



HIGH PERFORMANCE HYDRA DRILL

Hydra Drill Head

R960

2.1 2.2 2.3 2.4 3.1 3.2 3.3 3.4 4.1 4.2 4.3 5.1 5.2 5.3

Replaceable heads in tough micro-grain carbide for quick and easy tool changes. High productivity across a wide range of stainless steel, cast iron & heat resistant materials. Superior hole accuracy and precise repeatable tolerances. Special Ti-phos coating for longer tool life.



R960
Coolant
Through



15/32 - 30.50

* For more benefits on Hydra, see page 195

d ₁ Ø Inch	d ₁ Ø mm	d ₁ decimal Inch	l ₁ mm	Pack Qty	R960
15/32	11.91	0.4689	9.1	1	0013472
	12.00	0.4724	9.1	1	0013489
	12.10	0.4764	9.1	1	0038338
	12.20	0.4803	9.1	1	0038376
31/64	12.30	0.4843	9.1	1	0013496
	12.50	0.4921	9.4	1	0013519
	12.60	0.4961	9.4	1	0038413
1/2	12.70	0.5000	9.4	1	0013526
	12.80	0.5039	9.4	1	0038437
	12.90	0.5079	9.4	1	0038451
	13.00	0.5118	9.7	1	0013533
33/64	13.10	0.5157	9.7	1	0013540
	13.20	0.5197	9.7	1	0038468
17/32	13.49	0.5311	9.7	1	0013557
	13.50	0.5315	10.3	1	0016022
	13.60	0.5354	10.3	1	0038499
	13.70	0.5394	10.3	1	0038529
	13.80	0.5433	10.3	1	0038543
35/64	13.89	0.5469	10.3	1	0016039
	14.00	0.5512	10.3	1	0016046
	14.10	0.5551	10.3	1	0038567
	14.20	0.5591	10.3	1	0038574
9/16	14.29	0.5626	10.3	1	0016053
	14.50	0.5709	10.3	1	0016060
	14.60	0.5748	11.0	1	0038581
37/64	14.68	0.5780	11.0	1	0016077
	14.70	0.5787	11.0	1	0039601
	14.80	0.5827	11.0	1	0039618
	15.00	0.5906	11.0	1	0016084
19/32	15.08	0.5937	11.0	1	0016091
	15.10	0.5945	11.0	1	0039625
	15.20	0.5984	11.0	1	0039632

HIGH PERFORMANCE HYDRA DRILL



DRILLS

d ₁ Ø Inch	d ₁ Ø mm	d ₁ decimal Inch	l ₁ mm	Pack Qty	R960
	15.24	0.6000	11.0	1	0032350
39/64	15.48	0.6094	11.0	1	0016107
	15.50	0.6102	11.0	1	0016114
	15.60	0.6142	11.6	1	0039649
	15.70	0.6181	11.6	1	0039656
5/8	15.87	0.6248	11.6	1	0016121
	16.00	0.6299	11.6	1	0016138
	16.08	0.6331	11.6	1	0032367
	16.10	0.6339	11.6	1	0039663
	16.20	0.6378	11.6	1	0039670
41/64	16.27	0.6406	11.6	1	0016145
	16.30	0.6417	11.6	1	0032374
	16.50	0.6496	11.6	1	0016152
	16.60	0.6535	12.2	1	0039687
21/32	16.67	0.6563	12.2	1	0016169
	16.70	0.6575	12.2	1	0039694
	17.00	0.6693	12.2	1	0016176
43/64	17.06	0.6717	12.2	1	0016183
	17.10	0.6732	12.2	1	0039700
	17.20	0.6772	12.2	1	0039717
11/16	17.46	0.6874	12.2	1	0016190
	17.50	0.6890	12.2	1	0016503
	17.60	0.6929	12.9	1	0032381
	17.70	0.6969	12.9	1	0039724
45/64	17.86	0.7031	12.9	1	0016640
	18.00	0.7087	12.9	1	0016664
	18.10	0.7126	12.9	1	0039731
	18.20	0.7165	12.9	1	0039748
23/32	18.26	0.7189	12.9	1	0016671
	18.50	0.7283	12.9	1	0016688
	18.60	0.7323	13.5	1	0039755
47/64	18.65	0.7343	13.5	1	0016695
	18.70	0.7362	13.5	1	0039762
	18.90	0.7441	13.5	1	0039779
	19.00	0.7480	13.5	1	0016817
3/4	19.05	0.7500	13.5	1	0016879
	19.10	0.7520	13.5	1	0039786
	19.20	0.7559	13.5	1	0039793
	19.25	0.7579	13.5	1	0032398
	19.30	0.7598	13.5	1	0032404
	19.35	0.7618	13.5	1	0032411
49/64	19.45	0.7657	13.5	1	0016886
	19.50	0.7677	13.5	1	0016947
	19.60	0.7717	14.1	1	0039809
	19.70	0.7756	14.1	1	0039816
25/32	19.84	0.7811	14.1	1	0016954
	20.00	0.7874	14.1	1	0017111
51/64	20.24	0.7969	14.1	1	0017128
	20.50	0.8071	14.1	1	0017159
13/16	20.64	0.8126	14.8	1	0017197
	21.00	0.8268	14.8	1	0017166
53/64	21.03	0.8280	14.8	1	0017203
27/32	21.43	0.8437	14.8	1	0017227
	21.50	0.8465	14.8	1	0017234
55/64	21.83	0.8594	15.0	1	0017241
	22.00	0.8661	15.0	1	0017258
7/8	22.22	0.8748	15.0	1	0017371
	22.50	0.8858	15.0	1	0032428
57/64	22.62	0.8906	15.0	1	0017401
	22.70	0.8937	15.0	1	0039823
	23.00	0.9055	15.1	1	0017425
29/32	23.02	0.9063	15.1	1	0017432
59/64	23.42	0.9220	15.1	1	0017456
	23.50	0.9252	15.1	1	0039830
15/16	23.81	0.9374	15.4	1	0017562



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d ₁ Ø Inch	d ₁ Ø mm	d ₁ decimal Inch	l ₁ mm	Pack Qty	R960
	24.00	0.9449	15.4	1	0017579
61/64	24.21	0.9531	15.4	1	0017586
	24.50	0.9646	15.4	1	0039847
31/32	24.61	0.9689	15.4	1	0017593
63/64	25.00	0.9843	15.8	1	0017746
	25.00	0.9843	15.8	1	0017722
1"	25.40	1.0000	15.8	1	0017753
	25.50	1.0039	15.8	1	0039854
	25.65	1.0098	15.8	1	0032435
1.1/64	25.80	1.0157	15.8	1	0018958
	26.00	1.0236	16.4	1	0018965
1.1/32	26.19	1.0311	16.4	1	0018972
	26.50	1.0433	16.4	1	0039878
1.3/64	26.59	1.0469	16.4	1	0018989
1.1/16	26.99	1.0626	17.1	1	0018996
	27.00	1.0630	17.1	1	0019009
1.5/64	27.38	1.0780	17.1	1	0019016
	27.50	1.0827	17.1	1	0039885
1.3/32	27.78	1.0937	17.1	1	0019023
	28.00	1.1024	17.7	1	0019030
1.7/64	28.18	1.1094	17.7	1	0019047
	28.50	1.1220	17.7	1	0039892
1.1/8	28.57	1.1248	17.7	1	0019054
1.9/64	28.97	1.1406	18.3	1	0019061
	29.00	1.1417	18.3	1	0019078
1.5/32	29.37	1.1563	18.3	1	0019085
	29.50	1.1614	18.3	1	0039908
1.11/64	29.77	1.1720	18.3	1	0019092
	30.00	1.1811	19.0	1	0019108
1.3/16	30.16	1.1874	19.0	1	0019115
	30.50	1.2008	19.0	1	0019122