

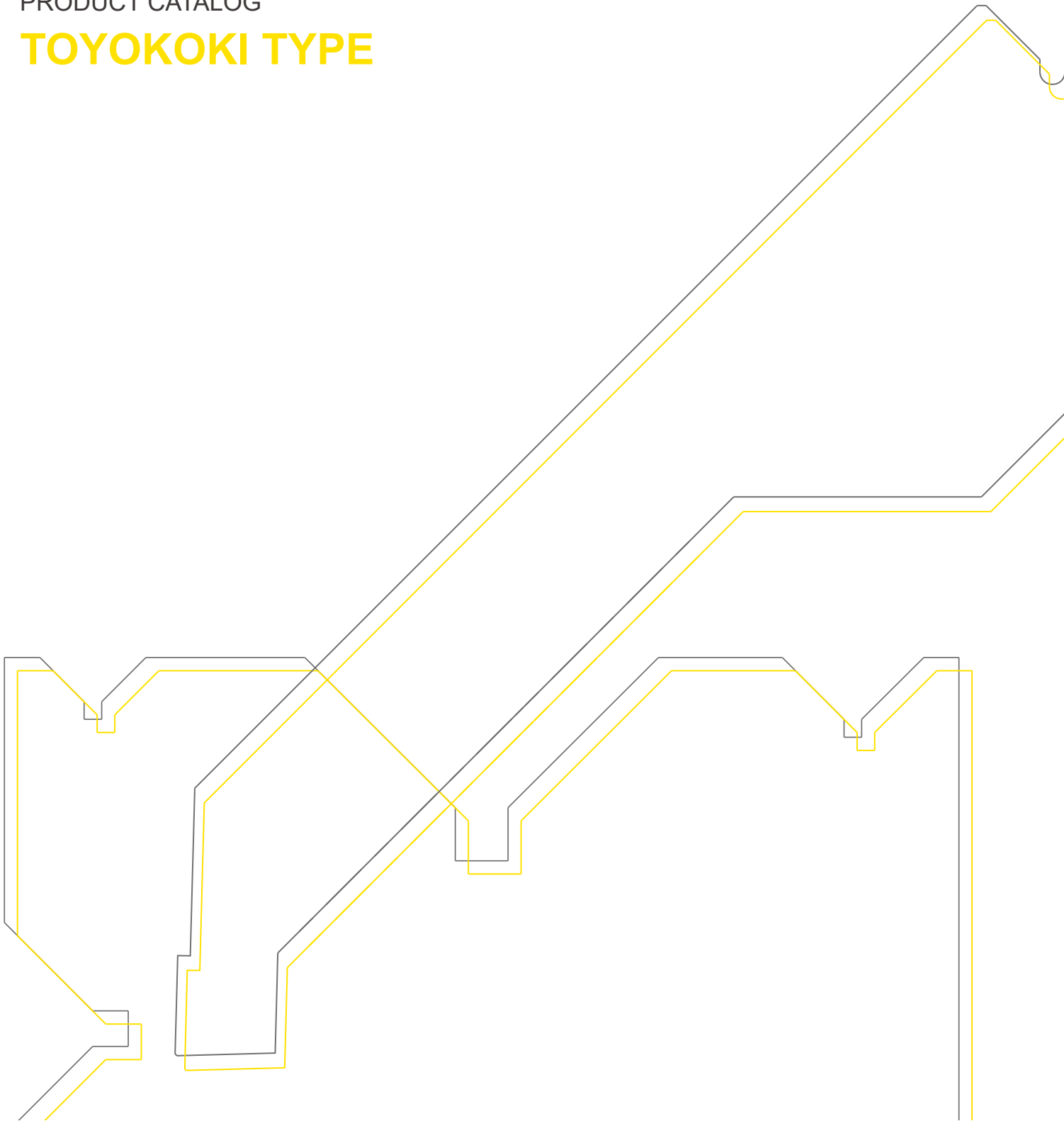
# PRESS BRAKE TOOLS

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STANDARD TOOLING LIST

PRODUCT CATALOG

**TOYOKOKI TYPE**



High Quality & Technology For  The Future

**CONIC**

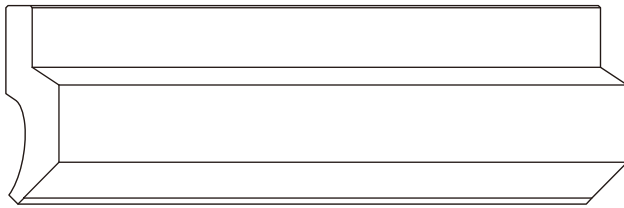
# INDEX

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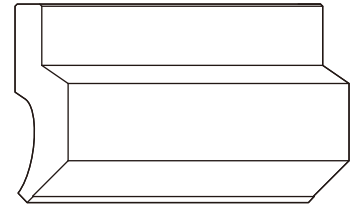
<b>INFORMATION</b> .....	03
<b>STANDARD PUNCH</b>	
GOOSENECK PUNCH .....	04-05
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# INFORMATION

## ■ TOOL LENGTH

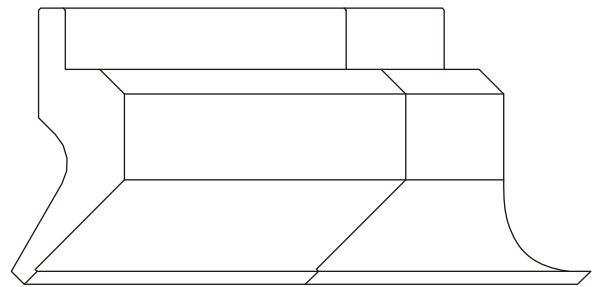
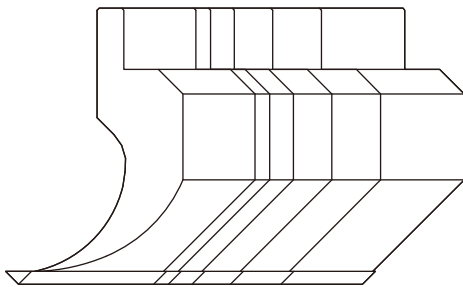


Type L 835 mm



Type S 415 mm

## ■ SECTIONING



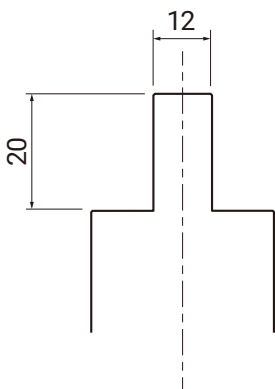
## ■ SECTIONING (PUNCH)

SECTIONING TYP (Total 835mm) 10 ▪ 15 ▪ 20 ▪ 40 ▪ 80 ▪ 160 ▪ 310 ▪ 100 (Right) ▪ 100 (Left)

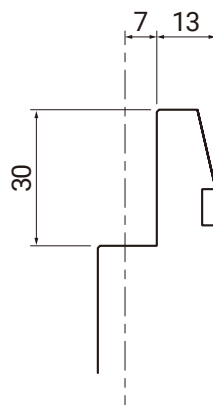
## ■ SECTIONING (DIE)

SECTIONING TYD (Total 835mm) 10 ▪ 15 ▪ 20 ▪ 40 ▪ 80 ▪ 160 ▪ 200 ▪ 310

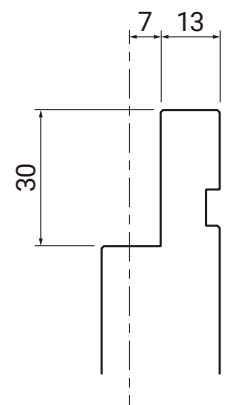
## ■ CLAMP TYPE



STANDARD TYPE



OT-TYPE (One Touch)  
\*Please see Amada type catalog



A9-TYPE (Safety Groove)  
\*Please see Amada type catalog

# GOOSENECK PUNCH

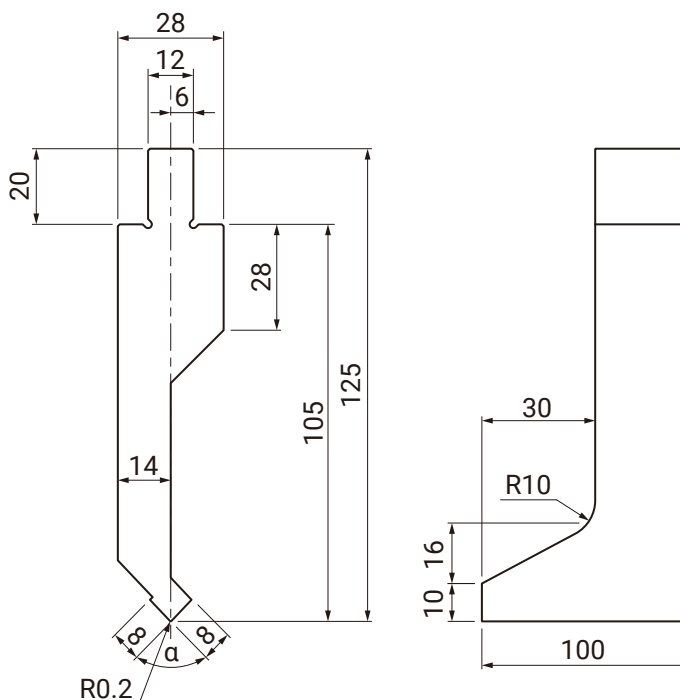
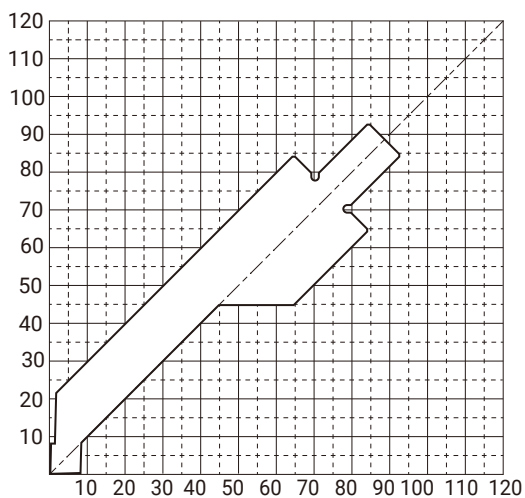
Material: **SCM440** Hardness: **HRC47 ± 3**

L: 835mm S: 415mm

Sectioning TYP: 835mm

Type	$\alpha$	R (mm)	Max (ton/m)	Product No.
	Angle			
GOOSENECK PUNCH	87	0.2	100	TPA8702
	90			TPA9002
	87		50	TPC8702
	90			TPC9002
	87		40	TPD8702
	90			TPD9002

■ TPA



RIGHT AND LEFT EAR DIMENSION  
490KN/M 50TON

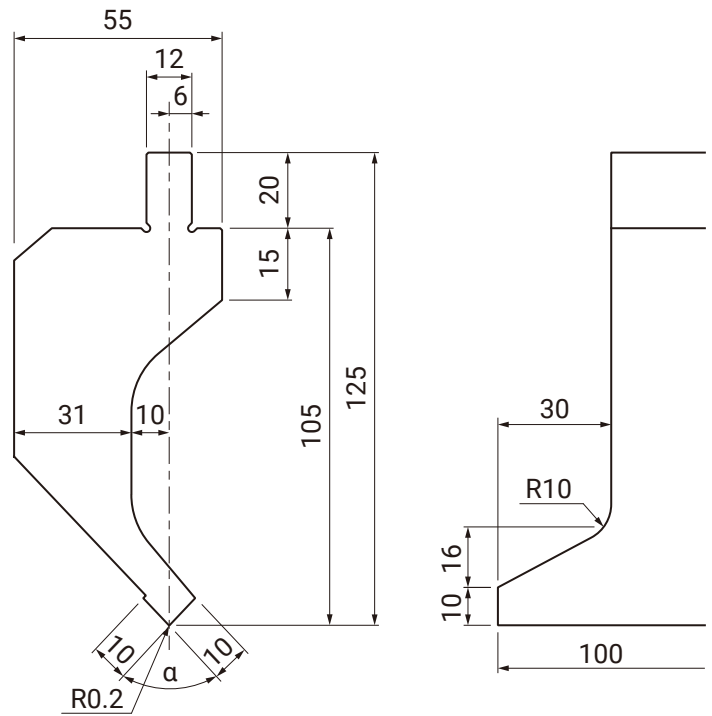
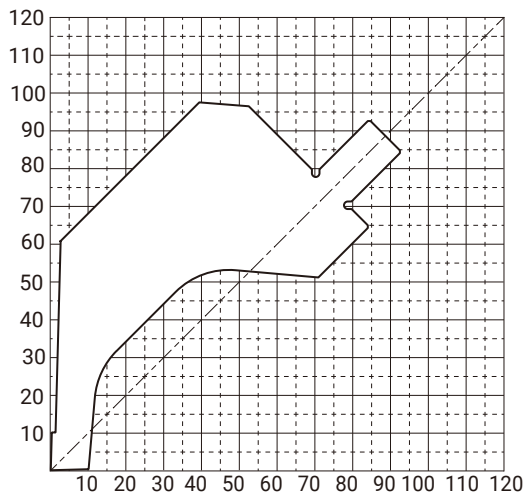
# GOOSENECK PUNCH

Material: **SCM440** Hardness: **HRC47 ± 3**

L: 835mm S: 415mm

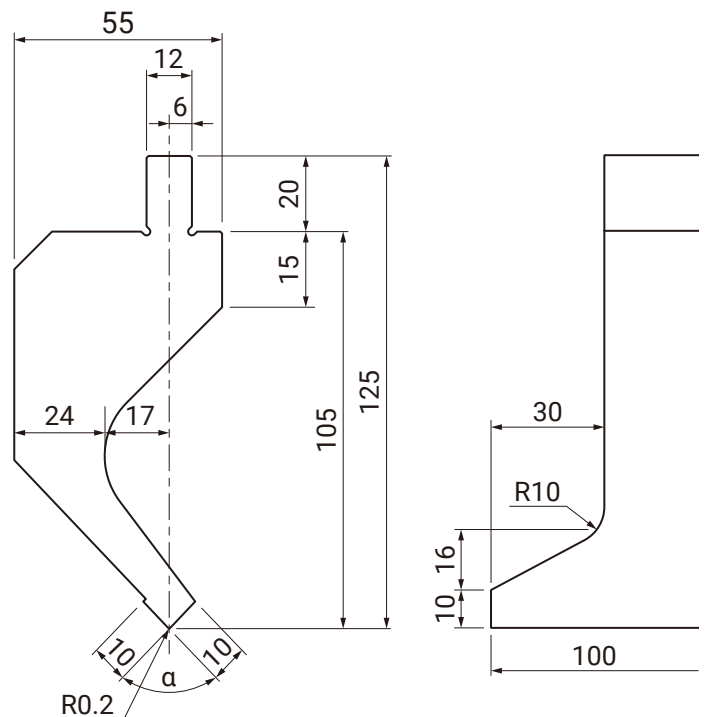
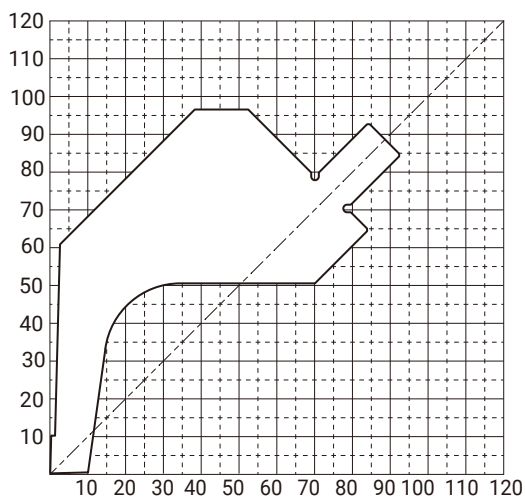
Sectioning TYP: 835mm

■ TPC



RIGHT AND LEFT EAR DIMENSION  
245KN/M 25TON/M

■ TPD



RIGHT AND LEFT EAR DIMENSION  
196KN/M 20TON/M

# SPECIAL SHAPE PUNCH

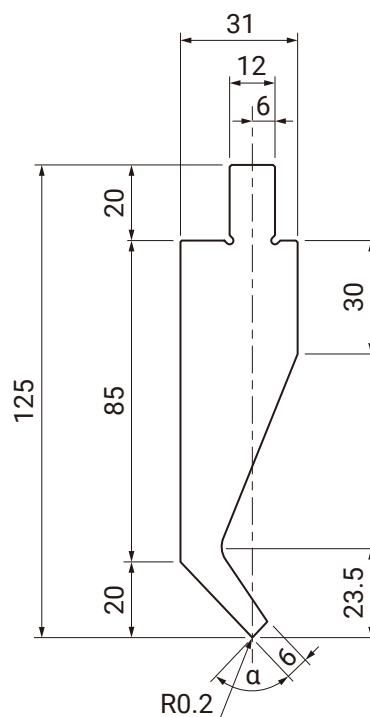
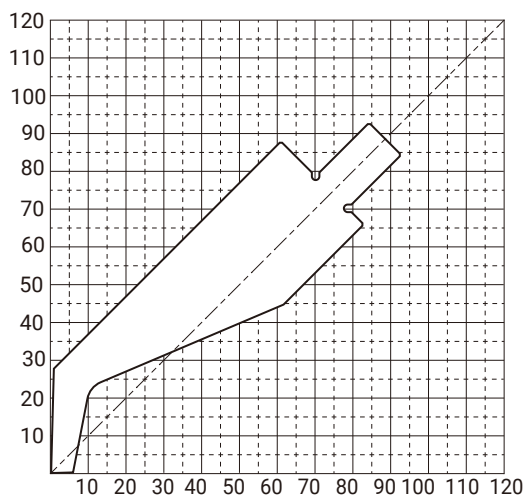
Material: **SCM440**      Hardness: **HRC47 ± 3**

L: 835mm    S: 415mm

Sectioning TYP: 835mm

Type	$\alpha$	R (mm)	Max	Product No.
	Angle		(ton/m)	
SPECIAL SHAPE PUNCH	87	0.2	40	SPB8702
			50	SPC8702
			40	SPD8702

■ SPB



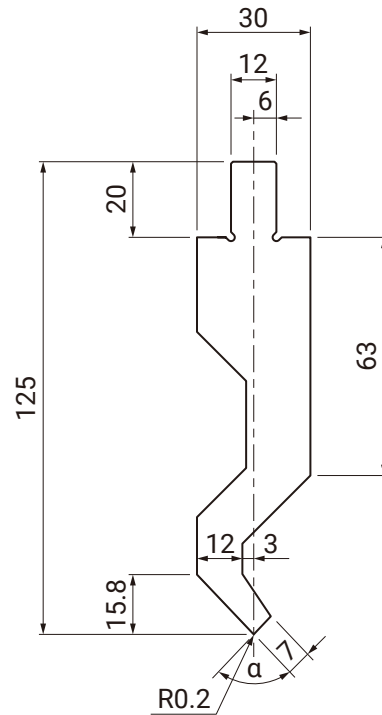
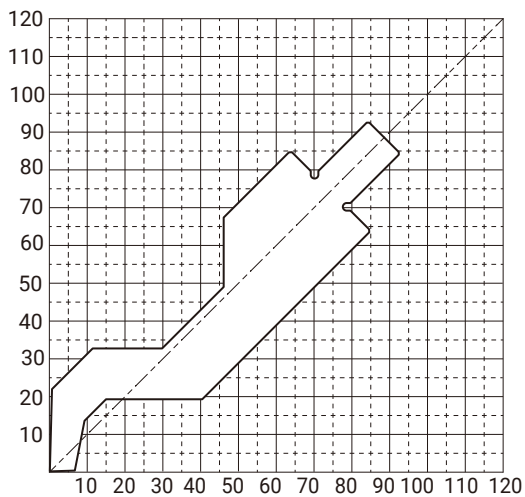
# SPECIAL SHAPE PUNCH

Material: **SCM440**      Hardness: **HRC47 ± 3**

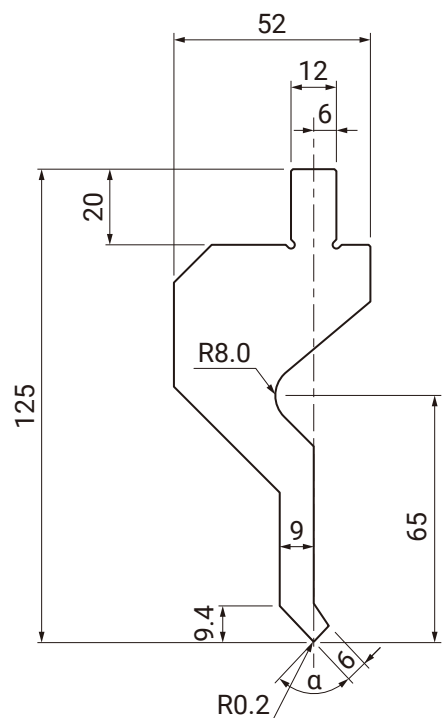
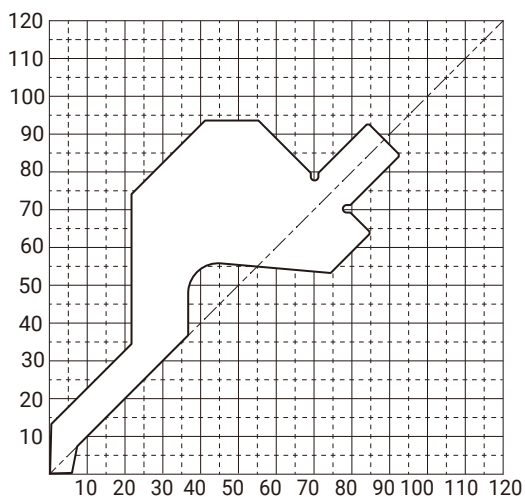
L: 835mm    S: 415mm

Sectioning TYP: 835mm

■ SPC



■ SPD



# STRAIGHT PUNCH

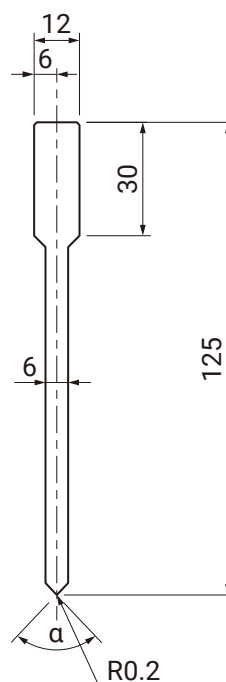
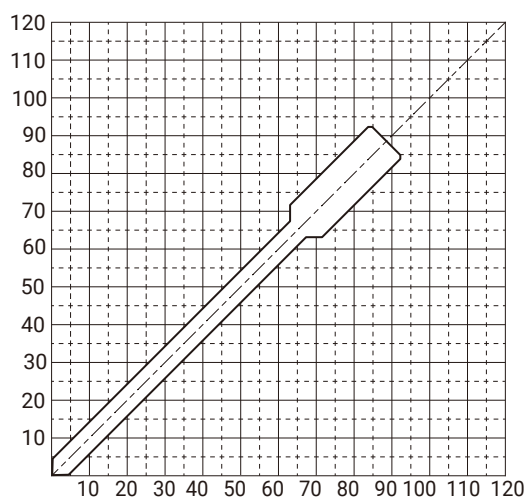
Material: **SCM440** Hardness: **HRC47 ± 3**

L: 835mm S: 415mm

Sectioning TYP: 835mm

Type	$\alpha$	R (mm)	Max (ton/m)	Product No.
	Angle			
STRAIGHT PUNCH	87	0.2	50	SPA8702
	85	3.0	100	STA8530
	90			STA9030
	40	0.5	50	STB4005

■ SPA





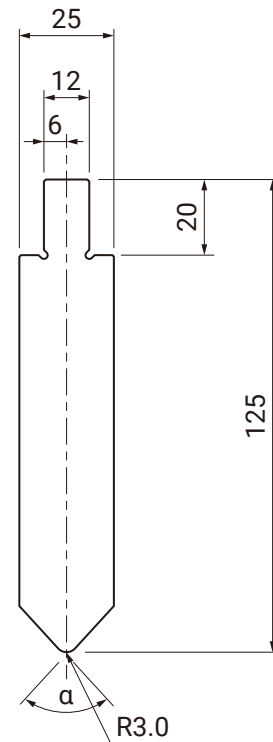
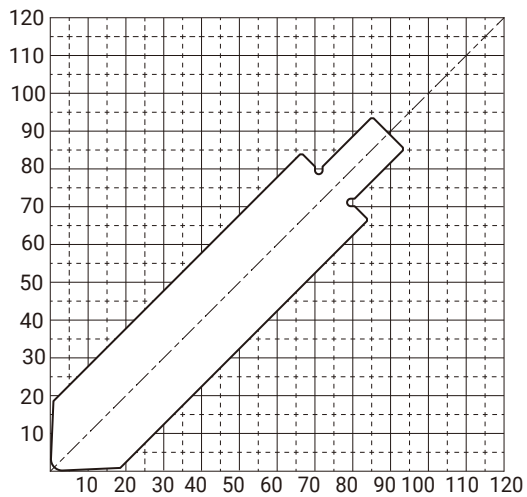
# STRAIGHT PUNCH

Material: **SCM440** Hardness: **HRC47 ± 3**

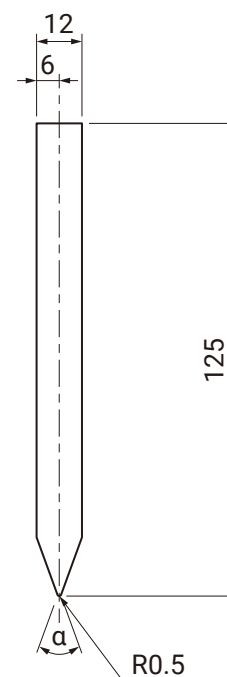
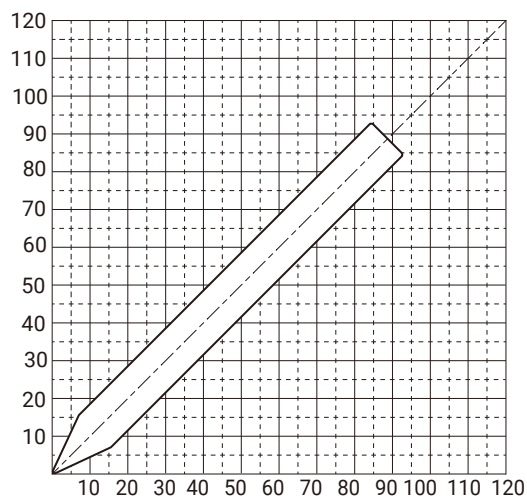
L: 835mm S: 415mm

Sectioning TYP: 835mm

■ STA



■ STB



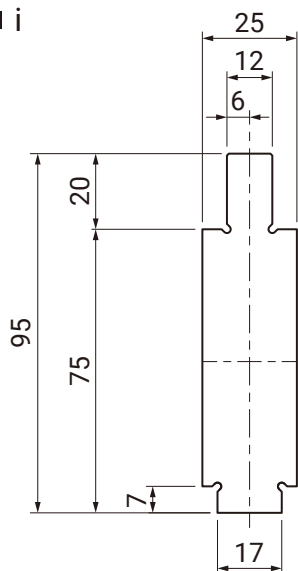
# SPECIAL PUNCH

Material: S50C Hardness: HRC25 ± 3

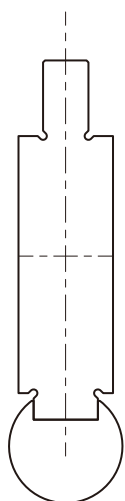
L: 835mm S: 415mm

Type	Parts name	R	Product No.	Shape
		(mm)		
PUNCH TIP TYPE	Holder	-	RPH00-00	i
	Punch tip	10	RTP00-10	ii
		15	RTP00-15	iii
		20	RTP00-20	iv
		25	RTP00-25	v
		30	RTP00-30	vi

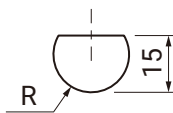
■ i



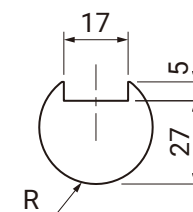
(Sample)



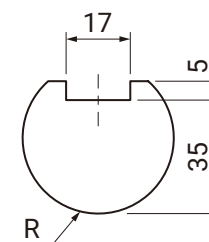
■ ii



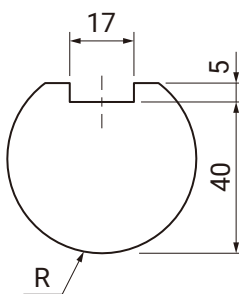
■ iii



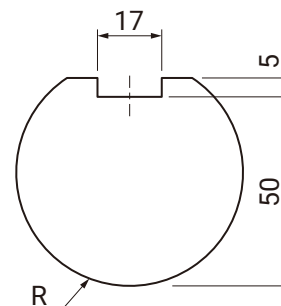
■ iv



■ v



■ vi



# MULTI DIE and DIE HOLDER

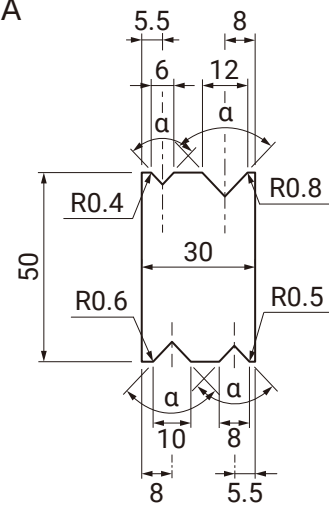
Material: **SCM440** Hardness: **HRC47 ± 3**

L: 835mm S: 415mm

Sectioning TYD: 835mm

Type	$\alpha$	Max (ton/m)	Product No.
	Angle		
MULTI 4V DIE	87	60	TDA4V87
	90		TDA4V90

■ TDA



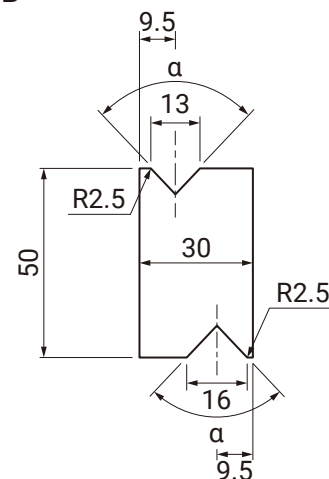
Material: **SCM440** Hardness: **HRC47 ± 3**

L: 835mm S: 415mm

Sectioning TYD: 835mm

Type	$\alpha$	Max (ton/m)	Product No.
	Angle		
MULTI 2V DIE	87	100	TDB2V87

■ TDB

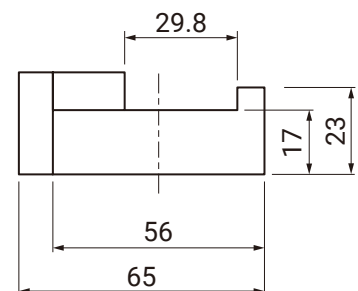


Material: **S50C** Hardness: **HRC25 ± 3**

L: 835mm S: 415mm

Type	Product No.
DIE HOLDER	DH00

■ DH



# 1V DIE

Material: **SCM440** Hardness: **HRC47 ± 3**

L: 835mm S: 415mm

Type	V	B	$\alpha$	R	Max	Product No.
	(mm)	(mm)	Angle	(mm)	(ton/m)	
1V DIE	8	12	87	1.5	85	SDA8708
	10	14	87	2	90	SDB8710
	13	17	87	2.5	100	SDC8713

Material: **SCM440** Hardness: **HRC47 ± 3**

L: 835mm S: 415mm

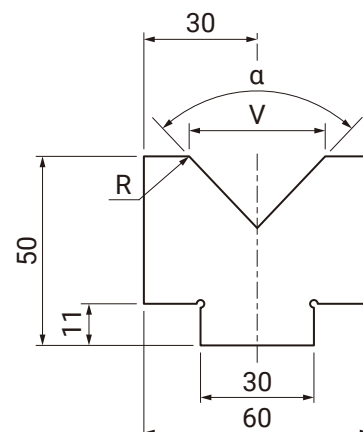
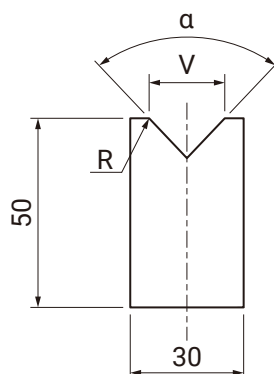
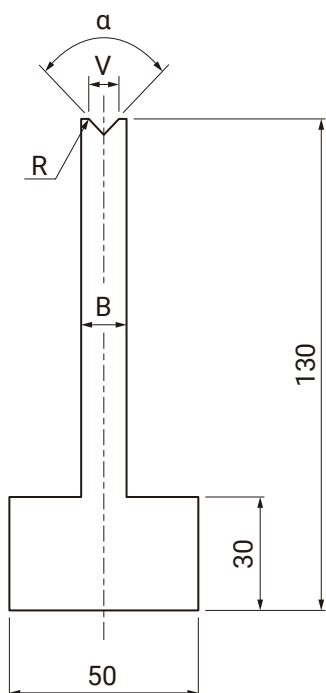
Sectioning TYD: 835mm

Type	V	$\alpha$	R	Max	Product No.
	(mm)	Angle	(mm)	(ton/m)	
1V DIE	20	87	3	100	TDC8720
	26	87			TDD8726
	36	85	4		TDE8536
	48	85			TDF8548

■ SDA / SDB / SDC

■ TDC / TDD

■ TDE / TDF



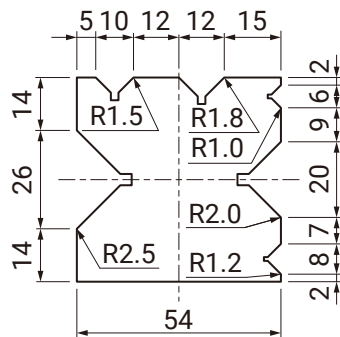
# MULTI DIE

Material: **SCM440** Hardness: **HRC47 ± 3**  
 L: 835mm S: 415mm

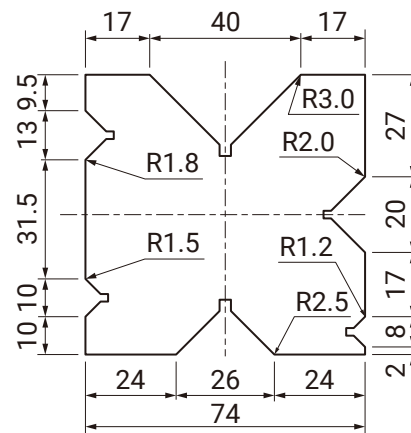
Note:  
 V GROOVE ANGLE  
 AND SHOULDER R  
 VALUE IS OPTIONAL

Type	Angle	Max	Product No.
		(ton/m)	
MULTI DIE	87	80	TBA87
	90		TBA90
	87	85	TBB87
	90		TBB90

■ TBA



■ TBB

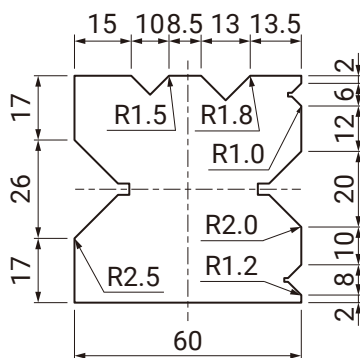


Material: **S50C (Induction hardening)** Hardness: **HRC25 ± 3**  
 L: 835mm S: 415mm

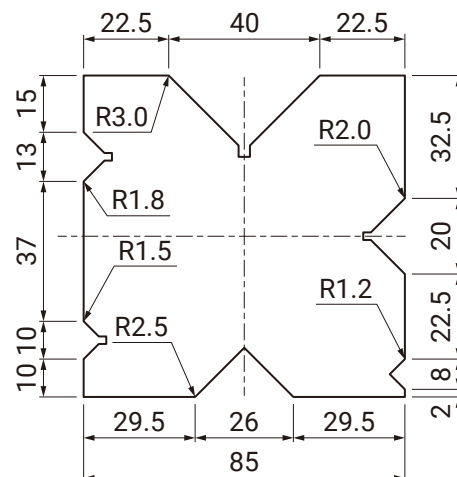
Note:  
 V GROOVE ANGLE  
 AND SHOULDER R  
 VALUE IS OPTIONAL

Type	Angle	Max	Product No.
		(ton/m)	
MULTI DIE	87	40	DC87
	90		DC90
	87		DD87
	90		DD90

■ DC



■ DD



# BEND CHART

t : Material thickness

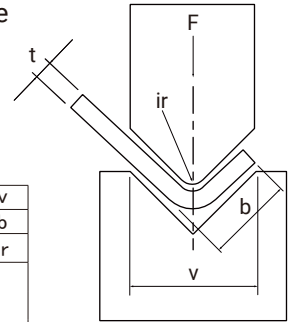
F : Pressure per 1m (kN/m)

b : Minimum length of flange

(Tensile Strength 450~500N/mm<sup>2</sup>)

ir : Radius of punch tip

v : Width of die



## For mild steel

t	4	6	7	8	10	12	14	16	18	20	25	32	40	50	63	80	100	125	160	200	250	v
(mm)	2.8	4	5	5.5	7	8.5	10	11	13.5	14	17.5	22	28	35	45	55	71	89	113	140	175	b
0.5	0.7	1	1.1	1.3	1.6	2	2.3	2.6	3	3.3	4	5	6.5	8	10	13	16	20	26	33	41	ir
0.6	60	40	40	40																		
0.8		70	70	50	40																	
1		110	100	80	70	60																
1.2			140	120	110	80	70	60														
1.4				150	130	110	100	90	80													
1.5				200	170	150	130	110	100	90												
1.6					170	150	130	110	100	90												
2						220	190	170	150	130	110											
2.3							250	230	190	170	150	120										
2.6								280	250	220	180	140										
3									340	300	240	190	150									
3.2										340	270	220	170	140								
3.5											330	260	200	160	130							
4											430	340	270	210	170							
4.5												440	340	270	210							
5												520	420	330	260	210						
6													600	480	380	300	240					
7														520	410	330	260					
9															670	540	430					
10															850	670	530	420				
12																960	780	600	550			
16																	1360	1070	860			
19																		1500	1250	1000		
20																		1700	1350	1080		
22																			1600	1300		
25																			2100	1700		
30																					2400	

F (kN)

## For stainless

t	4	6	7	8	10	12	14	16	18	20	25	32	40	50	63	80	100	125	160	200	250	v
(mm)	2.8	4	5	5.5	7	8.5	10	11	13.5	14	17.5	22	28	35	45	55	71	89	113	140	175	b
0.5	0.7	1	1.1	1.3	1.6	2	2.3	2.6	3	3.3	4	5	6.5	8	10	13	16	20	26	33	41	ir
0.6	60	50																				
0.7	120	80	80	60	60																	
0.8		110	110	80	70																	
0.9		130	120	100	90	70																
1		170	150	120	110	90																
1.2			210	180	150	120	110	90														
1.5				290	230	200	170	150	130	120												
2						330	290	260	230	200	170											
2.5								390	350	300	250	190										
3									510	450	360	290	230									
4										650	510	410	320	260								
5											780	630	500	390	320							
6												900	720	570	450	360						
8														1020	810	650	510					
10															1290	1010	800	630				
12																1440	1170	900	830			
15																	1800	1410	1140			
20																		2500	2080	1670		
25																			3150	2550		
30																					3600	

F (kN)

# Bending Tool Quote / Order Form

Date/ (MM) (DD) (YYYY)

Page  
/

**URL** www.conic.co.jp

**EMAIL** tools@conic.co.jp

CONIC's Person in charge:

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

Machine maker's name	Name of machine (for example: APB)	Machine spec
<input type="checkbox"/> TOYOKOKI <input type="checkbox"/> e.t.c ( )		CAPACITY : kN(ton) TABLE LENGTH : L = mm OPEN HEIGHT : H = mm

Tool Material	Series	Clamp Type		
<input checked="" type="checkbox"/> Japan - Type	<input checked="" type="checkbox"/> TOYOKOKI	<input checked="" type="checkbox"/> STANDARD TYPE	<input type="checkbox"/> OT TYPE	<input type="checkbox"/> A9 TYPE

Product No. (for example: TPA8702)	Quantity			Remarks
	L (835mm)	S (415mm)	Sectioning (835mm)	

◆ Please draw special shapes here.



## PRODUCT CATALOG

### TOYOKOKI TYPE

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#### 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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High Quality & Technology For  The Future

# CONIC

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Email: [tools@conic.co.jp](mailto:tools@conic.co.jp) | Website: [www.conic.co.jp](http://www.conic.co.jp)

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

Email: [conic\\_thai@conic.co.jp](mailto:conic_thai@conic.co.jp) | Website: [www.conic.co.jp/thai/](http://www.conic.co.jp/thai/)

Dealer