

CE TOOLING

Section **9.5**



Standard Worktable— Model WTS-12
Adjustable side, front, and back
gauges are provided for positioning
material. Table sides are machined
parallel to insure the adjustable
side guides remain square.

THOR 1210 TOOLING

Machines Models: 12, 10, 1210AH & 1218 May-13

Costs for Non-Standard Options

RADIUS

CHAMFER

RADIUS OR 45° CHAMFER
Add to Punch & Die
Corners 1-3 #x 4(all)
Any size Radius or Chamfer #x \$10.00 \$10.00=

10 STANDARD SHAPES
RECTANGLE • SQUARE • OBOUND • SINGLE-D • DOUBLE-D • QUAD-D • HEXAGON • OCTAGON
ADD \$10 PER SET FOR: LONG-D & EQUILATERAL

EXPEDITING SERVICES
1FDS • ORDER BY 3 pm, Order Ships The Next or same work day — Add 25%
2FDS • ORDER BY 3pm, Order ships in 1-2 work days— Add 10%

CABLE ASSEMBLY
Part#TH1210CA \$146.00



Roof Top
*ARTS

Inverted
*AIS

Concave
*ACS

Double Inverted
*ADIS

Whisper (1-Way)
*AWS

Spherical
*ASPS

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Pricing Subject to Change With Out Notice

CE TOOLING

Specifications			
PUNCH PRESSES		MODEL 1210	MODEL 1210AH*
Throat Depth		12" (305mm)	12" (305mm)
Stations		10	10
Maximum Material Capacity		1" (25.4mm) Diameter hole in 14 gauge (2mm) mild steel (With proper punch shear and die clearance).	
Clearance between die tops and punches		7/32" (5.5mm)	7/32" (5.5mm)
Cycles		Up to 60 strokes/minute	
Air Consumption		125 cu. in. per stroke at 100 PSI	
Press Width		3-1/2" (89mm)	3-1/2" (89mm)
Press Length		22" (559mm)	22" (559mm)
Press Height		15-1/2" (394mm)	26" (660mm)
Mounting		Bench or Stand	Floor Stand
Press Weight		125# (57kg)	138# (63kg)
Shipping Weight		152# (69kg)	165# (75kg)
* Standard features on the Model 1210AH include Thor's sturdy Model FS-12 floor stand, air filter, regulator, lubricator unit, and a foot operated air valve.			
1210 SERIES TOOLING			
PUNCH STYLES		STYLE #1	STYLE #2
Shank Diameter		1/2" (12.7mm)	1/2" (12.7mm)
Overall Length		2-13/32" (61mm)	2-13/32" (61mm)
Point Size Range— (Diameter or Diagonal)		Up to 1/2" (12.7mm)	Over 1/2" (12.7mm) Up to 1" (25.4mm)
Fits Station Numbers		#1 to #10	#6 to #10
For cost of tooling, see the current Thor 1210 Series Tooling Price List			
DIE STYLES		STYLE A	STYLE B
Die Diameter		1-1/4" (31.7mm)	1-9/16" (39.7mm)
Die Thickness		5/8" (16mm)	19/32" (15mm)
Fits Station Number		#1 to #6	#9 and #10
ACCESSORIES			
WORK TABLES		MODEL WTS-12	MODEL WTM-12
Maximum gauge travel from punch centerline			
E to front		9-1/2" (241mm)	8-1/2" (216mm)
E to back		9-1/2" (241mm)	8-1/2" (216mm)
E to left		12" (305mm)	12-1/2" (317mm)
E to right		12" (305mm)	12-1/2" (317mm)
Maximum template size		9-1/2" x 19" (241mm x 483mm)	
Voltage		110 Volts, 60 Cycles or 220 Volts, 50 cycles (if specified)	
Table dimensions		5/16" x 22" x 24" (8mm x 559mm x 610mm)	
Net Weight		56# (26kg)	74# (34kg)
Shipping Weight		109# (50kg)	127# (58kg)
All Thor table tops are constructed of heavy duty, thick steel plates—stress relieved and precision ground to prevent warping and insure flatness. Thor worktables come equipped with necessary mounting hardware and a comprehensive instruction booklet.			
FLOOR STAND		MODEL FS-12	MODEL FS-12AH For Model 1210AH Punch Press
Net Weight		84# (38kg)	84# (38kg)
Shipping Weight		102# (47kg)	114# (52kg)
Thor's sturdy floor stand provides the press operator with two shelves and a storage tray for spare tooling.			
Specifications for the 1210 Series Turret Punch Presses, accessories and tooling are subject to change without notice.			

CE TOOLING, INC.

THOR TOOLING 1210-TH

Pricing is for Punch Tip Sizes .093" (2.3mm) to 1.000" (25.39mm) • Std. Die Clearance .009

Station →	A	B
Max. Diagonal	.750	1.0"
Punch Shank O.D.	.500	.500
Die O.D.	1.25	1.562
Die Height	.625	.610

Shaped Punches
Include .062 Wide
x .035 High Key



Sta.	Range	SHAPE	PUNCH (A2 Tool Steel)	PART#	PUNCH PRICE	DIE (S7 Tool Steel)	PART#	DIE PRICE
A	.093 - .500"	ROUND		THA1-Pr			THA1Dr	
		SHAPE		THA1-Ps			THA1Ds	
	.501-.75"	ROUND W/RTS		THA2-Pr			THA2-Dr	
		SHAPE W/RTS		THA2-Ps			THA2-Ds	
B	.750 -1.0"	ROUND W/RTS		THB-Pr			THB-Dr	
		SHAPE W/RTS		THB-Ps			THBDs	

TH1210 Starter Kit .125, .187, .250, .312, .375, .500, .625, .750, .875 & 1.000 Rd Sets @ \$898.00

Pricing for Sizes .093(2,3mm) & Less
Widths or Dia. Under .093 (2.36mm) Add 30% to set price
Widths or Dia. Under .062 (1.57mm) Add 50% to set price

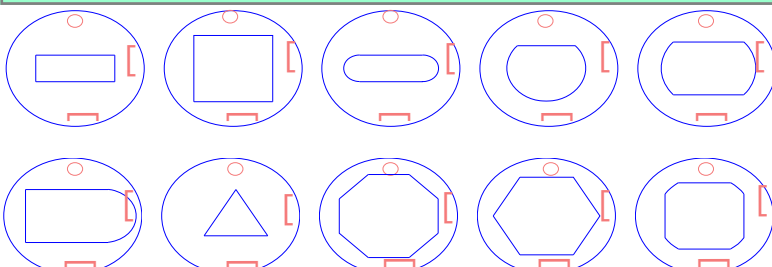
Shape punch & die are keyed @ 0° for 0 & 90°. Other angles available.

Minimal additional cost to Punch and to Die are applicable.

Go To Page 2 for ordering diagram for tools on Angles.

Extra Die Pin can be provided @ 0°, 180°, 45° & 135° at minimal additional cost.

Extra 180° Key on Punches available at additional cost.



C.E. TOOLING

Pricing Subject to Change With Out Notice

10 Standard Shapes can
ship in 2-5 work days.

May-13

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FABRICATING TOOLS
and Accessories for most
Punching, Bending and
Shearing Equipment



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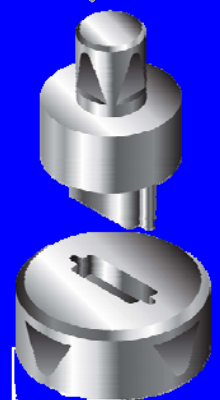
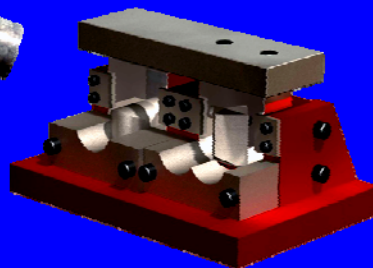
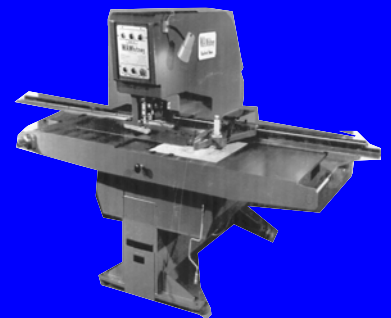
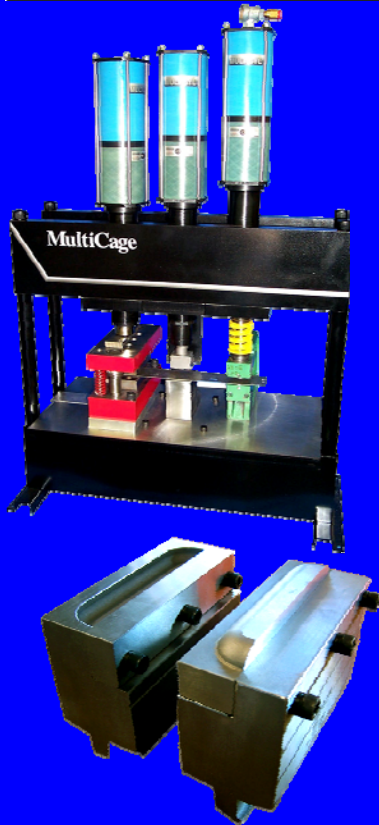
**FORMING AROUND
THE WORLD**



**MANUFACTURING TURRET PRESS
TOOLING SINCE 1966**

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