

# COOLANT THRU INDEXABLE DRILLS

## INDEXABLE DRILLS

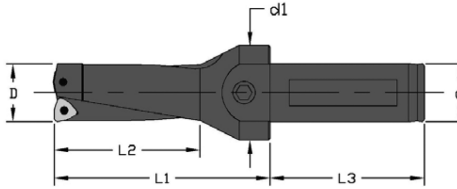
Coolant Thru Using 80° WCMT/WCMX Inserts

ULTRA-DEX USA



**FEATURES:**

- 2xD, 2.5xD and 4xD indexable drills
- Spiral flutes to improve chip evacuation
- Coolant-thru access located on both shank and side of drill body
- Insert pockets precisely positioned to keep cutting forces low and evenly distributed
- 80° trigon inserts offer 3 cutting edges
- Made in USA



	Workpiece Material	SFM	Inch/Rev.
<b>P</b>	Steel	225-650	.0022-.006
<b>M</b>	Stainless Steel	250-430	.002-.006
<b>K</b>	Cast Iron	300-600	.0025-.009
<b>N</b>	Ferrite Materials	600-1100	.0038-.011
<b>S</b>	Heat-resistant steel	60-150	.0028-.008

Dia D	Sh Dia d	d1	Shank Len L3	L1	FI Length L2	Part Number	Price Each	Insert	Screw	Torx	Insert Series
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**2.5X Diameter**

7/16"	0.437	0.625	0.970	1.687	2.280	1.280	UD-0437-2D-063	\$124.32	WCMT 1.211	MTS-184	T-6-S	12
15/32"	0.468	0.625	0.970	1.687	2.280	1.310	UD-0468-2D-063	\$124.32	WCMT 1.211	MTS-184	T-6-S	12
1/2"	0.500	0.625	0.970	1.687	2.280	1.340	UD-0500-2D-063	\$124.32	WCMT 1.211	MTS-184	T-6-S	12
17/32"	0.531	0.625	0.970	1.687	2.280	1.370	UD-0531-2D-063	\$124.32	WCMT 1.51.51	MTS-2	T-6-S	15
9/16"	0.562	0.625	0.970	1.687	2.280	1.400	UD-0562-2D-063	\$124.32	WCMT 1.51.51	MTS-2	T-6-S	15
19/32"	0.593	0.625	0.970	1.687	2.280	1.430	UD-0593-2D-063	\$124.32	WCMT 1.51.51	MTS-2	T-6-S	15

**2X Diameter**

5/8"	0.625	0.625	0.987	1.687	2.280	1.375	UD-0625-2D-063	\$124.32	WCMX 1.81.52	MTS-255	T-7-S	18
11/16"	0.687	0.625	0.987	1.687	2.280	1.437	UD-0687-2D-063	\$124.32	WCMX 1.81.52	MTS-255	T-7-S	18
3/4"	0.750	0.750	1.220	2.000	2.810	1.748	UD-0750-2D-075	\$137.88	WCMX 21.52	MTS-25-DR	T-8-S	21
13/16"	0.812	0.750	1.220	2.000	2.810	1.811	UD-0812-2D-075	\$137.88	WCMX 21.52	MTS-25-DR	T-8-S	21
7/8"	0.875	0.750	1.220	2.000	2.810	1.874	UD-0875-2D-075	\$137.88	WCMX 21.52	MTS-25-DR	T-8-S	21
15/16"	0.937	0.750	1.220	2.000	2.810	1.935	UD-0937-2D-075	\$137.88	WCMX 21.52	MTS-25-DR	T-8-S	21
1"	1.000	1.000	1.450	2.375	3.235	2.345	UD-1000-2D-100	\$151.44	WCMX 2.522	MTS-3-DR	T-9-S	25
1-1/32"	1.031	1.000	1.450	2.375	3.235	2.375	UD-1031-2D-100	\$151.44	WCMX 2.522	MTS-3-DR	T-9-S	25
1-1/16"	1.062	1.000	1.450	2.375	3.235	2.406	UD-1062-2D-100	\$151.44	WCMX 2.522	MTS-3-DR	T-9-S	25
1-7/64"	1.094	1.000	1.450	2.375	3.235	2.438	UD-1094-2D-100	\$151.44	WCMX 2.522	MTS-3-DR	T-9-S	25
1-1/8"	1.125	1.000	1.450	2.375	3.235	2.469	UD-1125-2D-100	\$151.44	WCMX 2.522	MTS-3-DR	T-9-S	25
1-5/32"	1.156	1.000	1.450	2.375	3.235	2.500	UD-1156-2D-100	\$151.44	WCMX 2.522	MTS-3-DR	T-9-S	25
1-3/16"	1.187	1.000	1.450	2.375	3.235	2.532	UD-1187-2D-100	\$151.44	WCMX 2.522	MTS-3-DR	T-9-S	25
1-7/32"	1.219	1.000	1.450	2.375	3.235	2.564	UD-1219-2D-100	\$151.44	WCMX 2.522	MTS-3-DR	T-9-S	25
1-1/4"	1.250	1.250	1.730	2.619	3.886	2.710	UD-1250-2D-125	\$179.70	WCMX 32.52	MTS-35-DR	T-10-S	32
1-5/16"	1.312	1.250	1.730	2.619	3.886	2.771	UD-1312-2D-125	\$179.70	WCMX 32.52	MTS-35-DR	T-10-S	32
1-11/32"	1.343	1.250	1.730	2.619	3.886	2.802	UD-1343-2D-125	\$179.70	WCMX 32.52	MTS-35-DR	T-10-S	32
1-3/8"	1.375	1.250	1.730	2.619	3.886	2.833	UD-1375-2D-125	\$179.70	WCMX 32.52	MTS-35-DR	T-10-S	32
1-7/16"	1.437	1.250	1.730	2.619	3.886	2.896	UD-1437-2D-125	\$179.70	WCMX 32.52	MTS-35-DR	T-10-S	32
1-1/2"	1.500	1.250	1.970	2.619	4.426	3.250	UD-1500-2D-125	\$207.95	WCMX 32.52	MTS-35-DR	T-10-S	32
1-9/16"	1.562	1.250	1.970	2.619	4.426	3.312	UD-1562-2D-125	\$207.95	WCMX 32.52	MTS-35-DR	T-10-S	32
1-5/8"	1.625	1.250	1.970	2.619	4.426	3.375	UD-1625-2D-125	\$222.64	WCMX 32.52	MTS-35-DR	T-10-S	32
1-11/16"	1.687	1.250	1.970	2.619	4.426	3.437	UD-1687-2D-125	\$222.64	WCMX 32.52	MTS-35-DR	T-10-S	32
1-3/4"	1.750	1.500	2.220	2.875	5.025	3.850	UD-1750-2D-150	\$236.21	WCMX 433	MTS-4-DR	T-15-S	43
1-13/16"	1.812	1.500	2.220	2.875	5.025	3.912	UD-1812-2D-150	\$236.21	WCMX 433	MTS-4-DR	T-15-S	43
1-7/8"	1.875	1.500	2.220	2.875	5.025	3.975	UD-1875-2D-150	\$276.89	WCMX 433	MTS-4-DR	T-15-S	43
1-15/16"	1.937	1.500	2.220	2.875	5.025	4.036	UD-1937-2D-150	\$276.89	WCMX 433	MTS-4-DR	T-15-S	43
2"	2.000	1.500	2.470	2.875	5.687	4.469	UD-2000-2D-150	\$305.15	WCMX 433	MTS-4-DR	T-15-S	43
2-1/8"	2.125	1.500	2.470	2.875	5.687	4.593	UD-2125-2D-150	\$333.40	WCMX 433	MTS-4-DR	T-15-S	43
2-1/4"	2.250	1.500	2.470	2.875	5.687	4.717	UD-2250-2D-150	\$361.65	WCMX 433	MTS-4-DR	T-15-S	43
2-3/8"	2.375	1.500	2.470	2.875	5.687	4.840	UD-2375-2D-150	\$388.77	WCMX 433	MTS-4-DR	T-15-S	43

**4X Diameter**

5/8"	0.625	.625	.987	1.687	3.720	2.815	UD-0625-4D-063	\$178.57	WCMX 1.81.52	MTS-255	T-7-S	18
11/16"	0.687	.625	.987	1.687	3.720	2.878	UD-0687-4D-063	\$178.57	WCMX 1.81.52	MTS-255	T-7-S	18
3/4"	0.750	.750	1.220	2.000	4.763	3.698	UD-0750-4D-075	\$197.78	WCMX 21.52	MTS-25-DR	T-8-S	21
5/8"	0.625	.625	.987	1.687	3.720	2.815	UD-0625-4D-063	\$178.57	WCMX 1.81.52	MTS-255	T-7-S	18
11/16"	0.687	.625	.987	1.687	3.720	2.878	UD-0687-4D-063	\$178.57	WCMX 1.81.52	MTS-255	T-7-S	18
3/4"	0.750	.750	1.220	2.000	4.763	3.698	UD-0750-4D-075	\$197.78	WCMX 21.52	MTS-25-DR	T-8-S	21
13/16"	0.812	.750	1.220	2.000	4.763	3.761	UD-0812-4D-075	\$197.78	WCMX 21.52	MTS-25-DR	T-8-S	21
7/8"	0.875	.750	1.220	2.000	4.763	3.824	UD-0875-4D-075	\$197.78	WCMX 21.52	MTS-25-DR	T-8-S	21
15/16"	0.937	.750	1.220	2.000	4.763	3.885	UD-0937-4D-075	\$197.78	WCMX 21.52	MTS-25-DR	T-8-S	21

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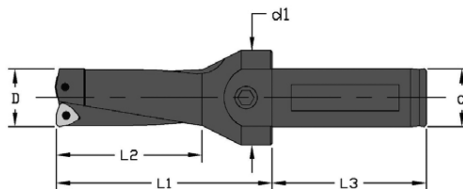
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## INDEXABLE DRILLS Coolant Thru Using 80° WCMX Inserts

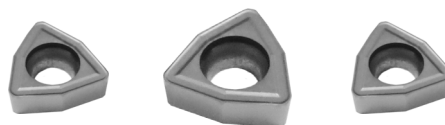
ULTRA-DEX USA



Dia D	Sh Dia d	d1	Shank Len L3	L1	FI Length L2	Part Number	Price Each	Insert	Screw	Torx	Insert Series	
<b>4X Diameter</b>												
1"	1.000	1.000	1.4500	2.375	5.685	4.635	UD-1000-4D-100	\$218.12	WCMX 2.522	MTS-3-DR	T-9-S	25
1-1/32"	1.031	1.000	1.4500	2.375	5.685	4.666	UD-1031-4D-100	\$218.12	WCMX 2.522	MTS-3-DR	T-9-S	25
1-1/16"	1.062	1.000	1.4500	2.375	5.685	4.696	UD-1062-4D-100	\$218.12	WCMX 2.522	MTS-3-DR	T-9-S	25
1-7/64"	1.094	1.000	1.4500	2.375	5.685	4.728	UD-1094-4D-100	\$218.12	WCMX 2.522	MTS-3-DR	T-9-S	25
1-1/8"	1.125	1.000	1.4500	2.375	5.685	4.760	UD-1125-4D-100	\$218.12	WCMX 2.522	MTS-3-DR	T-9-S	25
1-5/32"	1.156	1.000	1.4500	2.375	5.685	4.792	UD-1156-4D-100	\$218.12	WCMX 2.522	MTS-3-DR	T-9-S	25
1-3/16"	1.187	1.000	1.4500	2.375	5.685	4.822	UD-1187-4D-100	\$218.12	WCMX 2.522	MTS-3-DR	T-9-S	25
1-7/32"	1.219	1.000	1.4500	2.375	5.685	4.864	UD-1219-4D-100	\$218.12	WCMX 2.522	MTS-3-DR	T-9-S	25
1-1/4"	1.250	1.250	1.730	2.619	6.760	5.585	UD-1250-4D-125	\$257.68	WCMX 32.52	MTS-35-DR	T-10-S	32
1-5/16"	1.312	1.250	1.730	2.619	6.760	5.646	UD-1312-4D-125	\$257.68	WCMX 32.52	MTS-35-DR	T-10-S	32
1-3/8"	1.375	1.250	1.730	2.619	6.760	5.708	UD-1375-4D-125	\$257.68	WCMX 32.52	MTS-35-DR	T-10-S	32
1-7/16"	1.437	1.250	1.730	2.619	6.760	5.771	UD-1437-4D-125	\$257.68	WCMX 32.52	MTS-35-DR	T-10-S	32
1-1/2"	1.500	1.250	1.970	2.619	7.800	6.632	UD-1500-4D-125	\$298.36	WCMX 32.52	MTS-35-DR	T-10-S	32
1-9/16"	1.562	1.250	1.970	2.619	7.800	6.695	UD-1562-4D-125	\$298.36	WCMX 32.52	MTS-35-DR	T-10-S	32
1-5/8"	1.625	1.250	1.970	2.619	7.800	6.757	UD-1625-4D-125	\$317.58	WCMX 32.52	MTS-35-DR	T-10-S	32
1-11/16"	1.687	1.250	1.970	2.619	7.800	6.820	UD-1687-4D-125	\$317.58	WCMX 32.52	MTS-35-DR	T-10-S	32
1-3/4"	1.750	1.500	2.220	2.875	8.900	7.724	UD-1750-4D-150	\$337.92	WCMX 433	MTS-4-DR	T-15-S	43
1-13/16"	1.812	1.500	2.220	2.875	8.900	7.786	UD-1812-4D-150	\$337.92	WCMX 433	MTS-4-DR	T-15-S	43
1-7/8"	1.875	1.500	2.220	2.875	8.900	7.849	UD-1875-4D-150	\$397.82	WCMX 433	MTS-4-DR	T-15-S	43
1-15/16"	1.937	1.500	2.220	2.875	8.900	7.911	UD-1937-4D-150	\$397.82	WCMX 433	MTS-4-DR	T-15-S	43
2"	2.000	1.500	2.470	2.875	10.347	9.263	UD-2000-4D-150	\$431.72	WCMX 433	MTS-4-DR	T-15-S	43
2-1/8"	2.125	1.500	2.470	2.875	10.347	9.387	UD-2125-4D-150	\$476.93	WCMX 433	MTS-4-DR	T-15-S	43
2-1/4"	2.250	1.500	2.470	2.875	10.347	9.512	UD-2250-4D-150	\$517.62	WCMX 433	MTS-4-DR	T-15-S	43
2-3/8"	2.375	1.500	2.470	2.875	10.347	9.637	UD-2375-4D-150	\$557.18	WCMX 433	MTS-4-DR	T-15-S	43

## INDEXABLE DRILL INSERTS 80° WCMT & WCMX Inserts

ULTRA-DEX USA



Insert Series	Insert Designation	Coated Inserts			Uncoated
		Grade UD51 Steels, SS, CI	Grade UD52 Steels, SS, Alloys	Grade UD32 Steels, SS, Hi-Temp	Grade UD2 Aluminum, Cast Iron
12	WCMT 1.211	UD-WCMT1211UD51 \$12.04	UD-WCMT1211UD52 \$12.95	-	UD-WCMT1211UD2 \$11.24
15	WCMT 1.51.51	UD-WCMT1515UD51 \$12.04	UD-WCMT1515UD52 \$12.95	-	UD-WCMT1515UD2 \$11.24
18	WCMX 1.81.52	UD-WCMX1815UD51 \$7.75	UD-WCMX1815UD52 \$9.50	UD-WCMX1815UD32 \$8.59	UD-WCMX1815UD2 \$7.75
21	WCMX 21.52	UD-WCMX2152UD51 \$7.75	UD-WCMX2152UD52 \$9.50	UD-WCMX2152UD32 \$8.59	UD-WCMX2152UD2 \$7.75
25	WCMX 2.522	UD-WCMX2522UD51 \$7.75	UD-WCMX2522UD52 \$9.50	UD-WCMX2522UD32 \$8.59	UD-WCMX2522UD2 \$7.75
32	WCMX 32.52	UD-WCMX3252UD51 \$8.43	UD-WCMX3252UD52 \$10.18	UD-WCMX3252UD32 \$9.37	UD-WCMX3252UD2 \$8.43
43	WCMX 433	UD-WCMX433UD51 \$8.43	UD-WCMX433UD52 \$10.52	UD-WCMX433UD32 \$9.37	UD-WCMX433UD2 \$8.43

Grade	Description
UD51	General purpose Tin (CVD) coated steel grade - used for roughing and semi-finishing of carbon alloy and stainless steel.
UD52	Tough general purpose steel grade with multi-layer titanium aluminum nitride coating for alloy steel, aluminum alloys, austenitic stainless and carbon steels, copper alloys and exotic alloys.
UD2	Uncoated - For cast iron, aluminum, non-ferrous alloys, non-metals and most high temp alloys. Excellent wear resistance.
UD32	TiAlN coated insert. Used in high speed medium load applications of stainless steel and finishing to semi-finishing of high temperature alloys.

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