

PRESS BRAKE TOOLS

STANDARD TOOLING LIST

PRODUCT CATALOG

EURO

AMADA TYPE

High Quality & Technology For ● The Future

CONIC

Progressive change of tooling to the global standards.

The fusion of Europe's largest sheet metal market with Japan's advanced technology has been achieved.

Tough tooling which over comes bending difficulty
CONIC original products.

EURO

Series tooling

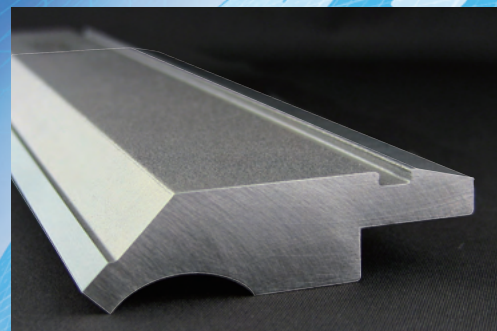
The hardness of conventional tools is around HRC44°-55°
(CONIC made)

EURO Series tooling
Increase hardness of cutting edge to
HRC 54°-60°!!

Significant wear resistance and high durability

Our mission is to overcome the challenge of bending,
particularly for laser-hardened and stainless steel.

EURO series enhances tooling durability, directly
resulting in cost reduction.



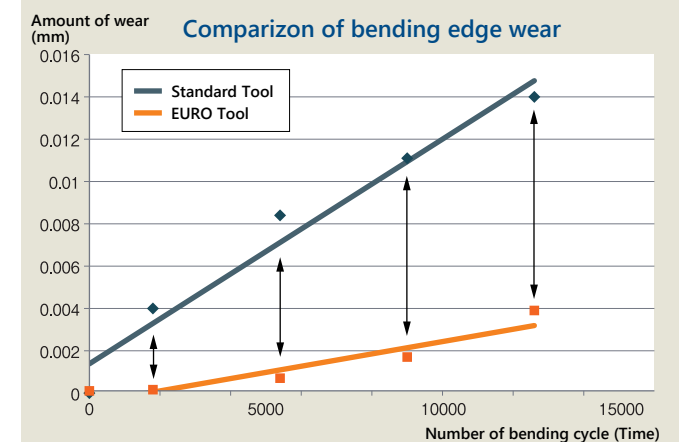
KEY POINT!

Get more hardness here with
our original technology.

Amount of tool wear comparison test

High hardness of the bending edge is
directly related to tool life.

Tool hardness also helps to maintain quality and reduce costs.



Experiment data (SUS t=1.0)

The amount of wear on the Euro tool is only 25% of that of the standard tool, even after 12,600 bending cycles.

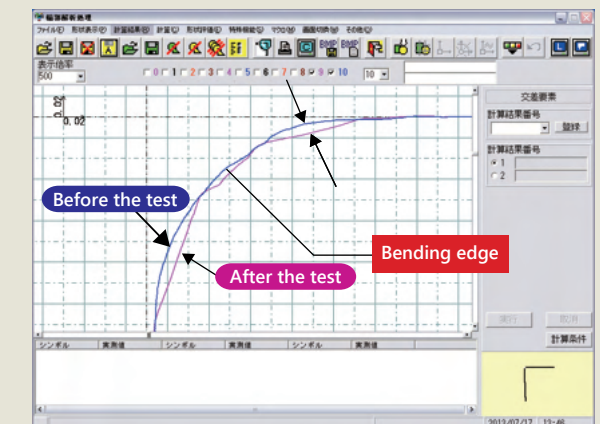
Analysis of tool wear amount contour image

There is already difference after 12,600 bends.

Test Material : SUS t=1.0 The durability of EURO tools is clear!

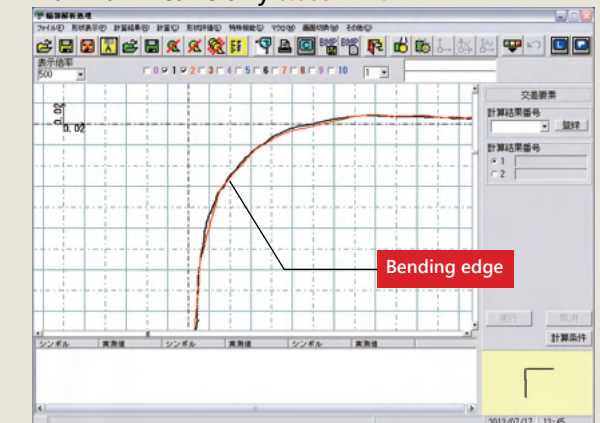
Standard tool

Partial wear of 0.014mm occurred.



EURO tool

Maximum wear is only 0.003 mm.



EURO Contents

Series Tooling

PUNCH

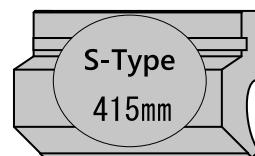
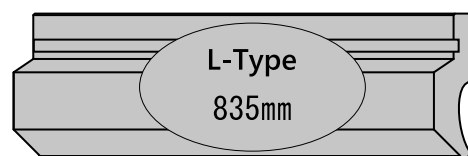
Standard Punch / Gooseneck Punch (88°)	5-6
Sash Punch / Burring Punch (88°)	7
Straight Punch (88°)	8
Standard Punch / Gooseneck Punch(90°)	9-10
Sash Punch / Burring Punch (90°)	11
Straight Punch (90°) / Heavy Duty Punch (60°)	12
Acute Punch /Hemming Punch	13

DIE

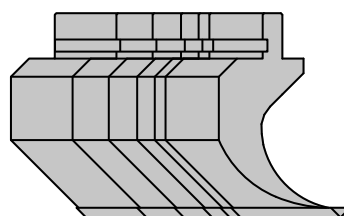
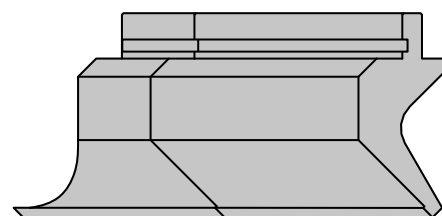
1V Die	14-15
2V Die	16-17
Sectionalized 2V Die Rail / Die Holder For Sash etc.	18

■About our products name
In this catalog, Our products name is ER-.
This products name is related to Japan Style.
(Standard Punch No.117→ER-117)
(1V Die No.35 →ER-03500)

Tool Length



Sectionalized



Punch

L : 835mm S : 415mm

Sectionalized A Type /10 • 15 • 20 • 40 • 50 • 100(Right) • 100(Left) • 200 • 300 (Total 835mm)

Sectionalized B Type /10 • 15 • 20 • 40 • 50 • 100(Right) • 100(Left) • 165 • 300 (Total 800mm)

Die

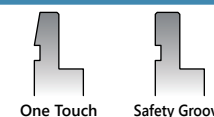
Sectionalized /10 • 15 • 20 • 40 • 50 • 100 • 200 • 400 (Total 835mm)

88° High Hardness Tooling EURO PUNCH

Cutting edge (Working area) HRC54-60

L: 835mm S: 415mm
Sectionalized Type-A/10•15•20•40•50•100(Right)•100(Left)•200•300(Total 835mm)
Sectionalized Type-B/10•15•20•40•50•100(Right)•100(Left)•165•300(Total 800mm)

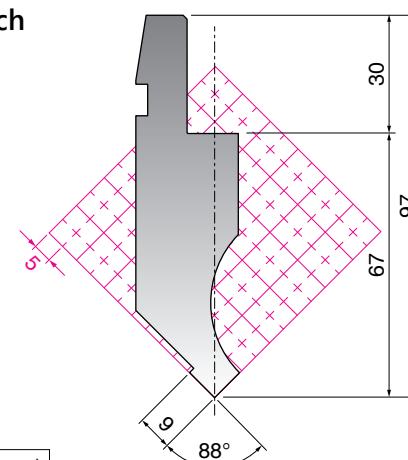
Selectable



ER-004

Standard Punch

- Tip R
R0.2 R0.6 R0.8
R1.5 R3.0

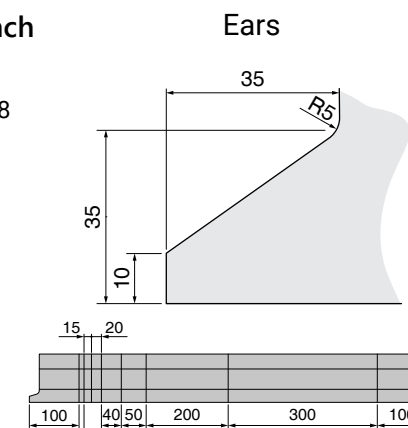


1000kN/m(100ton/m)

ER-148

Standard Punch

- Tip R
R0.2 R0.6 R0.8
R1.5 R3.0



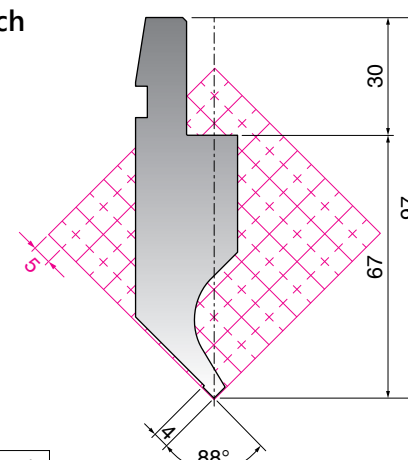
450kN/m(45ton/m)

Cross-sectional shape is the same as ER-004.

ER-117

Standard Punch

- Tip R
R0.2 R0.6

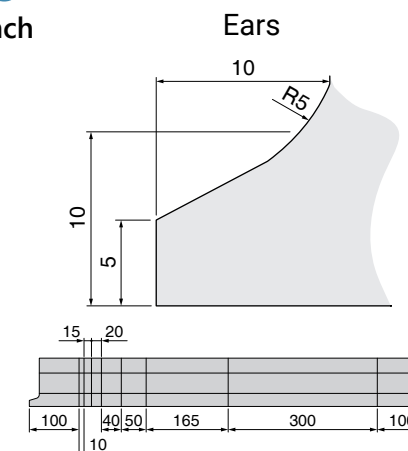


200kN/m(20ton/m)

ER-1178

Standard Punch

- Tip R
R0.2 R0.6



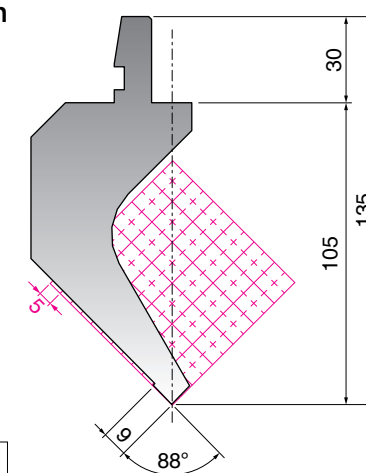
110kN/m(11ton/m)

Cross-sectional shape is the same as ER-117.

ER-045

Gooseneck Punch

- Tip R
R0.2 R0.6

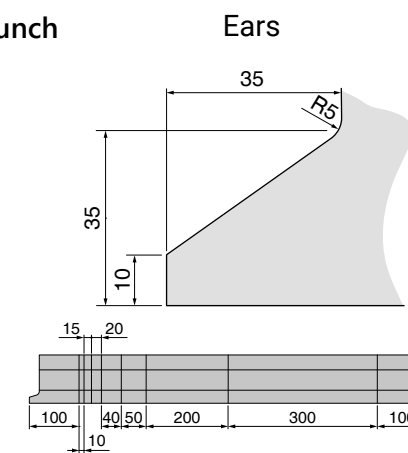


500kN/m(50ton/m)

ER-050

Gooseneck Punch

- Tip R
R0.2 R0.6



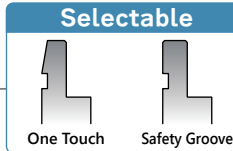
450kN/m(45ton/m)

Cross-sectional shape is the same as ER-045.

88° High Hardness Tooling **EURO PUNCH**

Cutting edge (Working area) HRC54-60

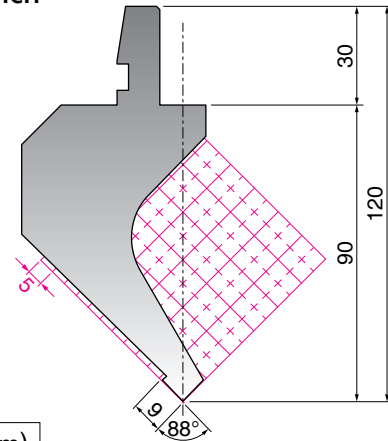
L: 835mm S: 415mm
Sectionalized Type-A/10·15·20·40·50·100(Right)·100(Left)·200·300(Total 835mm)
Sectionalized Type-B/10·15·20·40·50·100(Right)·100(Left)·165·300(Total 800mm)



ER-452

Gooseneck Punch

- Tip R
R0.2 R0.6

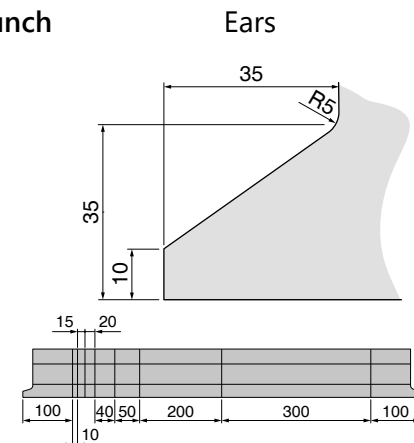


700kN/m(70ton/m)

ER-150

Gooseneck Punch

- Tip R
R0.2 R0.6



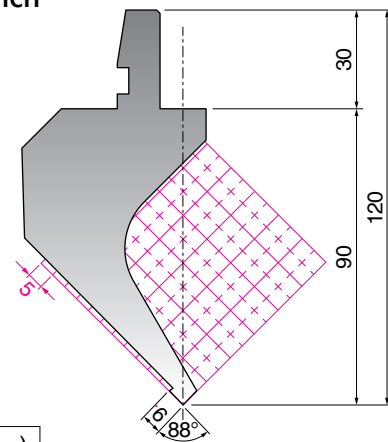
450kN/m(45ton/m)

Cross-sectional shape is the same as ER-452.

ER-453

Gooseneck Punch

- Tip R
R0.2 R0.6

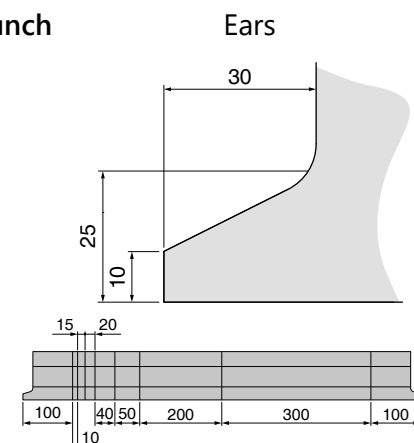


500kN/m(50ton/m)

ER-155

Gooseneck Punch

- Tip R
R0.2 R0.6



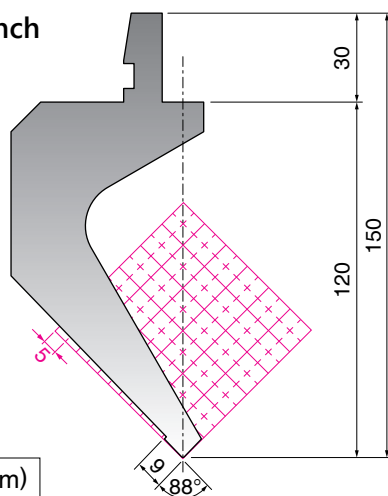
300kN/m(30ton/m)

Cross-sectional shape is the same as ER-453.

ER-047

Gooseneck Punch

- Tip R
R0.2 R0.6

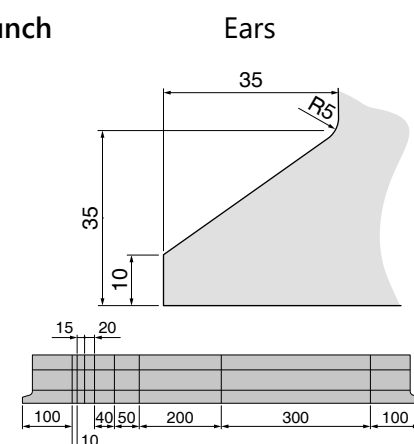


500kN/m(50ton/m)

ER-052

Gooseneck Punch

- Tip R
R0.2 R0.6



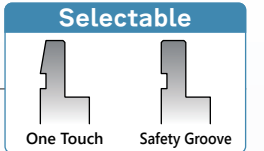
450kN/m(45ton/m)

Cross-sectional shape is the same as ER-047.

88° High Hardness Tooling **EURO PUNCH**

Cutting edge (Working area) HRC54-60

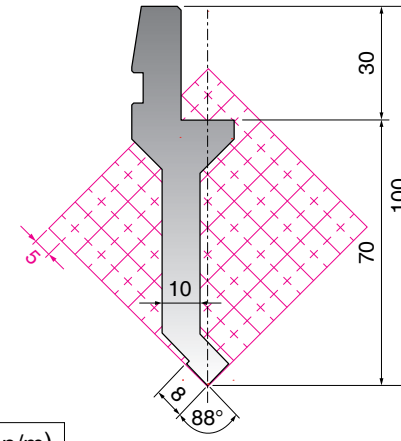
L: 835mm S: 415mm
Sectionalized Type-A/10·15·20·40·50·100(Right)·100(Left)·200·300(Total 835mm)
Sectionalized Type-B/10·15·20·40·50·100(Right)·100(Left)·165·300(Total 800mm)



ER-200

Sash Punch

- Tip R
R0.2 R0.6

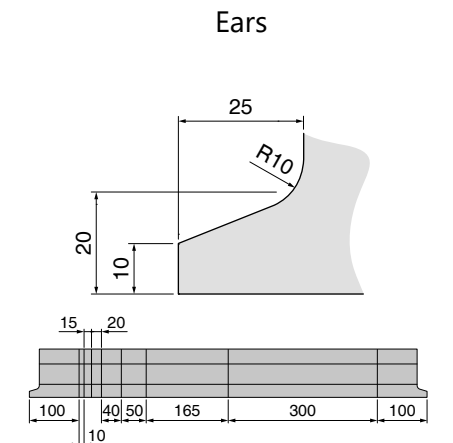


300kN/m(30ton/m)

ER-2008

Sash Punch

- Tip R
R0.2 R0.6



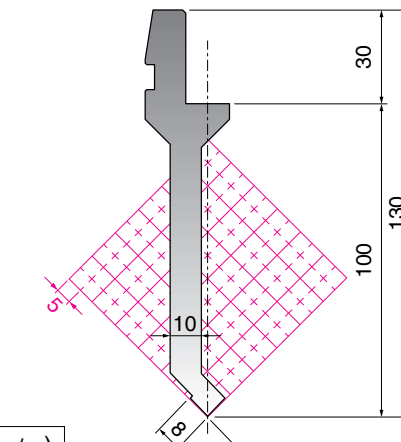
150kN/m(15ton/m)

Cross-sectional shape is the same as ER-200.

ER-202

Sash Punch

- Tip R
R0.2 R0.6

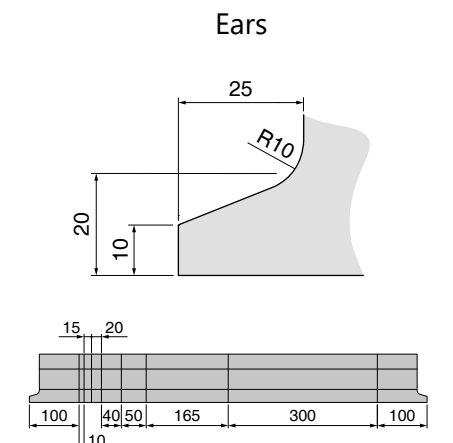


300kN/m(30ton/m)

ER-2028

Sash Punch

- Tip R
R0.2 R0.6



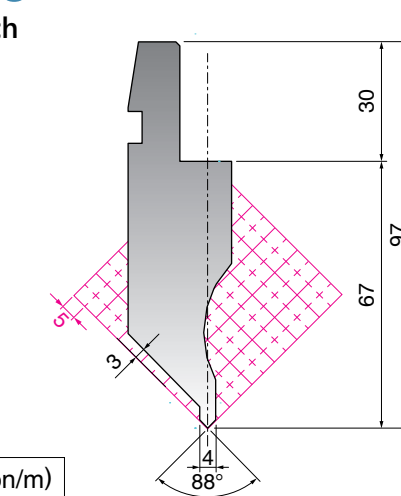
150kN/m(15ton/m)

Cross-sectional shape is the same as ER-202.

ER-0048

Burring Punch No.1

- Tip R
R0.2 R0.6

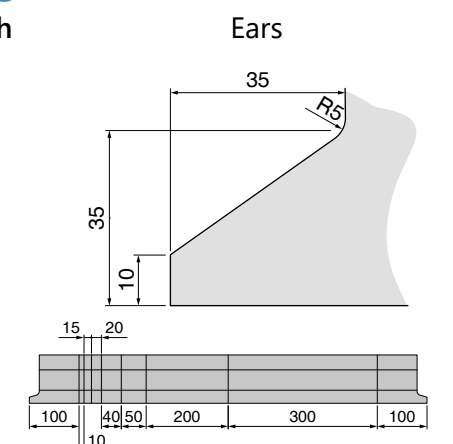


400kN/m(40ton/m)

ER-1488

Burring Punch No.1

- Tip R
R0.2 R0.6



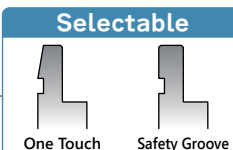
200kN/m(20ton/m)

Cross-sectional shape is the same as ER-0048.

88° High Hardness Tooling **EURO PUNCH**

Cutting edge (Working area) HRC54-60

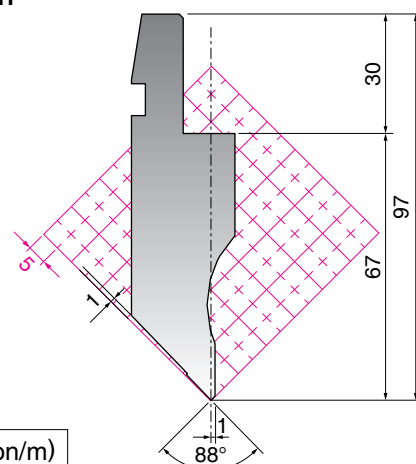
L: 835mm S: 415mm
Sectionalized Type-A/10·15·20·40·50·100(Right)·100(Left)·200·300(Total 835mm)
Sectionalized Type-B/10·15·20·40·50·100(Right)·100(Left)·165·300(Total 800mm)



ER-0049

Burring Punch
No.2

- Tip R
R0.2 R0.6

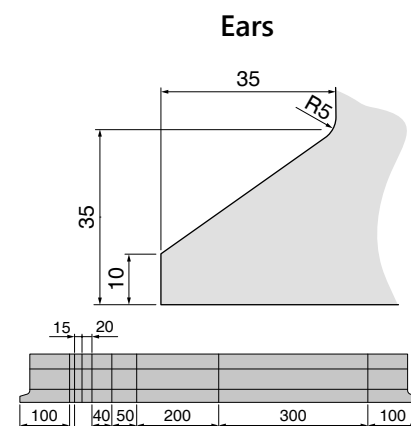


800kN/m(80ton/m)

ER-1489

Burring Punch
No.2

- Tip R
R0.2 R0.6



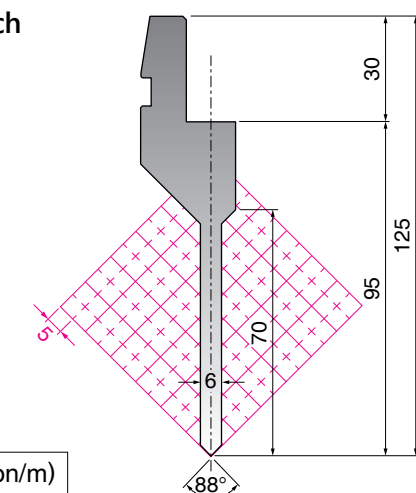
400kN/m(40ton/m)

Cross-sectional shape is the same as ER-0049.

ER-109

Straight Punch

- Tip R
R0.2 R0.6

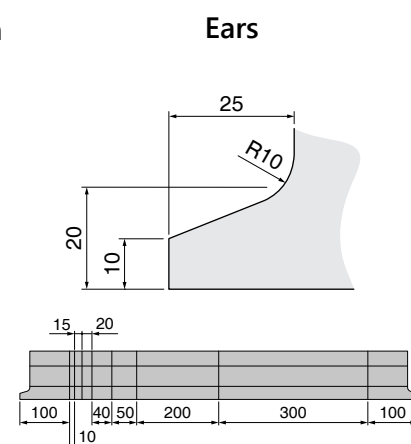


500kN/m(50ton/m)

ER-107

Straight Punch

- Tip R
R0.2 R0.6



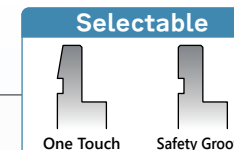
120kN/m(12ton/m)

Cross-sectional shape is the same as ER-109.

90° High Hardness Tooling **EURO PUNCH**

Cutting edge (Working area) HRC54-60

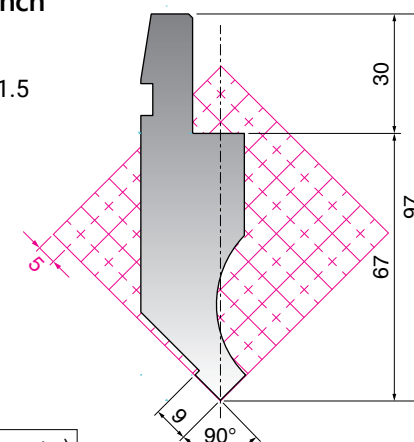
L: 835mm S: 415mm
Sectionalized Type-A/10·15·20·40·50·100(Right)·100(Left)·200·300(Total 835mm)
Sectionalized Type-B/10·15·20·40·50·100(Right)·100(Left)·165·300(Total 800mm)



ER-016

Standard Punch

- Tip R
R0.2 R0.8 R1.5
R3.0

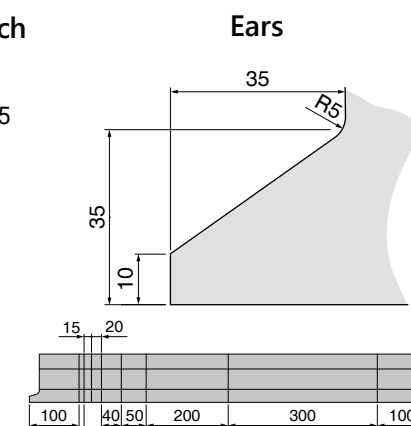


1000kN/m(100ton/m)

ER-147

Standard Punch

- Tip R
R0.2 R0.8 R1.5
R3.0



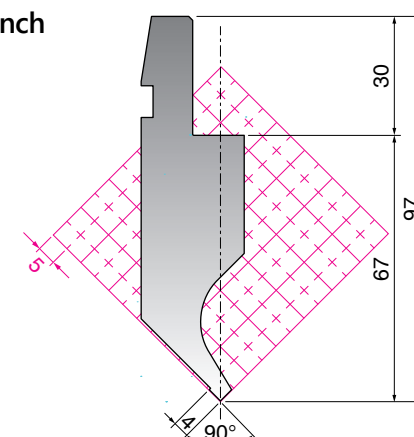
450kN/m(45ton/m)

Cross-sectional shape is the same as ER-016.

ER-11600

Standard Punch

- Tip R
R0.2

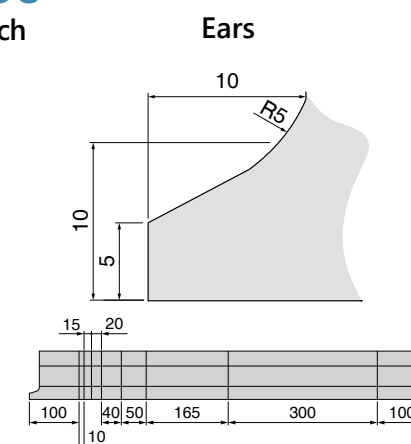


200kN/m(20ton/m)

ER-11680

Standard Punch

- Tip R
R0.2



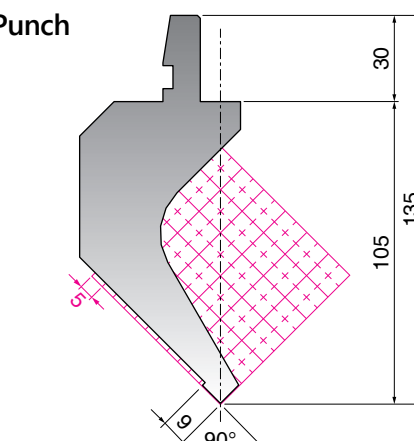
110kN/m(11ton/m)

Cross-sectional shape is the same as ER-11600.

ER-04600

Gooseneck Punch

- Tip R
R0.2

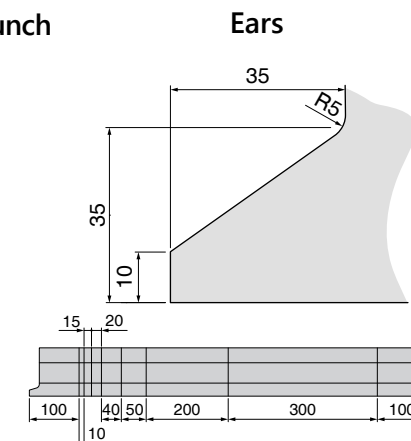


500kN/m(50ton/m)

ER-05100

Gooseneck Punch

- Tip R
R0.2



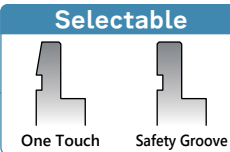
450kN/m(45ton/m)

Cross-sectional shape is the same as ER-04600.

90° High Hardness Tooling **EURO PUNCH**

Cutting edge (Working area) HRC54-60

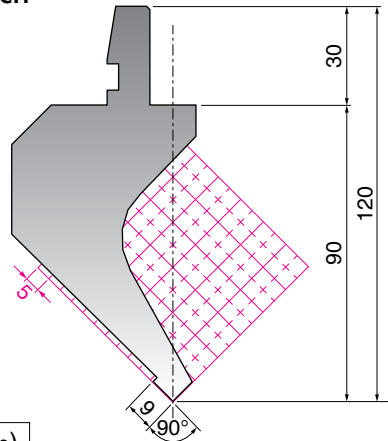
L: 835mm S: 415mm
Sectionalized Type-A/10·15·20·40·50·100(Right)·100(Left)·200·300(Total 835mm)
Sectionalized Type-B/10·15·20·40·50·100(Right)·100(Left)·165·300(Total 800mm)



ER-46200

Gooseneck Punch

- Tip R
R0.2

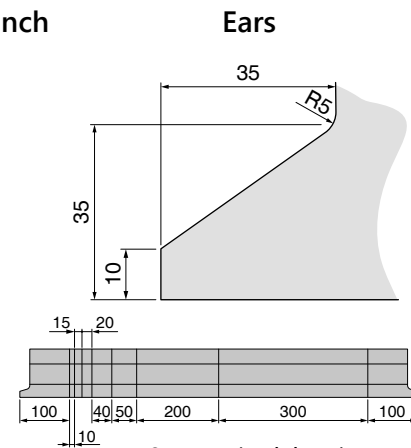


700kN/m(70ton/m)

ER-15100

Gooseneck Punch

- Tip R
R0.2



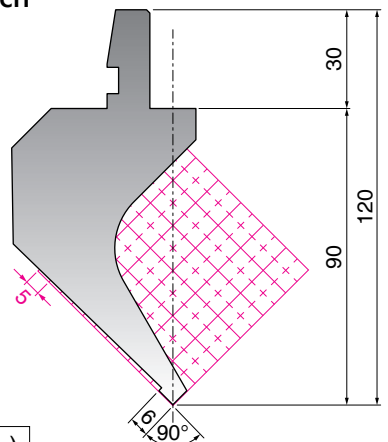
450kN/m(45ton/m)

Cross-sectional shape is the same as ER-46200.

ER-46300

Gooseneck Punch

- Tip R
R0.2

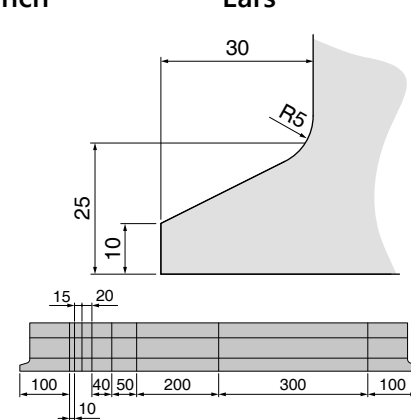


500kN/m(50ton/m)

ER-15600

Gooseneck Punch

- Tip R
R0.2



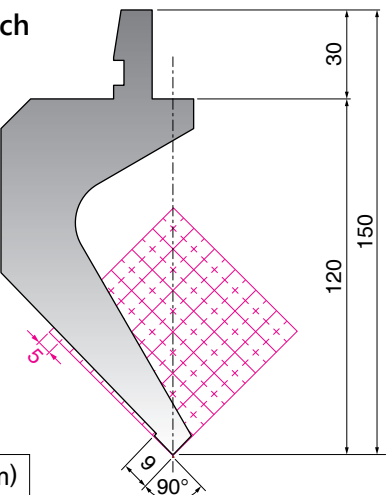
300kN/m(30ton/m)

Cross-sectional shape is the same as ER-46300.

ER-04800

Gooseneck Punch

- Tip R
R0.2

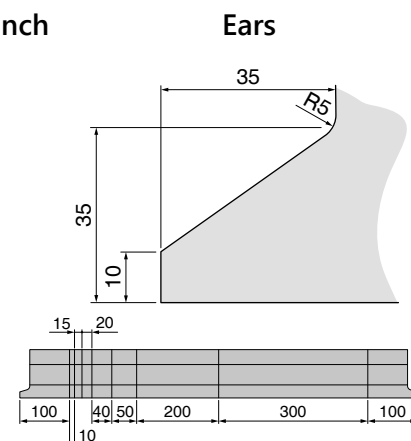


500kN/m(50ton/m)

ER-05300

Gooseneck Punch

- Tip R
R0.2



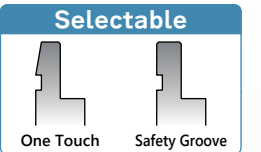
450kN/m(45ton/m)

Cross-sectional shape is the same as ER-04800.

90° High Hardness Tooling **EURO PUNCH**

Cutting edge (Working area) HRC54-60

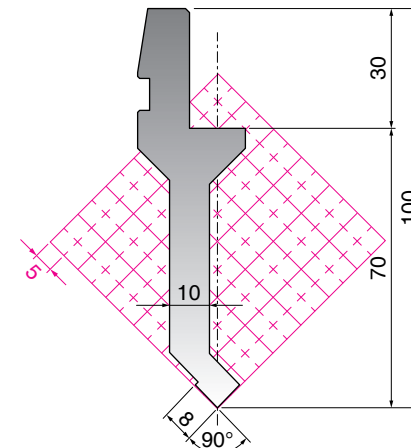
L: 835mm S: 415mm
Sectionalized Type-A/10·15·20·40·50·100(Right)·100(Left)·200·300(Total 835mm)
Sectionalized Type-B/10·15·20·40·50·100(Right)·100(Left)·165·300(Total 800mm)



ER-20100

Sash Punch

- Tip R
R0.2

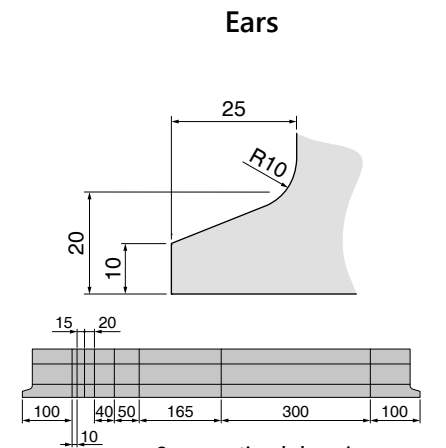


300kN/m(30ton/m)

ER-20180

Sash Punch

- Tip R
R0.2



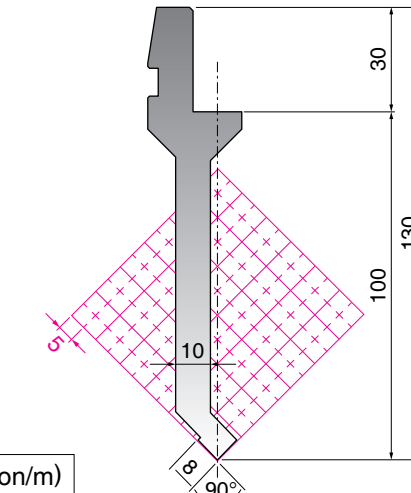
150kN/m(15ton/m)

Cross-sectional shape is the same as ER-20100.

ER-20300

Sash Punch

- Tip R
R0.2

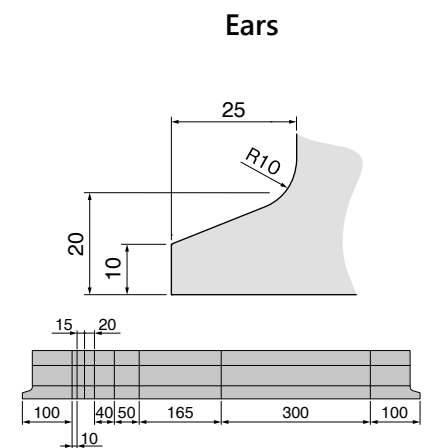


300kN/m(30ton/m)

ER-20380

Sash Punch

- Tip R
R0.2



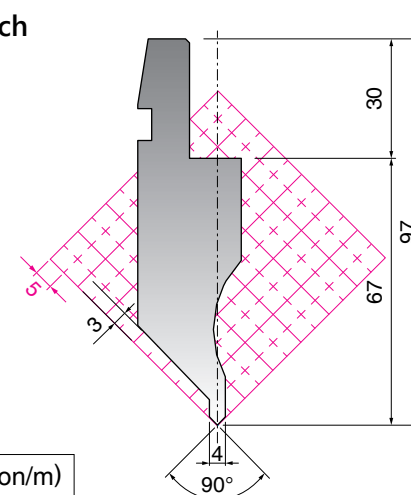
150kN/m(15ton/m)

Cross-sectional shape is the same as ER-20300.

ER-01680

Burring Punch No.1

- Tip R
R0.2

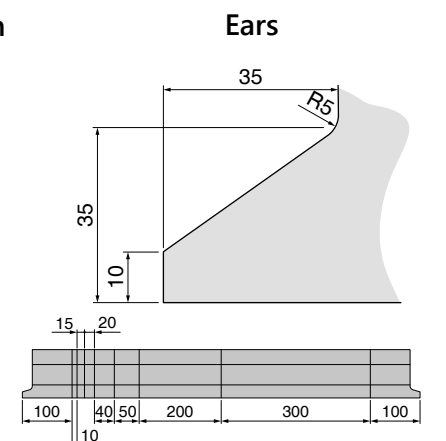


400kN/m(40ton/m)

ER-14780

Burring Punch No.1

- Tip R
R0.2



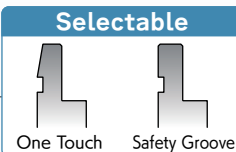
200kN/m(20ton/m)

Cross-sectional shape is the same as ER-01680.

90°/60° High Hardness Tooling **EURO PUNCH**

Cutting edge (Working area) HRC54-60

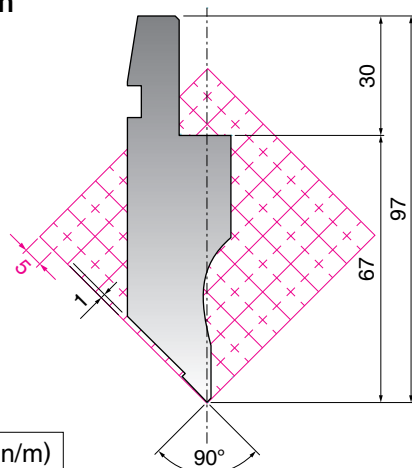
L: 835mm S: 415mm
Sectionalized Type-A/10·15·20·40·50·100(Right)·100(Left)·200·300(Total 835mm)
Sectionalized Type-B/10·15·20·40·50·100(Right)·100(Left)·165·300(Total 800mm)



ER-01690

Burring Punch
No.2

- Tip R
R0.2

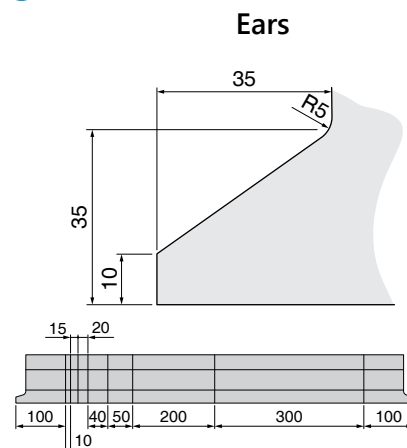


800kN/m(80ton/m)

ER-14790

Burring Punch
No.2

- Tip R
R0.2



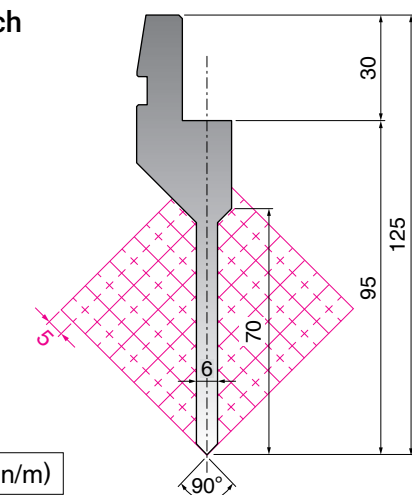
400kN/m(40ton/m)

Cross-sectional shape is the same as ER-01690.

ER-10800

Straight Punch

- Tip R
R0.2

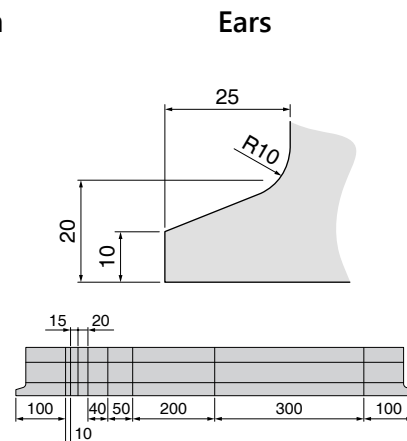


500kN/m(50ton/m)

ER-10600

Straight Punch

- Tip R
R0.2



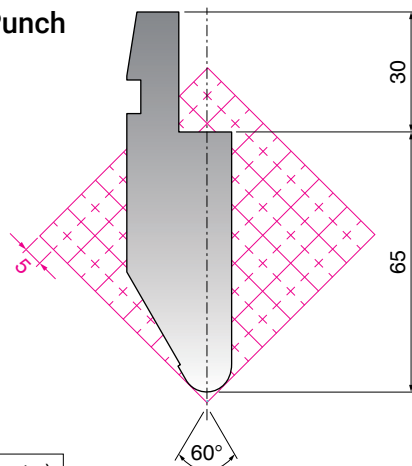
120kN/m(12ton/m)

Cross-sectional shape is the same as ER-10800.

ER-00300

Heavy Duty Punch

- Tip R
R6.0

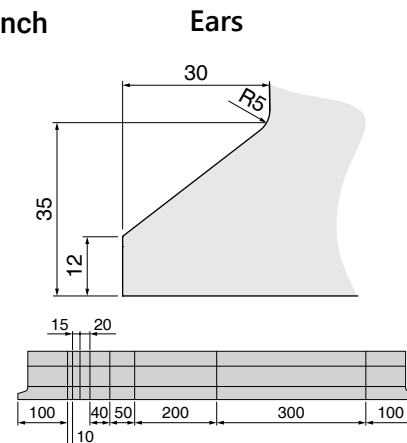


1000kN/m(100ton/m)

ER-13800

Heavy Duty Punch

- Tip R
R6.0



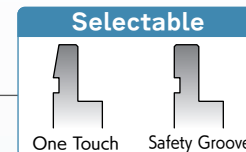
1000kN/m(100ton/m)

Cross-sectional shape is the same as ER-00300.

45°/30° High Hardness Tooling **EURO PUNCH**

Cutting edge (Working area) HRC54-60

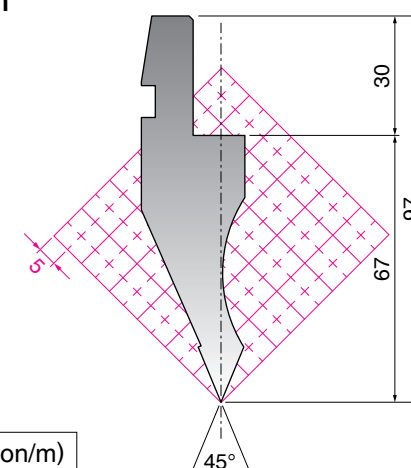
L: 835mm S: 415mm
Sectionalized Type-A/10·15·20·40·50·100(Right)·100(Left)·200·300(Total 835mm)
Sectionalized Type-B/10·15·20·40·50·100(Right)·100(Left)·165·300(Total 800mm)



ER-00800

Acute Punch

- Tip R
R0.37

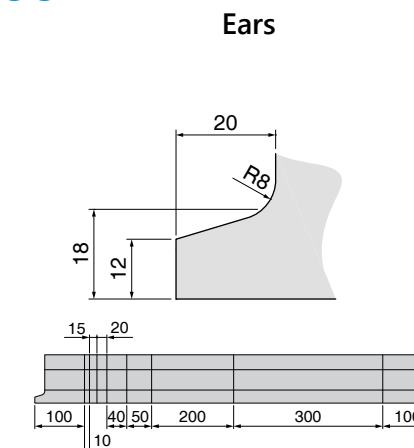


600kN/m(60ton/m)

ER-04900

Acute Punch

- Tip R
R0.37



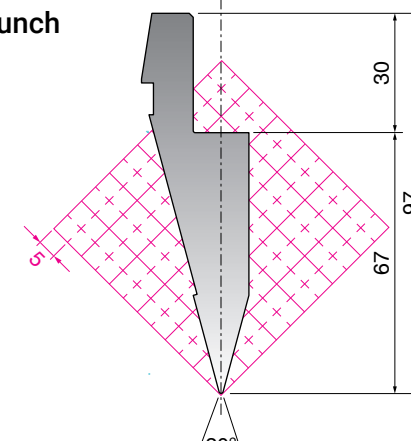
300kN/m(30ton/m)

Cross-sectional shape is the same as ER-00800.

ER-10300

Hemming Punch

- Tip R
R0.52

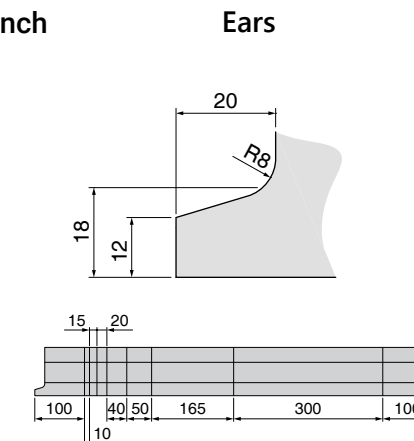


1000kN/m(100ton/m)

ER-10380

Hemming Punch

- Tip R
R0.52



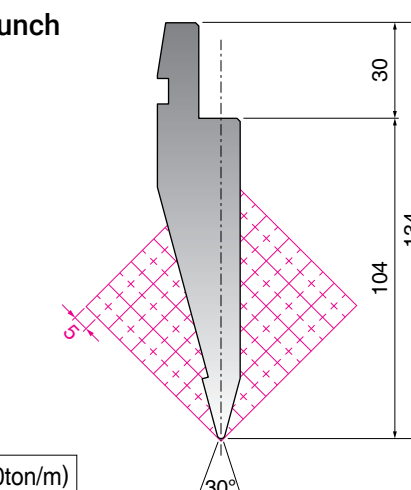
300kN/m(30ton/m)

Cross-sectional shape is the same as ER-10300.

ER-21000

Hemming Punch

- Tip R
R0.65

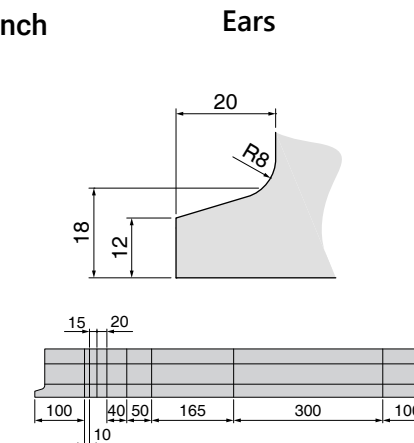


1000kN/m(100ton/m)

ER-21080

Hemming Punch

- Tip R
R0.65



200kN/m(20ton/m)

Cross-sectional shape is the same as ER-21000.

88°/90°

High Hardness Tooling

EURO DIE

Cutting edge (Working area) HRC54-60

L : 835mm S : 415mm Sectionalized
Sectionalized /10•15•20•40•50•100•200•400 (Total835mm)

*ER-32006 - ER-32106 cannot be used with sectionalized 1V die holders.
*ER-32000 - ER-32600 cannot be used with sectionalized 1V die holders.

ER-32006 1V DIE•V=6 950kN/m(95ton/m)	ER-32106 1V DIE•V=8 950kN/m(95ton/m)
ER-32200 1V DIE•V=10 950kN/m(95ton/m)	ER-32400 1V DIE•V=12 1000kN/m(100ton/m)
ER-32500 1V DIE•V=14 1000kN/m(100ton/m)	
ER-32000 1V DIE•V=6 950kN/m(95ton/m)	ER-32100 1V DIE•V=8 950kN/m(95ton/m)
ER-32300 1V DIE•V=6 950kN/m(95ton/m)	ER-32600 1V DIE•V=12 1000kN/m(100ton/m)

The sectionalized 1V die has been integrated into Amada type special tooling,
please refer to "Amada type [SBT / EURO series] Special tooling catalogue" if required.

85°/30°/45°

High Hardness Tooling

EURO DIE

Cutting edge (Working area) HRC54-60

L : 835mm S : 415mm

ER-03500 1V DIE•V=32 1000kN/m(100ton/m)	ER-03600 1V DIE•V=40 1000kN/m(100ton/m)
ER-03700 1V DIE•V=50 1000kN/m(100ton/m)	ER-03800 1V DIE•V=63 1000kN/m(100ton/m)
ER-01360 1V DIE•V=80 700kN/m(70ton/m)	ER-33700 2V DIE • 8×12 300kN/m(30ton/m)
ER-34000 1V DIE•V=18 800kN/m(80ton/m)	ER-34100 1V DIE•V=25 600kN/m(60ton/m)
ER-34200 1V DIE•V=32 400kN/m(40ton/m)	ER-34300 1V DIE•V=40 700kN/m(70ton/m)

88°/90° High Hardness Tooling **EURO** DIE

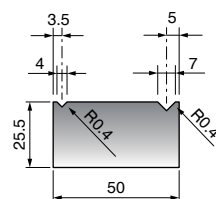
Cutting edge (Working area) HRC54-60

L: 835mm S: 415mm Sectionalized
Sectionalized /10•15•20•40•50•100•200•400 (Total 835mm)

ER-12106

2V DIE • 4×7

600kN/m(60ton/m)

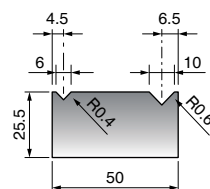


88°

ER-12306

2V DIE • 6×10

700kN/m(70ton/m)

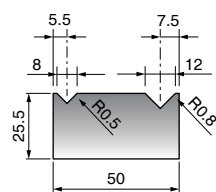


88°

ER-12406

2V DIE • 8×12

800kN/m(80ton/m)

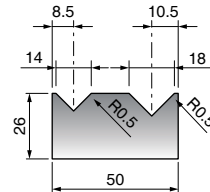


88°

ER-12500

2V DIE • 14×18

1000kN/m(100ton/m)

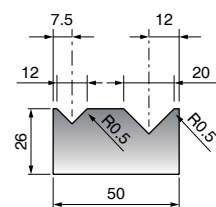


88°

ER-12600

2V DIE • 12×20

1000kN/m(100ton/m)

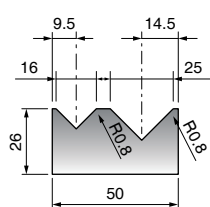


88°

ER-12700

2V DIE • 16×25

700kN/m(70ton/m)

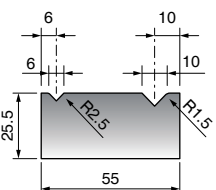


88°

ER-31106

2V DIE • 6×10
SUS AL用

800kN/m(80ton/m)

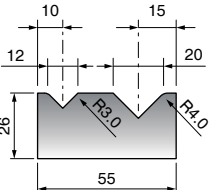


88°

ER-31400

2V DIE • 12×20
SUS AL用

1000kN/m(100ton/m)

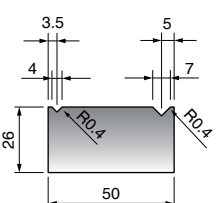


88°

ER-12100

2V DIE • 4×7

600kN/m(60ton/m)

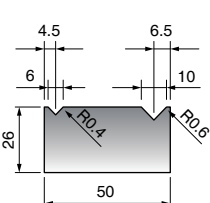


90°

ER-12300

2V DIE • 6×10

700kN/m(70ton/m)

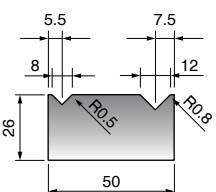


90°

ER-12400

2V DIE • 8×10

800kN/m(80ton/m)

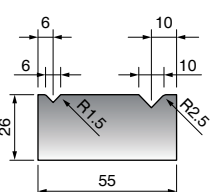


90°

ER-31100

2V DIE • 6×10
For SUS AL

800kN/m(80ton/m)



90°

88°/90° High Hardness Tooling **EURO** DIE

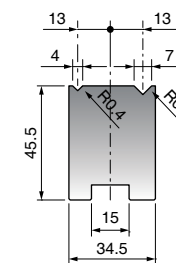
Cutting edge (Working area) HRC54-60

L: 835mm S: 415mm Sectionalized
Sectionalized /10•15•20•40•50•100•200•400 (Total 835mm)

ER-50186 / (ER-50196)

Self Centering 2V DIE • 4×7
Sectionalized

600kN/m(60ton/m)

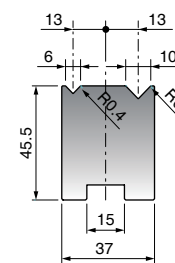


88°

ER-50286 / (ER-50296)

Self Centering 2V DIE • 6×10
Sectionalized

700kN/m(70ton/m)

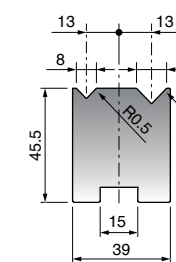


88°

ER-50386 / (ER-50396)

Self Centering 2V DIE • 8×12
Sectionalized

700kN/m(70ton/m)

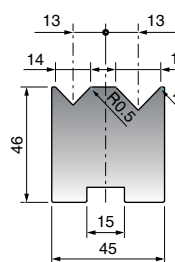


88°

ER-50480 / (ER-50490)

Self Centering 2V DIE • 14×18
Sectionalized

1000kN/m(100ton/m)

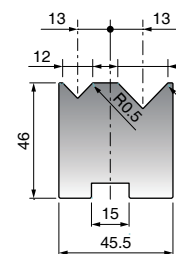


88°

ER-50580 / (ER-50590)

Self Centering 2V DIE • 12×20
Sectionalized

1000kN/m(100ton/m)

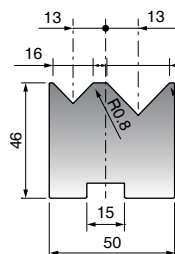


88°

ER-50680 / (ER-50690)

Self Centering 2V DIE • 16×25
Sectionalized

1000kN/m(100ton/m)

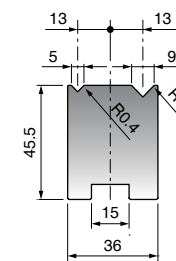


88°

ER-50786 / (ER-50796)

Self Centering 2V DIE • 5×9
Sectionalized

600kN/m(60ton/m)

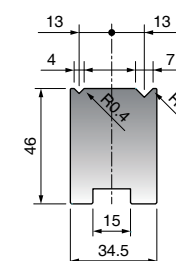


88°

ER-50180 / (ER-50190)

Self Centering 2V DIE • 4×7
Sectionalized

600kN/m(60ton/m)

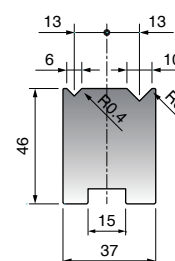


90°

ER-50280 / (ER-50290)

Self Centering 2V DIE • 6×10
Sectionalized

700kN/m(70ton/m)

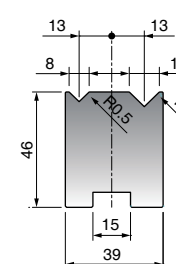


90°

ER-50380 / (ER-50390)

Self Centering 2V DIE • 8×12
Sectionalized

700kN/m(70ton/m)

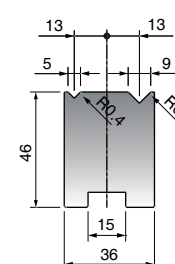


90°

ER-50780 / (ER-50790)

Self Centering 2V DIE • 5×9
Sectionalized

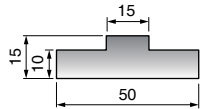
600kN/m(60ton/m)



90°

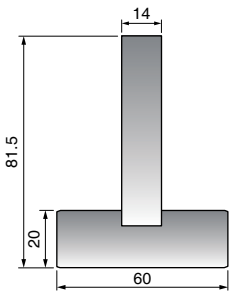
ER-30000

Sectionalized 2V DIE RAIL



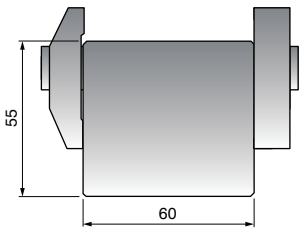
ER-33000

SASH DIE HOLDER
H=81.5



ER-05500

DIE BLOCK

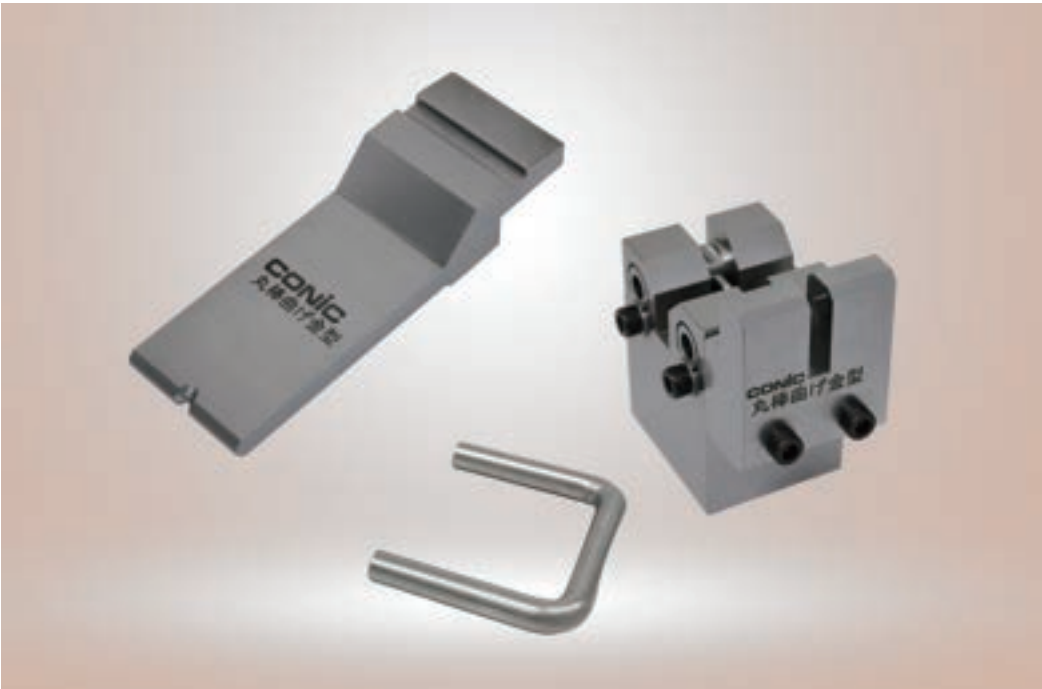


*If you require sectioned 1V DIE holders or 2V DIE holders (H=39/55/75), please contact us.

Special Design Tools (Individually quote products)

High hardness types can also be produced.

Pursue of Innovation,
Challenging for the Future



[Featuers]

- Extensive experience in custom products.
- Strongly supporting our customers' sheet metal processing with optimal die design.
- We strive to provide delivery times and prices that will satisfy you.

Bending Tool Quote/ Order Form

Date/ (MM) (DD) (YYYY)

Page

URL www.conic.co.jp/en/ EMAIL tools@conic.co.jp

CONIC's Person in charge:

1. Quote		2. Order	
Your company name		Country	TEL + (0)
Person in charge			FAX + (0)
Email			
		Preferred delivery date (MM) (DD)	

Machine maker's name	Name of machine (for example: HDS)	Machine spec
Amada ☒ EURO		CAPACITY : kN(ton) TABLE LENGTH : L = mm OPEN HEIGHT : H= mm

Tool Material	Series	Clamp Type
☒ Euro - Type	☒ SBT	☐ OT-Type ☐ A9-Type (saftey groove) ☐ Standard-type

Product No. (e.g. ER-004)	Quantity						Remarks
	L (835mm)	S (415mm)	Sectioning A (Total 835mm)	Sectioning B (Total 800mm)	Sectioning Die (Total 835mm)	Ears (Each 100mm)	

- ◆ Please draw special shapes here.
- ◆ There are chamfer on the shoulder for standard. If you don't need, we provide a reasonable price.

PRODUCT CATALOG

AMADA TYPE

CONIC HIGH PERFORMANCE TOOLING

- AMADA TYPE TOOLING
- TRUMPF TYPE TOOLING
- MURATA TYPE TOOLING
- KOMATSU TYPE TOOLING
- TOYOKOKI TYPE TOOLING
- NISSHINBO TYPE TOOLING



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55/22 moo 4. Buengkumphroy, Lumlukka, Phatumthani 12150 Thailand

Tel: (+66) 2 159 9870-1 | Fax: (+66) 2 159 9872

Email: conic_thai@conic.co.jp | Website: www.conic.co.jp/thai/

Dealer