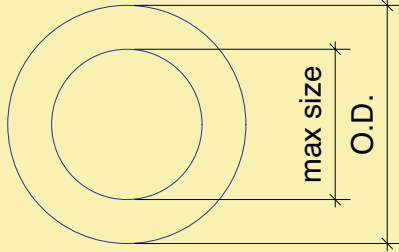


Standard Round Drawing Dies



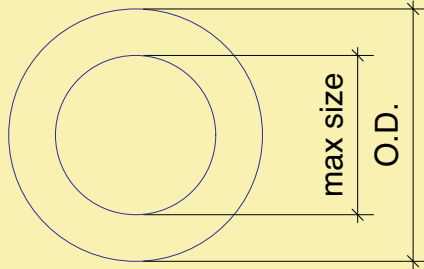
General Notes

1. The maximum hole sizes recommended by UDICO are a general guide and be varied according to drafts taken and the material to be drawn
2. Dies with High Nibs are generally used in connection with heavy drafts or where longer bearings are required.
3. The casing sizes recommended by UDICO are a general guide and can be customized to meet customer specifications.

Standard Nibs				Standard Casing	
Symbol	O.D.	Height	Max. Size	O.D.	Height
R1	0.325	0.240	0.100	1	0.5
R2	0.325	0.330	0.130	1	0.5625
R3	0.450	0.380	0.185	1.25	0.75
R4	0.500	0.450	0.230	1.25	0.75
R5	0.625	0.600	0.280	1.25	0.75
R6	0.710	0.700	0.350	1.5	0.875
R7	0.768	0.768	0.425	2	1.125
R8	1.000	0.820	0.562	3	1.375
R9	1.187	0.820	0.687	3	1.75
R10	1.500	1.000	0.875	3 - 4	2
R11	1.830	1.250	1.187	4	2.25
R12	2.185	1.375	1.500	4	2.375
R14	2.560	1.375	1.750	6	2.5
R15	3.000	1.375	2.125	6 - 7	2.5
R16	3.500	1.375	2.500	6 - 7	2.5
R17	4.000	1.500	3.000	7 - 9	2.5 - 3
R17.3	4.500	1.625	3.250	7 - 9	2.5 - 3
R17.5	4.750	1.750	3.500	8 - 11	3 - 3.5
R17.6	5.000	1.875	3.750	8 - 11	3 - 3.5
R18	5.500	2.125	4.000	9 - 11	4
R18.5	6.000	2.125	4.250	10 - 13	4
R19	6.500	2.125	4.500	10 - 13	4
R19.5	7.000	2.125	5.000	12 - 14	4
R20	7.500	2.375	5.500	12 - 14	4
R20.5	8.000	2.500	6.000	13 - 15	4.5
R21	8.500	2.500	6.500	13 - 15	4.5
R21.5	9.000	3.000	7.000	14 - 16	5
R22	9.500	3.000	7.500	14 - 16	5
R22.5	10.000	3.250	8.000	16	5.5
R23	10.500	3.250	8.500	16	5.5
R23.5	11.000	3.500	9.000	18+	6

All units are in inches and * denotes built to customer specifications

High Nib Round Drawing Dies



General Notes

1. The maximum hole sizes recommended by UDICO are a general guide and be varied according to drafts taken and the material to be drawn
2. Dies with High Nibs are generally used in connection with heavy drafts or where longer bearings are required.
3. The casing sizes recommended by UDICO are a general guide and can be customized to meet customer specifications.

High Nibs				Standard Casing	
Symbol	O.D.	Height	Max. Size	O.D.	Height
R8H	1.000	1.000	0.562	3.0	1.375
R9H	1.187	1.000	0.687	3.0	1.75
R10H	1.500	1.1875	0.875	3 - 4	2
R11H	1.830	1.375	1.187	4.0	2.25
R12H	2.185	1.500	1.437	4.0	2.375
R14H	2.560	1.625	1.687	6.0	2.5
R15H	3.000	1.750	2.000	6 - 7	2.5
R16H	3.500	1.750	2.375	6 - 7	2.5
R17H	4.000	1.875	2.875	7 - 9	2.5 - 3
R17.3H	4.500	2.000	3.125	7 - 9	2.5 - 3
R17.5H	4.750	2.125	3.375	8 - 11	3 - 3.5
R17.6H	5.000	2.250	3.625	8 - 11	3 - 3.5
R18H	5.500	2.375	3.875	9 - 11	4
R18.5H	6.000	2.375	4.125	10 - 13	4
R19H	6.500	2.375	4.375	11 - 13	4
R19.5H	7.000	2.500	4.875	12 - 14	4
R20H	7.500	2.625	5.375	12 - 14	4
R20.5H	8.000	2.750	5.875	13 - 15	4.5
R21H	8.500	2.750	6.375	13 - 15	4.5
R21.5H	9.000	3.250	6.875	14 - 16	5
R22H	9.500	3.250	7.375	14 - 16	5
R22.5H	10.00	3.500	7.875	16	5.5
R23H	10.50	3.500	8.375	16	5.5
R23.5H	11.00	3.750	8.875	18+	6