

# Tungsten Carbide Standard Rough Cored Round Hole Dies (IN)

Nib Number	Reduction Angle	Grade	Standard Rough Cored Hole Sizes				Max. Hole Size	Nib O.D.	Nib Height	Casing O.D.	Casing Height
R-2	12	FW6	.004"	.006"	.007"	.008"	.128"	.325"	.330"	1" or 1 1/2"	9/16" or 3/4"
			.009	.010	.012	.014					
			.015	.016	.018	.020					
			.022	.025	.028	.030					
			.035	.040	.045	.050					
			.055	.060	.065	.070					
			.080								
R-2	16	FW6	.015	.020	.022	.025	.128	.325	.330	1 or 1 1/2	9/16 or 3/4
			.028	.030	.035	.040					
			.045	.050	.055						
R-3	12	FW6	.015	.025	.040	.055	.182	.450	.380	1 or 1 1/2	9/16 or 3/4
R-4	12	FW6	.015	.018	.025	.030	.230	.500	.450	1 1/4 or 1 1/2	7/8
			.035	.040	.055	.060					
			.085								
R-4	16	FW6	.035	.100	.070	.085	.230	.500	.450	1 1/4 or 1 1/2	7/8
R-5	12	FW6	.025	.030	.035	.040	.280	.625	.600	1 1/4 or 1 1/2	7/8
			.045	.050	.055	.060					
			.065	.070	.075	.080					
			.085	.100	.105	.120					
			.140								
R-5	16	FW6	.030	.035	.040	.045	.280	.625	.600	1 1/4 or 1 1/2	7/8
			.050	.055	.060	.065					
			.070	.075	.080	.085					
			.090	.095	.100	.105					
			.110	.115	.120	.130					
			.140	.150	.160	.170					
R-6	16	FW12	.040	.055	.085	.120	.350	.710	.700	1 1/2 or 2	1 1/8
			.150	.200							
R-7	16	FW12	.120	.230	.290	.350	.425	.768	.768	2 or 3	1 3/8
R-8	16	FW12	.230	.290	.350	.420	.516	1.00	.820	3	1 3/4
R-9	16	FW12	.350	.420	.480	.545	.687	1.187	.820	3	1 3/4
			.605								
R-10	16	FW12	.480	.545	.605	.670	.875	1.50	1.00	3 or 4	2
			.730								
R-11	16	FW12	.725	.850	.975	1.10	1.25	1.83	1.25	4	2 1/4
R-12	16	FW12	.975	1.10	1.225	1.35	1.50	2.185	1.375	4	2 3/8
R-14	22	FW12	1.225	1.35	1.475	1.60	1.75	2.56	1.375	6 or 7	2 1/2
R-15	22	FW12	1.475	1.60	1.725	1.85	2.25	3.00	1.375	6 or 7	2 1/2
			1.975								
R-16	22	FW15	1.85	1.975	2.10	2.225	2.50	3.50	1.375	6 or 7	2 1/2
			2.35								
R-17	30	FW15	2.225	2.35	2.475	2.60	3.00	4.00	1.50	9	3
			2.725								
R-18	Made to specs.	FW15					3.75	5.50	2.125	11	4 1/2
R-19	Made to specs.	FW15					4.50	6.50	2.125	13	4 1/2

All back relief angles R-2 through R-6 are 90°; R-7 through R-12 are 30°.

All dimensions in inches.

## How to order tungsten carbide round hole dies

To assure prompt service please make sure the following information appears on the order.

### Finished (polished)

1. Nib Number (R-Series)
2. Casing Dimensions
3. Hole Size
4. Hole Size Tolerance
5. Reduction Angle
6. Bearing Length
7. Carbide Grade
8. Back Relief Angle
9. Quantity per Hole Size
10. Wire Material

### Rough Core

1. Nib Number (R-Series)
2. Casing Dimensions
3. Hole Size
4. Reduction Angle
5. Carbide Grade
6. Back Relief Angle
7. Quantity per Hole Size

Fort Wayne Wire Die does attempt to maintain a sufficient inventory of the above sizes at all times. However, inventory is subject to prior sales. Please check when ordering.



# Fort Wayne Wire Die, Inc.

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