

CLEARANCE GUIDE FOR PUNCHING MILD STEEL

Thickness of Mild Steel								
Punch Size	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1"
3/16	13/64							
1/4	17/64							
5/16	21/64	11/32						
3/8	25/64	13/32	13/32					
7/16	29/64	15/32	15/32					
1/2	33/64	17/32	17/32	9/16				
9/16	37/64	19/32	19/32	5/8				
5/8	41/64	21/32	21/32	11/16	11/16			
11/16	45/64	23/32	23/32	3/4	3/4			
3/4	49/64	25/32	25/32	13/16	13/16	27/32		
13/16	53/64	27/32	27/32	7/8	7/8	29/32		
7/8	57/64	29/32	29/32	15/16	15/16	31/32	31/32	
15/16	61/64	31/32	31/32	1	1	1-1/32	1-1/32	
1	1-1/64	1-1/32	1-1/32	1-1/16	1-1/16	1-3/32	1-3/32	1-1/8
1-1/16	1-5/64	1-3/32	1-3/32	1-1/8	1-1/8	1-5/32	1-5/32	1-3/16
1-1/8	1-9/64	1-5/32	1-5/32	1-3/16	1-3/16	1-7/32	1-7/32	1-1/4
1-3/16	1-13/64	1-7/32	1-7/32	1-1/4	1-1/4	1-9/32	1-9/32	1-5/16
1-1/4	1-17/64	1-9/32	1-9/32	1-5/16	1-5/16	1-11/32	1-11/32	1-3/8
1-5/16	1-21/64	1-11/32	1-11/32	1-3/8	1-3/8	1-13/32	1-13/32	1-7/16
1-3/8	1-25/64	1-13/32	1-13/32	1-7/16	1-7/16	1-15/32	1-15/32	1-1/2
1-7/16	1-29/64	1-15/32	1-15/32	1-1/2	1-1/2	1-17/32	1-17/32	1-9/16
1-1/2	1-33/64	1-17/32	1-17/32	1-9/16	1-9/16	1-19/32	1-19/32	1-5/8

**Die
Sizes**

RECOMMENDED TONNAGE REQUIREMENTS FOR PUNCHING MILD STEEL

Thickness of Mild Steel		Punch Size															
		3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16	1"	1-1/8	1-1/4
3/16	.187	3	4	5	6	7	7	8	9	10	11	12	13	14	15	17	19
1/4	.250		5	6	8	9	10	11	12	14	15	16	18	19	20	22	25
3/8	.375				11	13	15	17	19	21	22	24	26	28	30	34	38
1/2	.500						20	22	25	28	30	32	35	38	40	45	50
5/8	.625								31	34	38	41	44	47	50	56	62
3/4	.750										45	49	52	56	60	68	75
7/8	.875												61	66	70	79	88
1	1.000														80	90	100

**Tonnage
Required**

For reference only. There are many variables in punching applications. Refer to your machine manual for manufacturer recommendations.