JUNITOOL NOTCHING UNITS

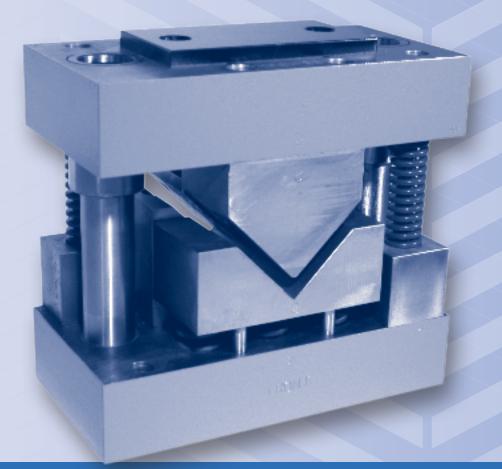
Corner Notch • V Notch Edge Notch

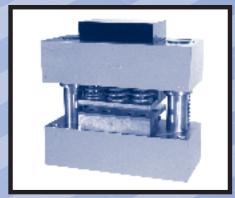
For Material Thickness up to 1/4" Mild Steel

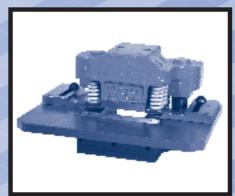
Self contained units for quick and accurate setups - with nothing attached to the ram of the press. Pilot pins are provided on the base of the unit for the accurate alignment of the unit on jig bored base plates or templates. The units have a standard shut height and die height. Punching units can be used in

the same setup with multiple punching and notching operation. A die clearance of .003 per side is provided on all corner notchers and vee to accommodate light gauge material. All units are manufactured with a slug ejection chute. To prevent "Jam-Up," the slugs should occasionally be removed.





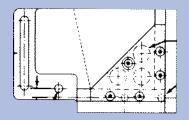




UNITTOOL PUNCH & DIE COMPANY INC.

Series H-100

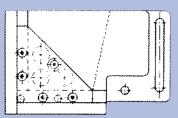
5×5 Heavy Duty 90° Corner Notching Units

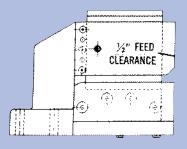


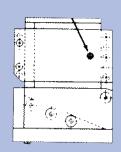
LEFT HAND UNIT

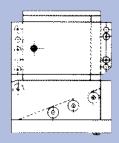
Maximum Material Capacity - 1/4" Mild Steel

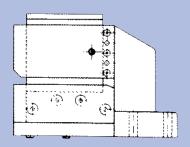
RIGHT HAND UNIT



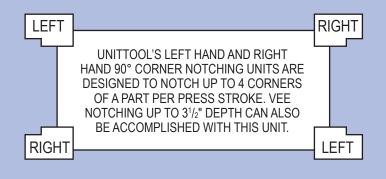


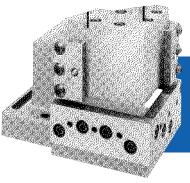






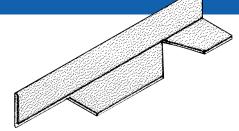
	Cat. No.	Weight
LEFT HAND UNIT	H-55-LCN	105 lbs.
RIGHT HAND UNIT	H-55-RCN	105 lbs.





SAME AS UNIT LISTED ABOVE EXCEPT PROVIDED **GIB DESIGN** WITH EXPOSED PUNCH BLADE FOR NOTCHING ANGLES. NOT RECOMMENDED FOR **GENERAL PURPOSE WORK.**

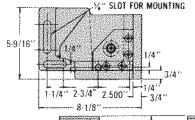
	Cat. No.	Weight
LEFT HAND UNIT	H-55-LCN-G	102 lbs.
RIGHT HAND UNIT	H-55-RCN-G	102 lbs.



Series H-100

3×3 Heavy Duty 90° Corner Notching Units

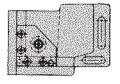


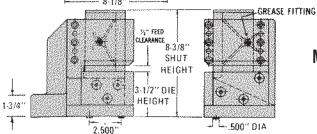




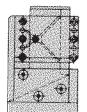
RIGHT HAND UNIT

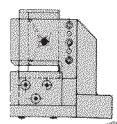




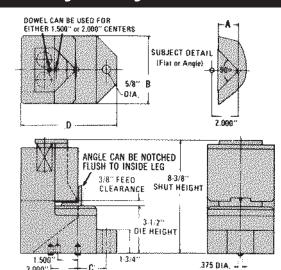


Maximum
Material Capacity –
1/4" Mild Steel

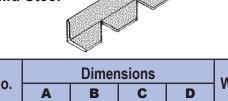




Heavy Duty 90° Vee Notching Units



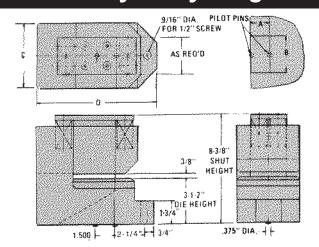




Cat No.		Dimer	nsions		Weight
Cat No.	A	В	C	D	vveigni
HV-1	1	3-1/2	1-11/16	6-1/8	34 lbs.
HV-1 ¹ / ₂	1-1/2	5	2-1/8	7	41 lbs.

Units for 60°, 45°, 30°, and other sizes are available. Ask for Quotation.

Heavy Duty Edge Notching Units



Vee & Edge Notching Units must be returned to factory for punch and die replacement.

Maximum Material Capacity – 1/4" Mild Steel

When Ordering – specify material thickness to be notched

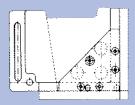


Catalog Number	Depth A	Width B	С	D	Catalog Number	Depth A	Width B	С	D	Catalog Number	Depth A	Width B	С	D
HEN-2Dx1W	2	1	4	81/4	HEN-2Dx5W	2	5	9	8 ¹ / ₄	HEN-2Dx9W	2	9	15	8 ¹ / ₄
HEN-3Dx1W	3	1	4	91/4	HEN-3Dx5W	3	5	9	91/4	HEN-3Dx9W	3	9	15	91/4
HEN-2Dx2W	2	2	5	81/4	HEN-2Dx6W	2	6	10	81/4	HEN-2Dx10W	2	10	16	81/4
HEN-3Dx2W	3	2	5	91/4	HEN-3Dx6W	3	6	10	91/4	HEN-3Dx10W	3	10	16	91/4
HEN-2Dx3W	2	3	6	81/4	HEN-2Dx7W	2	7	12	8 ¹ / ₄	HEN-2Dx11W	2	11	17	8 ¹ / ₄
HEN-3Dx3W	3	3	6	91/4	HEN-3Dx7W	3	7	12	91/4	HEN-3Dx11W	3	11	17	91/4
HEN-2Dx4W	2	4	8	81/4	HEN-2Dx8W	2	8	13	81/4	HEN-2Dx12W	2	12	18	81/4
HEN-3Dx4W	3	4	8	91/4	HEN-3Dx8W	3	8	13	91/4	HEN-3Dx12W	3	12	18	91/4

Series M-100

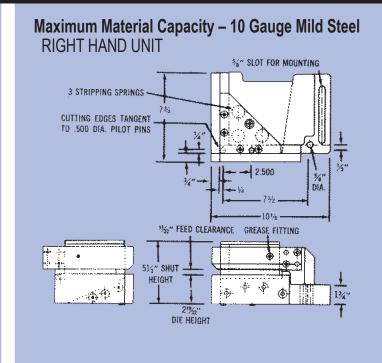
5×5 Medium Duty 90° Corner Notching Units

LEFT HAND UNIT

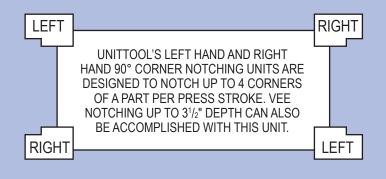


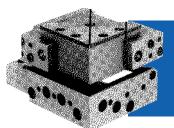






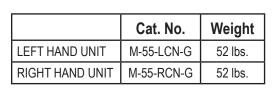
	Cat. No.	Weight
LEFT HAND UNIT	M-55-LCN	54 lbs.
RIGHT HAND UNIT	M-55-RCN	54 lbs.

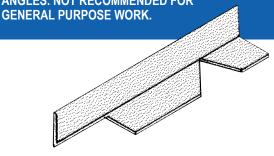




GIB DESIGN

SAME AS UNIT LISTED ABOVE EXCEPT PROVIDED WITH EXPOSED PUNCH BLADE FOR NOTCHING ANGLES. NOT RECOMMENDED FOR





Series M-100

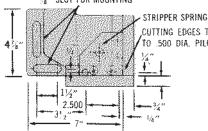
3×3 Medium Duty 90° Corner Notching Units

Cat. No.

M-33-LCN

M-33-RCN







RIGHT HAND UNIT

Weight

38 lbs.

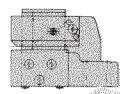
38 lbs.



Maximum Material Capacity – 10 Gauge Mild Steel



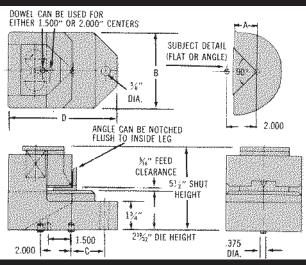




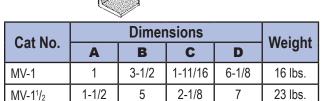
Medium Duty 90° Vee Notching Units

LEFT HAND UNIT

RIGHT HAND UNIT

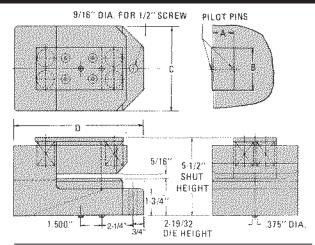


Maximum Material Capacity – 10 Gauge Mild Steel



Units for 60°, 45°, 30°, and other sizes are available. **Ask for Quotation.**

Medium Duty Edge Notching Units



Vee & Edge Notching Units must be returned to factory for punch and die replacement.

Maximum Material Capacity –
10 Gauge Mild Steel
When Ordering –

specify material thickness to be notched

SPECIAL UNITS AVAILABLE PLEASE SEND SKETCH FOR QUOTATION

Catalog Number	Depth A	Width B	С	D	Catalog Number	Depth A	Width B	С	D	Catalog Number	Depth A	Width B	C	D
MEN-2Dx1W	2	1	4	81/4	MEN-2Dx5W	2	5	8	81/4	MEN-2Dx9W	2	9	12	8 ¹ / ₄
MEN-3Dx1W	3	1	4	91/4	MEN-3Dx5W	3	5	8	91/4	MEN-3Dx9W	3	9	12	91/4
MEN-2Dx2W	2	2	5	81/4	MEN-2Dx6W	2	6	9	81/4	MEN-2Dx10W	2	10	13	81/4
MEN-3Dx2W	3	2	5	91/4	MEN-3Dx6W	3	6	9	91/4	MEN-3Dx10W	3	10	13	91/4
MEN-2Dx3W	2	3	6	81/4	MEN-2Dx7W	2	7	10	81/4	MEN-2Dx11W	2	11	14	81/4
MEN-3Dx3W	3	3	6	91/4	MEN-3Dx7W	3	7	10	91/4	MEN-3Dx11W	3	11	14	91/4
MEN-2Dx4W	2	4	7	81/4	MEN-2Dx8W	2	8	11	81/4	MEN-2Dx12W	2	12	15	81/4
MEN-3Dx4W	3	4	7	91/4	MEN-3Dx8W	3	8	11	91/4	MEN-3Dx12W	3	12	15	91/4

Series 200 Post Corner Notching Units



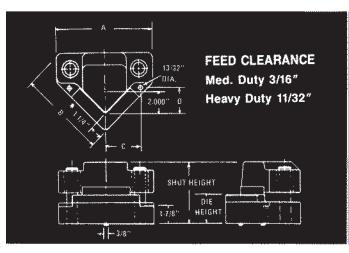
Perform left hand and right hand 90° corner notches or vee notch – with one tool...

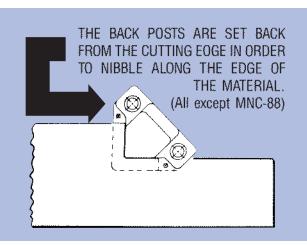
in flat stock or angle iron up to 8" \times 8" in $^{1}/_{8}$ " mild steel and up to 5" \times 5" in $^{1}/_{4}$ " mild steel



FOR JOBBING WORK OR HIGH PERFORMANCE WORK IN PUNCH PRESS, PRESS BREAK, ARBOR PRESS OR USE WITH AIR CYLINDER.

UNITS ARE MANUFACTURED WITH A SLUG EJECTION CHUTE. TO PREVENT "JAM-UP" THE SLUGS SHOULD OCCASIONALLY BE REMOVED.





* 2" Dim. for Model MNC-88

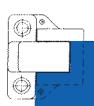
MEDIUM DUTY	Catalog Number	Maximum Notch Size	Maximum Depth of Vee	Α	В	С	D	Weight	Open Height
5-1/2" Shut Height	MNC-33	3 x 3	2-1/8	8-3/4	8	3-1/4	2-1/4	35	5-13/16
2-19/32" Die Height	MNC-55	5 x 5	3-17/32	12-7/8	10-1/2	4-3/4	3-3/4	56	5-13/16
Max. Mat'l. Thickness	MNC-66	6 x 6	4-1/4	13-1/2	11	5-1/2	4-1/2	76	5-13/16
1/8" Mild Steel	MNC-88	8 x 8	5-3/4	20	15	7	5	95	5-13/16
HEAVY DUTY	Catalog Number	Maximum Notch Size	Maximum Depth of Vee	Α	В	С	D	Weight	Open Height
8-3/8" Shut Height	HNC-33	3 x 3	2-1/8	8-3/4	8	3-1/4	2-1/4	59	8-27/32
3-1/2" Die Height	HNC-55	5 x 5	3-17/32	12-7/8	10-1/2	4-3/4	3-3/4	96	8-27/32
Max. Mat'l. Thickness	*HNC-66	6 x 6	4-1/4	13-1/2	11	5-1/2	4-1/2	120	8-27/32
1/4" Mild Steel *except HNC-66 is rated for 1/8" Mild Stl. MODEL MNC-88 CAN BE MODIFIED TO OPERATE AT 8-3/8" Shut Height & 3-1/2" Die Height - Max. Mat'l. Capacity - 1/8" Mild Ste PRICE ON APPLICATION						eel			

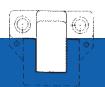
Series 200 Post Edge Notching Units

also used for corner notching, coping and strip stock cut-off.

STRIPPER PADS ARE FURNISHED ON THIS MODEL TO WIPE THE MATERIAL OFF THE PUNCH BLADES WHEN EDGE NOTCHING.

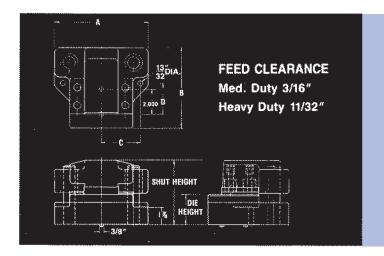




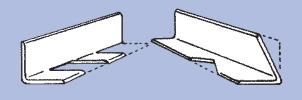




DIE HEIGHT AND SHUT HEIGHT ARE DESIGNED TO OPERATE IN SAME SET UP WITH "C" FRAME PUNCHING UNITS.







MEDIUM DUTY	Catalog Number	Maximum Notch Size	A	В	С	D	Weight	Open Height
5-1/2" Shut Height 2-19/32" Die Height Die 1/8" Max. Mat'l. Thickness	MNE-33	3 x 3	8	7-1/4	3-1/4	2-5/8	45	5-13/16
		1	1	1	T .			
HEAVY DUTY	Catalog Number	Maximum Notch Size	Α	В	С	D	Weight	Open Height

ADJUSTABLE NOTCHING GAUGES for Vee Notching & Corner Notching Units



Adjustable Side Gauge

for Series 100 - 5 × 5 & 3 × 3 Units

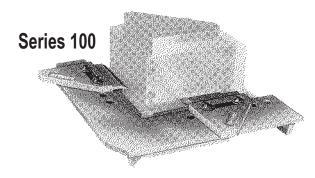
Cat No. AG-100-1

Adjustable 1-Piece Gauge with Built-In Scale 1/64" INCREMENTS

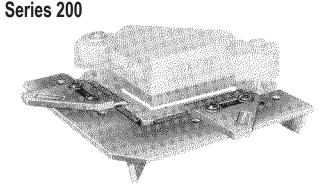
for Series 100 - 5 × 5 & 3 × 3 Units for Series $200 - 6 \times 6$, $5 \times 5 & 3 \times 3$ Units

(SPECIAL ADJUSTABLE GAUGE TABLE FOR MNC-88 AVAILABLE UPON REQUEST)

> Cat No. AG-100-3



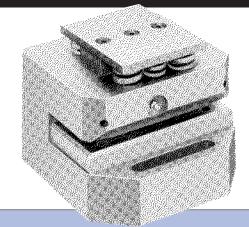
Gauge Plates for Gauge Tables



Cat No. GP-100-RH GP-100-LH

MOUNTING HOLES ARE NOT PROVIDED IN SERIES 200 UNITS. THEREFORE THE GAUGE SHOULD BE MOUNTED AT THE FACTORY TO INSURE ACCURACY.

CUSTOM DESIGN

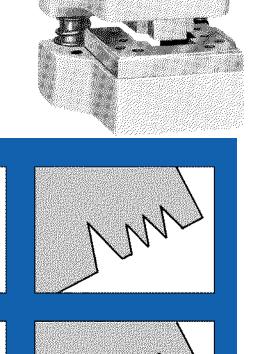




SPECIAL NOTCHING UNITS CAN BE PROVIDED FOR COMBINATION NOTCH AND PIERCE OPERATIONS AS WELL AS SPECIAL EDGE OR CORNER NOTCHING APPLICATIONS.

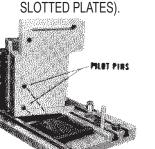
PRICE ON APPLICATION.

PLEASE SEND SKETCH FOR QUOTATION.



VARIOUS MOUNTING ARRANGEMENTS

ILLUSTRATION SHOWS SERIES 100 NOTCHING UNIT ON TEE SLOTTED PLATE – (REMOVE PILOT PINS FROM BOTTOM OF NOTCHING UNIT WHEN MOUNTING ON TEE



(See Accessory Catalog for Tee Slotted Plates, Bed Rails and Spacers)

ILLUSTRATION SHOWS SERIES 100 NOTCHING UNIT BEING SET UP ON BR-800 BED RAIL WITH USE OF BED RAIL SPACER.

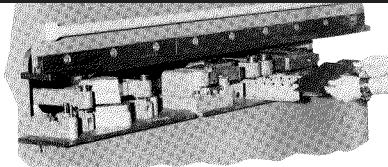


ILLUSTRATION TO SHOW TEMPLATE OR BASE PLATE SETUP WITH MEDIUM DUTY PUNCHING AND NOTCHING UNITS.

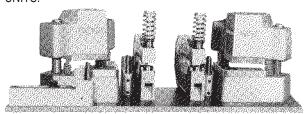


ILLUSTRATION SHOWS SERIES 200 NOTCHING UNITS AND HEAVY DUTY PUNCHING UNITS SET UP ON BASE PLATE OR TEMPLATE.

TONNAGE CHART

APPROXIMATE PRESSURES REQUIRED FOR NOTCHING MILD STEEL

METAL	Gauge	20	18	16	14	12	11	10	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	1"
THICKNESS	Decimal	.036	.048	.060	.075	.105	.120	.135	.187	.250	.375	.500	.625	.750	1.000
TONS REQU		.90	1.20	1.50	1.87	2.63	3.00	3.38	4.68	6.25	9.38	12.5	15.75	18.75	25.00

FORMULA FOR NOTCHING MILD STEEL BASED ON 25 TONS PER SQUARE INCH TOTAL SHEAR LENGTH X MATERIAL THICKNESS X 25 = TONNAGE

MULTIPLIER CHART

THE MULTIPLES SHOWN OPPOSITE MAY BE USED TO CONVERT THE ABOVE CHART AND FORMULA TO FIND TONNAGE REQUIRED TO NOTCH OTHER MATERIAL.

FOR EXAMPLE: –
IT REQUIRES 1.5 TONS TO NOTCH
1" OF 16-GAUGE MILD STEEL –
STAINLESS STEEL (18-8), WOULD
REQUIRE 1.5 X 1.4 (MULTIPLIER) OR
2.1 TONS.

MATERIAL DESCRIPTION	TONS PER SQ. IN.	YIELD OR SHEAR STRENGTH PSI	MULTIPLIER
Aluminium - Soft Sheet	71/2	15,000 P.S.I.	.30
Aluminium - Half Hard	91/2	19,000 P.S.I.	.38
Aluminium - Hard	12	25,000 P.S.I.	.50
Brass - Soft Sheet	15	30,000 P.S.I.	.60
Brass - Half Hard	171/2	35,000 P.S.I.	.70
Copper - Rolled	14	28,000 P.S.I.	.57
Steel - Mild	25	50,000 P.S.I.	1.00
Steel - ASTM-A36	30	60,000 P.S.I.	1.20
Steel - 50 Carbon	35	70,000 P.S.I.	1.40
Steel - Cold Drawn	30	60,000 P.S.I.	1.20
Steel - Stainless (18-8)	35	70,000 P.S.I.	1.40

FRACTION AND DECIMAL EQUIVALENTS

		64	.015625		4-	33 64	.515625
		32	.03125		17 32		.53125
		<u>3</u> 64	.046875		_	35 64	.546875
	1 16		.0625	-	9 16		.5625
		<u>5</u> 64	.078125			37 64	.578125
		32	.09375		19 32		.59375
		<u>7</u> 64	.109375			39 64	.609375
1 -	8		.125	5 -	8 –		.625
		<u>9</u> 64	.140625			<u>41</u> 64	.640625
		32	.15625		21 32		.65625
		<u>11</u> 64	.171875			<u>43</u> 64	.671875
	<u>3</u> 16		.1875	-	<u>11</u> 16		.6875
		64	.203125			45 64	.703125
		7 32	.21875		23 32	-	.71875
		15 64	.234375			47 64	.734375
1 -	4	47	.25	3 -	4 –	40	.75
		64	.265625			49 64	.765625
		9 32	.28125		<u>25</u> 32		.78125
	_	<u>19</u> 64	.296875		4.0	<u>51</u> 64	.796875
	5 16		.3125	-	13 16		.8125
		64	.328125		-	53 64	.828125
		32	.34375		<u>27</u> 32		.84375
		<u>23</u> 64	.359375			55 64	.859375
3 -	8		.375	7 -	8 –		.875
		25 64	.390625		20	<u>57</u> 64	.890625
		32	.40625		<u>29</u> 32	<u>-</u>	.90625
	7	<u>27</u> 64	.421875		4.5	<u>59</u> 64	.921875
	7 16	20	.4375	-	1 <u>5</u> 16	64	.9375
		<u>29</u> 64	.453125		24	61 64	.953125
		32	.46875		31 32		.96875
		31 64	.484375			63 64	.984375
1 -	2		.5	1	_		1.
				1			

USEFUL INFORMATION

To find the circumference of a circle multiply diameter by 3.1416.

To find diameter of a circle multiply circumference by .31831.

To find area of a circle multiply square of diameter by .7854.

Area of rectangle = length multiplied by breadth. Doubling the diameter of a circle increases its area four times.

To find area of a triangle multiply base by $^{1}\!/_{2}$ perpendicular height.

Area of ellipse = product of both diameters x .7854.

Area of parallelogram = base x altitude.

To find side of an inscribed square multiply diameter by 0.7071 or multiply circumference by 0.2251 or divide circumference by 4.4428.

United States Standard Gauge

(Revised)

Manufacturers' Standard Gage for Sheet Steel

Based on 0.0014945 in. per oz. per sq. ft.; 0.023912 in. per lb. per sq. ft. (reciprocal of 41.820 lb. per sq. ft. per in. thick); 3.443329 in. per lb. per sq. in

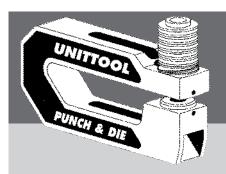
Standard Gage No.	Thickness Inches Decimal Equivalent	Ounces per Sq. Ft.	Pounds per Square Inch	Pounds per Square Foot
3 4 5 6 7 8 9	0.2391 .2242 .2092 .1943 .1793 .1644 .1495 .1345	160 150 140 130 120 110 100 90	0.069444 .065104 .060764 .056424 .052083 .047743 .043403 .039062	10.0000 9.3750 8.7500 8.1250 7.5000 6.8750 6.2500 5.6250
11 12 13 14 15 16 17 18 19	.1196 .1046 .0897 .0747 .0673 .0598 .0538 .0478 .0418	80 70 60 50 45 40 36 32 28 24	.034722 .030382 .026042 .021701 .019531 .017361 .015625 .013889 .012153 .010417	5.0000 4.3750 3.7500 3.1250 2.8125 2.5000 2.2500 2.0000 1.7500 1.5000
21 22 23 24 25 26 27 28 29 30	.0329 .0299 .0269 .0239 .0209 .0179 .0164 .0149 .0135 .0120	22 20 18 16 14 12 11 10 9 8	.0095486 .0086806 .0078125 .0069444 .0052083 .0047743 .0043403 .0039062 .0034722	1.3750 1.2500 1.1250 1.0000 0.87500 .75000 .68750 .62500 .56250 .50000
32 33 34 35 36 37 38	.0097 .0090 .0082 .0075 .0067 .0064	6.5 6 5.5 5 4.5 4.25 4	.0028212 .0026042 .0023872 .0021701 .0019531 .0018446	.40625 .37500 .34375 .31250 .28125 .26562 .25000

Decimal Equivalents of Number Size Drills

_	No.	Size of Drill in Inches	No.	Size of Drill in Inches	No.	Size of Drill in Inches
	1	0.2280	21	0.1590	41	0.0960
	2	0.2210	22	0.1570	42	0.0935
	3	0.2130	23	0.1540	43	0.0890
	4	0.2090	24	0.1520	44	0.0860
	5	0.2055	25	0.1495	45	0.0820
	6	0.2040	26	0.1470	46	0.0810
	7	0.2010	27	0.1440	47	0.0785
	8	0.1990	28	0.1405	48	0.0760
	9	0.1960	29	0.1360	49	0.0730
	10	0.1935	30	0.1285	50	0.0700
	11	0.1910	31	0.1200	51	0.0670
	12	0.1890	32	0.1160	52	0.0635
	13	0.1850	33	0.1130	53	0.0595
	14	0.1820	34	0.1110	54	0.0550
	15	0.1800	35	0.1100	55	0.0520
	16	0.1770	36	0.1065	56	0.0465
	17	0.1730	37	0.1040	57	0.0430
	18	0.1695	38	0.1015	58	0.0420
	19	0.1660	39	0.0995	59	0.0410
	20	0.1610	40	0.0980	60	0.0400

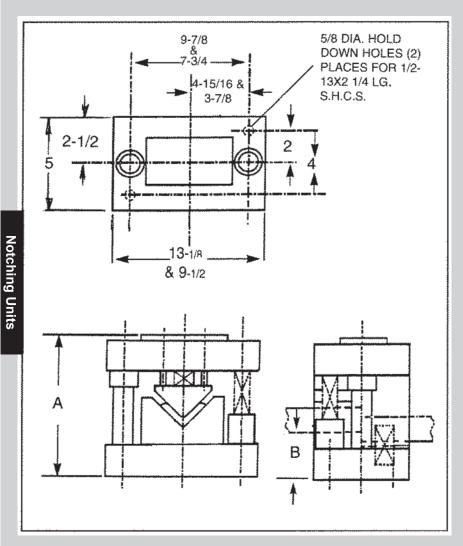
Decimal Equivalents of Letter Size Drills

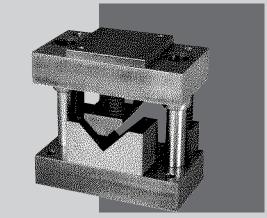
Letter	Size of Drill in Inches	Letter	Size of Drill in Inches	Letter	Size of Drill in Inches
S	0.348	L	0.290	Е	0.250
R	0.339	K	0.281	D	0.246
Q	0.332	J	0.277	С	0.242
Р	0.323	I	0.272	В	0.238
0	0.316	Н	0.266	Α	0.236
N	0.302	G	0.261		
M	0.295	F	0.257		

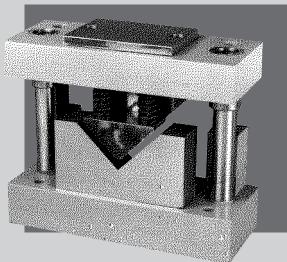


HAC HEAVY DUTY ANGLE CUTOFF UNIT

Unittool's heavy duty angle cutoff units are self-contained (2 post) die set designed. These units incorporate pressure pads in the front and rear. There are (2) mounting holes for securing this unit to a mounting plate or press bed. This unit can be mounted in a press or press brake as a stand alone cut to length tool for angle cut-off applications on structural angle iron up to 3 x 3-1/4 maximum thickness.

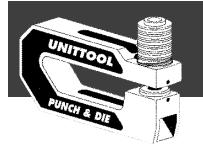






Medium Duty 2 x 2

	Α	В		
PART NUMBER	SHUT HEIGHT	DIE HEIGHT	OPEN HEIGHT	MAX. MATL THICKNESS
HAC22	8.375	3.062	9.125	.250
HAC33	11.125	4.125	11.875	.250

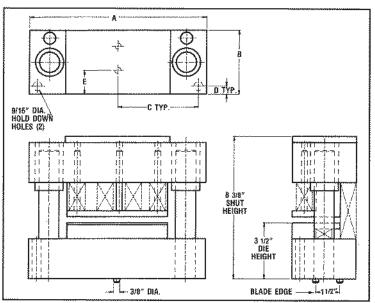


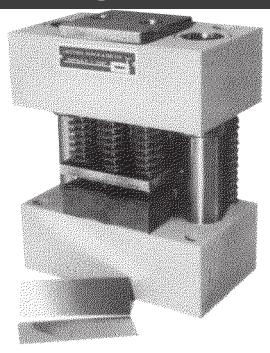
HEAVY-DUTY SHEARING DIES

BULLETIN SD-01

EFFECTIVE Feb. 15, 2001

"H" Series Cut-Off Shearing Dies are available in widths from 2" through 18" in 2 inch increments





- Maximum Material Capacity 1/4" Mild Steel
- Minimum Material Thickness 22 gauge (.0299)*
- Feed Clearance 3/8"

CATALOG NUMBER	SHEAR BLADE LENGTH	A	В	C	D	Ε	WEIGHT	OPEN HEIGHT
HSD-2	2"	7	4	3	1/2	2	50	83/4
HSD-4	4"	9	4	4	1/2	2	65	83/4
HSD-6	6"	11	4	5	1/2	2	80	83/4
HSD-8	8"	13	4	6	1/2	2	90	83/4
HSD-10	10"	15	4	7	1/2	2	100	83/4
HSD-12	12"	17	4	8	1/2	2	115	83/4
HSD-14	14"	19	5	9	1/2	2 ¹ / ₂	160	83/4
HSD-16	16"	21	5	10	1/2	2 ¹ / ₂	185	83/4
HSD-18	18"	23	5	11	1/2	21/2	210	83/4

These units are designed to work in conjunction with Unittool "H" series hole punching & notching units for flat stock cut-off or part-trimming up to 1/4" mild steel. Typical press set-ups may include 'C' Frame hole piercing units, corner or edge notch units followed by a shearing die to accomplish a multiple part fabrication in one unit.

* UNIT CAN BE SUPPLIED FOR SHEARING THIN MATERIAL. CONSULT FACTORY FOR DETAILS. UNIT MUST BE RETURNED FOR REPLACEMENT OF BLADES.

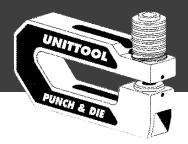
RETURNED MERCHANDISE TERMS – NET 30 Days, F.O.B., our plant, Buffalo, NY. Prices subject to change without notice. Merchandise may not be returned for credit without written authorization. Authorized returned merchandise must be shipped prepaid. Standard parts, round punches and dies are subject to a handling and restocking charge. Shaped punches and dies, in most cases, are not acceptable. Custom-made equipment is not returnable.

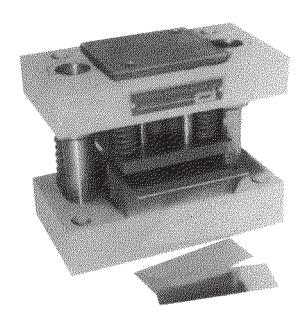
UNITTOOL PUNCH & DIE CO. INC.

BULLETIN SD-01

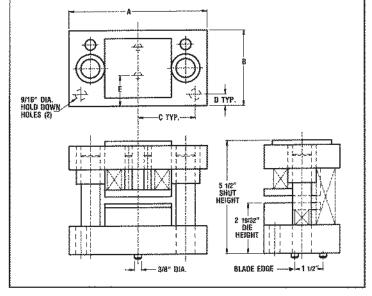
EFFECTIVE Feb. 15, 2001

MEDIUM-DUTY





"M" Series Cut-Off Shearing Dies are available in widths from 2" through 18" in 2 inch increments



- Maximum Material Capacity 10 gauge Mild Steel
 Minimum Material Thickness 22 gauge (.0299)*
- Feed Clearance 5/16"

CATALOG NUMBER	SHEAR BLADE LENGTH	A	В	C	D	Ε	WEIGHT	OPEN HEIGHT
MSD-2	2"	7	4	3	1/2	2	30	6
MSD-4	4"	9	4	4	1/2	2	40	6
MSD-6	6"	11	4	5	1/2	2	50	6
MSD-8	8"	13	4	6	1/2	2	60	6
MSD-10	10"	15	4	7	1/2	2	70	6
MSD-12	12"	17	4	8	1/2	2	80	6
MSD-14	14"	19	5	9	1/2	2 ¹ / ₂	120	6
MSD-16	16"	21	5	10	1/2	2 ¹ / ₂	145	6
MSD-18	18"	23	5	11	1/2	21/2	170	6

These units are designed to work in conjunction with Unittool "M" series hole punching & notching units for flat stock cut-off or part sizing up to 10 gauge mild steel. Incorporating a self-contained shearing unit with a hole punching & notching set-up can eliminate one or more part-sizing steps that yield a cost effective method.

UNIT CAN BE SUPPLIED FOR SHEARING THIN MATERIAL. CONSULT FACTORY FOR DETAILS. UNIT MUST BE RETURNED FOR REPLACEMENT OF BLADES.

WARNING:

Operating set up should be guarded to comply with applicable standards for operator safety.