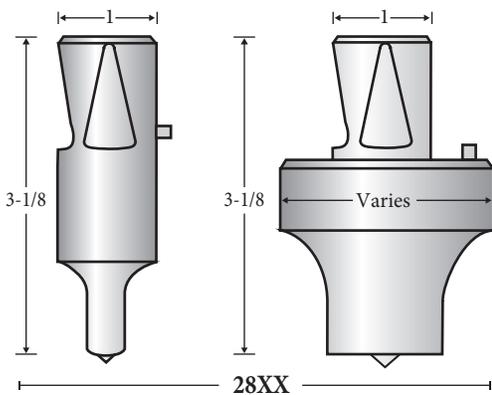


28XX Punches and Dies

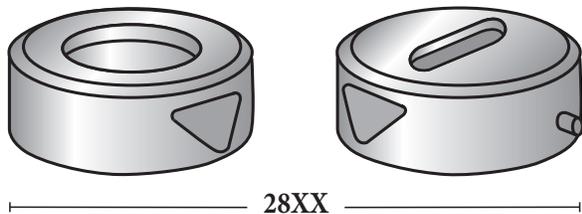
PUNCHES



28XX Punches		
Shoulder	Max Round Size	Max Square Size
1"	1"	11/16"
1-1/2"	1-1/2"	1-1/16"
2"	2"	1-13/32"
2-1/2"	2-1/2"	1-3/4"
3"	3"	2-1/8"
3-1/2"	3-1/2"	2-15/32"
4"	4"	2-13/16"
4-1/2"	4-1/2"	3-3/16"
5"	5"	3-17/32"

Shoulder size on 28XX style punches will vary depending on hole size, from a straight shank (no shoulder) punch to a 5 inch shoulder for punching up to 5 inch round holes. Consult the chart above for the shoulder size for your hole requirements.

DIES



28XX Dies			
Outside Diameter (D)	Height (H)	Max Round size	Max Square size
1-1/4"	5/8"	.824	.582
2-1/8"	7/8"	1.465	1.036
2-3/4"	1-5/32"	2.012	1.423
3-3/4"	1-5/32"	3.012	2.130
4-3/4"	1-5/32"	4.012	2.837
5-3/4"	1-25/32"	5.012	3.562

Outside Diameter and Height of 28XX Dies varies according to hole size. The chart shows recommended OD and Height to maintain die wall thickness.