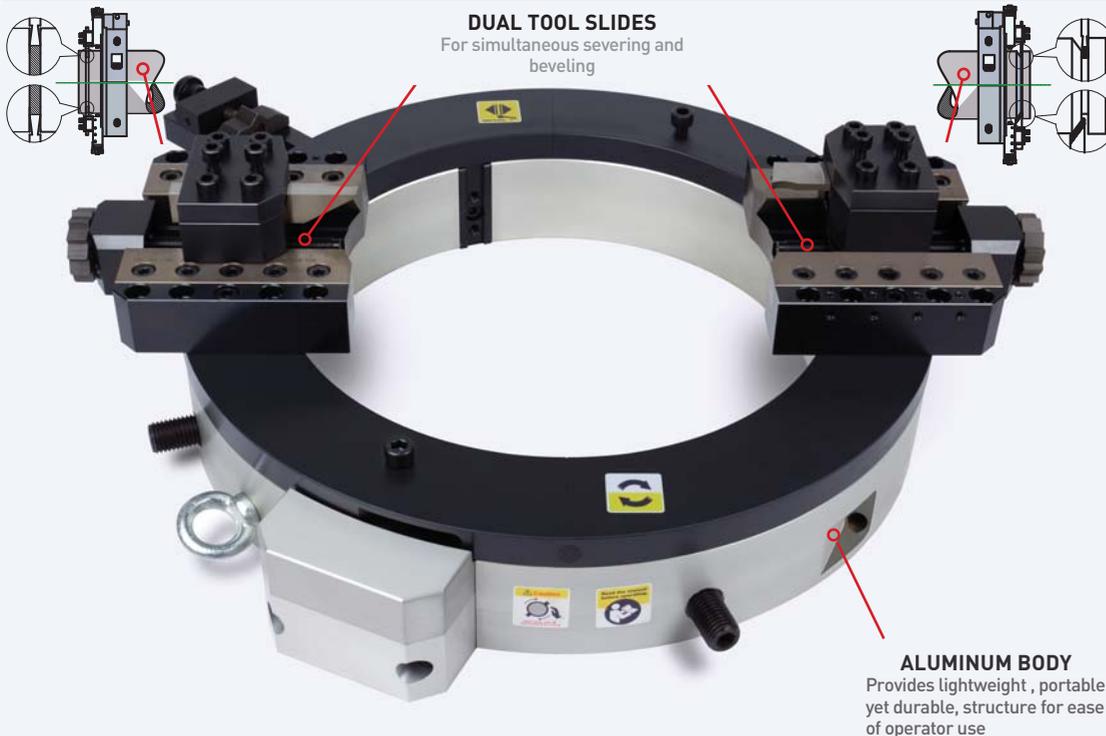
MODELS

C6, C10, C14, C18,
C22, C26, C30, C36,
C42, C48

WELD PREP SOLUTIONS FOR OD MOUNT PIPE SEVERING/BEVELING TOOLS

The Magnatech CS Models are portable OD mounting tools for severing and beveling pipe simultaneously in preparation for welding. Our standard range has ten models that cover the size range of DIN 50 (2" pipe) to DIN 1200 (48" pipe). The aluminum bodies of the CS Models are designed with a compact cross section for applications with restricted clearances.

The 180 degree segments of the split frames bolt together, and rigidly clamp on the pipe with interchangeable mounting blocks. Ideal for maintenance, where a section of pipe or a valve needs to be cut out and replaced.



Features

SPLIT FRAME

- Allows for quick mounting and dismantling on in-line pipe

COLD SEVERING AND BEVELING

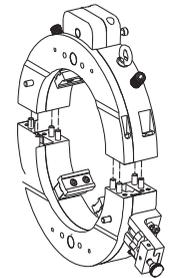
- Severing and beveling with a torch not only requires additional grinding, but may cause an undesirable heat affected zone
- Reduces safety issues associated with traditional severing/beveling methods

LOW AXIAL/RADIAL CLEARANCE

- Provides easier access between pipes
- Allows for severing and beveling of short pipe sections

AUTOMATIC TOOL FEED

- Simplifies operator use, while maintaining precise bevels
- Eliminates need for skilled operator



Accessories



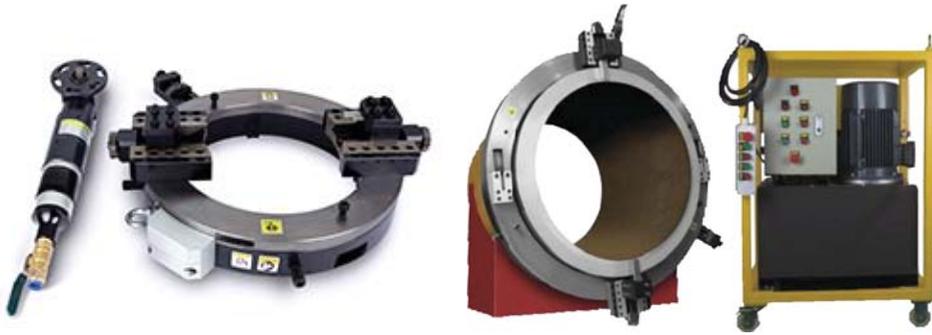
STANDARD TOOL SLIDE
For severing and beveling up to 30mm (1.2") wall thickness

HEAVY WALL TOOL SLIDE
Specifically designed for heavy wall applications with unlimited thickness constraints

OD TRACKING TOOL SLIDE
Compensates for ovality by moving the tool up or down with the pipe surface

COUNTERBORE TOOL SLIDE
Used for internal beveling when wall thickness is inconsistent

Drive Types



PNEUMATIC MOTOR

FEATURES:

- Built in safety with explosion proof design
- Consistent stable performance
- Heavy Duty planetary gears
- Used for standard applications

HYDRAULIC MOTOR

FEATURES:

- High Efficiency, High Torque
- Consistent stable performance
- Variable speeds
- Used for heavy wall/large diameter applications

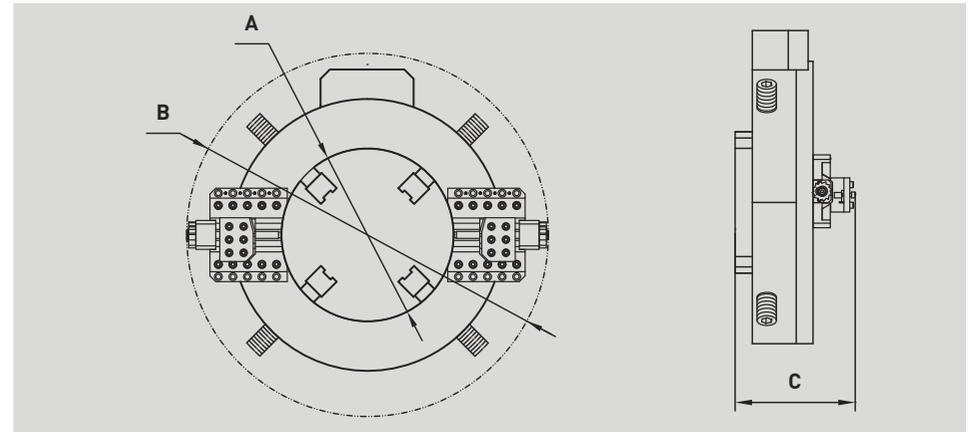
Working Range

MODEL	OD INCHES	OD MM	WALL THICKNESS
C6	2.375-6.625	50-168	Up to 30mm (1.2")
C10	5.563-10.75	125-275	Up to 30mm (1.2")
C14	8.625-14.00	219-377	Up to 30mm (1.2")
C18	12.75-18.00	300-457	Up to 30mm (1.2")
C22	16.00-22.00	400-560	Up to 30mm (1.2")
C26	20.00-26.00	508-600	Up to 30mm (1.2")
C30	24.00-30.00	600-762	Up to 30mm (1.2")
C36	30.00-36.00	762-914	Up to 30mm (1.2")
C42	36.00-42.00	914-1066	Up to 30mm (1.2")
C48	42.00-48.00	1066-1230	Up to 30mm (1.2")

• Consult Factory for Heavy wall applications requiring heavy wall tool slide

Clearances

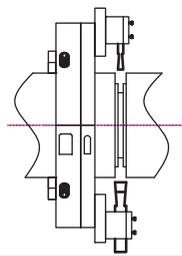
MODEL	DIMENSION A (mm/in)	DIMENSION B (mm/in)	DIMENSION C (mm/in)
C6	185mm / 7.30"	512mm / 20.16"	192mm / 7.56"
C10	283mm / 11.15"	612mm / 24.10"	192mm / 7.56"
C14	386mm / 15.20"	719mm / 28.31"	192mm / 7.56"
C18	469mm / 18.46"	807mm / 31.78"	195mm / 7.68"
C22	570mm / 22.44"	910mm / 35.83"	195mm / 7.68"
C26	670mm / 26.38"	1020mm / 40.16"	195mm / 7.68"
C30	770mm / 30.32"	1134mm / 44.65"	198mm / 7.80"
C36	924mm / 36.38"	1296mm / 51.03"	214mm / 8.43"
C42	1077mm / 42.40"	1468mm / 57.80"	216mm / 8.50"
C48	1248mm / 49.14"	1646mm / 64.81"	216mm / 8.50"



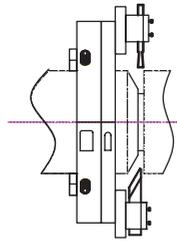
Ordering Guide

- ✓ Define diameter range
- ✓ Choose drive type: Pneumatic or Hydraulic
- ✓ Define beveling angle required
- ✓ Confirm weld joint requirements (V, U, Double V or compound)
- ✓ Confirm pipe material (Carbon Steel, Stainless steel, etc.)
- ✓ Confirm pipe wall thickness

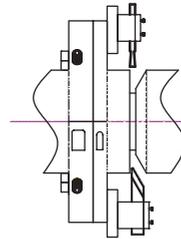
Tool Configurations



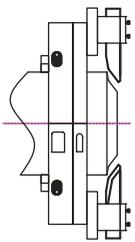
COLD SEVERING



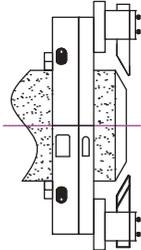
SEVERING & BEVELING (RH)



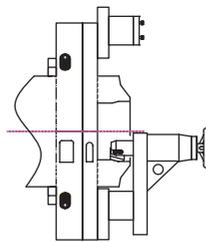
SEVERING & BEVELING (LH)



COMPOUND BEVELING



DOUBLE BEVELING



COUNTERBORING & FACING

Machine Weights

MODEL	Machine Weight	Shipping Weight	Package Size, mm (LWH)
C6	42Kg / 92lbs	68Kg / 150lbs	640 x 650 x 280
C10	44Kg / 99lbs	80Kg / 176lbs	770 x 710 x 280
C14	56Kg / 123lbs	94Kg / 207lbs	785 x 845 x 280
C18	65Kg / 143lbs	107Kg / 235lbs	920 x 870 x 280
C22	79Kg / 174lbs	127Kg / 280lbs	1040 x 970 x 290
C26	96Kg / 212lbs	150Kg / 331lbs	1050 x 1050 x 330
C30	116Kg / 256lbs	172Kg / 379lbs	1090 x 1090 x 330
C36	145Kg / 320lbs	210Kg / 463lbs	1130 x 1200 x 330
C42	198Kg / 437lbs	282Kg / 622lbs	1320 x 730 x 330
C48	236Kg / 520lbs	339Kg / 747lbs	1570 x 820 x 330

Tool Bits

Severing Tools

Dimensions	Application	Sketch
5mm x 25mm x100mm M42 Severing tool	Standard severing of pipe for thicknesses up to 30mm	
6mm x 25mm x200mm M42 Severing tool	Extended severing tool with dual cutting surfaces for thickness up to 60mm	
8mm x 25mm x200mm M42 Severing tool	Extended severing tool with dual cutting surfaces for thickness up to 60mm	

Beveling Tools

Dimensions	Application	Sketch
M42 Beveling tool (Right Hand) 12mm x20mm x104mm	Standard beveling tool for thickness up to 30mm. Available in multiple angles	
M42 Beveling tool (Left Hand) 12mm x20mm x104mm	Standard beveling tool for thickness up to 30mm. Available in multiple angles	
M42 Compound Beveling tool 12mm x20mm x150mm	Compound beveling tool for thickness up to 30mm. Available in multiple angles	
M42 Compound Beveling tool 25mm x25mm x150mm	Compound beveling tool for thickness up to 60mm. Available in multiple angles	
M42 Beveling tool 25mm x25mm x 200mm	Extended beveling tool with dual cutting surfaces for thickness up to 60mm. Used with heavy wall tool slide	

Counterboring tool

Description	Application	Sketch
M42 Counterboring tool	Counter boring tool. Used with counterboring tool slide	



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