

Tungsten Carbide Standard Rough Cored Round Hole Dies (MM)

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	0.10mm	0.15mm	0.18mm	0.20mm	3.25mm	8.26mm	8.38mm	25.4mm or 38.1mm	14.3mm or 19.1mm
			0.23	0.25	0.30	0.36					
			0.38	0.41	0.46	0.51					
			0.56	0.64	0.71	0.76					
			0.89	1.02	1.14	1.27					
			1.40	1.52	1.65	1.78					
			2.03								
R-2	16	FW6	0.38	0.51	0.56	0.64	3.25	8.26	8.38	25.4 or 38.1	14.3 or 19.1
			0.71	0.76	0.89	1.02					
			1.14	1.27	1.40						
R-3	12	FW6	0.38	0.64	1.02	1.40	4.62	11.43	9.65	31.8 or 38.1	19.1
R-4	12	FW6	0.38	0.46	0.64	0.76	5.84	12.70	11.43	31.8 or 38.1	22.2
			0.89	1.02	1.40	1.52					
			2.16								
R-4	16	FW6	0.89	1.14	1.78	2.16	5.84	12.70	11.43	31.8 or 38.1	22.2
			2.54	3.30							
R-5	12	FW6	0.64	0.76	0.89	1.02	7.11	15.88	15.24	31.8 or 38.1	22.2
			1.14	1.27	1.40	1.52					
			1.65	1.78	1.91	2.03					
			2.16	2.54	2.67	3.05					
			3.56								
R-5	16	FW6	0.76	0.89	1.02	1.14	7.11	15.88	15.24	31.8 or 38.1	22.2
			1.27	1.40	1.52	1.65					
			1.78	1.91	2.03	2.16					
			2.29	2.41	2.54	2.67					
			2.79	2.92	3.05	3.30					
			3.56	3.81	4.06	4.32					
R-6	16	FW12	1.02	1.40	2.16	3.05	8.89	18.03	17.78	38.1 or 50.8	28.6
			3.81	5.08							
R-7	16	FW12	3.05	5.84	7.37	8.89	10.80	19.51	19.51	50.8 or 76.2	34.9
R-8	16	FW12	5.84	7.37	8.89	10.67	13.11	25.40	20.83	76.2	44.5
R-9	16	FW12	8.89	10.67	12.19	13.84	17.45	30.15	20.83	76.2	44.5
			15.37								
R-10	16	FW12	12.19	13.84	15.37	17.02	22.23	38.10	25.40	76.2 or 101.6	50.8
			18.54								
R-11	16	FW12	18.42	21.59	24.77	27.94	31.75	46.48	31.75	101.6	57.2
R-12	16	FW12	24.77	27.94	31.12	34.29	38.10	55.50	34.93	101.6	60.3
R-14	22	FW12	31.12	34.29	37.47	40.64	44.45	65.02	34.93	152.4 or 177.8	63.5
R-15	22	FW12	37.47	40.64	43.82	46.99	57.15	76.20	34.93	152.4 or 177.8	63.5
			50.17								
R-16	22	FW15	46.99	50.17	53.34	56.52	63.50	88.90	34.93	152.4 or 177.8	63.5
			59.69								
R-17	30	FW15	56.52	59.69	62.87	66.04	76.20	101.60	38.10	228.6	76.2
			69.22								
R-18	Made to specs.	FW15	Made to specifications			95.25	139.70	53.98	279.4	114.3	
R-19	Made to specs.	FW15	Made to specifications			114.30	165.10	53.98	330.2	114.3	

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

All dimensions in millimeters.

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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