

Murata(Wiedemann) Tooling System



MAXIMA - POLSKA

MAXIMA POLSKA

ul. Trzech Kotwic 11j,
49-300 Brzeg

+48 601 983 521

+48 601 983 522

tel/fax : 077 411 88 76

a.wojczyszyn@maximapolska.com.pl

s.wojczyszyn@maximapolska.com.pl

info@maximapolska.com.pl

www.maximapolska.com.pl

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MAXIMA - POLSKA

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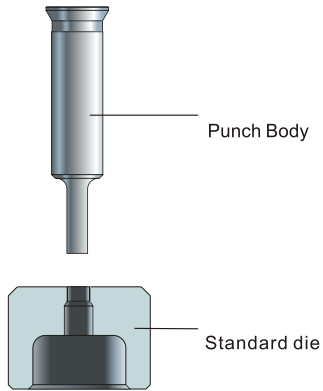
TURRET ACCESSORIES TOOLS ●





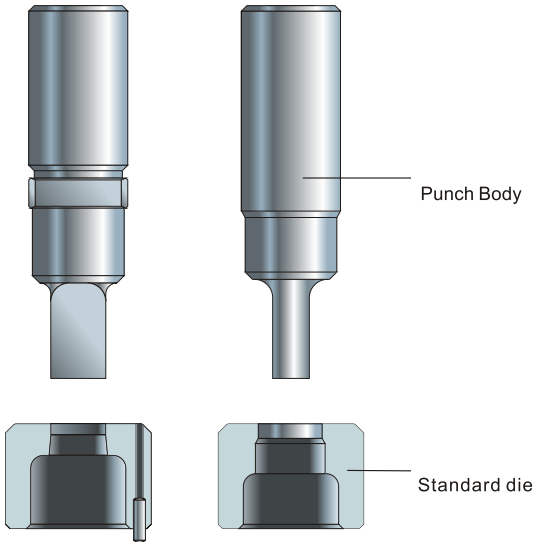
A Station (Within12.7mm Diameter)

Description	Round	Price
A Station Punch Body	WF010200	
B Station Die	WF020100	



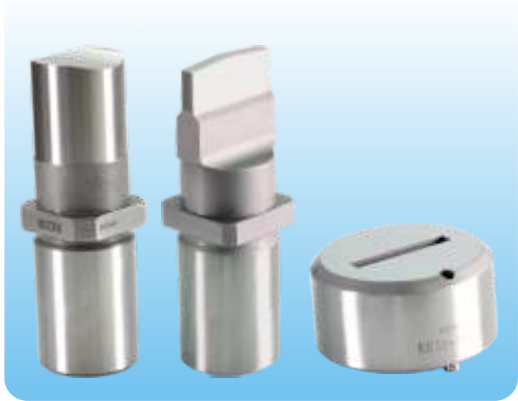
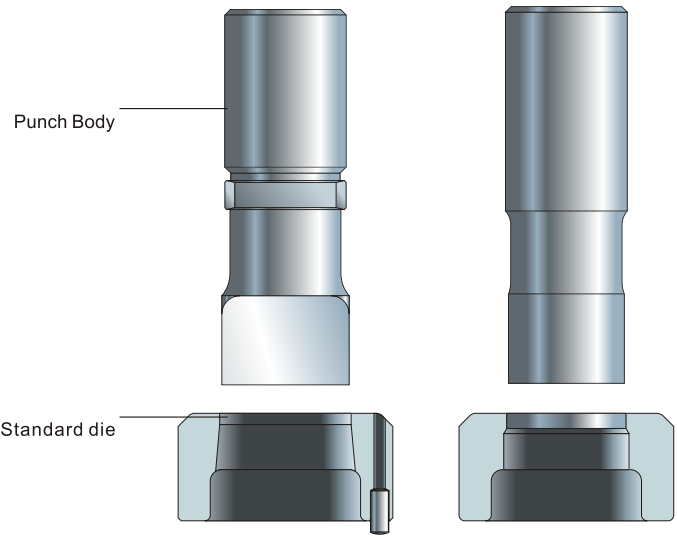
B Station (Within 25.4mm Diameter)

Description	Round	Price	Shape	Price
B Station Punch Body	WF020200		WF020201	
B Station Die	WF020100		WF020101	



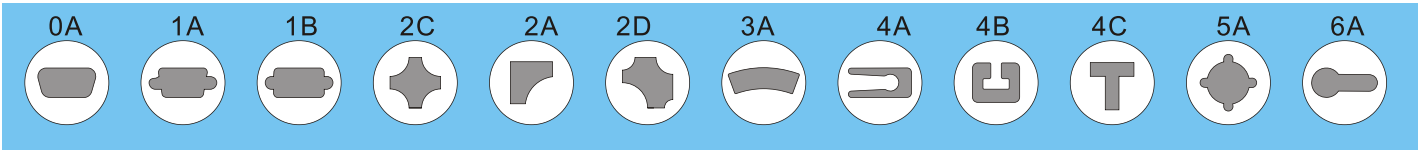
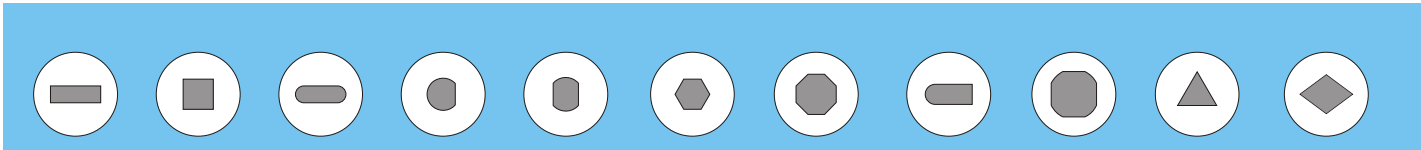
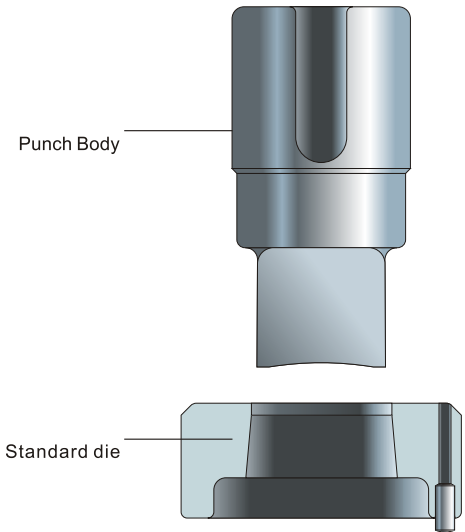
Description	Round	Price	Shape	Price
C Station Punch Body	WF030200		WF030201	
C Station Die	WF030100		WF030101	

C Station (Within38.1mm Diameter)



Description	Round	Price	Shape	Price
D Station Punch Body	WF040200		WF040201	
D Station Die	WF040100		WF040101	

D Station (Within50.8mm Diameter)



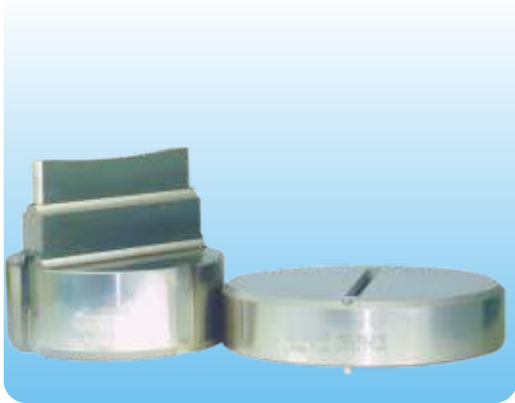


EIF Station (Within63.5\76.2mm Diameter)

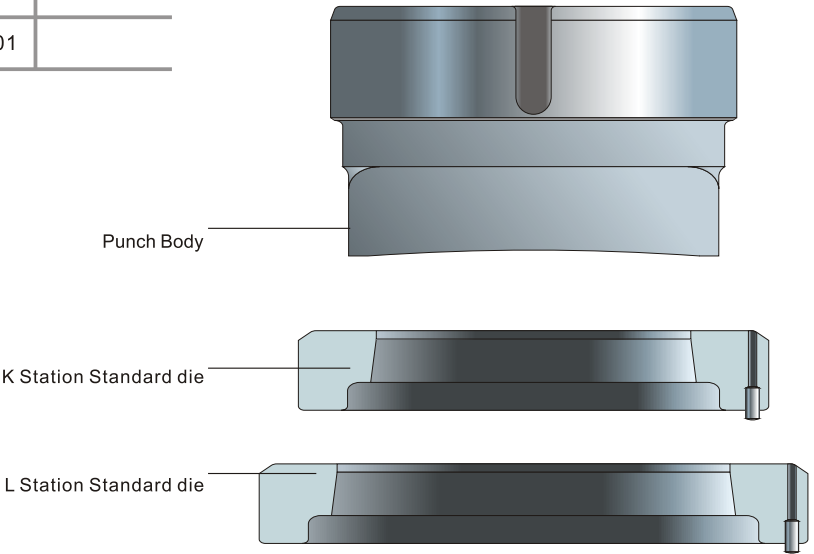
Description	Round	Price	Shape	Price
E Station Punch Body	WF050200		WF050201	
F Station Punch Body	WF060200		WF060201	
E Station Die	WF050100		WF050101	
F Station Die	WF060100		WF060101	



Description	Round	Price	Shape	Price
K Station Punch Body	WF100200		WF100201	
L Station Punch Body	WF110200		WF110201	
K Station Die	WF100100		WF100101	
L Station Die	WF110100		WF110101	



K/L Station (Within139.7\152.4mm Diameter)



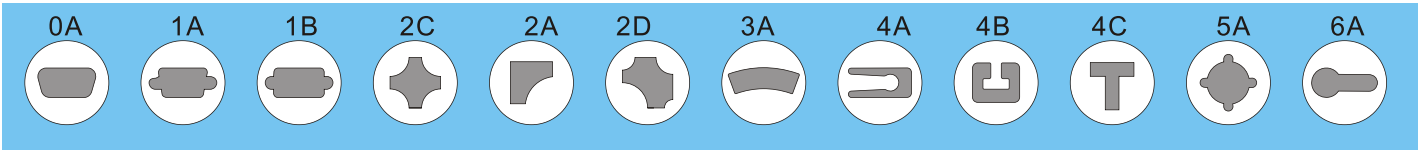
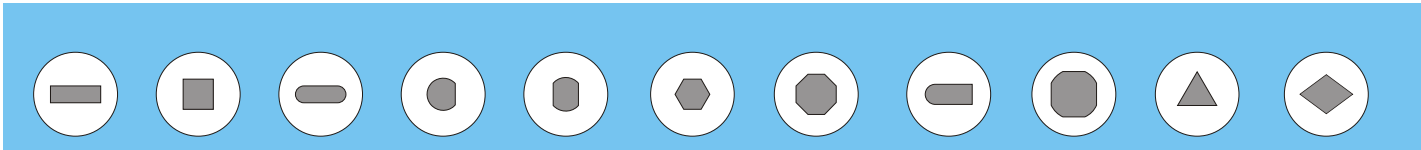
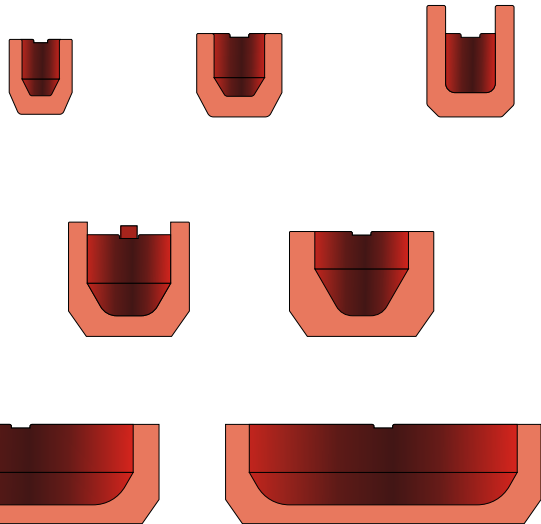
GIHJ Station (Within88.9\104.8\120.7mm Diameter)

Description	Round	Price	Shape	Price
G Station Punch Body	WF070200		WF070201	
H Station Punch Body	WF080200		WF080201	
J Station Punch Body	WF090200		WF090201	
G Station Die	WF070100		WF070101	
H Station Die	WF080100		WF080101	
J Station Die	WF090100		WF090101	



Description	Round	Price	Shape	Price
XA Station Stripper	WFX1UH00		\	
IA Station Stripper	WF11UH00		\	
B Station Stripper	WF02UH00		WF02UH01	
C Station Stripper	WF03UH00		WF03UH00	
D Station Stripper	WF04UH00		WF04UH01	
EIF Station Stripper	WF06UH00		WF06UH01	
GIHJ Station Stripper	WF09UH00		WF09UH01	
K/L Station Stripper	WF11UH00		WF11UH00	

Urethane Stripper





114 Standare Guide System

XA Station Guide



IA Station Guide



B Station Guide



C Station Guide



D Station Guide



E/F Station Guide



G/H/J Station Guide



Description	Code	Price
XA Station Guide	WFX10400	
IA Station Guide	WF110400	
B Station Guide	WF020400	
C Station Guide	WF030400	
D Station Guide	WF040400	
E/F Station Guide	WF060400	
G/H/J Station Guide	WF090400	

114 Index Station Guide System

IFIndex Guide



IF-B Index Guide



IF-C Index Guide

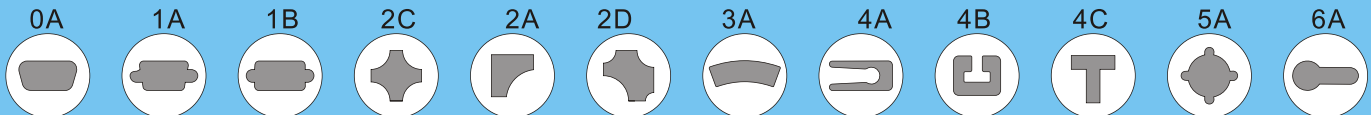


IF-D Index Guide



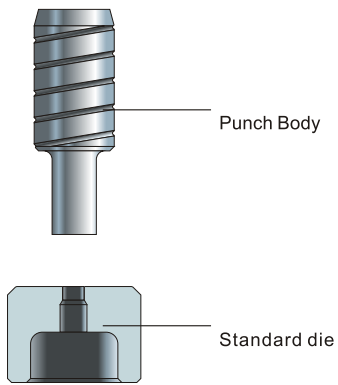
Description	Code	Price
IF Index Guide	WF0602IF	

Description	Code	Price
IF-B Index Guide	WF0202IF	
IF-B Die Adapters	WF0201IF	
IF-C Index Guide	WF0302IF	
IF-C Die Adapters	WF0301IF	
IF-D Index Guide	WF0402IF	
IF-D Die Adapters	WF0401IF	

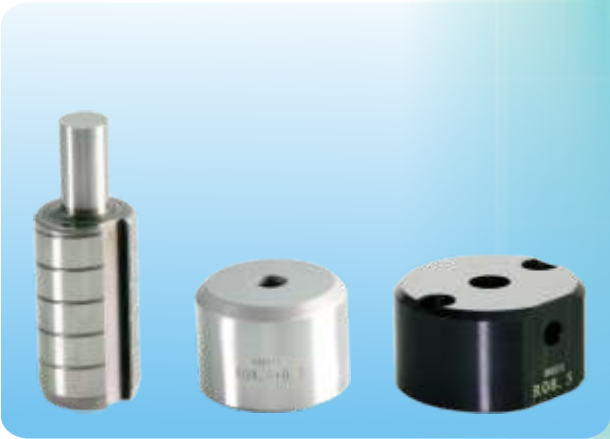




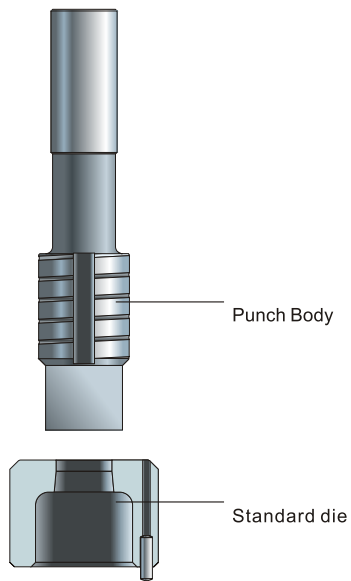
A Station (Within12.7mm Diameter)



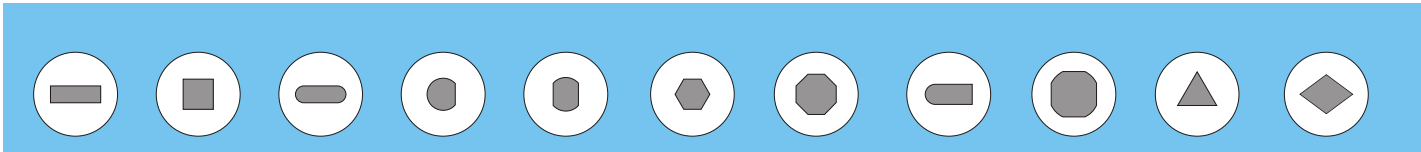
Description	Round	Price
A Station Punch Body	WV010200	
B Station Die	WF020100	
XA Station Stripper	WVX10600	



B Station (Within 25.4mm Diameter)



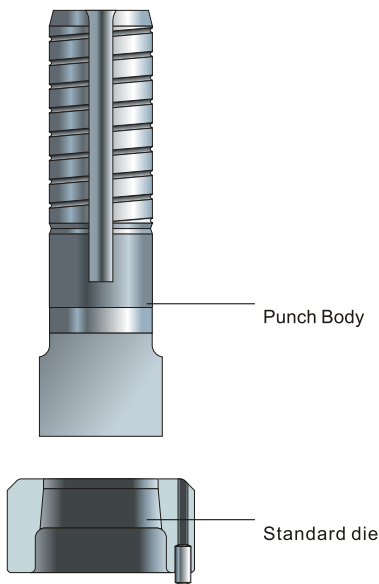
Description	Round	Price	Shape	Price
B Station Punch Body	WV020200		WV020201	
XB Station Punch Body	WVX20200		WVX20201	
B Station Die	WF020100		WF020101	
A/B Station Stripper	WV020600		WV020601	



Description	Round	Price	Shape	Price
C Station Punch Body	WV030200		WV030201	
C Station Die	WF030100		WF030101	
C Station Stripper	WV030600		WV030601	



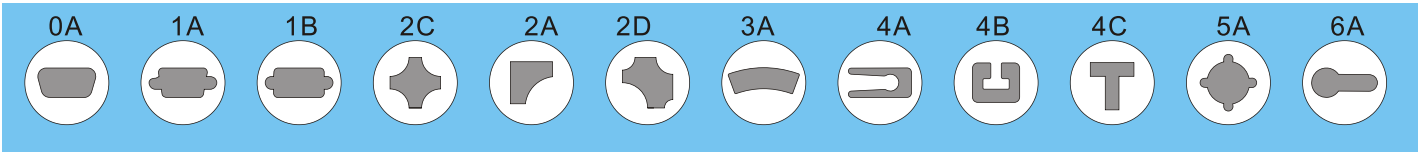
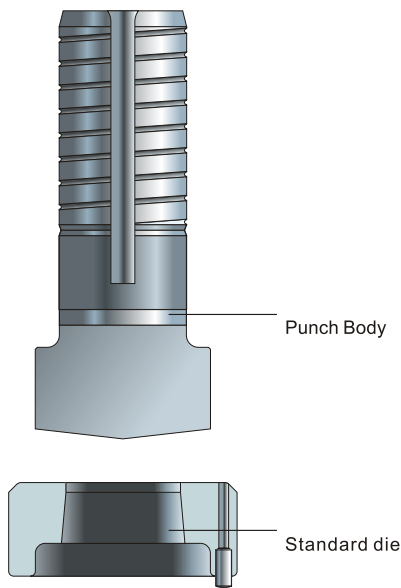
C Station (Within38.1mm Diameter)



Description	Round	Price	Shape	Price
D Station Punch Body	WV040200		WV040201	
D Station Die	WF040100		WF040101	
D Station Stripper	WV040600		WV040601	

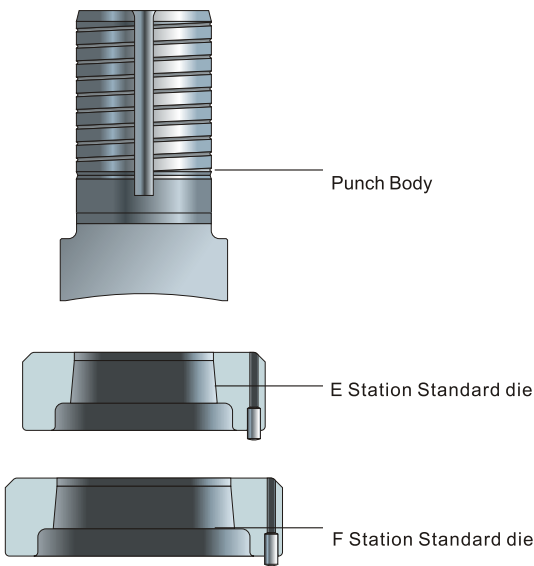


D Station (Within50.8mm Diameter)





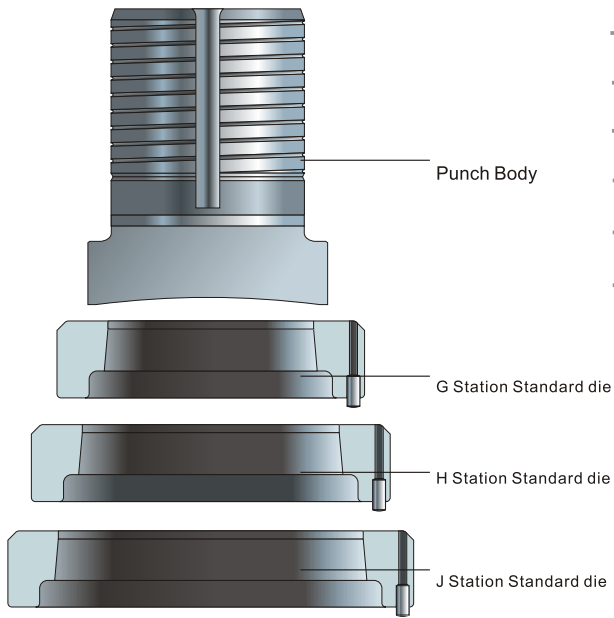
E/F Station (Within63.5\76.2mm Diameter)



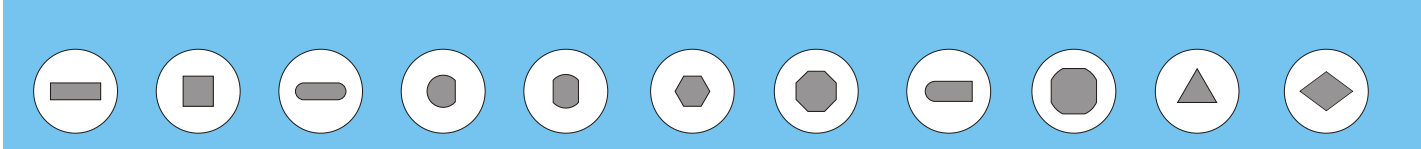
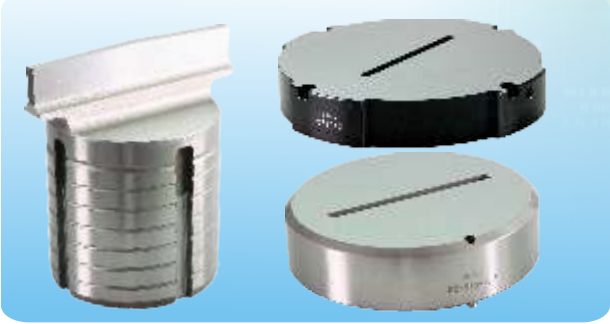
Description	Round	Price	Shape	Price
E Station Punch Body	WV050200		WV050201	
F Station Punch Body	WV060200		WV060201	
	WF050100		WF050101	
	WF060100		WF060101	
E/F Station Stripper	WV060600		WV060601	



G/H/J Station (Within88.9\104.8\120.7mm Diameter)

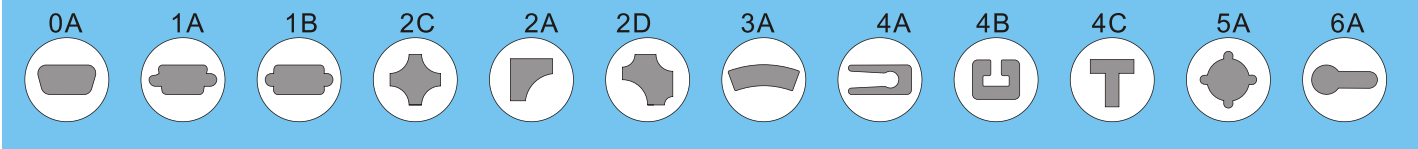
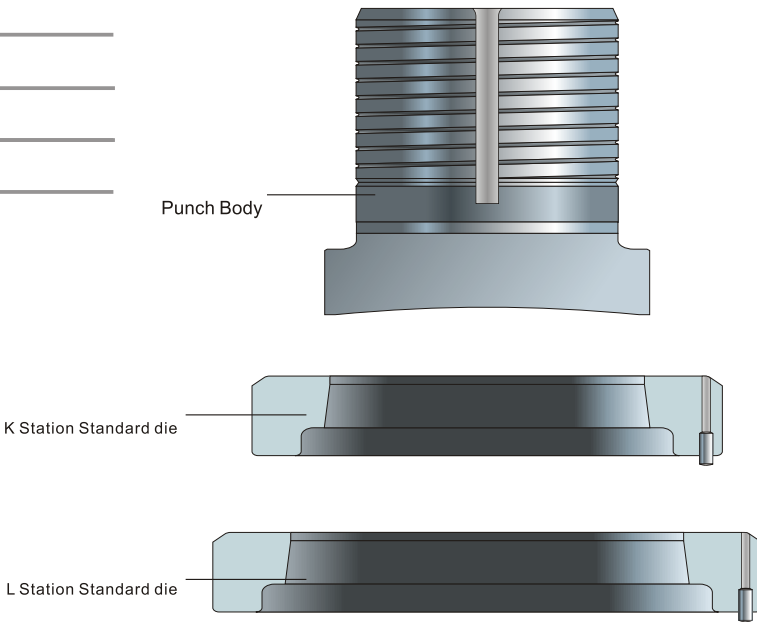


Description	Round	Price	Shape	Price
G Station Punch Body	WV070200		WV070201	
H Station Punch Body	WV080200		WV080201	
J Station Punch Body	WV090200		WV090201	
G Station Die	WF070100		WF070101	
H Station Die	WF080100		WF080101	
J Station Die	WF090100		WF090101	
G/H/J Station Stripper	WV090600		WV090601	



Description	Round	Price	Shape	Price
K Station Punch Body	WV100200		WV100201	
L Station Punch Body	WV110200		WV110201	
K Station Die	WF100100		WF100101	
L Station Die	WF110100		WF110101	
K/L Station Stripper	WV110600		WV110601	

K/L Station (Within139.7\152.4mm Diameter)





Vulcan Standare Guide System

XA Station Guide



A/B Station Guide



C Station Guide



D Station Guide



E/F Station Guide



G/H/J Station Guide



Description	Code	Price
XA Station Guide	WVX10400	
A/B Station Guide	WV020400	
C Station Guide	WV030400	
D Station Guide	WV040400	
E/F Station Guide	WV060400	
G/H/J Station Guide	WV090400	



Vulcan Index Guide System

IF Index Guide



Description	Code	Price
IF Index Guide	WV0602IF	

IF-B Index Guide



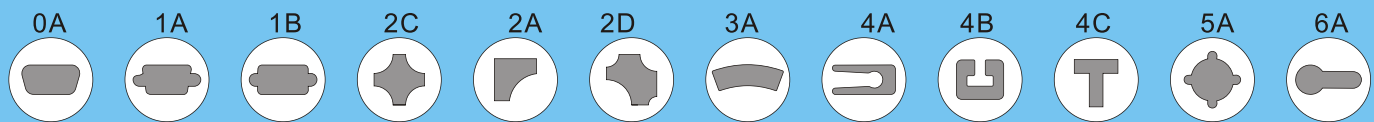
IF-C Index Guide



IF-D Index Guide



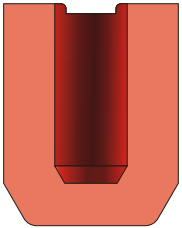
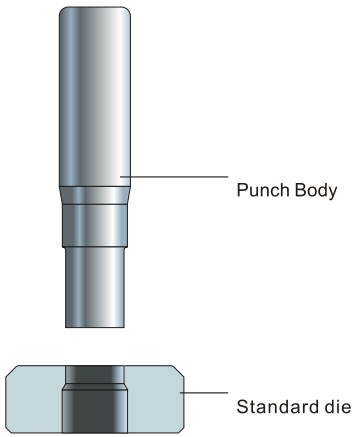
Description	Code	Price
IF-B Index Guide	WV0202IF	
IF-B Die Adapters	WV0201IF	
IF-C Index Guide	WV0302IF	
IF-C Die Adapters	WV0301IF	
IF-D Index Guide	WV0402IF	
IF-D Die Adapters	WV0401IF	





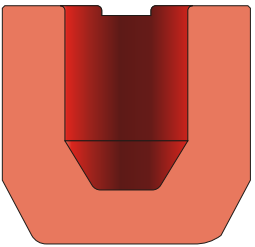
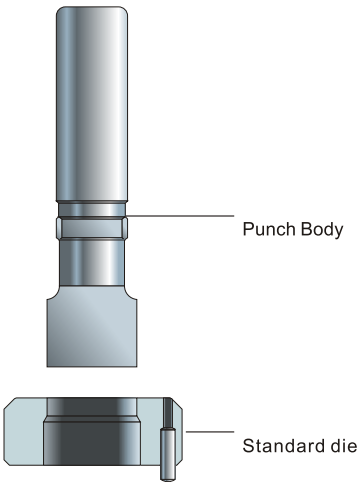
A Station (Within12.7mm Diameter)

Description	Round	Price
A Station Punch Body	WT010200	
B Station Die	WT020100	
Urethane Stripper	WT01UH00	

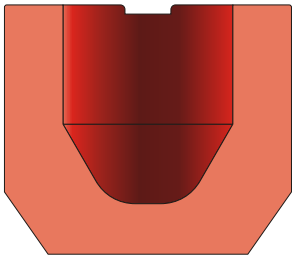


B Station (Within 25.4mm Diameter)

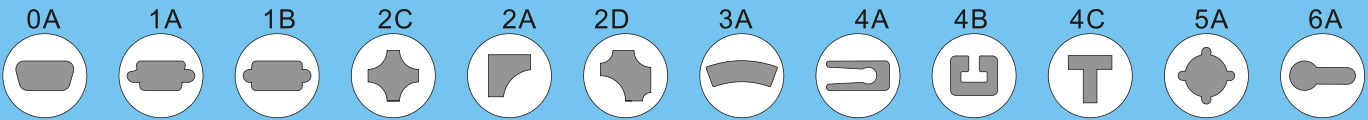
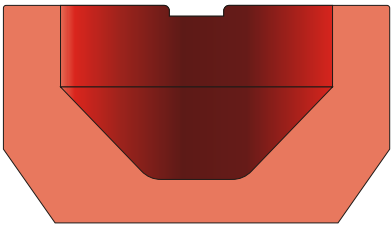
Description	Round	Price	Shape	Price
B Station Punch Body	WT020200		WT020201	
B Station Die	WT020100		WT020101	
Urethane Stripper	WT02UH00		WT02UH01	



Description	Round	Price	Shape	Price
C Station Punch Body	WT030200		WT030201	
C Station Die	WT030100		WT030101	
Urethane Stripper	WT03UH00		WT03UH01	



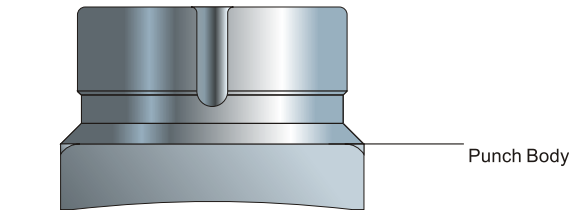
Description	Round	Price	Shape	Price
D Station Punch Body	WT040200		WT040201	
D Station Die	WT040100		WT040101	
Urethane Stripper	WT04UH00		WT04UH01	



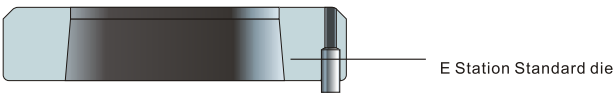


EVF Station (Within63.5\76.2mm Diameter)

Description	Round	Price	Shape	Price
E Station Punch Body	WT050200		WT050201	
F Station Punch Body	WT060200		WT060201	
E Station Die	WT050100		WT050101	
F Station Die	WT060100		WT060101	
Urethane Stripper	WT06UH00		WT06UH01	



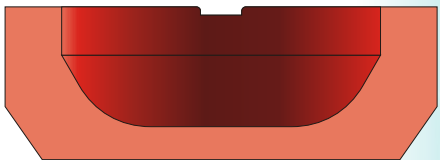
Punch Body



E Station Standard die

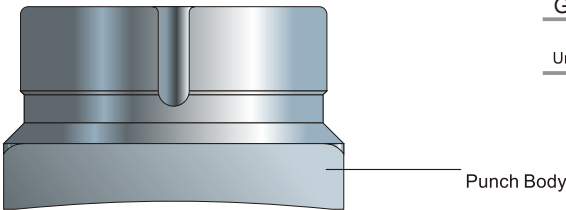


F Station Standard die



G Station (Within88.9mm Diameter)

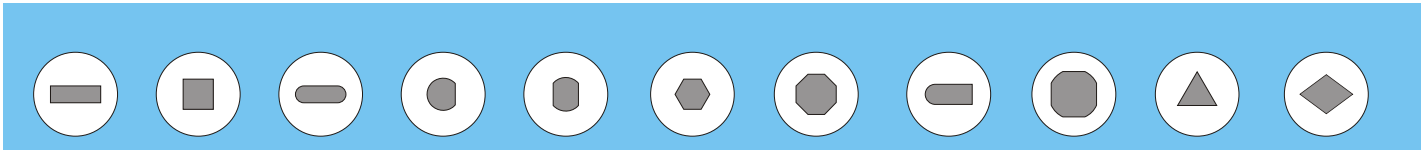
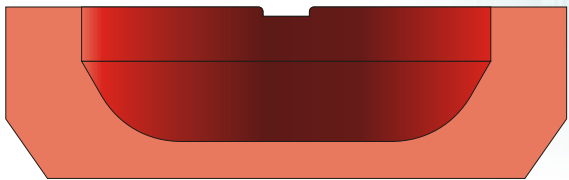
Description	Round	Price	Shape	Price
G Station Punch Body	WT070200		WT070201	
G Station Die	WT070100		WT070101	
Urethane Stripper	WT07UH00		WT07UH01	



Punch Body



Standard die



SPECIAL ASSEMBLIES INTRODUCTION

(Countersink)

(Form:Round&Shape)



(Form:up&down)

(CenterPoint)

(Form:Round)



(Form:up&down)

(Extrusion)

(Form:Round&Shape)



(Form:up&down)

(EmbossContinuous)

(Form:Shape)



(Form:up&down)

(CardGuide)

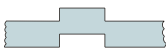
(Form:Shape)



(Form:up)

(ShearButton)

(Form:Round&Shape)



(Form:up&down)

(Bridge)

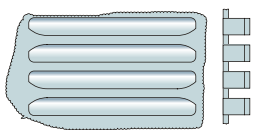
(Form:Shape)



(Form:up&down)

ouble ridge

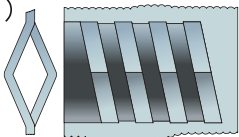
(Form:Shape)



(Form:up&down)

(ThreadLoop)

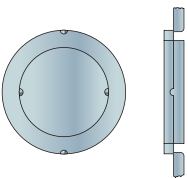
(Form:Shape)



(Form:up&down)

(Knockout)

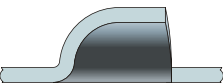
(Form:Round&Shape)



(Form:up&down)

(Louver)

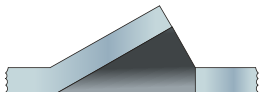
(Form:Shape)



(Form:up)

Opened countersink

(Form:Shape)



(Form:up)

(LanceAndForm)

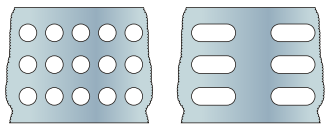
(Form:Round&Shape)



(Form:up&down)

(Cluster)

(Form:Round&Shape)



(Form:Punch)

(PierceEmboss)

(Form:Round&Shape)



(Form:up&down)

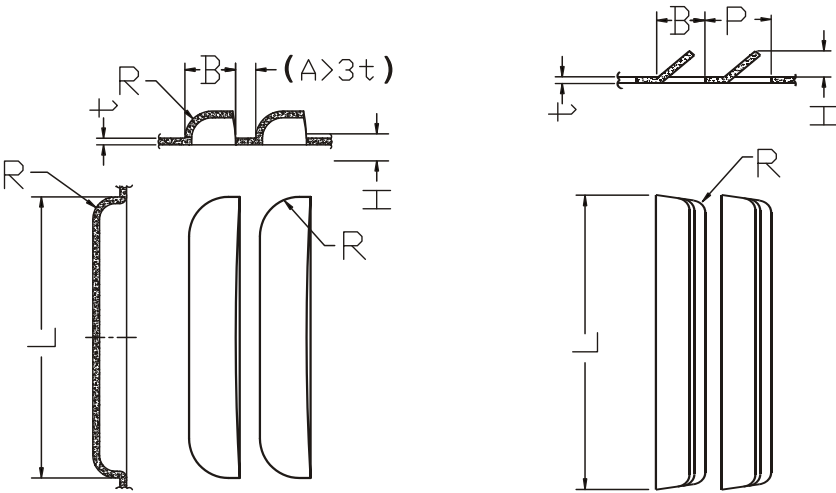
(EmbossColdForged)

(Form:Shape)

(Form:up&down)



Louver (Form-up)



(Relative information)

Equipment and model _____
Mould type _____
The type of material being processed _____
Requested station _____

(Order parameters)

*L _____
*B _____
*H _____
*P _____
*t _____

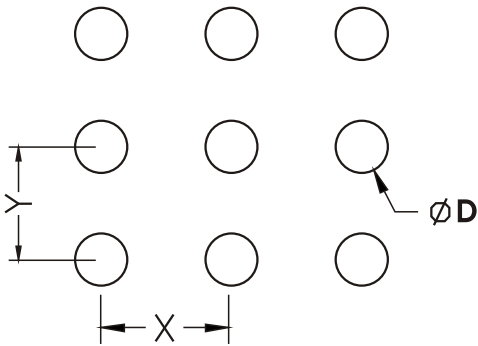
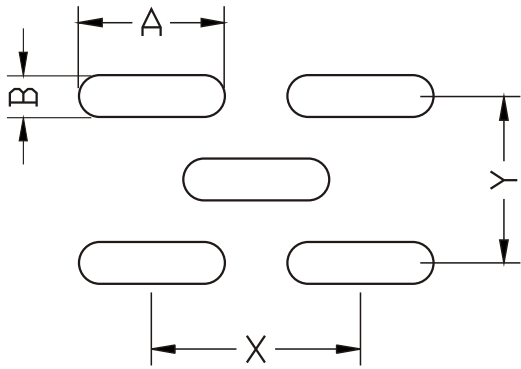
(Notices)

The height of molding is higher, the phenomenon of " reverse pulling " is more serious.

For panels that are smaller than 1.2, the Rc should be over 10mm so as to prevent the angle from splitting.

The interval space (A) for non-molding should not be less than 3 times of the panel thickness.

Cluster tools



(Relative information)

Equipment and model _____
Mould type _____
The type of material being processed _____
Requested station _____

(Order parameters)

*t _____
*A _____
*B _____
*X _____
*Y _____
*ØD _____

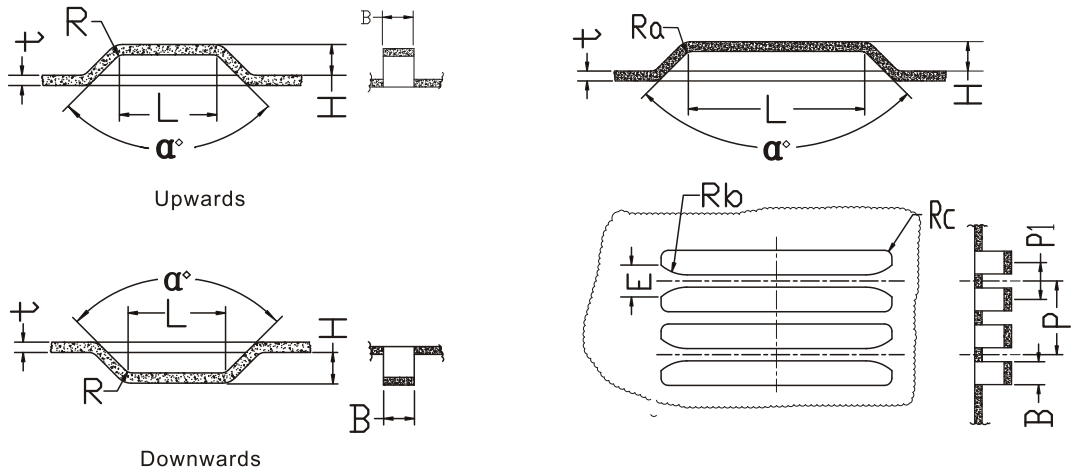
(Notices)

The minimum distance between two holes is 3.2mm, or double the thickness of the material;
The punching pitch must be bigger than the size of the hole;

According to customer request, besides cluster punch with replacement inserts, one-piece clusters with full station range capacity are also available.



Bridge (Form-Up/Down)



(Relative information)

Equipment and model _____

Mould type _____

The type of material being processed _____

Requested station _____

Order parameters

*B _____ *Ra _____

*H _____ *Rb _____

*L _____ *Rc _____

*E _____ *t _____

*P _____ a° _____

*P1 _____ *R _____

(Notices)

The proportion between theoretical bridge wideness and panel thickness is over 1.25:1.

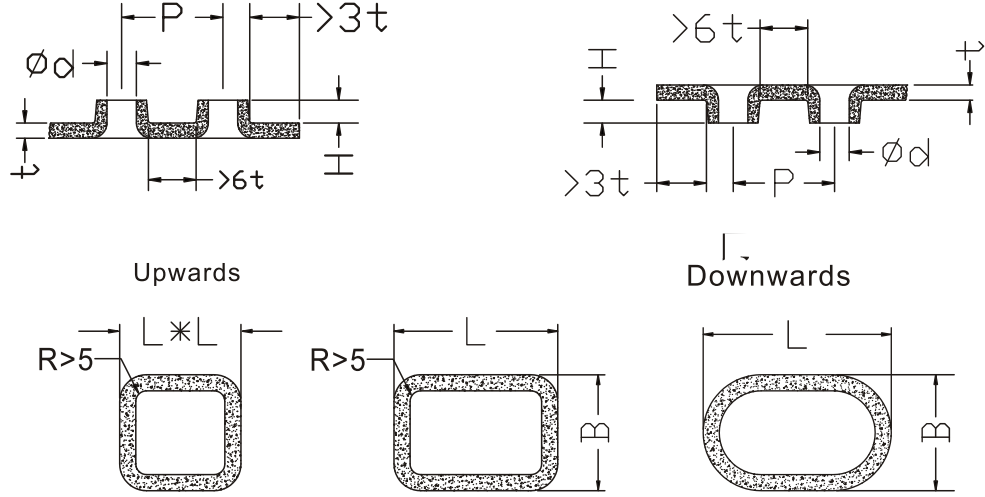
Difficulty will be increased when the bridge wideness is less than 2mm.

The moulds are made according to the panels provided by customers. Therefore, it is not advised to process different panels simultaneously.

Show clearly the smallest distance between the bridge-shape.



Extrusion (Form-Up/Down)



(Relative information)

Equipment and model _____

Mould type _____

The type of material being processed _____

Requested station _____

(Order parameters)

*H _____ *L _____

*t _____ *P _____

*Ød _____ *B _____

(Notices)

The parts of flanging dies belong to the thinned stretching area.

At the mouth of flanging dies bears a slight slope.

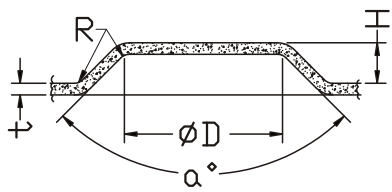
It needs process punch before flanging.

It depends to design punch flanging compound dies.

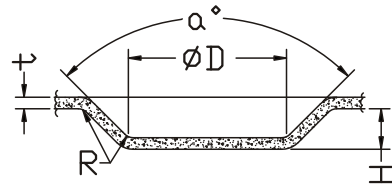
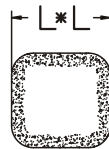




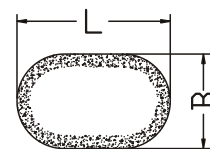
Emboss (Form-Up/Down)



Upwards molding



Downwards molding



(Relative information)

Equipment and model _____

Mould type _____

The type of material being processed _____

Requested station _____

(Order parameters)

* ϕD _____ *t _____

*R _____ α° _____

*H _____ *L _____

*B _____

(Notices)

Reasonable angle and round angle ensure a better molding.

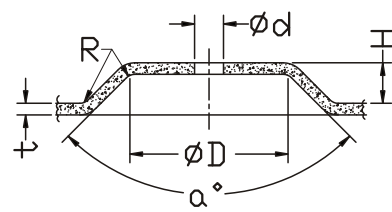
The special height, angle and round angle will enhance the stress of materials.

For those higher and deeper moldings, the materials should be smooth or lubricate the panels when processing.

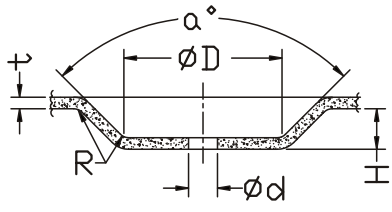
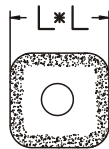
The reasonable angle should be 90 degree.

The optimal height of the molding is less than 3 times of the thickness of the panel.

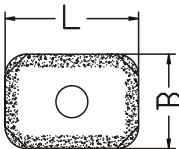
PierceEmboss Multitooling (Form-Up/Down)



Upwards molding



Downwards molding



(Relative information)

Equipment and model _____

Mould type _____

The type of material being processed _____

Requested station _____

(Order parameters)

* ϕD _____ *t _____

*R _____ α° _____

*H _____ *L _____

* ϕd _____ *B _____

(Notices)

Reasonable angle and round angle ensure a better molding.

The special height, angle and round angle will enhance the stress of materials.

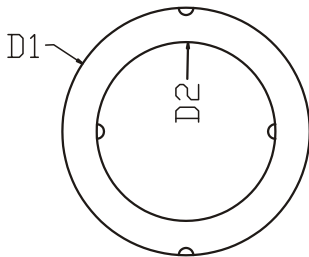
For those higher and deeper moldings, the materials should be smooth or lubricate the panels when processing.

The reasonable angle should be 90 degree.

The optimal height of the molding is less than 3 times of the thickness of the panel.

In order to prevent weakening the intensity of lowering mould when punching, it should be ensured that $\phi D > 5t + \phi d$.

Knockout/EKO'S(Form-Up/Down)



(Relative information)

Equipment and model _____

Mould type _____

The type of material
being processed _____

Requested station _____

(Order parameters)

*t _____

* ∅D1 (D2) _____

(Notices)

While using, the panels that are thicker than the ordered thickness of mould can not be processed.

The height for molding will be one mould higher. In case of leaving out position, a matching flush-trim die should be simultaneously ordered.

Indicate clearly the molding direction while ordering.

Multiple Knockout hole can be ordered.



Turret Alingment Tools

Description	114 System	Price	VULCAN System	Price
XA Station	WF010000		WV010000	
B Station	WF020000		WV020000	
C Station	WF030000		WV030000	
D Station	WF040000		WV040000	
E Station	WF050000		WV050000	
F Station	WF060000		WV060000	
Gstation	WF070000		WV070000	
H Station	WF080000		WV080000	
J Station	WF090000		WV090000	



Description	114 System	Price	VULCAN System	Price
IF	WFSCIF06		WVSCIF06	
IF-B	WFSCIF02		\	
IF-C	WFSCIF02		\	
IF-D	WFSCIF06		WVSCIF06	

Index Station Conversion Screw

