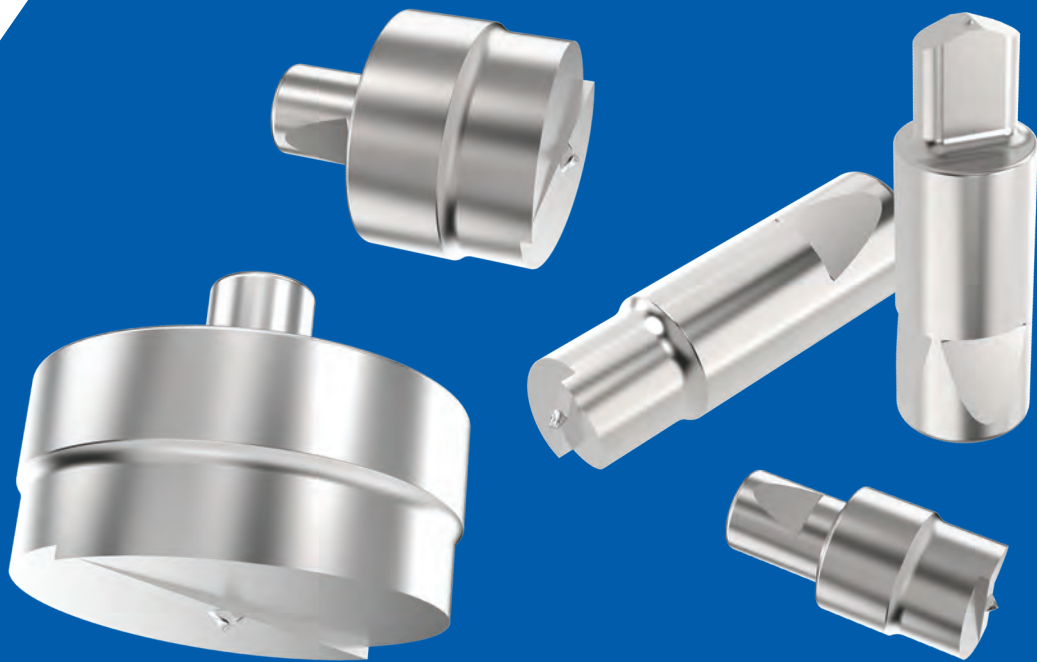




CANADA



EXACTA TOOLING **WHITNEY-STYLE**

2026

WILSON TOOL INTERNATIONAL

Recommended Die Clearance

MATERIAL THICKNESS (Mild Steel)	DIE CLEARANCE (To be added to punch size)
20 GA (.036)	.008
18 GA (.048)	.010
16 GA (.060)	.012
14 GA (.075)	.015
12 GA (.105)	.020
11 GA (.120)	.030
10 GA (.135)	.034
3/16 (.187)	.046
1/4 (.250)	.075

Soft Aluminum & Copper reduce die clearance.
Stainless Steel increases die clearance.

Ordering Information

1. Type of Machine
2. **"W"** dimension **"P"** dimension **"A"** dimension
3. **Die Clearance** or material and thickness
4. Are the **Dimensions** looking at the face of the **Punch, Die** or the **Part**?
5. **Keying Location** or Front of Machine
6. **Forming** up or down

Required Tonnage (Mild Steel)

Hole Dia. (inches)	20 GA .036	18 GA .048	16 GA .060	14 GA .075	12 GA .105	11 GA .120	10 GA .135	3/16 .187	1/4 .250	5/16 .312	3/8 .375	1/2 .500
1/8	.35	.47	.59	.74	1.0	1.2						
3/16	.53	.71	.89	1.1	1.6	1.8	2.0	2.8				
1/4	.71	.94	1.2	1.5	2.1	2.4	2.7	3.7	4.9			
5/16	.88	1.2	1.5	1.9	2.6	3.0	3.3	4.6	6.2	7.8		
3/8	1.1	1.4	1.8	2.2	3.1	3.5	4.0	5.5	7.4	9.2	11.1	
7/16	1.2	1.7	2.1	2.6	3.6	4.1	4.6	6.5	8.6	10.8	13.0	17.2
1/2	1.4	1.9	2.4	2.9	4.1	4.7	5.3	7.4	9.8	12.3	14.8	19.7
9/16	1.6	2.1	2.7	3.3	4.7	5.3	6.0	8.3	11.0	13.8	16.6	22.1
5/8	1.8	2.4	2.9	3.7	5.2	5.9	6.6	9.2	12.3	15.4	18.5	24.6
11/16	1.9	2.6	3.2	4.1	5.7	6.5	7.3	10.2	13.5	16.9	20.3	27.1
3/4	2.1	2.8	3.5	4.4	6.2	7.1	8.0	11.1	14.8	18.4	22.1	29.5
13/16	2.3	3.1	3.8	4.8	6.7	7.7	8.6	12.0	16.0	22.0	24.0	32.0
7/8	2.5	3.3	4.1	5.2	7.2	8.3	9.3	12.9	17.2	21.5	25.8	34.4
15/16	2.7	3.5	4.4	5.5	7.7	8.8	10.0	13.8	18.5	23.0	27.7	36.9
1	2.8	3.8	4.7	5.9	8.3	9.4	10.6	14.8	19.7	24.6	29.5	39.4
1-1/2	4.2	5.6	7.0	8.8	12.3	14.1	15.8	22.1	29.5	36.8	44.2	58.9
2	5.6	7.5	9.4	11.7	16.4	18.8	21.1	29.5	39.3	49.1	58.9	78.5
2-1/2	7.1	9.4	11.7	14.7	20.5	23.6	26.4	36.8	49.1	61.4	73.6	98.2
3	8.5	11.3	14.1	17.6	24.6	28.2	31.7	44.2	58.9	73.6	88.4	118
3-1/2	9.9	13.1	16.4	20.5	28.8	32.7	37.0	51.5	68.7	85.9	103	137
4	11.3	15.0	18.8	23.5	32.8	37.6	42.2	58.9	78.5	98.2	118	157
4-1/2	12.7	16.9	21.2	26.4	37.0	42.4	47.5	66.3	88.4	110	133	177
5	14.1	18.7	23.5	29.3	41.1	47.1	52.8	73.6	98.2	123	147	196

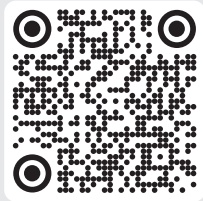
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Standard Shapes and Keying



-100
OBLONG



-200
SQUARE



-300
RECTANGLE



-400
SINGLE D



-500
FLATTED ROUND



-650
HEXAGON



-665
QUAD D



-670
OCTAGON

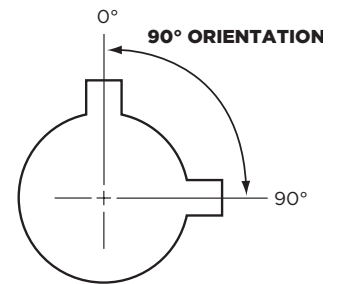


-680
EQUALATERAL



-795
LONG D

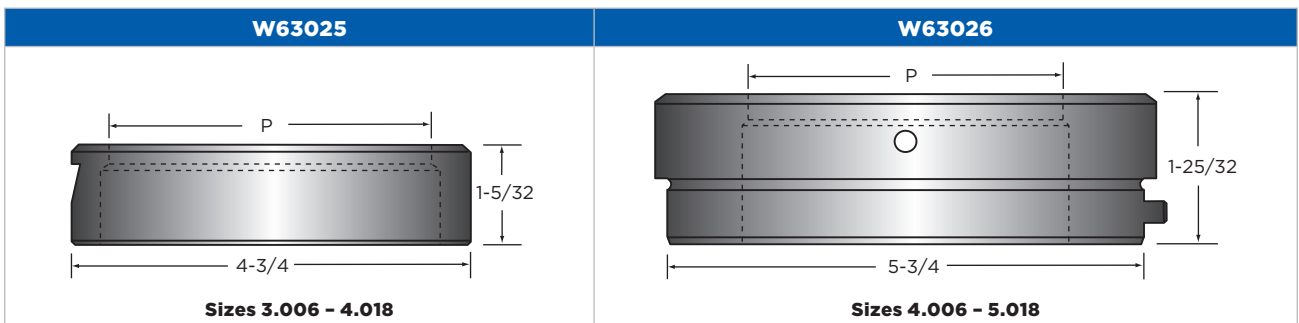
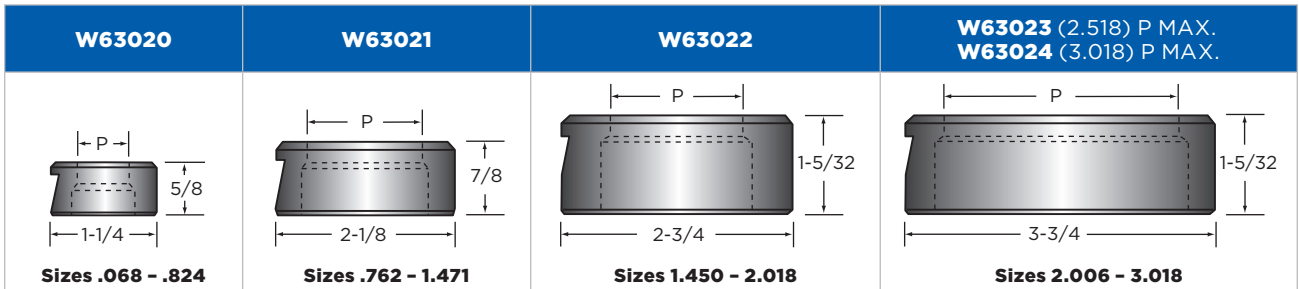
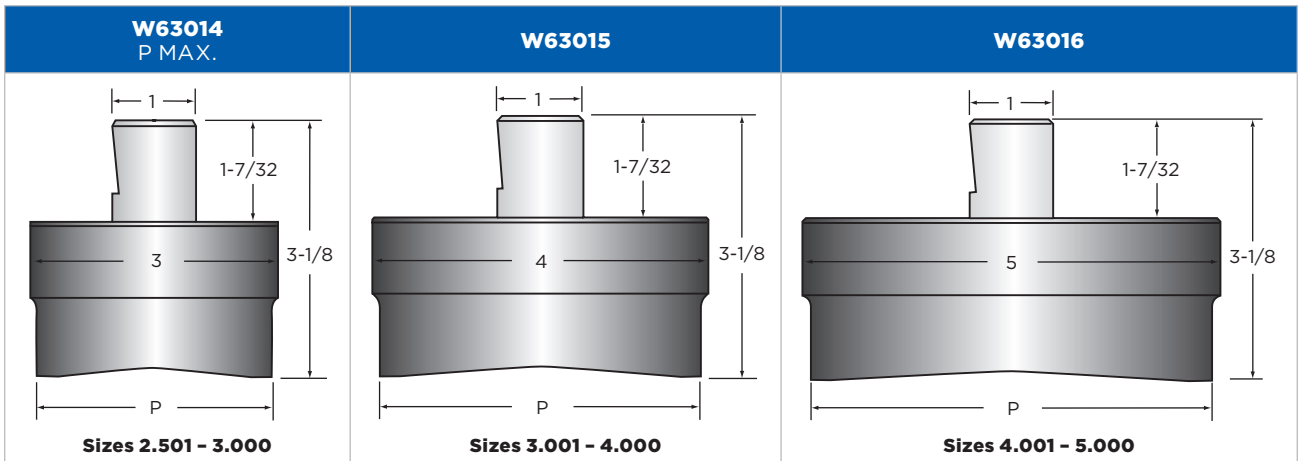
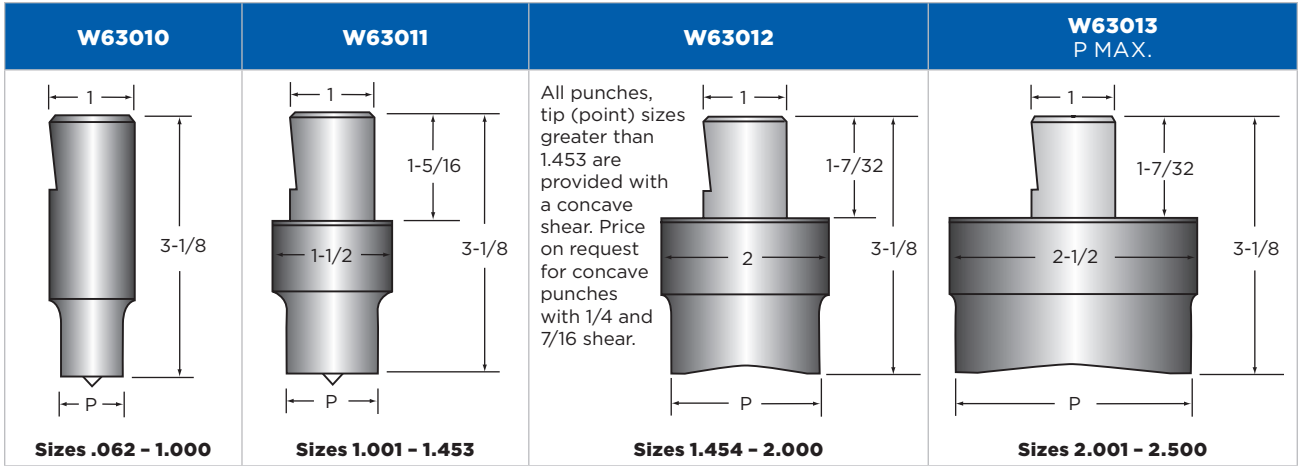
View from top of die (die face)



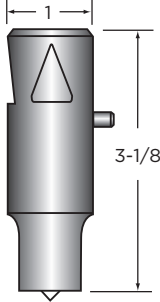
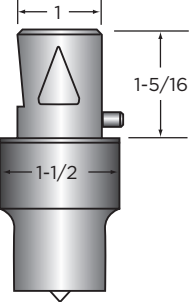
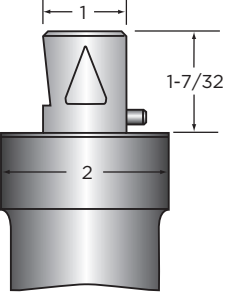
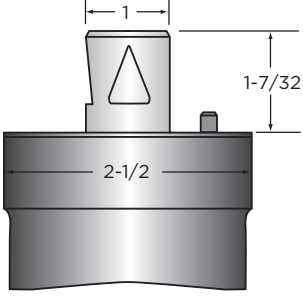
All shaped punches and dies are pinned for 0° and 90° positioning. Standard pin locations are shown above. Other pin locations may be specified, at additional cost, when ordering.

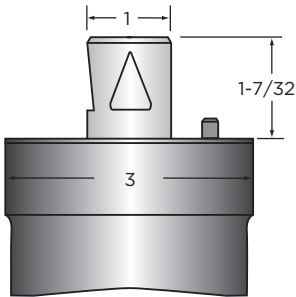
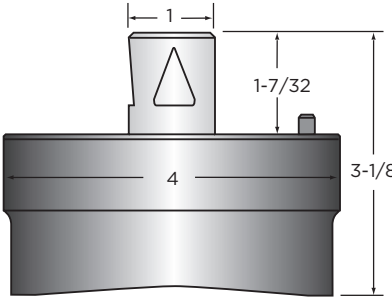
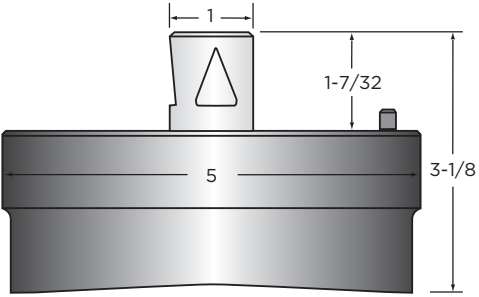
28XX ROUND TOOLING: W6300 SERIES

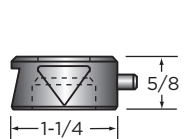
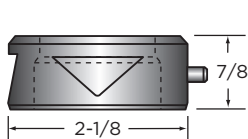
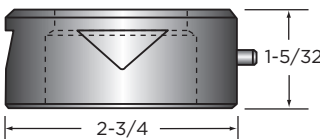
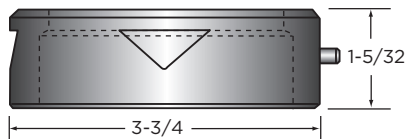
W6300 SERIES

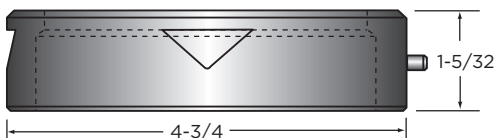
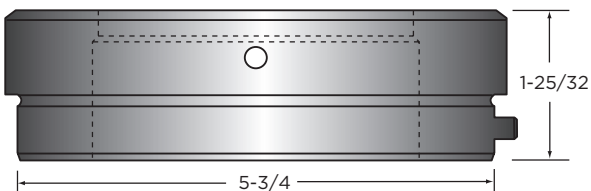


28XX SHAPED TOOLING: W6300 SERIES

W63Z10-___	W63Z11-___	W63Z12-___	W63Z13-___ P Max.
			
Min. W = .125 Max.* P/A = 1.000	Min. W = .125 Max.* P/A = 1.453	Min. W = .125 Max.* P/A = 2.000	Min. W = .125 Max.* P/A = 2.500

W63Z14-___	W63Z15-___	W63Z16-___
		
Min. W = .250 Max.* P/A = 3.000	Min. W = .250 Max.* P/A = 4.000	Min. W = .250 Max.* P/A = 5.000

W63Z20-___	W63Z21-___	W63Z22-___	W63Z23 -___ (2.518) P Max. W63Z24 -___ (3.018) P Max.
			
Min. W = .125 Max.* P/A = .824	Min. W = .125 Max.* P/A = 1.471	Min. W = .125 Max.* P/A = 2.081	Min. W = .250 Max.* P/A = 3.018

W63Z25-___	W63Z26-___
	
Min. W = .250 Max.* P/A = 4.018	Min. W = .250 Max.* P/A = 5.018 Cannot be indexed 90° left to right Standard unless otherwise specified

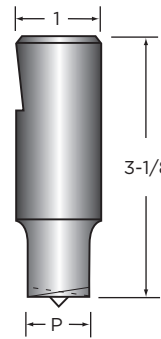
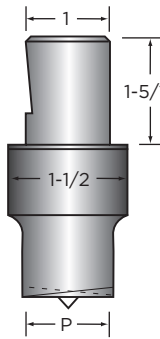
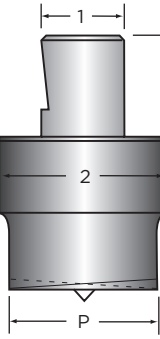
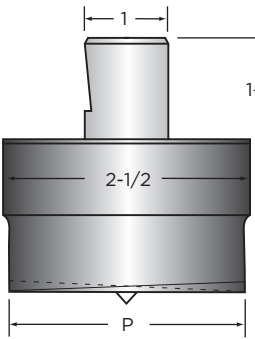
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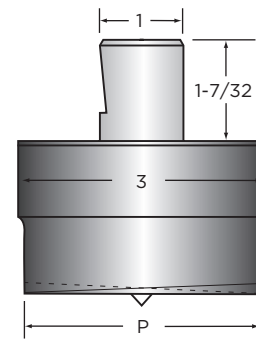
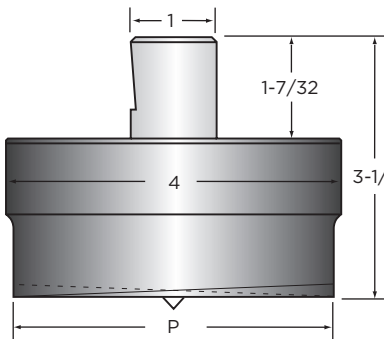
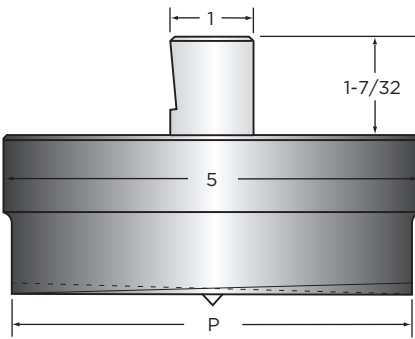
*Max. P/A = Maximum P or across corner.

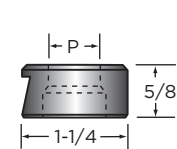
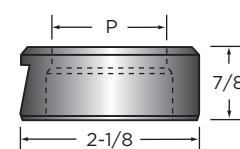
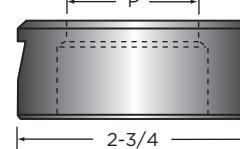
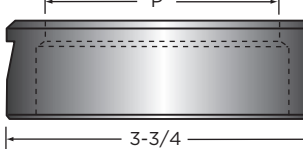
W6300 SERIES

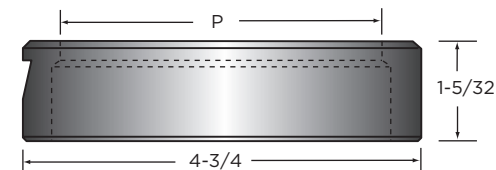
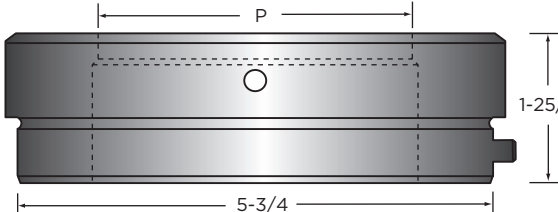
28XX ROUND TOOLING: W6100 SERIES

W6100 SERIES

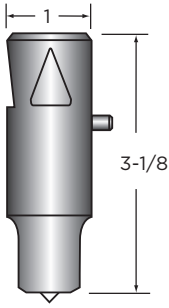
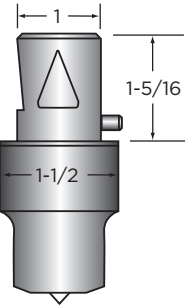
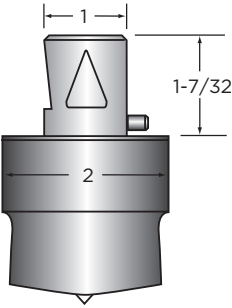
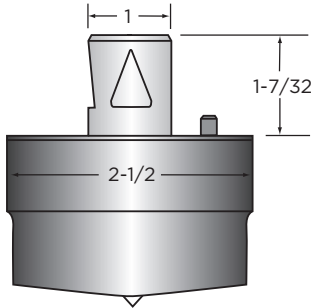
W61010	W61011	W61012	W61013
 <p>Sizes .062 - 1.000</p>	 <p>Sizes 1.001 - 1.453</p>	<p>All punches, tip (point) sizes .500 and up are provided with a criss cross and center point. Other shear types are available. For assistance, please contact a Tooling Technician.</p>  <p>Sizes 1.454 - 2.000</p>	 <p>Sizes 2.001 - 2.500</p>

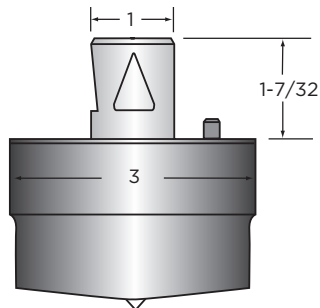
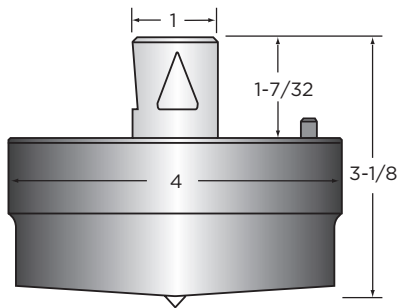
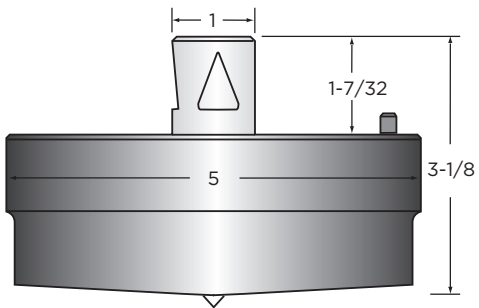
W61014 P MAX.	W61015	W61016
 <p>Sizes 2.501 - 3.000</p>	 <p>Sizes 3.001 - 4.000</p>	 <p>Sizes 4.001 - 5.000</p>

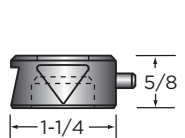
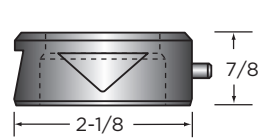
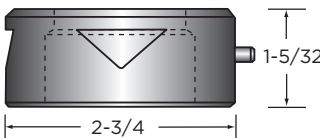
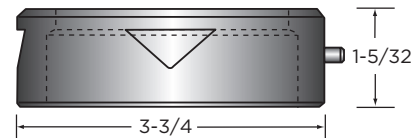
W63020	W63021	W63022	W63023 (2.518) P MAX. W63024 (3.018) P MAX.
 <p>Sizes .068 - .824</p>	 <p>Sizes .762 - 1.471</p>	 <p>Sizes 1.450 - 2.018</p>	 <p>Sizes 2.006 - 3.018</p>

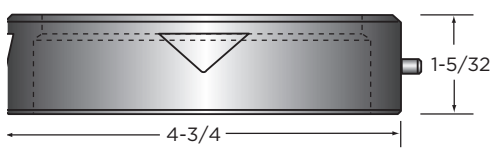
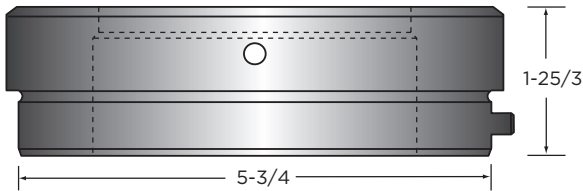
W63025	W63026
 <p>Sizes 3.006 - 4.018</p>	 <p>Sizes 4.006 - 5.018</p>

28XX SHAPED TOOLING: W6100 SERIES

W61Z10-__	W61Z11-__	W61Z12-__	W61Z13-__
 <p>Min. W = .125 Max.* P/A = 1.000</p>	 <p>Min. W = .125 Max.* P/A = 1.453</p>	 <p>Min. W = .125 Max.* P/A = 2.000</p>	 <p>Min. W = .125 Max.* P/A = 2.500</p>

W61Z14-__	W61Z15-__	W61Z16-__
 <p>Min. W = .250 Max.* P/A = 3.000</p>	 <p>Min. W = .250 Max.* P/A = 4.000</p>	 <p>Min. W = .250 Max.* P/A = 5.000</p>

W63Z20-__	W6 3Z21-__	W63Z22-__	W63Z23 -__ (2.518) P/A MAX. W63Z24 -__ (3.018) P/A MAX.
 <p>Min. W = .125 Max.* P/A = .824</p>	 <p>Min. W = .125 Max.* P/A = 1.471</p>	 <p>Min. W = .125 Max.* P/A = 2.081</p>	 <p>Min. W = .250 Max.* P/A = 3.018</p>

W63Z25-__	W63Z26-__
 <p>Min. W = .250 Max.* P/A = 4.018</p>	 <p>Min. W = .250 Max.* P/A = 5.018 Cannot be indexed 90° left to right Standard unless otherwise specified</p>

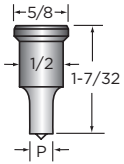
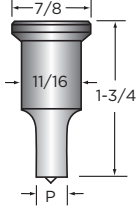
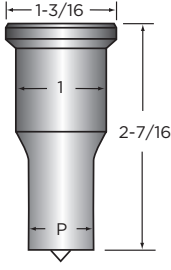
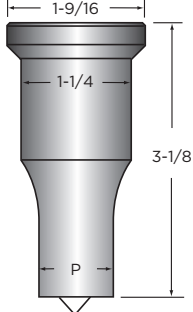
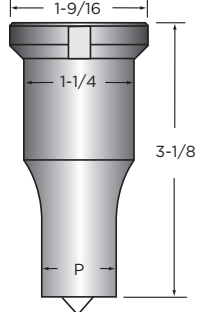
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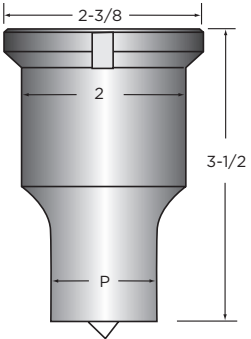
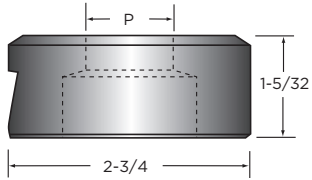
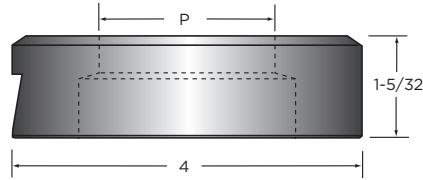
*Max. P/A = Maximum P or across corner.

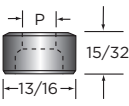
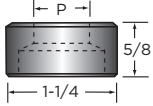
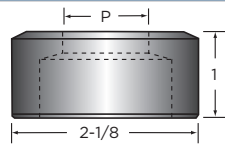
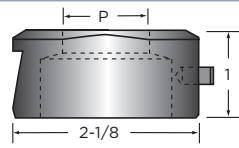
W6100 SERIES


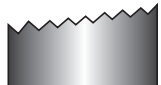
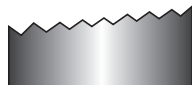
PORTABLE TOOLING: W700 SERIES

W700 SERIES

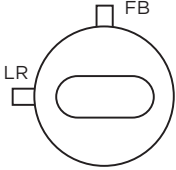
SHAPE	ROUND	ROUND	ROUND	ROUND	ROUND
W71Z1 - ____ W71Z11 - ____	W7101 .093 - .500 W71011 .515 - .562	W7201 .515 - .687 W72011 .703 - .812	W7401 .125 - .1000 W74011 1.015 - 1.250 W74012 1.265 - 1.500	W7701 .218 - .1.250 W77011 1.265 - 1.500	W7901 .218 - .1.250 W79011 1.265 - 1.500
					

ROUND: W7501 .218 - .2.0000 W75011 2.015 - 2.031	ROUND: W7502 .218 - .2.031	ROUND: W7602 .218 - .2.031
		

ROUND: W7102 .109 - .578	ROUND: W7202 .141 - .859	ROUND: W7402 .141 - 1.531	ROUND: W7902 .233 - 1.531
			
SHAPE: W71Z2 - ____	W72Z2 - ____	*W74Z2 - ____	W79Z2 - ____

W7102BS W71Z2BS - ____	W7202BS W72Z2BS - ____	W7402BS W74Z2BS - ____
<p>These dies should be used when punching on a tapered surface.</p>  <p>Bevel Serrated</p>  		

Pin Location
For shaped dies, specify LR (left to right) or FB (front to back). If not specified, LR will be shipped.



Specify Shape Code in place of - ____ (See pg. 3)
*Use W7402 (W74Z2) with W7701 (W77Z1) punches.

Stocked in fractional sizes (1/32 increments).

BENCH PRESS: W91 SERIES

	CAT NO.	RANGE	O.D.		CAT NO.	RANGE	O.D.
ROUND PUNCHES				SHAPED PUNCHES			
	W91010	.062 - .562	-		W91Z10-___	.125 - .562	-
	W91011	.563 - .875			W91Z11-___	.563 - .875	
	W91012	.876 - 1.500			W91Z12-___	.876 - 1.500	
	W91013	1.501 - 2.000			W91Z13-___	1.501 - 2.000	
	W95014	2.001 - 2.500			W95Z14-___	2.001 - 2.500	
	W95015	2.501 - 3.000			W95Z15-___	2.501 - 3.000	
	W95016	3.001 - 4.000			W95Z16-___	3.001 - 4.000	
	W95017	4.001 - 5.000			W95Z17-___	4.001 - 5.000	
ROUND DIES				SHAPED DIES			
	W91020	.062 - .599	7/8		W91Z20-___	.062 - .599	7/8
	W91021	.600 - .912	1-3/16		W91Z21-___	.600 - .912	1-3/16
	W91022	.876 - 1.537	1-15/16		W91Z22-___	.876 - 1.537	1-15/16
	W91023	1.501 - 2.037	2-7/16		W91Z23-___	1.501 - 2.037	2-7/16
	W63023	2.001 - 2.518	3-3/4		W63Z23-___	2.001 - 2.518	3-3/4
	W63024	2.519 - 3.018	3-3/4		W63Z24-___	2.519 - 3.018	3-3/4
	W63025	3.006 - 4.018	4-3/4		W63Z25-___	3.006 - 4.018	4-3/4
	W95026	4.006 - 5.018	7 SQ.		W95Z26-___	4.006 - 5.018	7 SQ.

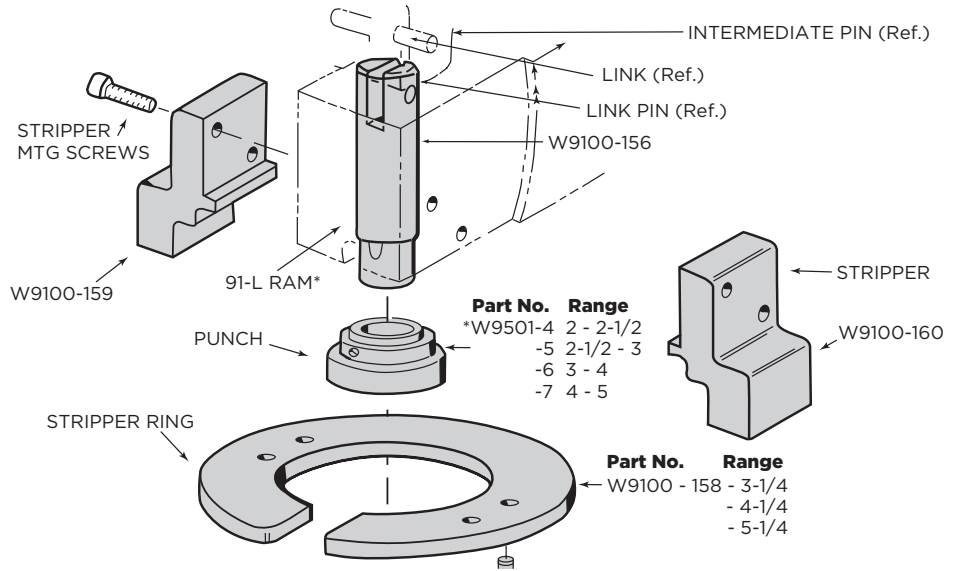
Specify Shape Code in place of - ___ (See pg. 3)

Typical Tooling Set-up for Piercing Holes 2-1/16" Up Thru 5" Diameter

For 4-1/16" thru 5" applications

Stripper Mounting Bracket and Rings

Priced upon application



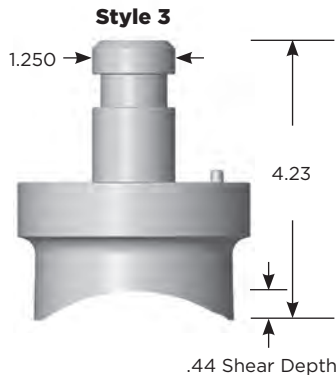
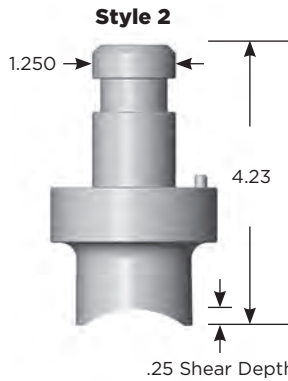
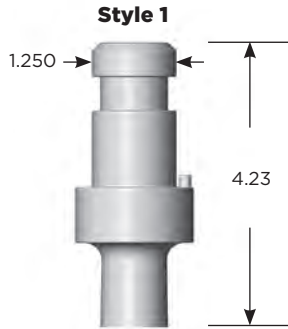
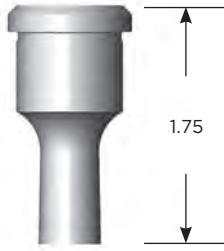
Part No.	Range
*W9501-4	2 - 2-1/2
-5	2-1/2 - 3
-6	3 - 4
-7	4 - 5

Part No.	Range
W9100 - 158	3-1/4
-	4-1/4
-	5-1/4

W91 SERIES

36TC PUNCHES – ROUND & SHAPED

Punch Insert



DESCRIPTION	CAT NO.	P DIM. RANGE
ROUND HOLES UP TO .750" DIAMETER		
Punch Insert	W36010	.050-.750
HSS Insert	W36010HS	.050-.750

DESCRIPTION	CAT NO.	P DIM. RANGE
STYLE 1		
Round	W36011A	.050-1.250
	W36011B	1.251-1.719
Shaped	W36Z11A-___	.125-1.250
	W36Z11B-___	1.251-1.719

Specify Shape Code in place of -___ (See pg. 3)

DESCRIPTION	CAT NO.	P DIM. RANGE
STYLE 2		
Round	W36012	1.720-2.469
Shaped	W36Z12-___	1.720-2.469

Specify Shape Code in place of -___ (See pg. 3)

DESCRIPTION	CAT NO.	P DIM. RANGE
STYLE 3		
Round	W36013	2.470-3.000
	W36014	3.001-3.469
	W36015	3.470-4.000
	W36016	4.001-5.000
Shaped	W36Z13-___	2.470-3.000
	W36Z14-___	3.001-3.469
	W36Z15-___	3.470-4.000
	W36Z16-___	4.001-5.000

Specify Shape Code in place of -___ (See pg. 3)

36TC DIES – ROUND & SHAPED

**36TC
(Rounds Only)**



**37TC
(Rounds Only)**



38XX



28XX



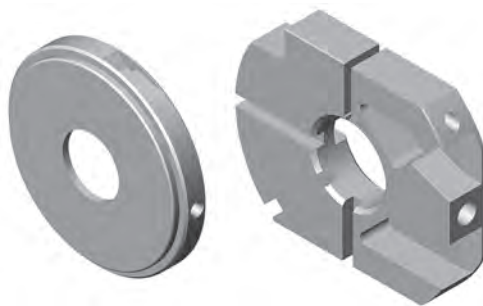
DESCRIPTION	DIAMETERS	CAT NO.	P DIM. RANGE
FOR HOLES UP TO 1.740 DIAMETER			
36TC Round Die	1.250	W36020	Within .824"
	2.125	W36021	.825-1.465"
	2.750	W36022	1.466-1.740"
37TC Round Die	1.250	W37020	Within .824"
	2.125	W37021	.825-1.465"
	2.750	W37022	1.466-1.740"

NOTE: Use 36TC Dies for Material Thickness from .062- .250
Use 37TC Dies for Material Thickness from .251- .500

FOR HOLES UP TO 2.018 DIAMETER			
38XX Shaped Die	1.250	W38Z20-___	Within .824
	2.125	W38Z21-___	.825-1.465
	2.750	W38Z22-___	1.466-2.018
FOR HOLES UP TO 5.018 DIAMETER			
28XX Round Die	2.750	W63022	1.741-2.018
	3.750	W63023	2.006-2.540
	3.750	W63024	2.541-3.018
	4.750	W63025	3.006-4.018
	6.250	W36026	4.006-5.018
28XX Shape Die	3.750	W63Z23-___	2.006-2.518
	3.750	W63Z24-___	2.541-3.018
	4.750	W63Z25-___	3.006-4.018
	6.250	W36Z26-___	4.006-5.018

NOTE: Use of 28XX dies not recommended for sizes below 1.740.

Specify Shape Code in place of - ___ (See pg. 3)



DESCRIPTION	DIE O.D.	CAT NO.
Alignment Ring (Not for Model 647)	—	W641-339
Stripper Plate Specify Model Number (Not for Models 647 Plus or 647 Plus II)	—	W3603-0
Die Holder Also Available with 45° Index (Not for Model 647 Plus)	1.250	W661-334
	2.125	W661-335
	2.750	W661-336
	3.750	W661-337
	4.750	W661-338

36TC DIES

PUNCH PRESS TOOLING ACCESSORIES

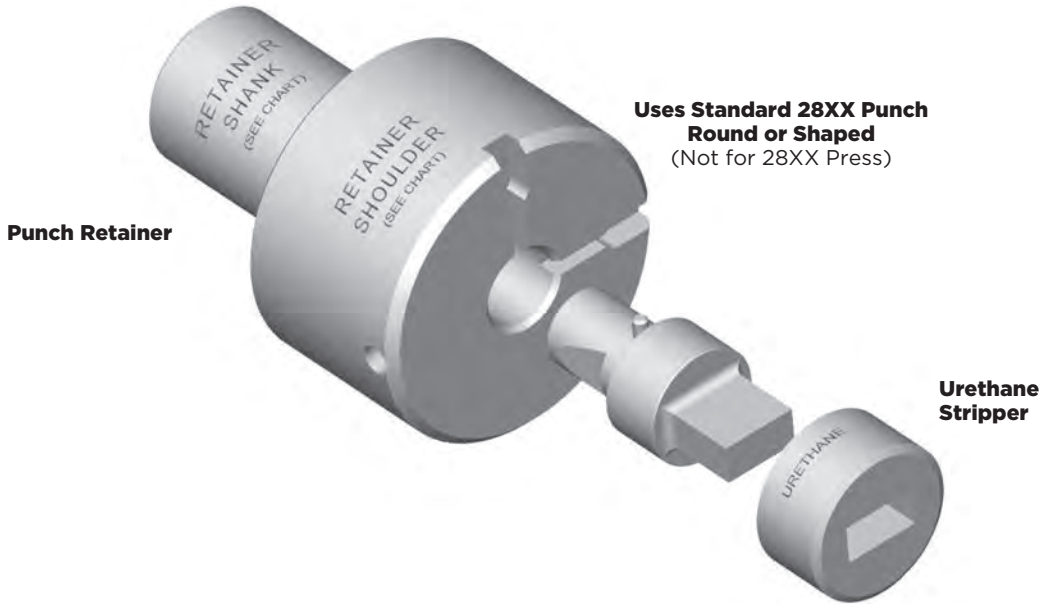
DESCRIPTION	CAT NO.	STOCK SHANK DIA. (SPECIFY*)	MAX. PUNCH DIAMETER	SHOULDER DIAMETER
Punch Retainer	**WPR1-__	1-1/2 x 2-1/8*	2.0	3.0
	WPR2-__	1-1/2 x 2-1/8*	3.0	4.0
	WPR3-__	1-1/2 x 2-1/8*	4.0	5.0
	WPR4-__	1-1/2 x 2-1/8*	5.0	6.0

*Specify shank diameter of punch retainer when ordering.

Available Shank Diameters	
1-1/2 Ø x 2-1/8 LG (Stock)	Add -1.5" to Cat. No.
1-9/16 Ø x 2-1/8 LG	Add -1.56" to Cat. No.
2 Ø x 2-7/8 LG	Add -2.0" to Cat. No.
2-1/2 Ø x 2-7/8 LG	Add -2.5" to Cat. No.
3 Ø x 2-7/8 LG**	Add -3.0" to Cat. No.

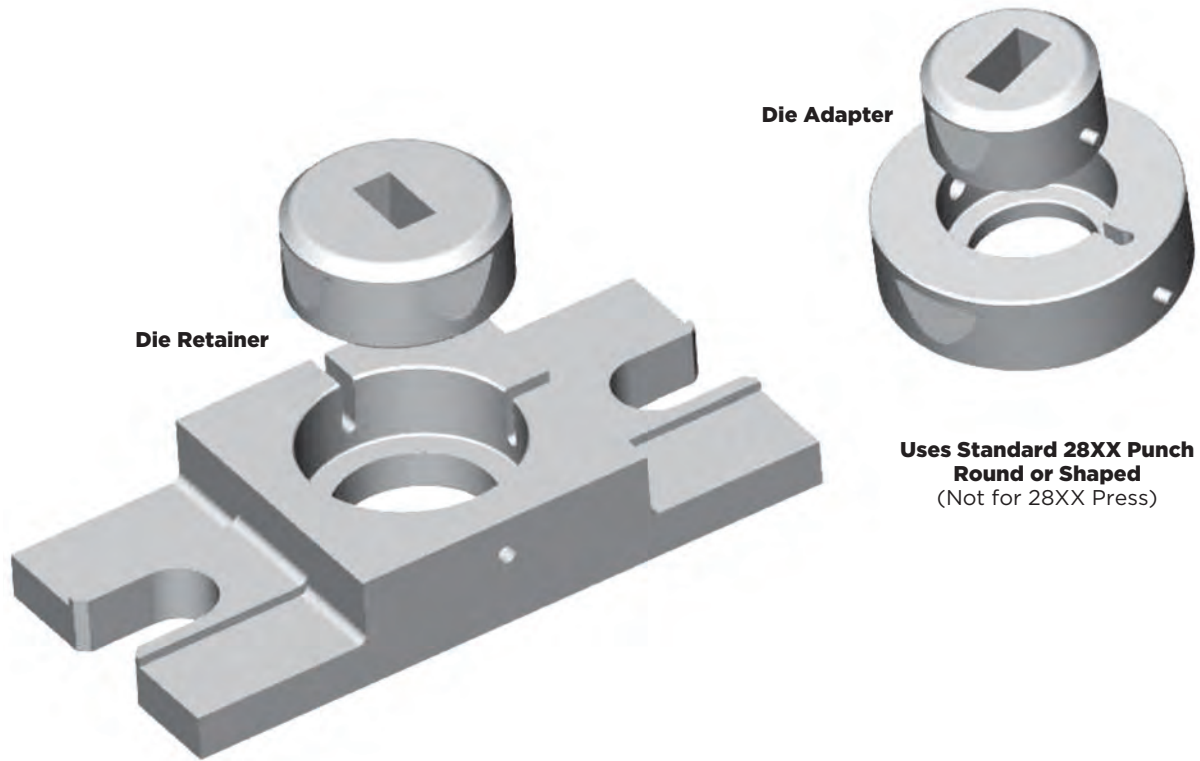
**3" Ø x 2-7/8" LG Shank not available on WPR1

ACCESSORIES



DESCRIPTION	CAT NO.	MAX. PUNCH DIAMETER
Urethane Stripper	WUS1	1.0
	WUS2	1.5
	WUS3	2.0
	WUS4	2.5
	WUS5	3.0
	WUS6	4.0
	WUS7	5.0

PUNCH PRESS TOOLING ACCESSORIES



ACCESSORIES

DESCRIPTION	CAT NO.	DIE DIAMETER	BLOCK SIZE APPROX.	HEIGHT
Die Retainer	WDR1	2-3/4	4 x 10	2
	WDR2	3-3/4	5 x 10	2
	WDR3	4-3/4	6 x 10	2
	WDR4	5-3/4*	8 x 10-1/2	2-1/4

*Use Die No. W63027 (Rounds) and Die No. W63Z27 (Shapes).

DESCRIPTION	CAT NO.	OUTSIDE DIAMETER	INSIDE DIAMETER	HEIGHT
Die Adapter	WDA1	2-3/4	1-1/4	1-1/8
	WDA2	2-3/4	2-1/8	1-1/8
	WDA3	3-3/4	1-1/4	1-1/8
	WDA4	3-3/4	2-1/8	1-1/8
	WDA4A	3-3/4	2-3/4	1-1/8
	WDA5	4-3/4	2-3/4	1-1/8
	WDA6	5-3/4	3-3/4	1-25/32

KICK PRESS

KICK PRESS

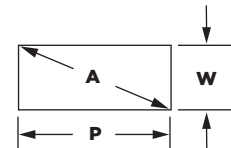


CAT NO.	RANGE	DIA. LENGTH
ROUND PUNCHES		
KP-8	1.0	1.0
KP-28	1.5	1.5
KP-28X	2.0	2.0
KP-28X1	2.5	2.5

CAT. NO.	RANGE	O.D. THICK
ROUND DIES		
KD-8	.068-.824	1-1/4 x 5/8
KD-28	.825-1.471	2-1/8 x 7/8
KD-28X	1.472-2.018	2-3/4 x 1-5/32

CAT. NO.	RANGE		O.D. THICK
	MIN. W	MAX. W	
SHAPED PUNCHES			
KP-8S-___	.125	.500	1/2 - 2-1/2
KP-28S-___	.125	.500	1 x 3-1/8
KP-28XS-___	.125	.500	1 x 3-1/8
KP-28X1S-___	.125	2.000	1 x 3-1/8
SHAPED PUNCHES			
KD-8S-___	.125	.824"	1-1/4" x 5/8"
KD-28S-___	.125	1.471"	2-1/8" x 7/8"
KD-28XS-___	.125	2.018"	2-3/4" x 1-5/32"

Please specify if locating flats are required on KP-8 Punches and KD-8 Dies. Price on request.



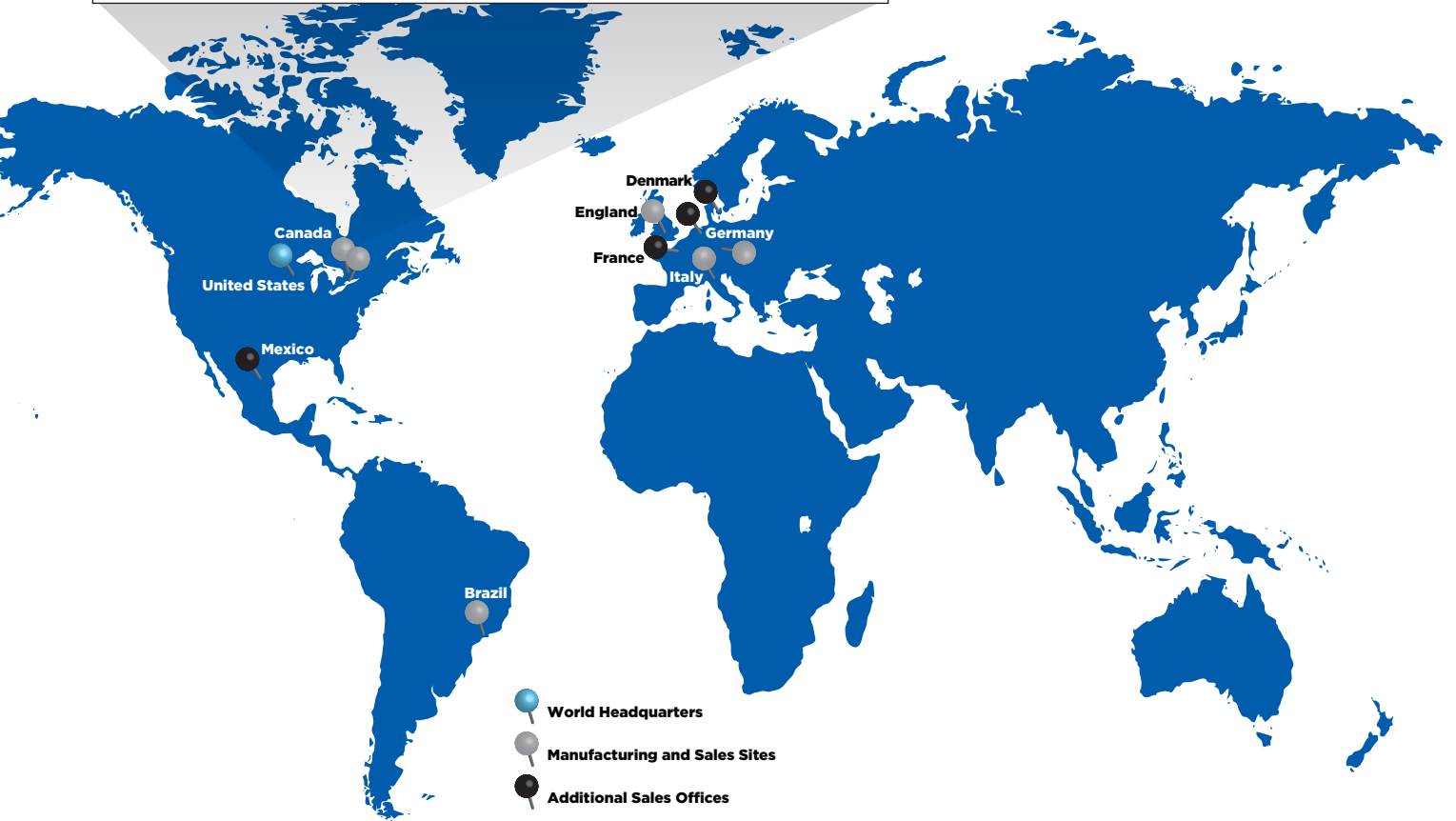
CAT. NO.	DESCRIPTION
URETHANE STRIPPERS	
UCS50 1-1/4	For 1/2 Body Punches
UCS10	For 1 Body Punches

Specify Shape Code in place of -___ (See pg. 3)

SS-2 	SS-3 	SS-4 	SS-5 	SS-6 	SS-8 	SS-9 	
SS-10 	SS-11 	SS-12 	SS-13 	SS-14 	SS-15 	SS-16 	
SS-17 	SS-18 	SS-19 	SS-20 	SS-21 	SS-22 	SS-23 	
SS-24 	SS-25 	SS-26 	SS-27 	SS-28 	SS-29 	SS-30 	
SS-31 	SS-32 	SS-33 	SS-34 	SS-35 	SS-36 	SS-37 	
SS-38 	SS-40 	SS-42 	SS-43 	SS-45 	SS-54 	SS-56 	
SS-59 	SS-60 	SS-61 	SS-86 	SS-87 	SS-91 	SS-93 	
SS-94 	SS-97 						
CENTRE PUNCH	LETTER STAMP						
400 	440 	443 	450 	460 	543 	545 	
	LANCE & FORM	LANCE & FORM	LOUVRE	EYE BROW	SHAPE KNOCK OUT UP	SINGLE KNOCK OUT	
548 	625 	650 	654 	655 	658 		
SHEAR TAB	DIMPLE	HINDGE	COINING DOWN	COUNTERSINK UP	COINING UP		
675 	700 	755 	765 	766 	795 	910 	
	4-WAY CORNER CROP	EMBOSS UP	DOUBLE KO DOWN	DOUBLE KO UP			

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E604C (2.2026)