



MDR Series Solid Carbide Drills



- “Job Shop Drill” - Great for job shop applications in all high strength ferrous metals such as tool steels, stainless steel, titanium, and nickel based alloys.
- Accelerated drill performance at standard tools costs.
- Latest, most advanced multi-layer coating (nACo) for high heat and wear resistance in tough applications. Coating allows the drill to run without coolant.
- Special edge preparation for better cutting action and longer tool life with 140° included drill point.
- Screw machine lengths and thick web for strength and rigidity for use on a broad range of job shop equipment.
- Notched, self-centering point design allows for free cutting by reducing power requirements and lowering temperatures to provide extended tool life.
- Common shank allows for precise and economical tool holding with fewer tool holders.
- Minimum 4x to cover a broad range of applications.
- Designed and manufactured in the USA.

High performance coolant fed drills in 3X, 5X, and 7X also available.
See our catalog or website for complete drill details.

Call your local authorized Melin Tool distributor to set up your performance guaranteed trial order!

Fractional, Number, and Letter Sizes

TOOL#	EDP	SIZE	DEC. EQUIV.	SHK	DRILL LGTH	FLUTE LGTH	OAL
MDR-3/64	14257	3/64	0.0469	1/8	0.281	0.352	1-1/2
MDR-55	14258	55	0.0520	1/8	0.309	0.387	1-1/2
MDR-54	14259	54	0.0550	1/8	0.325	0.406	1-1/2
MDR-53	14260	53	0.0595	1/8	0.348	0.435	1-1/2
MDR-1/16	10292	1/16	0.0625	1/8	0.363	0.453	1-1/2
MDR-52	14261	52	0.0635	1/8	0.365	0.456	1-1/2
MDR-50	14262	50	0.0700	1/8	0.399	0.499	2
MDR-49	14263	49	0.0730	1/8	0.412	0.516	2
MDR-48	14264	48	0.0760	1/8	0.426	0.532	2
MDR-5/64	14265	5/64	0.0781	1/8	0.433	0.542	2
MDR-46	14266	46	0.0810	1/8	0.446	0.557	2
MDR-45	14267	45	0.0820	1/8	0.447	0.559	2
MDR-44	14268	44	0.0860	1/8	0.464	0.581	2
MDR-43	14269	43	0.0890	1/8	0.476	0.595	2
MDR-42	14270	42	0.0935	1/8	0.496	0.619	2
MDR-3/32	10294	3/32	0.0938	1/8	0.492	0.616	2
MDR-41	14271	41	0.0960	1/8	0.499	0.624	2
MDR-40	14272	40	0.0980	1/8	0.505	0.631	2
MDR-39	14273	39	0.0995	1/8	0.507	0.634	2
MDR-38	14274	38	0.1015	1/8	0.513	0.641	2
MDR-37	14275	37	0.1040	1/8	0.520	0.650	2
MDR-36	14276	36	0.1065	1/8	0.527	0.659	2
MDR-7/64	14277	7/64	0.1094	1/8	0.536	0.670	2
MDR-31	14278	31	0.1200	1/8	0.582	0.728	2
MDR-1/8	14279	1/8	0.1250	1/8	0.600	0.750	2
MDR-30	14280	30	0.1285	3/16	0.610	0.763	2
MDR-29	14281	29	0.1360	3/16	0.639	0.799	2
MDR-28	14282	28	0.1405	3/16	0.653	0.817	2
MDR-9/64	14283	9/64	0.1406	3/16	0.647	0.808	2
MDR-25	14284	25	0.1495	3/16	0.680	0.850	2.5
MDR-5/32	14285	5/32	0.1562	3/16	0.703	0.879	2.5
MDR-21	14286	21	0.1590	3/16	0.708	0.884	2.5
MDR-20	14287	20	0.1610	3/16	0.644	0.805	2.5
MDR-11/64	14288	11/64	0.1719	3/16	0.688	0.860	2.5
MDR-16	14289	16	0.1770	3/16	0.708	0.885	2.5
MDR-3/16	14290	3/16	0.1875	3/16	0.750	0.938	2.5
MDR-11	14291	11	0.1910	1/4	0.764	0.955	2.5
MDR-10	14292	10	0.1935	1/4	0.774	0.968	2.5
MDR-7	14293	7	0.2010	1/4	0.804	1.005	2.5
MDR-13/64	14294	13/64	0.2031	1/4	0.812	1.016	2.5
MDR-5	14295	5	0.2055	1/4	0.822	1.028	2.5
MDR-3	14296	3	0.2130	1/4	0.852	1.065	2.5
MDR-7/32	14297	7/32	0.2188	1/4	0.875	1.094	2.5
MDR-15/64	14298	15/64	0.2344	1/4	0.938	1.172	2.5
MDR-1/4	10296	1/4	0.2500	1/4	1.000	1.250	2.5
MDR-F	14299	F	0.2570	5/16	1.028	1.285	3
MDR-17/64	14300	17/64	0.2656	5/16	1.062	1.328	3
MDR-I	14301	I	0.2720	5/16	1.088	1.360	3
MDR-9/32	14302	9/32	0.2812	5/16	1.125	1.406	3
MDR-19/64	19793	19/64	0.2969	5/16	1.188	1.484	3
MDR-5/16	10298	5/16	0.3125	5/16	1.250	1.563	3
MDR-21/64	19794	21/64	0.3281	3/8	1.313	1.575	3
MDR-Q	19795	Q	0.3320	3/8	1.328	1.594	3
MDR-11/32	14303	11/32	0.3438	3/8	1.375	1.650	3
MDR-23/64	19796	23/64	0.3594	3/8	1.438	1.725	3
MDR-U	19797	U	0.3680	3/8	1.472	1.766	3
MDR-3/8	10302	3/8	0.3750	3/8	1.500	1.800	3
MDR-25/64	19798	25/64	0.3906	7/16	1.563	1.900	4
MDR-13/32	19799	13/32	0.4063	7/16	1.625	1.869	4
MDR-27/64	19800	27/64	0.4219	7/16	1.688	1.941	4
MDR-7/16	14304	7/16	0.4375	7/16	1.750	2.013	4
MDR-29/64	19801	29/64	0.4531	1/2	1.813	1.994	4
MDR-31/64	19802	31/64	0.4844	1/2	1.938	2.131	4

TOOL#	EDP	SIZE	DEC. EQUIV.	SHK	DRILL LGTH	FLUTE LGTH	OAL
MDR-1/2	14305	1/2	0.5000	1/2	2.000	2.200	4
MDR-33/64	19803	33/64	0.5156	9/16	2.063	2.269	4
MDR-17/32	19804	17/32	0.5313	9/16	2.125	2.338	4
MDR-35/64	19805	35/64	0.5469	9/16	2.188	2.406	4
MDR-9/16	14306	9/16	0.5625	9/16	2.250	2.475	4
MDR-37/64	19806	37/64	0.5781	5/8	2.313	2.544	5
MDR-19/32	19807	19/32	0.5938	5/8	2.375	2.613	5
MDR-5/8	14307	5/8	0.6250	5/8	2.500	2.750	5
MDR-21/32	19808	21/32	0.6563	3/4	2.428	2.671	5
MDR-11/16	19809	11/16	0.6875	3/4	2.544	2.798	5
MDR-3/4	14308	3/4	0.7500	3/4	2.775	3.053	5

Metric Sizes

TOOL#	EDP	SIZE	DEC. EQUIV.	SHK	DRILL LGTH	FLUTE LGTH	OAL
MDR-1.5MM	14309	1.5mm	0.0591	3mm	8.8mm	11mm	38mm
MDR-2MM	14310	2mm	0.0787	3mm	10.9mm	13.5mm	38mm
MDR-2.5MM	14311	2.5mm	0.0984	3mm	12.5mm	15.5mm	38mm
MDR-3MM	10290	3mm	0.1181	3mm	14.1mm	17.5mm	38mm
MDR-3.5MM	14312	3.5mm	0.1378	4mm	15.6mm	19.5mm	50mm
MDR-4MM	14313	4mm	0.1575	4mm	16.8mm	21mm	50mm
MDR-4.5MM	14314	4.5mm	0.1772	5mm	18mm	22.5mm	50mm
MDR-5MM	14315	5mm	0.1969	5mm	20mm	25mm	50mm
MDR-6MM	14316	6mm	0.2362	6mm	24mm	30mm	63mm
MDR-6.5MM	19810	6.5mm	0.2559	8mm	26mm	33mm	75mm
MDR-7MM	14317	7mm	0.2756	8mm	28mm	35mm	75mm
MDR-7.5MM	19811	7.5mm	0.2953	8mm	30mm	38mm	75mm
MDR-8MM	14318	8mm	0.3150	8mm	32mm	40mm	75mm
MDR-8.5MM	19812	8.5mm	0.3346	10mm	34mm	41mm	100mm
MDR-9MM	14319	9mm	0.3543	10mm	36mm	43mm	100mm
MDR-9.5MM	19813	9.5mm	0.3740	10mm	38mm	45mm	100mm
MDR-10MM	14320	10mm	0.3937	10mm	40mm	47mm	100mm
MDR-10.5MM	19814	10.5mm	0.4134	12mm	42mm	48mm	100mm
MDR-11MM	19815	11mm	0.4331	12mm	44mm	49mm	100mm
MDR-11.5MM	19816	11.5mm	0.4528	12mm	46mm	51mm	100mm
MDR-12MM	14321	12mm	0.4724	12mm	48mm	53mm	100mm
MDR-12.5MM	19817	12.5mm	0.4921	14mm	50mm	56mm	100mm
MDR-13MM	19818	13mm	0.5118	14mm	52mm	58mm	100mm
MDR-13.5MM	19819	13.5mm	0.5315	14mm	54mm	60mm	100mm



Melin Tool Company
 5565 Venture Drive, Cleveland, Ohio
 Ph: (800) 521-1078 ~ (216) 362-4200
 Fax: (800) 521-1558 ~ (216) 362-4230
www.endmill.com