

MURATA WIEDEMANN TOOLING SOLUTIONS



STANDARDS & SPECIALS

THE WILSON TOOL DIFFERENCE



Company Overview

From humble beginnings in a small manufacturing facility in St. Paul, Minnesota, Wilson Tool International has added innovation, tooling divisions, manufacturing facilities and sales channels around the world to better serve thousands of global customers. Throughout our expansion, our mission has never wavered — we continue to offer products and services that help you, our customers, to be more successful.

Innovation is key at Wilson Tool International. It's true what they say: no two jobs are the same. In manufacturing, change is the only constant. So working with a press brake tooling supplier that's flexible, nimble and knowledgeable is important.

Wilson Tool International continues to invest in your success. We now have more than 50 sales engineers in North America available to answer questions and suggest innovative solutions to save you time and money.

And be assured, with every order, you'll always get our quality guarantee: Your success is our priority. If you're ever unsatisfied with a Wilson Tool International product, we'll do everything we can to make it right and keep you up and running.

From all of us at Wilson Tool International, thank you for the trust you have placed in us to provide you with the products and services that support your business. We look forward to our partnership in the future.

Sincerely,
Brian Robinson
CEO of Wilson Tool Enterprises

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Terms and Conditions

ORDER

Minimum order is \$50.00.

CREDIT REQUIREMENTS

All orders are subject to approval by our Credit Department. If you are a new account, please furnish us with your tax exempt status, a bank reference, three current supplier references and/or your current D&B rating with your first order. A credit limit will be imposed on new accounts until credit has been established.

PAYMENT TERMS

Terms are net 10 days. Catalog prices are subject to change without notice.

FREIGHT

Orders are shipped F.O.B. from our manufacturing facility. (International Shipments are Incoterms: Ex Works).

ORDER CANCELLATION

In the event an order is cancelled, an additional charge will be assessed to cover the cost of labor and material.

RETURNED MATERIAL

A handling/restocking fee will be applied to all products returned for credit. A return authorization number and shipping instructions must be obtained in advance before an item can be returned.

CLAIMS

All claims or product shortages must be made within 30 days of the invoice date.

HP GUIDE ASSEMBLIES



For 112 & 114 Style Tooling

Features and Benefits:

- Accepts standard 112 and 114 Style Wiedemann tooling.
- Push button length adjustment in .005 increments. (XB Assembly does not have the above feature)
- Punches are self-stripping and guided.
- Utilizes a steel stripper retention system (no tools required).

Wilson Tool's HP Guide Assemblies fit the following machines:

Centrum 3000, 3500
Magnum 2125, 5000
Vectrums
Motorums
Wiedematic 3050, 4560

Accessories

Catalog #23533 (1/4" T-handle hex wrench)

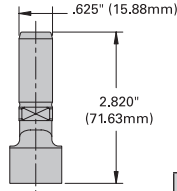
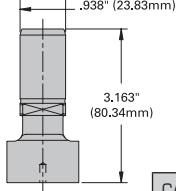
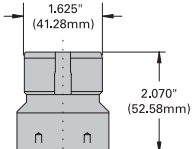
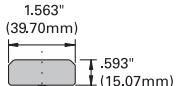
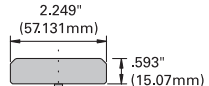
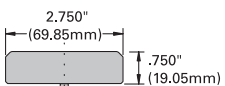
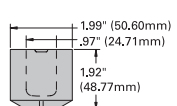
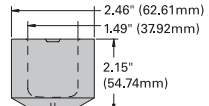
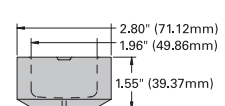
Used on:

114 XB thru GHJ Assembly
112 XB thru EF Assembly

DESCRIPTION	CAT. NO.	PRICE
XB 112 Style HP Guide Assembly	22517	
XB 114 Style HP Guide Assembly*	22500	
Thread Adapter 5/16-18 to 1/2-13	22535	
B 112 Style HP Guide Assembly	22514	
B 114 Style HP Guide Assembly*	22513	
Thread Adapter 5/16-18 to 1/2-13	22535	
C 112 Style HP Guide Assembly	22591	
C 114 Style HP Guide Assembly	22592	
D 112 Style HP Guide Assembly**	22613	
D-AI 112 Style HP Guide Assembly (3.375" O.D.)	22617	
D 114 Style HP Guide Assembly**	22616	
D-AI 114 Style HP Guide Assembly (3.375" O.D.)	22618	
D-AI Lifter Button Assembly (set of 4)	22596	
EF 112 Style HP Guide Assembly (4.562" O.D.)	22536	
F-AI 112 Style HP Guide Assembly (4.172" O.D.)	22563	
EF 114 Style HP Guide Assembly (4.562" O.D.)	22537	
F-AI 114 Style HP Guide Assembly (4.172" O.E.)	22562	
GHJ 114 Style HP Guide Assembly (5.937" O.D.)	22595	

* Uses thread adapter

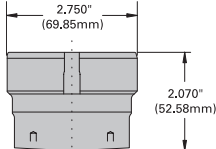
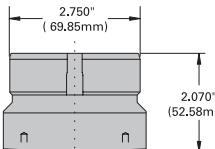
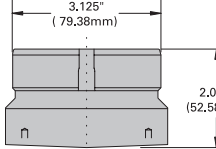
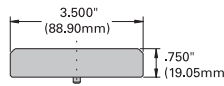
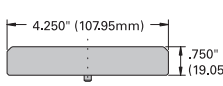
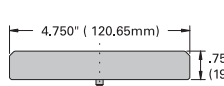
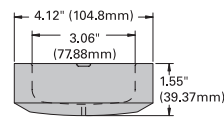
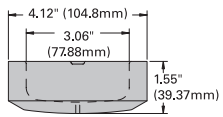
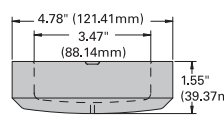
** Assembly can be converted to Auto-Index by adding catalog #22596

	B STATION UP TO 1.000" (25.4MM)	C STATION 1.001 - 1.500" (25.4 - 38.1MM)	D STATION 1.501- 2.000" (38.1 - 50.8MM)
PUNCH	 CAT. NO. PRICE	 CAT. NO. PRICE	 CAT. NO. PRICE
	Round	Round	Round
	Shape	Shape	Shape
	Shape Punch 0° & 45°	Shape Punch 0° & 45°	Optima®
	Optima®	Optima®	
DIE	 CAT. NO. PRICE	 CAT. NO. PRICE	 CAT. NO. PRICE
	Round Slug Hugger® 2°	Round Slug Hugger® 2°	Round Slug Hugger® 2°
	Round Standard	Round Standard	Round Standard
	Shape Slug Hugger® 2°	Shape Slug Hugger® 2°	Shape Slug Hugger® 2°
	Shape Positive	Shape Positive	Shape Positive
	Shape Positive 0° & 45°		
	Shape Slug Hugger® 2° 0° & 45°		
STRIPPER	 CAT. NO. PRICE	 CAT. NO. PRICE	 CAT. NO. PRICE
	HP Round	HP Round	HP Round
	HP Round for XB	HP Shape	HP Shape
	HP Shape	Standard	Standard
	Standard		≤ 1/8" (3.2mm) R
	≤ 1/8" (3.2mm) RT		≤ 1/2" (12.7mm) RT
			1" (25.4mm) SQ
PUNCH SHIM	OD 1.54" (39mm) Thickness .030 (0.75mm) CAT. NO. PRICE	OD 2.23" (56.6mm) Thickness .030 (0.75mm) CAT. NO. PRICE	OD 1.59" (40.39mm) Thickness .060 (1.5mm) CAT. NO. PRICE
	25 per bag	25 per bag	5 per bag
DIE SHIM	OD 1.54" (39mm) Thickness .030 (0.75mm) CAT. NO. PRICE	OD 2.23" (56.6mm) Thickness .030 (0.75mm) CAT. NO. PRICE	OD 2.23" (56.6mm) Thickness .030 (0.75mm) CAT. NO. PRICE
	25 per bag	25 per bag	5 per bag

*Slug Hugger® 2 dies must be ordered punch size plus clearance, .098 (2.49mm) min. dia. on rounds, .060 (1.53mm) min. width on shapes, .006 (0.15mm) min. clearance.

For 112 Style Tooling add ons, and other urethane stripper options, see page 7.

112 STYLE TOOLING

	E STATION 2.001 - 2.500" (50.8 - 63.5mm)			F STATION 2.501 - 3.125" (63.5 - 79.4mm)			G STATION 3.126 - 3.500" (79.4 - 88.9mm)		
PUNCH									
		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE
	Round	20107		Round	20109		Round	20111	
	Shape	20108		Shape	20110		Shape	20112	
	Optima®	—		Optima®	—		Optima®	—	
DIE									
		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE
	Round Slug Hugger® 2°	20019		Round Slug Hugger® 2°	20025		Round Slug Hugger® 2°	20031	
	Round Standard	20018		Round Standard	20024		Round Standard	20030	
	Shape Slug Hugger® 2°	20022		Shape Slug Hugger® 2°	20028		Shape Slug Hugger® 2°	20034	
	Shape Positive	20021		Shape Positive	20027		Shape Positive	20033	
STRIPPER									
		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE
	HP Round	22557		HP Round	22557		HP Round	22587	
	HP Shape	22558		HP Shape	22558		HP Shape	22588	
	Standard	20310		Standard	20312		Standard	20315	
	≤ 1/2" (12.7mm) RT	20311		≤ 1/2" (12.7mm) RT	20314		≤ 1/2" (12.7mm) RT	20317	
				2" (50.8mm) SQ	20313				
PUNCH SHIM	OD 2.72" (69mm) Thickness .060 (1.5mm)			OD 3.09" (78.5mm) Thickness .060 (1.5mm)					
		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE
	5 per bag	20232		5 per bag	20234				
DIE SHIM	OD 3.480" (88.4mm) Thickness .030 (0.75mm)			OD 4.23" (107.4mm) Thickness .030 (0.75mm)			OD 4.73" (120.1mm) Thickness .030 (0.75mm)		
		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE
	5 per bag	20208		5 per bag	20210		5 per bag	20212	

*Slug Hugger 2° dies must be ordered punch size plus clearance, .098 (2.49mm) min. dia. on rounds, .060 (1.53mm) min. width on shapes, .006 (0.15mm) min. clearance.

For 112 Style Tooling add ons, and other urethane stripper options, see page 7.

112 STYLE TOOLING ADD ONS

A, B, C STATION ADD ONS		
ADD ONS FOR ROUNDS		
SMALL DIAMETER	PUNCH	DIE
.031 - .061 (0.79 - 1.55 mm)		
.062 - .092 (1.57 - 2.34 mm)		
Clearance < .004 (0.10mm)		
ADD ONS FOR SHAPES		
SMALL WIDTHS	PUNCH	DIE
.031 - .039 (0.79 - 1.0mm)		
.040 - .092 (1.02 - 2.34mm)		
SMALL 'A' DIMENSION'	PUNCH	DIE
C < .750 (19.05mm)		
Clearance < .004 (0.10mm)		

D STATION ADD ONS		
ADD ONS FOR ROUNDS		
SMALL DIAMETER	PUNCH	DIE
< 1.250 (31.75mm)		
Clearance < .004 (0.10mm)		
ADD ONS FOR SHAPES		
SMALL WIDTHS	PUNCH	DIE
.031 - .039 (0.79 - 1.0mm)		
.040 - .092 (1.02 - 2.34mm)		
SMALL 'A' DIMENSION'	PUNCH	DIE
< 1.150 (29.21mm)		
1.150 - 1.500 (29.21 - 38.1mm)		
Clearance < .004 (0.10mm)		

E, F, G STATION ADD ONS		
ADD ONS FOR ROUNDS		
SMALL DIAMETER	PUNCH	DIE
E, F < 1.900 (48.26mm)		
G < 3.024 (76.81mm)		
Clearance < .004 (0.10mm)		
ADD ONS FOR SHAPES		
SMALL WIDTHS	PUNCH	DIE
.031 - .039 (0.79 - 1.0mm)		
.040 - .092 (1.02 - 2.34mm)		
SMALL 'A' DIMENSION'	PUNCH	DIE
E, F < 1.750 (44.45mm)		
G < 2.750 (69.85mm)		
Clearance < .004 (0.10mm)		

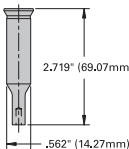
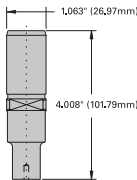
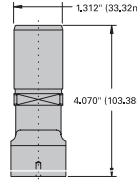
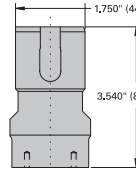
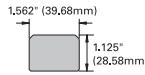
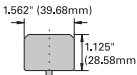
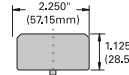
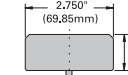
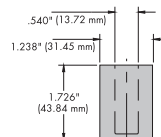
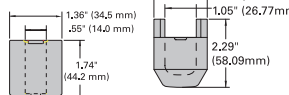
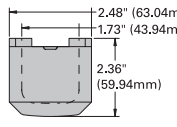
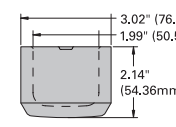
RADIUS OR 45° CHAMFER 4 CORNERS		
PUNCHES	RADIUS OR CHAMFER SIZE	PRICE
	.063 - .250 (1.58 - 6.35mm)	
	Greater than .250 (6.35mm)	
DIES	Any size	

NOTES	
- Additional cost to round or shape punch for extra straight before radius, extra back taper, or no back taper. † 'A' Dimension = longest distance across shape.	

URETHANE STRIPPER OPTIONS	
95 dA (natural/amber)*	Heavy Duty
90 dA (black)	Standard
80 dA (green)*	Light Duty
70 dA (yellow)*	Very Light Duty
Custom Molded*	

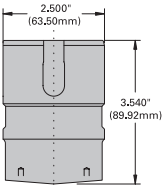
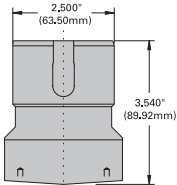
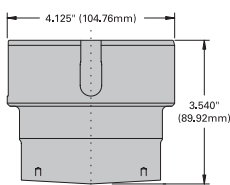
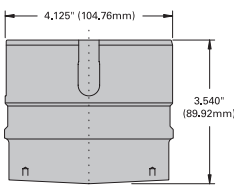
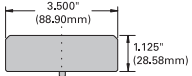
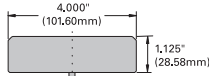
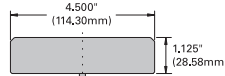
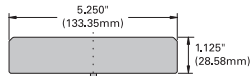
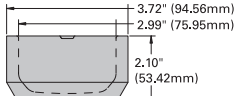
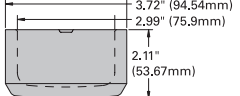
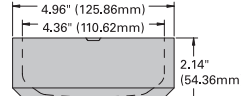
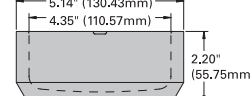
*Contact our sales desk for price and delivery.

114 STYLE TOOLING

	A STATION UP TO .500" (12.7MM)			B STATION UP TO 1.000" (25.4MM)			C STATION 1.001 - 1.500" (25.4 - 38.1MM)			D STATION 1.501- 2.000" (38.1 - 50.8MM)		
PUNCH												
		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE
	Round	20113		Round	20115		Round	20117		Round	20119	
	Optima®	—		Shape	20116		Shape	20118		Shape	20120	
				Keyed Round Punch	20165		Shape Punch 0° & 45°	20168		Optima®	—	
				Shape Punch 0° & 45°	20166		Optima®	—				
				Optima®	—							
DIE												
		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE
	Round Slug Hugger® 2°	20037		Round Slug Hugger® 2°	20037		Round Slug Hugger® 2°	20043		Round Slug Hugger® 2°	20049	
	Round Standard	20036		Round Standard	20036		Round Standard	20042		Round Standard	20048	
				Shaped Slug Hugger® 2°*	20040		Shaped Slug Hugger® 2°	20046		Shaped Slug Hugger® 2°	20052	
				Shape Positive	20039		Shape Positive	20045		Shape Positive	20051	
				Shape Die Positive at 0° & 45°	20291							
				Shape Slug Hugger® 2° at 0° & 45°	20292							
STRIPPER												
		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE
	Standard	20401		HP Round	22530		HP Round	22607		HP Round	22638	
	(Magnum Machine)	20402		HP Round for XB	22509		HP Shape	22608		HP Shape	22639	
				HP Shape	22531		Standard	20405		Standard	20406	
				XB	20400					≤1/8" (3.2mm) RT	20408	
				Standard	20403					1" (2.54mm) SQ	20407	
				≤ 1/8" (3.2mm) RT	20404							
PUNCH SHIM	Thickness .060 (1.5mm)			Thickness .060 (1.5mm)			Thickness .060 (1.5mm)			Thickness .060 (1.5mm)		
		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE
	25 per bag	20236		25 per bag	20238		5 per bag	20240				
DIE SHIM	Thickness .030 (0.75mm)			Thickness .030 (0.75mm)			Thickness .030 (0.75mm)			Thickness .030 (0.75mm)		
		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE
	25 per bag	20202		25 per bag	20204		5 per bag	20206				

*Slug Hugger® 2° dies must be ordered punch size plus clearance, .098 (2.49mm) min. dia. on rounds, .060 (1.53mm) min. width on shapes, .006 (0.15mm) min. clearance.

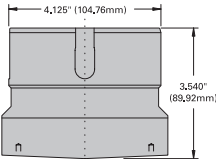
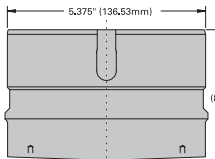
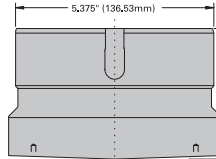
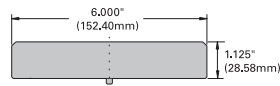
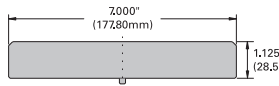
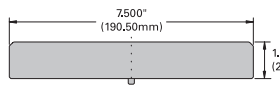
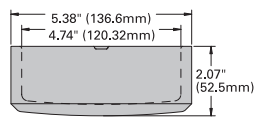
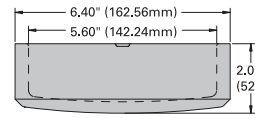
For 114 Style Tooling add ons, and other urethane stripper options, see page 11.

	E STATION 2.001 - 2.500" (50.8 - 63.5MM)		F STATION 2.501 - 3.000" (63.5 - 76.2MM)		G STATION 3.001 - 3.500" (76.2 - 88.9MM)		H STATION 3.501 - 4.125" (88.9 - 104.8MM)	
PUNCH								
		CAT. NO. PRICE		CAT. NO. PRICE		CAT. NO. PRICE		CAT. NO. PRICE
	Round	20121	Round	20123	Round	20125	Round	20127
	Shape	20122	Shape	20124	Shape	20126	Shape	20128
	Optima®	—	Optima®	—	Optima®	—	Optima®	—
DIE								
		CAT. NO. PRICE		CAT. NO. PRICE		CAT. NO. PRICE		CAT. NO. PRICE
	Round Slug Hugger® 2'	20055	Round Slug Hugger® 2'	20061	Round Slug Hugger® 2'	20067	Round Slug Hugger® 2'	20073
	Round Standard	20054	Round Standard	20060	Round Standard	20066	Round Standard	20072
	Shaped Slug Hugger® 2'	20058	Shaped Slug Hugger® 2'	20064	Shaped Slug Hugger® 2'	20070	Shaped Slug Hugger® 2'	20076
	Shape Positive	20057	Shape Positive	20063	Shape Positive	20069	Shape Positive	20075
STRIPPER								
		CAT. NO. PRICE		CAT. NO. PRICE		CAT. NO. PRICE		CAT. NO. PRICE
	HP Round	22557	HP Round	22557	HP Round	22587	HP Round	22587
	HP Shape	22558	HP Shape	22558	HP Shape	22588	HP Shape	22588
	Standard	20410	Standard	20412	Standard	20415	Standard	20418
	≤1/2" (12.7mm) RT	20411	≤1/2" (12.7mm) RT	20414	≤1/2" (12.7mm) RT	20417	≤1/2" (12.7mm) RT	20419
PUNCH SHIM	OD 2.47" (62.7mm) Thickness .060 (1.5mm)				OD 4.09" (103.9mm) Thickness .060 (1.5mm)			
		CAT. NO. PRICE		CAT. NO. PRICE		CAT. NO. PRICE		CAT. NO. PRICE
	5 per bag	20242	5 per bag	20242	5 per bag	20244	5 per bag	20244
DIE SHIM	OD 3.48" (88.4mm) Thickness .030 (0.75mm)		OD 3.98" (101.1mm) Thickness .030 (0.75mm)		OD 4.48" (113.8mm) Thickness .030 (0.75mm)		OD 5.23" (132.8mm) Thickness .030 (0.75mm)	
		CAT. NO. PRICE		CAT. NO. PRICE		CAT. NO. PRICE		CAT. NO. PRICE
	5 per bag	20208	5 per bag	20214	5 per bag	20216	5 per bag	20218

*Slug Hugger® 2 dies must be ordered punch size plus clearance, .098 (2.49mm) min. dia. on rounds, .060 (1.53mm) min. width on shapes, .006 (0.15mm) min. clearance.

For 114 Style Tooling add ons, and other urethane stripper options, see page 11.

114 STYLE TOOLING

	J STATION 4.126 - 4.750" (104.8 - 120.65MM)			K STATION 4.751 - 5.500" (120.65 - 139.7MM)			L STATION 5.501 - 6.000" (139.7 - 152.4MM)		
PUNCH									
		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE
	Round	20129		Round	20131		Round	20133	
	Shape	20130		Shape	20132		Shape	20134	
	Optima®	—		Optima®	—		Optima®	—	
DIE									
		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE
	Round Slug Hugger® 2"	20079		Round Slug Hugger® 2"	20085		Round Slug Hugger® 2"	20091	
	Round Standard	20078		Round Standard	20084		Round Standard	20090	
	Shape Slug Hugger® 2"	20082		Shape Slug Hugger® 2"	20088		Shape Slug Hugger® 2"	20094	
	Shape Positive	20081		Shape Positive	20087		Shape Positive	20093	
STRIPPER							Not Available		
		CAT. NO.	PRICE		CAT. NO.	PRICE			
	HP Round	22587		Standard	20422				
	HP Shape	22588		≤ 1/2" (12.7mm) RT	20424				
	Standard	20420		(Magnum Machine)	20423				
	≤ 1/2" (12.7mm) RT	20421							
PUNCH SHIM	OD 4.09" (103.9mm) Thickness .060 (1.5mm)			OD 5.34" (135.6mm) Thickness .060 (1.5mm)					
		CAT. NO.	PRICE					CAT. NO.	PRICE
	5 per bag	20244		5 per bag				20246	
DIE SHIM	OD 5.98" (151.9mm) Thickness .031 (0.79mm)			OD 5.98" (151.9mm) Thickness .031 (0.79mm)			OD 7.48" (190mm) Thickness .030 (0.75mm)		
		CAT. NO.	PRICE		CAT. NO.	PRICE		CAT. NO.	PRICE
	5 per bag	20220		5 per bag	20222		5 per bag	20224	

114 STYLE TOOLING ADD ONS

A, B, C STATION ADD ONS		
ADD ONS FOR ROUNDS		
SMALL DIAMETER	PUNCH	DIE
.031 - .061 (0.79 - 1.55 mm)		
.062 - .092 (1.57 - 2.34 mm)		
Clearance < .004 (0.10mm)		
ADD ONS FOR SHAPES		
SMALL WIDTHS	PUNCH	DIE
.031 - .039 (0.79 - 1.0mm)		
.040 - .092 (1.02 - 2.34mm)		
SMALL 'A' DIMENSION	PUNCH	DIE
C < .750 (19.05mm)		
Clearance < .004 (0.10mm)		

D STATION ADD ONS		
ADD ONS FOR ROUNDS		
SMALL DIAMETER	PUNCH	DIE
< 1.250 (31.75mm)		
Clearance < .004 (0.10mm)		
ADD ONS FOR SHAPES		
SMALL WIDTHS	PUNCH	DIE
.031 - .039 (0.79 - 1.0mm)		
.040 - .092 (1.02 - 2.34mm)		
SMALL 'A' DIMENSION	PUNCH	DIE
< 1.150 (29.21mm)		
1.150 - 1.500 (29.21 - 38.1mm)		
Clearance < .004 (0.10mm)		

E, F, G STATION ADD ONS		
ADD ONS FOR ROUNDS		
SMALL DIAMETER	PUNCH	DIE
E, F < 1.900 (48.26mm)		
G < 3.024 (76.81mm)		
Clearance < .004 (0.10mm)		
ADD ONS FOR SHAPES		
SMALL WIDTHS	PUNCH	DIE
.031 - .039 (0.79 - 1.0mm)		
.040 - .092 (1.02 - 2.34mm)		
SMALL 'A' DIMENSION	PUNCH	DIE
E, F < 1.750 (44.45mm)		
G < 2.750 (69.85mm)		
Clearance < .004 (0.10mm)		

H, J STATION ADD ONS		
ADD ONS FOR ROUNDS		
SMALL DIAMETER	PUNCH	DIE
< 3.400 (88.9mm)		
Clearance < .004 (0.10mm)		
ADD ONS FOR SHAPES		
SMALL WIDTHS	PUNCH	DIE
.031 - .039 (0.79 - 1.0mm)		
.040 - .092 (1.02 - 2.34mm)		
SMALL 'A' DIMENSION	PUNCH	DIE
< 3.250 (82.55mm)		
Clearance < .004 (0.10mm)		

K, L STATION ADD ONS		
ADD ONS FOR ROUNDS		
SMALL DIAMETER	PUNCH	DIE
< 4.650 (120.65mm)		
Clearance < .004 (0.10mm)		
ADD ONS FOR SHAPES		
SMALL WIDTHS	PUNCH	DIE
< 4.500 (114.3mm)		
.040 - .092 (1.02 - 2.34mm)		
SMALL 'A' DIMENSION	PUNCH	DIE
< 4.500 (114.3mm)		
Clearance < .004 (0.10mm)		

RADIUS OR 45° CHAMFER 4 CORNERS		
PUNCH	RADIUS OR CHAMFER SIZE	PRICE
	.001 - .062 (0.02 - 1.57mm)	
	.001 - .062 (0.02 - 1.57mm)	
	Greater than .250 (6.35mm)	
DIE	Any size	

NOTES	
- Additional cost to round or shape punch for extra straight before radius, extra back taper, or no back taper. 'A' Dimension = longest distance across shape.	

URETHANE STRIPPER OPTIONS	
95 dA (natural/amber)*	Heavy Duty
90 dA (black)	Standard
80 dA (green)*	Light Duty
70 dA (yellow)*	Very Light Duty
Custom Molded*	

*Contact our sales desk for price and delivery.

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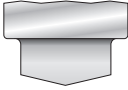
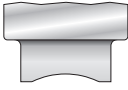
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TYPE OF SHEAR	BENEFIT	LIMITATION
 Rooftop	Best shear for punching at maximum tonnages.	When nibbling, bite must be 75% of punch dimension or excessive side loading will result.
 Concave or Double Concave	Best shear for nibbling because it inverts stresses.	The punch is less resistant to breakage when punching at high tonnages because of inverted stresses.
 Inverted Rooftop	Also good shear for nibbling because it inverts stresses.	More susceptible to breakage because of a sharp focal point for stresses – use great care.
 Double Valley Shear	Best shear for nibbling when shape is long and narrow.	The punch is less resistant to breakage when punching at high tonnages because of inverted stresses.
 JK Shear	A special punch tip shear that allows you to punch high strength materials with a reduced risk of breakage.	Can only be used on punches up to 1.000" (25.4mm) diameter or 'A' dimension†.

SPECIAL SHEAR					
STATION	'A' DIMENSIONS'	INVERTED ROOFTOP OR SINGLE CONCAVE		DOUBLE VALLEY OR DOUBLE CONCAVE	
		112	114	112	114
		.062" (1.6MM) SHEAR	.093 (2.4MM) SHEAR	.062 (1.6MM) SHEAR	.093 (2.4MM) SHEAR
B, C	Within 1.500" (38.1mm)				
D, E, F	Within 3.125" (79.4mm)				
G, H, J	Within 4.750" (120.6mm)				
K, L	Within 6.000" (152.4mm)				

.062"/1.6mm (112 Style) and .093"/2.4mm (114 Style) rooftop shear is given to all punches with 'A' dimension† greater than 2.000" (50.8mm) and width greater than .250" (6.35mm) at no extra charge. All punches .250" (6.35mm) and under in width will be shipped with no shear unless specified.

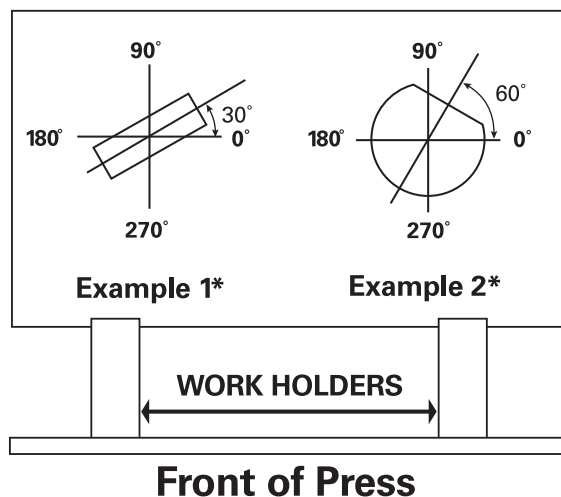
† 'A' Dimension = Longest dimension across shape.

NOTE: In some instances, inverted rooftop is substituted for single and double concave shears.

JK SHEAR	
SHAPE	ADD ON PRICE
Round	
Rectangle, Square, Hexagon, Single "D", Double "D"	
Obround	

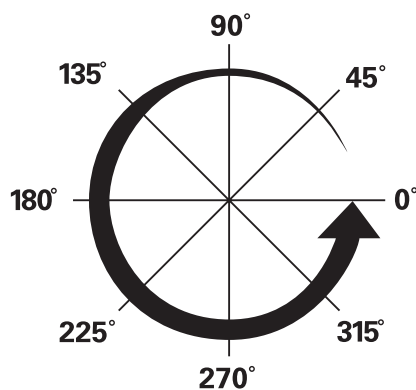
NON-STANDARD KEYING

Examples of angle settings:



Note: Please refer to non-standard key locations by the following method:

- Example 1: Shape at 30°
- Example 2: Shape at 60°



SHAPE AT SINGLE ANGLE ONLY AT 15° INCREMENTS FOR 112 AND 114

STATION	PUNCH	DIE
BC		
D		
EF		
GHJ		
KL		

SHAPE AT SINGLE ANGLE ONLY AT OTHER THAN 15° INCREMENTS FOR 112 AND 114

STATION	PUNCH	DIE
BC		
D		
EF		
GHJ		
KL		

STANDARD KEYING, PLUS EXTRA KEYS FOR SHAPES AT 45° INCREMENTS FOR 112 AND 114

STATION		PUNCH	DIE
	AVAILABLE OPTIONS	ADD ON PRICE	ADD ON PRICE
BC	45° Only		
D	45° Increments		
EF	45° Increments		
GHJ	45° Increments		
KL	45° Increments		

STANDARD KEYING, PLUS EXTRA PINS OR KEYS FOR SHAPES AT OTHER THAN 45° INCREMENTS FOR 112 AND 114

STATION	PUNCH	DIE
BC		
D		
EF		
GHJ		
KL		

STANDARD KEYING LOCATIONS

B & C STATIONS									
PUNCH VIEW					DIE VIEW				

D - L STATIONS									
PUNCH VIEW					DIE VIEW				

HIGH PERFORMANCE SPECIAL TOOLING

Fast, Flexible and Accurate High Performance Special Tooling

In addition to the unique High Performance holder technology that allows fast, "click-and-turn" in-machine adjustment, HP Special Tooling offers:

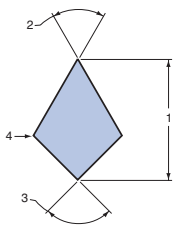
- Positive, push-button adjustment in .002" (0.05mm) increments for improved accuracy without the use of shims, without tools and without removal from the machine
- Larger maximum "A" dimension than other forming punches which allows larger-sized forming tools to be used in the XB-L stations of Murata Wiedemann punch presses for faster, easier and more efficient punching
- The shortest lead-times and fastest deliveries in the industry
- An extensive selection of Special Forming Tools including:
 - Embosses
 - Extrusions
 - Half Shears
 - EKO's
 - Coining Tools
 - Lance and Forms
 - Progressive Ribs
 - Louvers
 - Bridges
 - Letter Stamps
 - Hinges
 - Thread Forms
 - Card Guides

For a special forming tool that is not on this list, contact our Sales Desk.

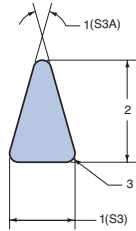


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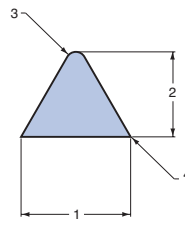
Note: Special Considerations May Alter Price and Lead Time



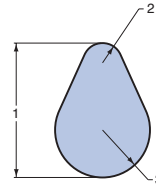
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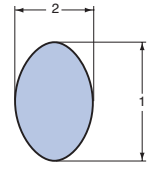
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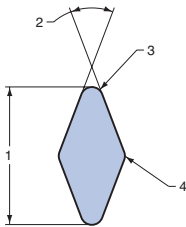
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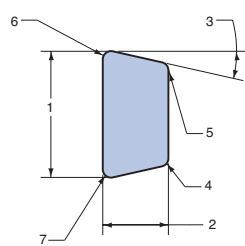
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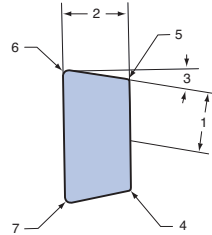
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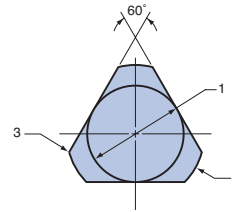
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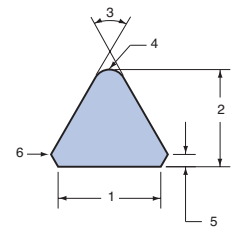
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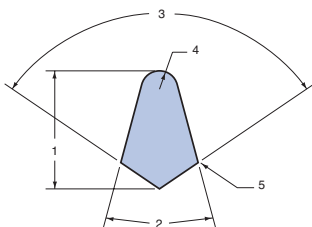
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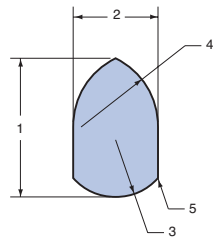
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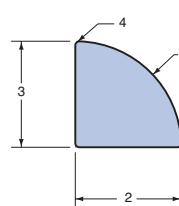
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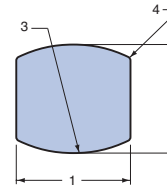
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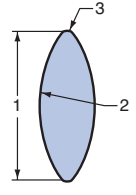
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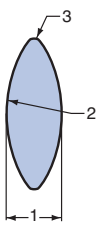
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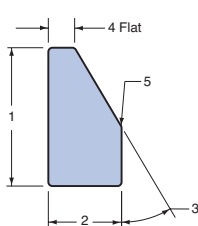
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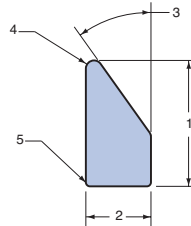
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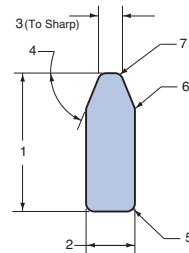
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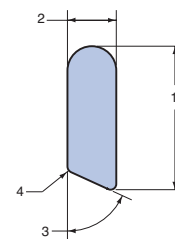
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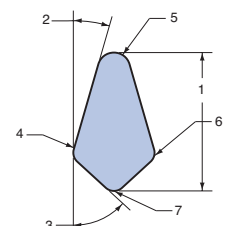
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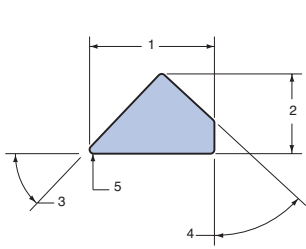


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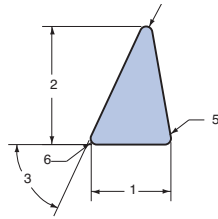


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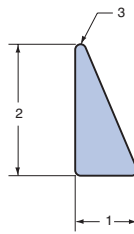
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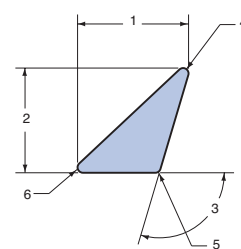
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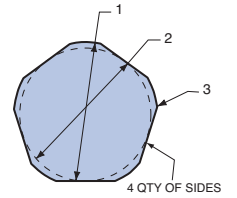
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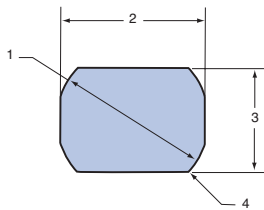
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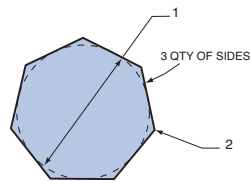
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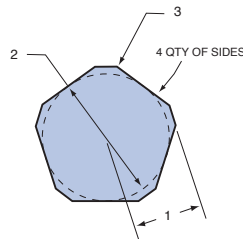
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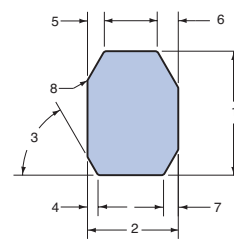
S122



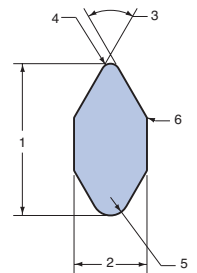
S123



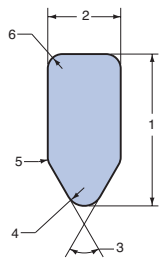
S124



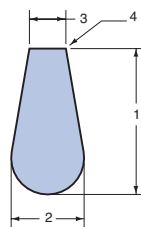
S161



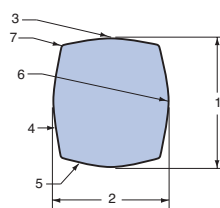
S162



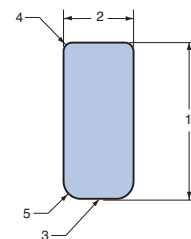
S163



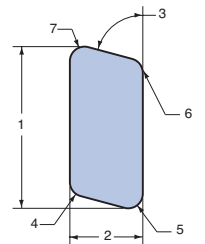
S164



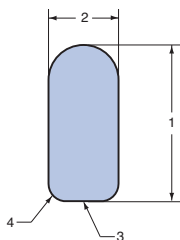
S165



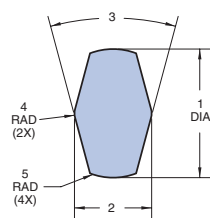
S166



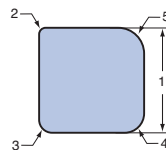
S167



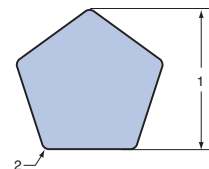
S170



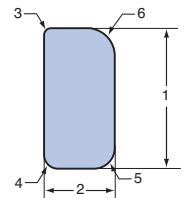
S181



SQF

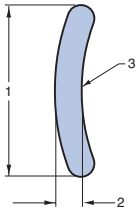


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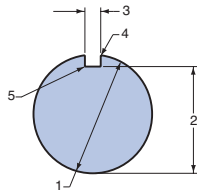


RTF

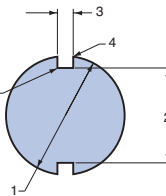
GROUP "B"



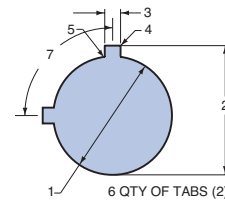
S6



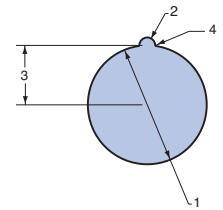
S10



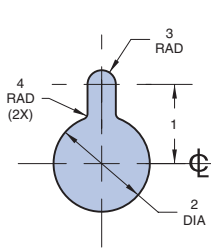
S11



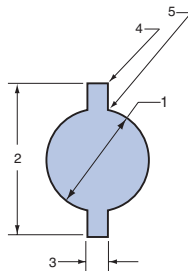
S12



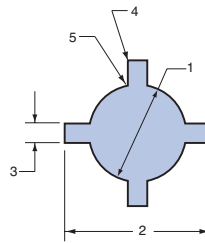
S13



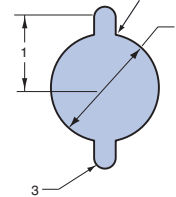
S14



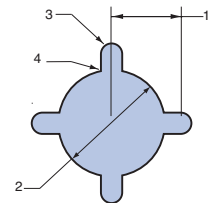
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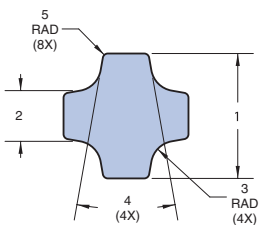
S16



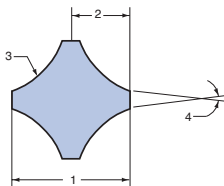
S17



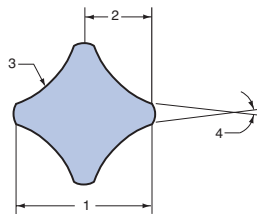
S18



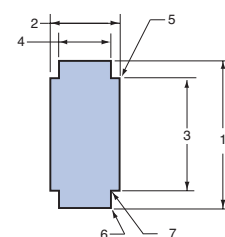
S19



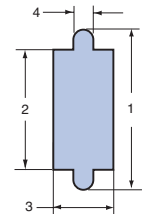
S19A



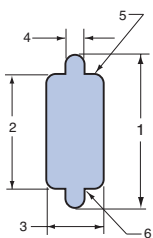
S19B



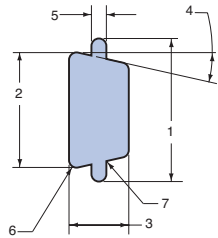
S20



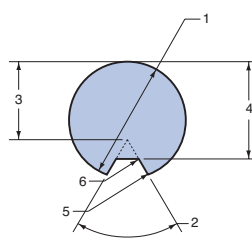
S21



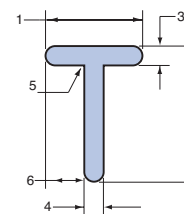
S22



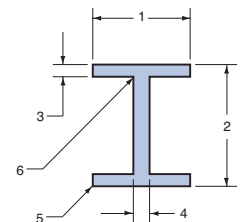
S24



S30

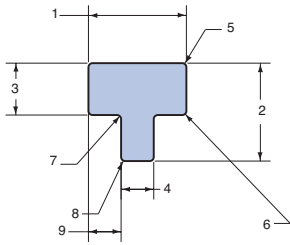


S31

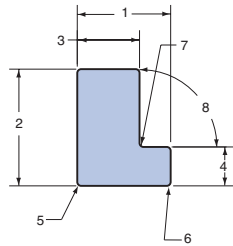


S33

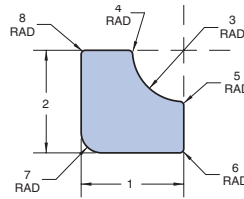
GROUP "B"



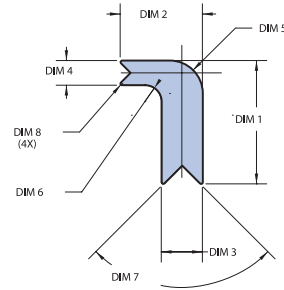
S35



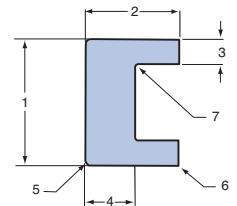
S36



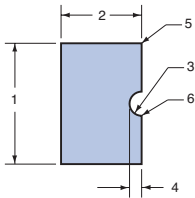
S36A



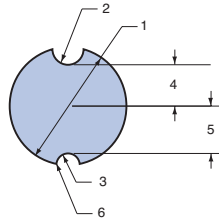
S37



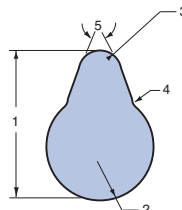
S40



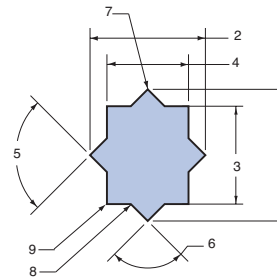
S41



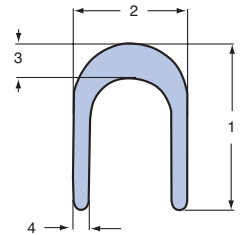
S42



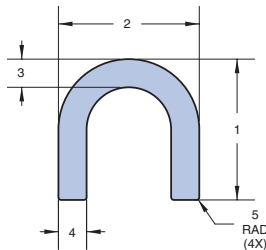
S43



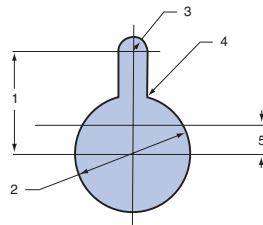
S46



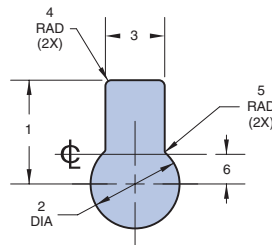
S54



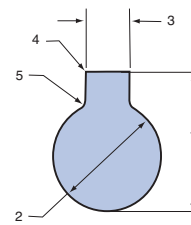
S55



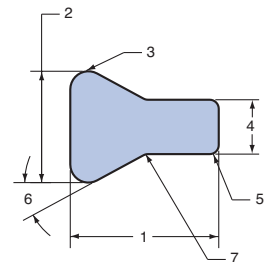
S56



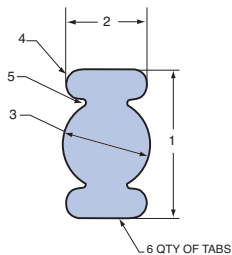
S57



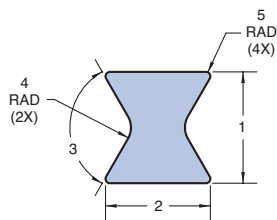
S58



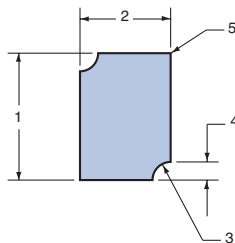
S60



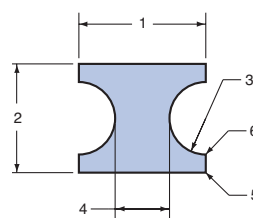
S61



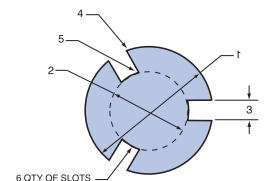
S62



S66

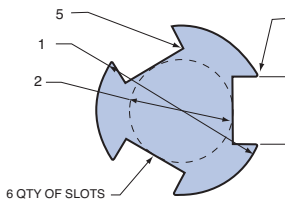


S79

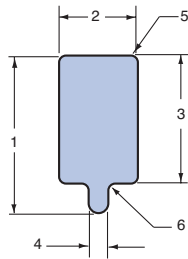


S82

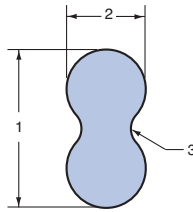
GROUP "B"



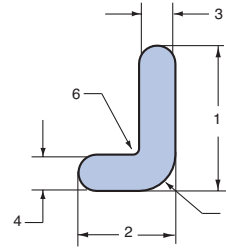
S83



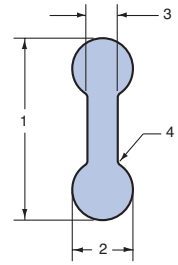
S84



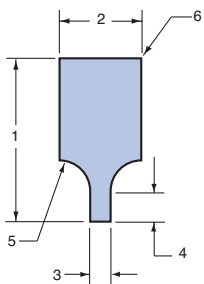
S87



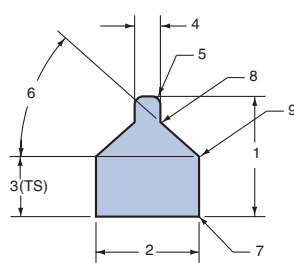
S88



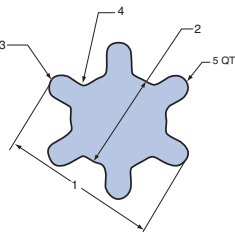
S91



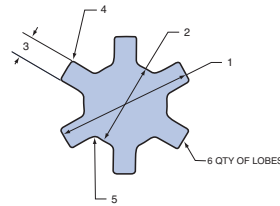
S93



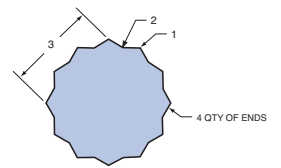
S114



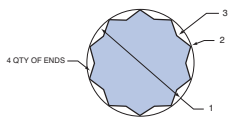
S115



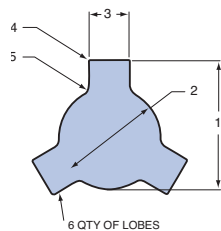
S116



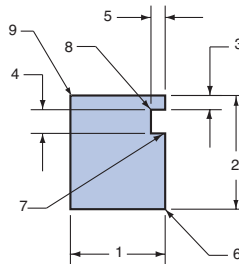
S117



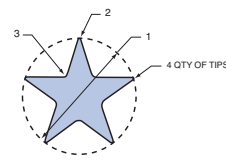
S118



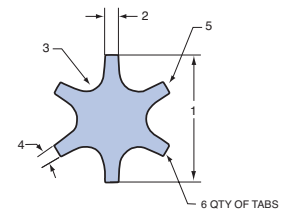
S119



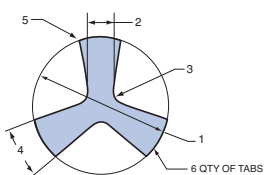
S120



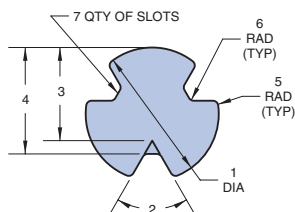
S125



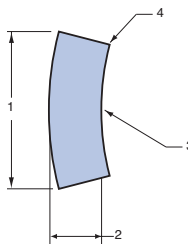
S126



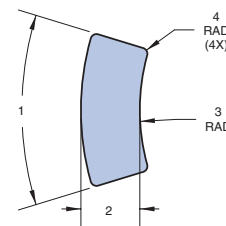
S127



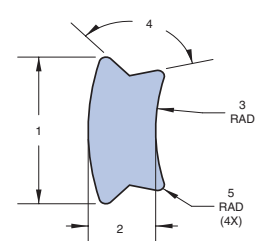
S128



S141

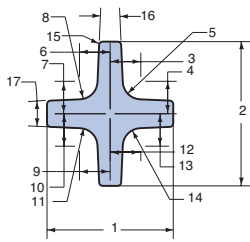


S141A

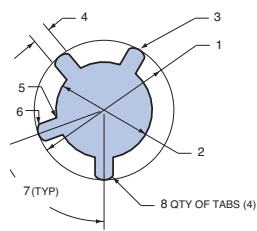


S142

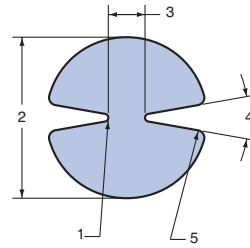
GROUP "B"



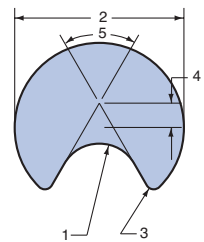
S168



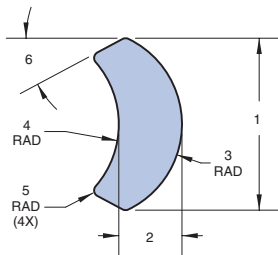
S169



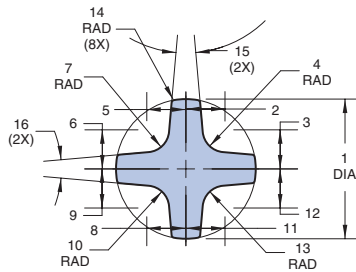
S171



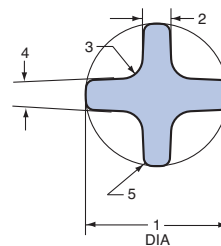
S172



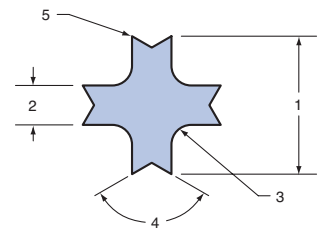
S174



S176

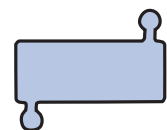
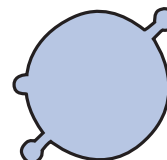
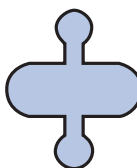
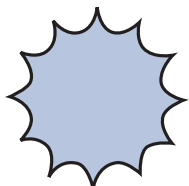
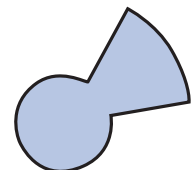
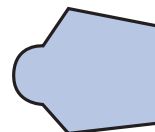
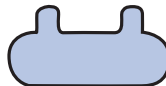
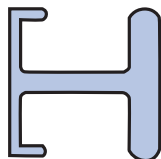
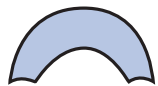
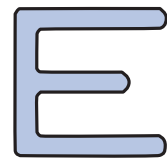
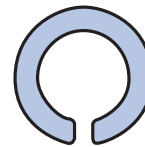
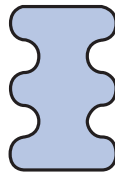
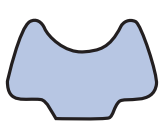


S177



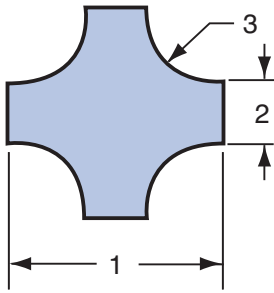
S179

GROUP "C"



SPECIAL SHAPES

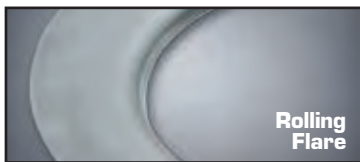
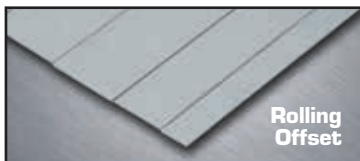
4-WAY RADIUS TOOLS - STANDARD SIZES



RADIUS INCHES/MM	DIM. 1 INCHES/MM	DIM. 2 INCHES/MM	DIM. 3 INCHES/MM
.062 [1.58]	.500 [1.58]	.250 [6.35]	.062 [1.58]
.094 [2.39]	.625 [2.39]	.250 [6.35]	.094 [2.39]
.125 [3.18]	.625 [3.18]	.250 [6.35]	.125 [3.18]
.156 [3.96]	.750 [3.96]	.250 [6.35]	.156 [3.96]
.188 [4.78]	.750 [4.78]	.250 [6.35]	.188 [4.78]
.250 [6.35]	.875 [6.35]	.250 [6.35]	.250 [6.35]
.312 [7.93]	1.000 [7.93]	.250 [6.35]	.312 [7.93]
.375 [9.53]	1.125 [9.53]	.250 [6.35]	.375 [9.53]
.500 [12.7]	1.250 [12.7]	.250 [6.35]	.500 [12.7]

WILSON WHEEL® 114 STYLE TOOLING

FOR F (I/T) STATION ONLY



Wheel tools shown with
punch and die adapter set

PUNCH & DIE ADAPTER SET	
CAT. NO.	PRICE
21064*	

*Wheel tools not included



FEATURES

The Wilson Wheel® family of products offers fabricators flexible, high-speed production of flares, slits, ribs and offsets on a wide range of materials with virtually no burrs or nibble marks.

DESIGN CRITERIA

- A programmable ram is required to use these wheel tools.
- Consult the sales desk for machine specific requirements.
- Consult sales desk for minimum radius of each tool.

INFORMATION NEEDED

- Machine model
- Material thickness and type

MORE ABOUT WILSON TOOL INTERNATIONAL

PUNCHING

Wilson Tool's Punching division continues to drive the industry with new levels of quality, delivery, service and innovation.

From the early days of Series 80 tooling to Wilson Wheels to innovative EXP® technology, our punching division has been the industry-leading innovation driver. When combined with the most experienced customer support professionals in the industry, Wilson Tool continues to raise the bar on performance and innovation. Thick turret, TRUMPF-style, Salvagnini-style, or any other style of punch press you may be using, Wilson Tool offers the most complete line of tooling solutions available today.



TRUMPF is a trademark of TRUMPF GmbH + Co. KG.

TABLETING

Wilson Tool's Tableting division delivers standard and custom tooling for superior production capability by utilizing the latest innovations in tableting science.

Wilson Tool's punches and dies for the pharmaceutical, nutraceutical, confectionery and related industries provide the best tooling per application. We collaborate with you to create the punch and die most suited to meet the specific needs of your tableting application.



BENDING

Wilson Tool's Bending division delivers the most complete line of tooling and clamping solutions available anywhere. Period.

Whether you use American, European, WT-style or LVD-style precision tooling or conventional style tooling, Wilson Tool has a solution for you. Our clamping options cover these styles as well. With hydraulic push button options, quick release mechanical options, or standard manual clamps, Wilson Tool has a clamping solution for any style of machine or budget. And our custom tooling manufacturing capabilities have quickly become the envy of the industry with innovative solutions for very complex bending challenges. With manufacturing facilities located in the USA and Canada, our delivery times to North American fabricators are the fastest in the industry.



STAMPING

Wilson Tool's Stamping division (aka Impax Tooling Solutions®) offers high quality punch and die components for the stamping industry.

Innovative products such as our HP Accu-Lock® retainer inserts and extensive coating options, combined with our world-class customer service, have enabled us to quickly grow into a world-class provider. With a direct sales force throughout North America, we deliver products straight from the factory to you, enabling the fastest deliveries in the industry. Our custom tooling expertise is second to none with many customers coming to us for their most difficult stamping challenges.



ACCESSORIES

Whether you need tooling storage systems, grinders, urethane rolls, hand tools or other types of related supplies, our accessory products offer a wide range of solutions to help you be more productive, organized and efficient.



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