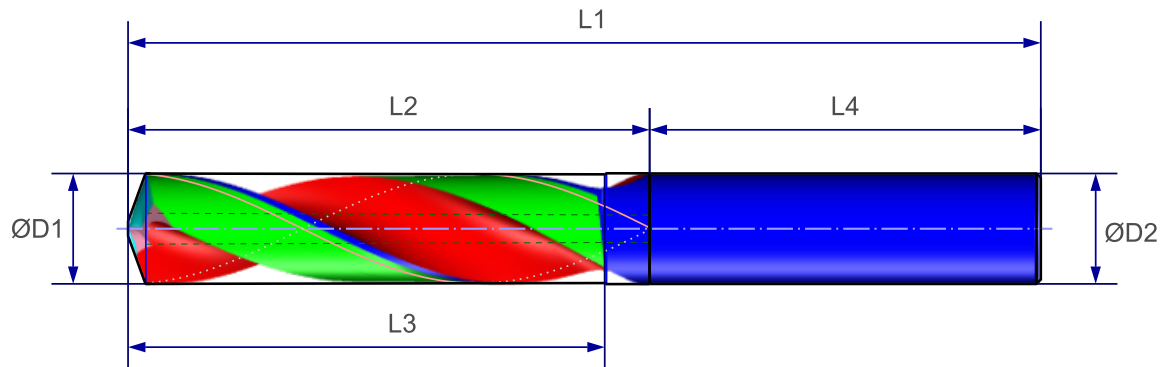
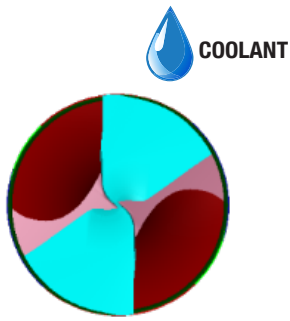
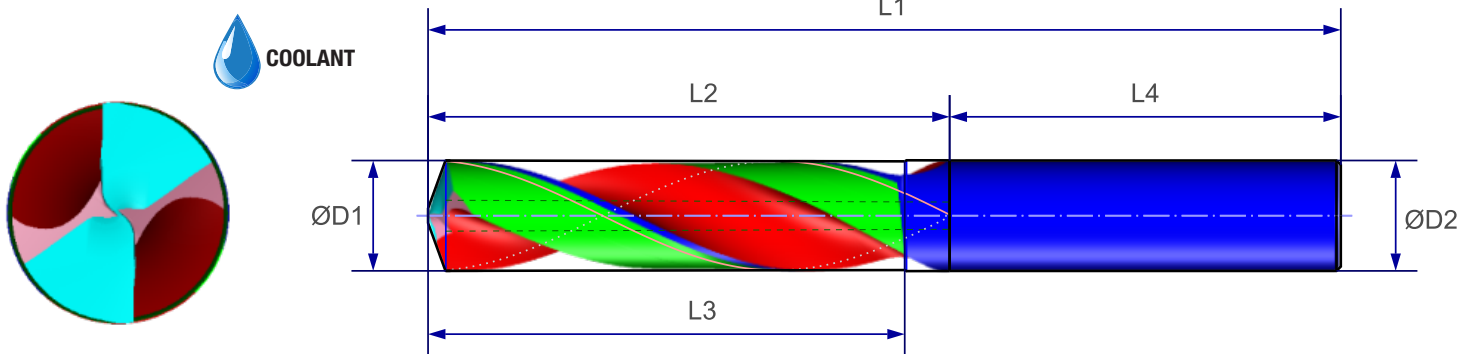


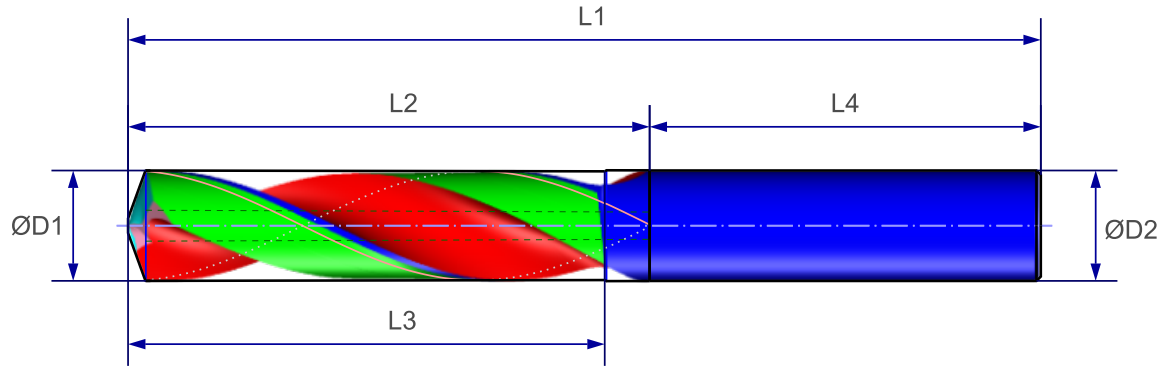
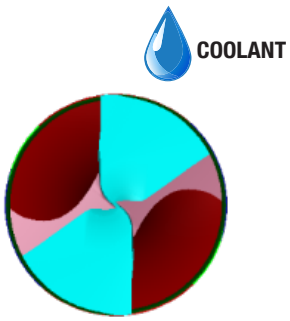
DESCRIPTION EXAM- PLE...I=INCH, K=CAST IRON, C=COOLANT, 2=FLUTES, 125=DIA, 3XD=FLUTE LENGTH	DRILL DIAMETER D1 inch m7	DRILLS FRACTIONAL & FOR THREADS	SHANK DIAM- ETER D2 metric	OAL L1 inch	FLUTE LENGTH L2 inch	DRILLING DEPTH L3 inch	SHANK LENGTH L4 inch
IKC2-1875-3XD	.188	3/16	6	2.598	1.102	0.821	1.417
IKC2-1890-3XD	.189	12-32 UNF	6	2.598	1.102	0.819	1.417
IKC2-2010-3XD	.201	M6	6	2.598	1.102	0.801	1.417
IKC2-2031-3XD	.203	13/64	6	2.598	1.102	0.797	1.417
IKC2-2188-3XD	.219	7/32	6	2.598	1.102	0.774	1.417
IKC2-2344-3XD	.234	15/64	6	2.598	1.102	0.750	1.417
IKC2-2500-3XD	.250	1/4	8	3.110	1.339	0.964	1.417
IKC2-2640-3XD	.264	5/18-18UNF	8	3.110	1.339	0.943	1.417
IKC2-2656-3XD	.266	17/64	8	3.110	1.339	0.941	1.417
IKC2-2800-3XD	.280	MF8x1	8	3.110	1.614	1.194	1.417
IKC2-2813-3XD	.281	9/32	8	3.110	1.614	1.192	1.417
IKC2-2969-3XD	.297	19/64	8	3.110	1.614	1.169	1.417
IKC2-3125-3XD	.313	5/16	8	3.110	1.614	1.145	1.417
IKC2-3281-3XD	.328	21/64	10	3.504	1.850	1.358	1.575
IKC2-3438-3XD	.344	11/32	10	3.504	1.850	1.334	1.575
IKC2-3594-3XD	.359	23/64	10	3.504	1.850	1.311	1.575
IKC2-3750-3XD	.375	3/8	10	3.504	1.850	1.288	1.575
IKC2-3906-3XD	.391	25/64	10	3.504	1.850	1.264	1.575
IKC2-3940-3XD	.394	7/16-20 UNF	12	4.016	2.165	1.574	1.772
IKC2-4063-3XD	.406	13/32	12	4.016	2.165	1.556	1.772
IKC2-4210-3XD	.421	MF12x1.5	12	4.016	2.165	1.534	1.772
IKC2-4375-3XD	.438	7/16	12	4.016	2.165	1.509	1.772
IKC2-4531-3XD	.453	29/64	12	4.016	2.165	1.485	1.772
IKC2-4570-3XD	.457	1/2-20 UNF	12	4.016	2.165	1.480	1.772



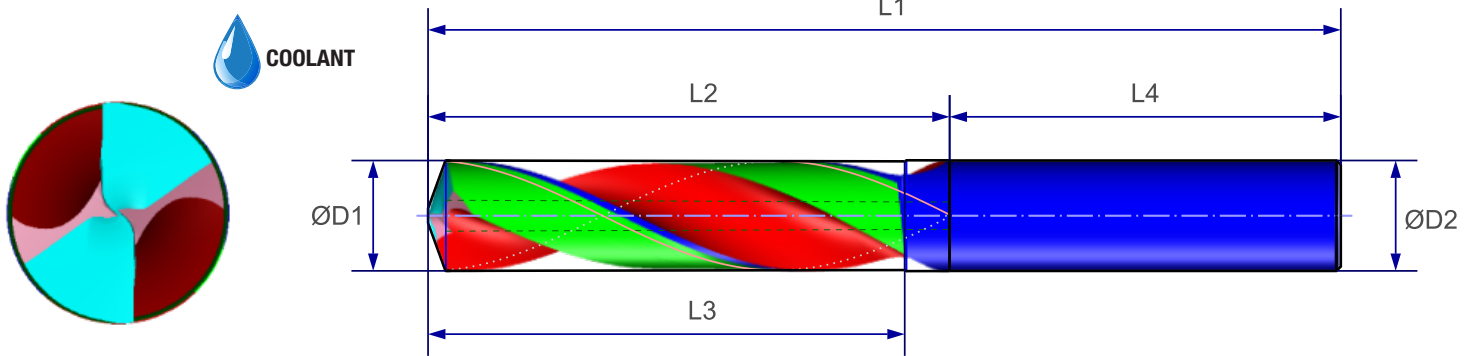
IKC2-4690-3XD	.469	15/32	12	4.016	2.165	1.462	1.772	
IKC2-4844-3XD	.484	31/64	14	4.213	2.362	1.635	1.772	
IKC2-5000-3XD	.500	1/2	14	4.213	2.362	1.612	1.772	
IKC2-5469-3XD	.547	35/64	14	4.213	2.362	1.542	1.772	
IKC2-5625-3XD	.563	9/16	16	4.528	2.559	1.715	1.890	
IKC2-5781-3XD	.578	37/64	16	4.528	2.559	1.692	1.890	
IKC2-5938-3XD	.594	19/32	16	4.528	2.559	1.668	1.890	
IKC2-6094-3XD	.609	39/64	16	4.528	2.559	1.645	1.890	
IKC2-6250-3XD	.625	5/8	16	4.528	2.559	1.622	1.890	
IKC2-6875-3XD	.688	11/16	18	4.843	2.874	1.843	1.890	
IKC2-7500-3XD	.750	3/4	20	5.157	3.110	1.985	1.969	



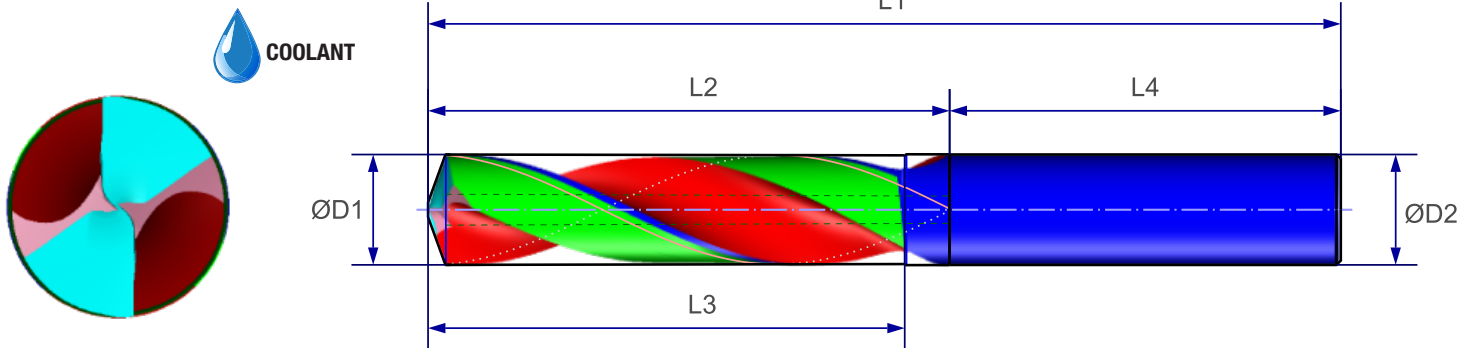
DESCRIPTION EXAM- PLE...I=INCH, K=CAST IRON, C=COOLANT, 2=FLUTES, 125=DIA, 5XD=FLUTE LENGTH	DRILL DIAMETER D1 inch m7	DRILLS FRACTIONAL & FOR THREADS	SHANK DIAM- ETER D2 metric	OAL L1 inch	FLUTE LENGTH L2 inch	DRILLING DEPTH L3 inch	SHANK LENGTH L4 inch
IKC2-1875-5XD	.188	3/16	6	3.228	1.732	1.451	1.417
IKC2-1890-5XD	.189	12-32 UNF	6	3.228	1.732	1.449	1.417
IKC2-2010-5XD	.201	M6	6	3.228	1.732	1.431	1.417
IKC2-2031-5XD	.203	13/64	6	3.228	1.732	1.427	1.417
IKC2-2188-5XD	.219	7/32	6	3.228	1.732	1.404	1.417
IKC2-2344-5XD	.234	15/64	6	3.228	1.732	1.380	1.417
IKC2-2500-5XD	.250	1/4	8	3.583	2.087	1.712	1.417
IKC2-2640-5XD	.264	5/18-18UNF	8	3.583	2.087	1.691	1.417
IKC2-2656-5XD	.266	17/64	8	3.583	2.087	1.689	1.417
IKC2-2800-5XD	.280	MF8x1	8	3.583	2.087	1.667	1.417
IKC2-2813-5XD	.281	9/32	8	3.583	2.087	1.665	1.417
IKC2-2969-5XD	.297	19/64	8	3.583	2.087	1.642	1.417
IKC2-3125-5XD	.313	5/16	8	3.583	2.087	1.618	1.417
IKC2-3281-5XD	.328	21/64	10	4.055	2.402	1.910	1.575
IKC2-3438-5XD	.344	11/32	10	4.055	2.402	1.886	1.575
IKC2-3594-5XD	.359	23/64	10	4.055	2.402	1.863	1.575
IKC2-3750-5XD	.375	3/8	10	4.055	2.402	1.840	1.575
IKC2-3906-5XD	.391	25/64	10	4.055	2.402	1.816	1.575
IKC2-3940-5XD	.394	7/16-20 UNF	12	4.646	2.795	2.204	1.772
IKC2-4063-5XD	.406	13/32	12	4.646	2.795	2.186	1.772
IKC2-4210-5XD	.421	MF12x1.5	12	4.646	2.795	2.164	1.772
IKC2-4375-5XD	.438	7/16	12	4.646	2.795	2.139	1.772
IKC2-4531-5XD	.453	29/64	12	4.646	2.795	2.115	1.772
IKC2-4570-5XD	.457	1/2-20 UNF	12	4.646	2.795	2.110	1.772



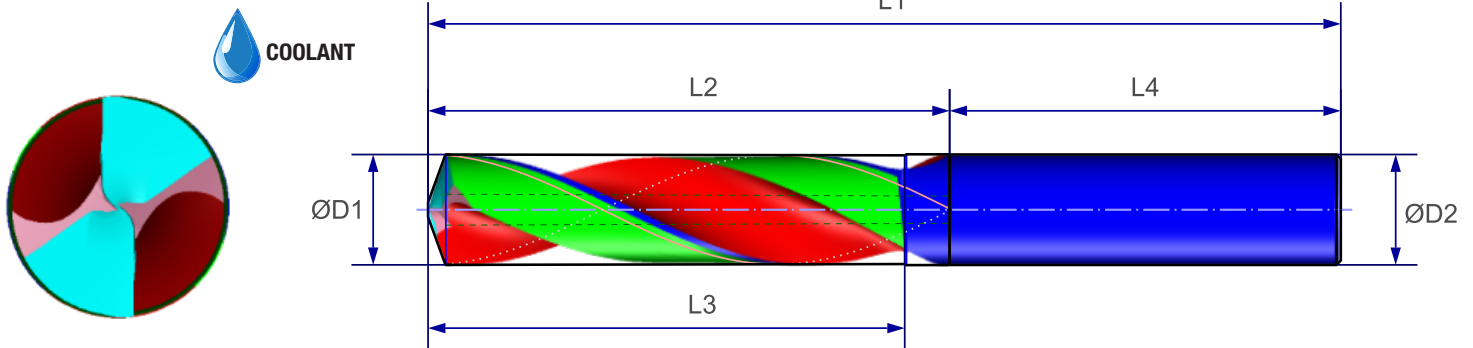
IKC2-4690-5XD	.469	15/32	12	4.646	2.795	2.092	1.772	
IKC2-4844-5XD	.484	31/64	14	4.882	3.031	2.304	1.772	
IKC2-5000-5XD	.500	1/2	14	4.882	3.031	2.281	1.772	
IKC2-5469-5XD	.547	35/64	14	4.882	3.031	2.211	1.772	
IKC2-5625-5XD	.563	9/16	16	5.236	3.268	2.424	1.890	
IKC2-5781-5XD	.578	37/64	16	5.236	3.268	2.401	1.890	
IKC2-5938-5XD	.594	19/32	16	5.236	3.268	2.377	1.890	
IKC2-6094-5XD	.609	39/64	16	5.236	3.268	2.354	1.890	
IKC2-6250-5XD	.625	5/8	16	5.236	3.268	2.331	1.890	
IKC2-6875-5XD	.688	11/16	18	5.630	3.661	2.630	1.890	
IKC2-7500-5XD	.750	3/4	20	6.024	3.976	2.851	1.969	



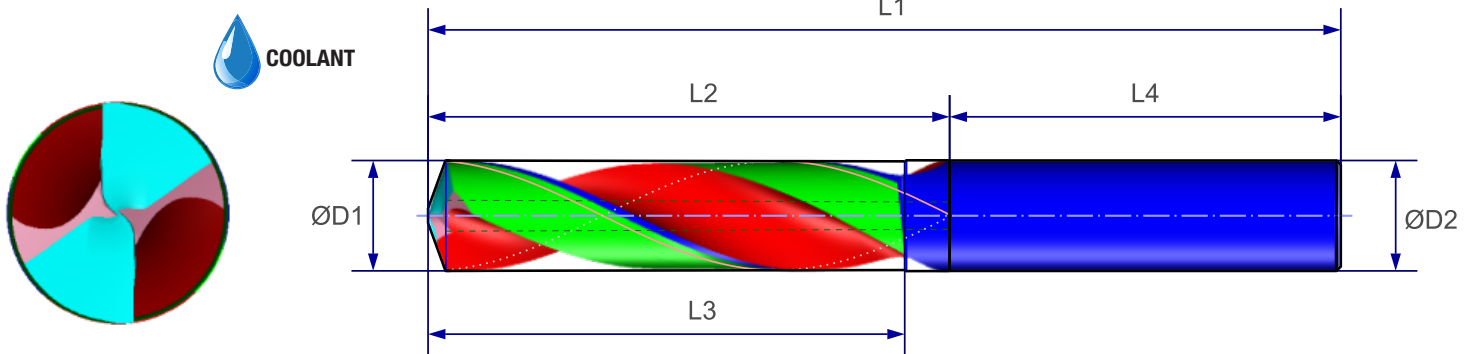
DESCRIPTION EXAM- PLE...I=INCH, K=CAST IRON, C=COOLANT, 2=FLUTES, 125=DIA, 7XD=FLUTE LENGTH	DRILL DIAMETER D1 inch m7	DRILLS FRACTIONAL & FOR THREADS	SHANK DIAM- ETER D2 metric	OAL L1 inch	FLUTE LENGTH L2 inch	DRILLING DEPTH L3 inch	SHANK LENGTH L4 inch
IKC2-1875-7XD	.188	3/16	6	3.543	1.969	0.821	1.417
IKC2-1890-7XD	.189	12-32 UNF	6	3.543	1.969	0.819	1.417
IKC2-2010-7XD	.201	M6	6	3.543	1.969	0.801	1.417
IKC2-2031-7XD	.203	13/64	6	3.543	1.969	0.797	1.417
IKC2-2188-7XD	.219	7/32	6	3.819	2.244	0.774	1.417
IKC2-2344-7XD	.234	15/64	6	3.819	2.244	0.750	1.417
IKC2-2500-7XD	.250	1/4	8	4.173	2.598	0.964	1.417
IKC2-2640-7XD	.264	5/18-18UNF	8	4.173	2.598	0.943	1.417
IKC2-2656-7XD	.266	17/64	8	4.173	2.598	0.941	1.417
IKC2-2800-7XD	.280	MF8x1	8	4.567	2.992	1.194	1.417
IKC2-2813-7XD	.281	9/32	8	4.567	2.992	1.192	1.417
IKC2-2969-7XD	.297	19/64	8	4.567	2.992	1.169	1.417
IKC2-3125-7XD	.313	5/16	8	4.567	2.992	1.145	1.417
IKC2-3281-7XD	.328	21/64	10	5.157	3.425	1.358	1.575
IKC2-3438-7XD	.344	11/32	10	5.157	3.425	1.334	1.575
IKC2-3594-7XD	.359	23/64	10	5.472	3.740	1.311	1.575
IKC2-3750-7XD	.375	3/8	10	5.472	3.740	1.288	1.575
IKC2-3906-7XD	.391	25/64	10	5.472	3.740	1.264	1.575
IKC2-3940-7XD	.394	7/16-20 UNF	12	6.102	4.173	1.574	1.772
IKC2-4063-7XD	.406	13/32	12	6.102	4.173	1.556	1.772
IKC2-4210-7XD	.421	MF12x1.5	12	6.102	4.173	1.534	1.772
IKC2-4375-7XD	.438	7/16	12	6.417	4.488	1.509	1.772
IKC2-4531-7XD	.453	29/64	12	6.417	4.488	1.485	1.772
IKC2-4570-7XD	.457	1/2-20 UNF	12	6.417	4.488	1.480	1.772
IKC2-4690-7XD	.469	15/32	12	6.417	4.488	1.462	1.772



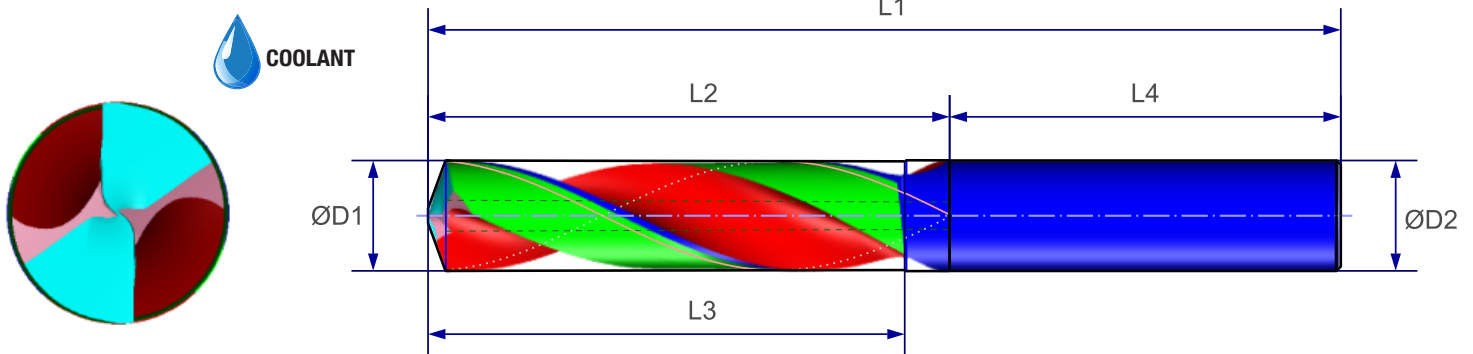
IKC2-4844-7XD	.484	31/64	14	7.165	5.236	1.635	1.772	
IKC2-5000-7XD	.500	1/2	14	7.165	5.236	1.612	1.772	
IKC2-5469-7XD	.547	35/64	14	7.165	5.236	1.542	1.772	
IKC2-5625-7XD	.563	9/16	16	8.031	5.984	1.715	1.890	
IKC2-5781-7XD	.578	37/64	16	8.031	5.984	1.692	1.890	
IKC2-5938-7XD	.594	19/32	16	8.031	5.984	1.668	1.890	
IKC2-6094-7XD	.609	39/64	16	8.031	5.984	1.645	1.890	
IKC2-6250-7XD	.625	5/8	16	8.031	5.984	1.622	1.890	
IKC2-6875-7XD	.688	11/16	18	8.780	6.732	1.843	1.890	
IKC2-7500-7XD	.750	3/4	20	9.606	7.480	1.985	1.969	



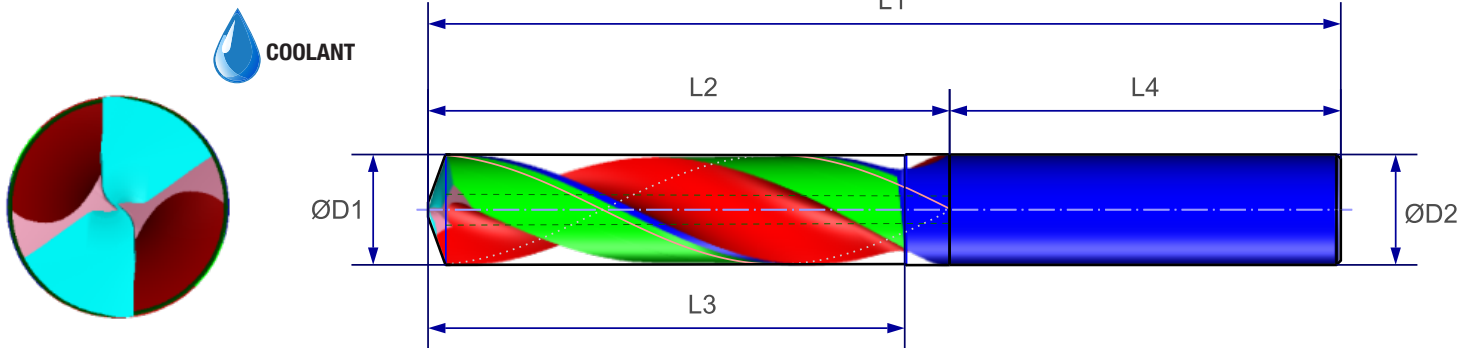
DESCRIPTION EX-AMPLE...M=METRIC, K=CAST IRON, C=COOLANT, 2=FLUTES, 3=Metric DIA 3XD=FLUTE LENGTH	DRILL DIAMETER D1 mm m7	DRILLS FOR THREADS	SHANK DIAM-ETER D2	OAL mm L1	FLUTE LENGTH L2 mm	DRILLING DEPTH L3 mm	SHANK LENGTH L4 mm
MKC2-0300-3XD	3.00		6	62	20	15	36
MKC2-0310-3XD	3.10		6	62	20	15	36
MKC2-0320-3XD	3.20		6	62	20	15	36
MKC2-0330-3XD	3.30		6	62	20	15	36
MKC2-0340-3XD	3.40		6	62	20	14	36
MKC2-0350-3XD	3.50		6	62	20	14	36
MKC2-0360-3XD	3.60		6	62	20	14	36
MKC2-0370-3XD	3.70		6	62	20	14	36
MKC2-0380-3XD	3.80		6	66	24	18	36
MKC2-0390-3XD	3.90	10-24 UNC	6	66	24	18	36
MKC2-0400-3XD	4.00		6	66	24	18	36
MKC2-0410-3XD	4.10	10-32 UNF	6	66	24	17	36
MKC2-0420-3XD	4.20		6	66	24	17	36
MKC2-0430-3XD	4.30	M5	6	66	24	17	36
MKC2-0440-3XD	4.40		6	66	24	17	36
MKC2-0450-3XD	4.50		6	66	24	17	36
MKC2-0470-3XD	4.70		6	66	24	16	36
MKC2-0480-3XD	4.80	12-32 UNF	6	66	28	20	36
MKC2-0490-3XD	4.90		6	66	28	20	36
MKC2-0500-3XD	5.00		6	66	28	20	36
MKC2-0510-3XD	5.10	M6	6	66	28	20	36
MKC2-0520-3XD	5.20		6	66	28	20	36
MKC2-0530-3XD	5.30		6	66	28	20	36
MKC2-0540-3XD	5.40		6	66	28	19	36



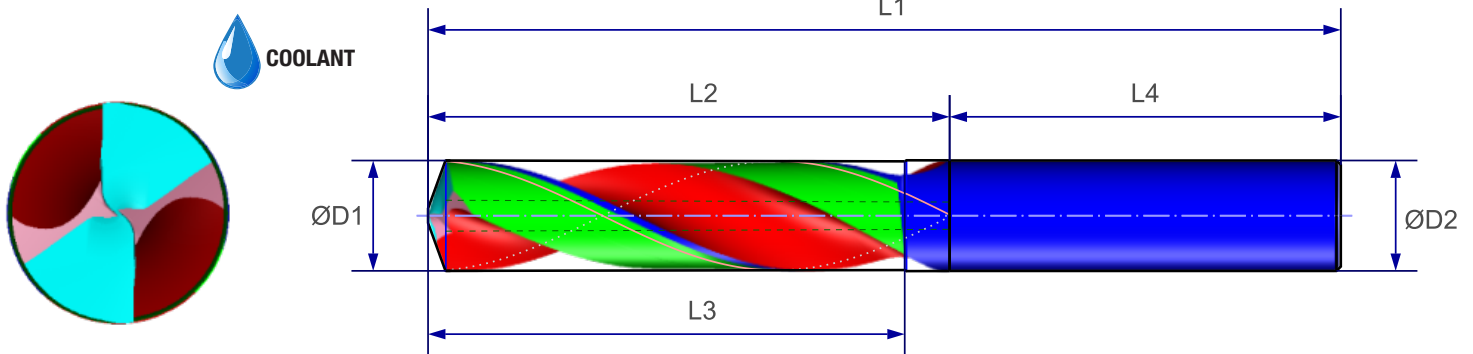
MKC2-0550-3XD	5.50		6	66	28	19	36	
MKC2-0560-3XD	5.60		6	66	28	19	36	
MKC2-0570-3XD	5.70		6	66	28	19	36	
MKC2-0580-3XD	5.80		6	66	28	19	36	
MKC2-0590-3XD	5.90		6	66	28	19	36	
MKC2-0600-3XD	6.00		8	79	34	25	36	
MKC2-0610-3XD	6.10		8	79	34	24	36	
MKC2-0620-3XD	6.20		8	79	34	24	36	
MKC2-0630-3XD	6.30		8	79	34	24	36	
MKC2-0640-3XD	6.40		8	79	34	24	36	
MKC2-0650-3XD	6.50		8	79	34	24	36	
MKC2-0660-3XD	6.60		8	79	34	24	36	
MKC2-0670-3XD	6.70	5/18-18UNF	8	79	34	23	36	
MKC2-0675-3XD	6.75		8	79	34	23	36	
MKC2-0680-3XD	6.80		8	79	34	23	36	
MKC2-0690-3XD	6.90		8	79	34	23	36	
MKC2-0700-3XD	7.00		8	79	34	23	36	
MKC2-0710-3XD	7.10	MF8x1	8	79	41	30	36	
MKC2-0720-3XD	7.20		8	79	41	30	36	
MKC2-0730-3XD	7.30		8	79	41	30	36	
MKC2-0740-3XD	7.40		8	79	41	29	36	
MKC2-0750-3XD	7.50		8	79	41	29	36	
MKC2-0760-3XD	7.60		8	79	41	29	36	
MKC2-0770-3XD	7.70		8	79	41	29	36	
MKC2-0780-3XD	7.80		8	79	41	29	36	
MKC2-0790-3XD	7.90		8	79	41	29	36	
MKC2-0800-3XD	8.00		10	89	47	35	40	
MKC2-0810-3XD	8.10		10	89	47	34	40	
MKC2-0820-3XD	8.20		10	89	47	34	40	
MKC2-0830-3XD	8.30		10	89	47	34	40	



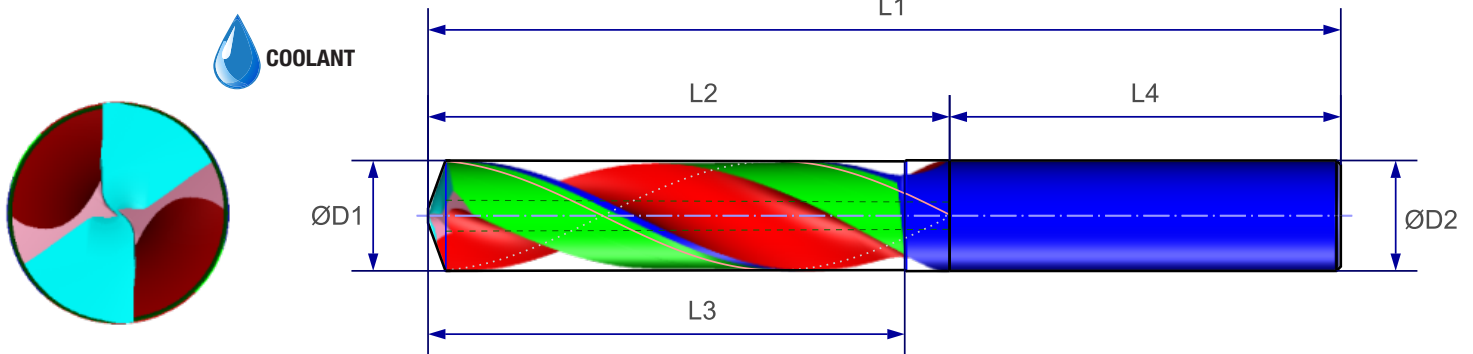
MKC2-0840-3XD	8.40		10	89	47	34	40
MKC2-0850-3XD	8.50		10	89	47	34	40
MKC2-0860-3XD	8.60	3/8-24 UNF	10	89	47	34	40
MKC2-0870-3XD	8.70	M10	10	89	47	33	40
MKC2-0880-3XD	8.80		10	89	47	33	40
MKC2-0890-3XD	8.90	MF10x1.25	10	89	47	33	40
MKC2-0900-3XD	9.00		10	89	47	33	40
MKC2-0910-3XD	9.10		10	89	47	33	40
MKC2-0920-3XD	9.20		10	89	47	33	40
MKC2-0930-3XD	9.30		10	89	47	33	40
MKC2-0940-3XD	9.40		10	89	47	32	40
MKC2-0950-3XD	9.50		10	89	47	32	40
MKC2-0960-3XD	9.60		10	89	47	32	40
MKC2-0970-3XD	9.70		10	89	47	32	40
MKC2-0980-3XD	9.80		10	89	47	32	40
MKC2-0990-3XD	9.90		10	89	47	32	40
MKC2-1000-3XD	10.00	7/16-20 UNF	12	102	55	40	45
MKC2-1010-3XD	10.10		12	102	55	39	45
MKC2-1020-3XD	10.20		12	102	55	39	45
MKC2-1030-3XD	10.30		12	102	55	39	45
MKC2-1040-3XD	10.40		12	102	55	39	45
MKC2-1050-3XD	10.50		12	102	55	39	45
MKC2-1060-3XD	10.60		12	102	55	39	45
MKC2-1070-3XD	10.70	MF12x1.5	12	102	55	38	45
MKC2-1080-3XD	10.80		12	102	55	38	45
MKC2-1090-3XD	10.90		12	102	55	38	45
MKC2-1100-3XD	11.00		12	102	55	38	45
MKC2-1110-3XD	11.10		12	102	55	38	45
MKC2-1120-3XD	11.20		12	102	55	38	45



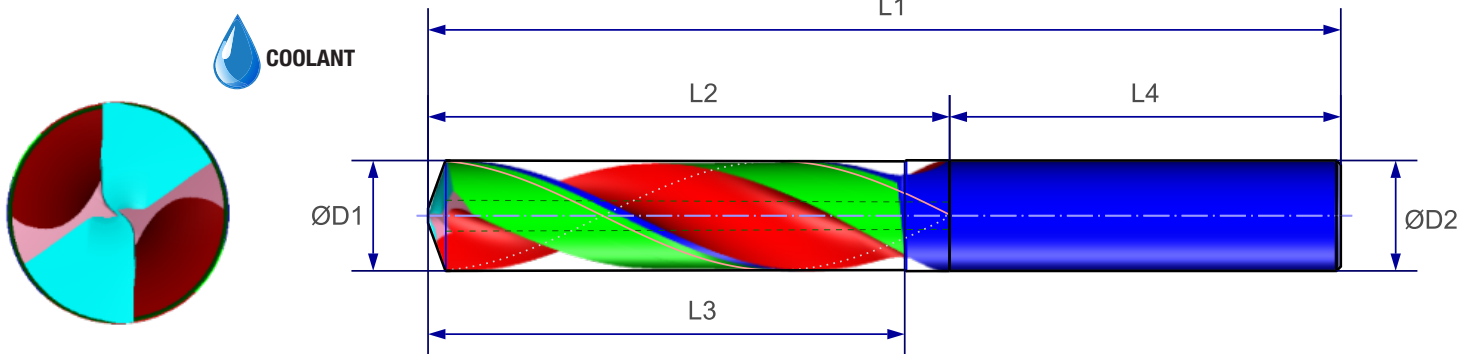
MKC2-1140-3XD	11.40		12	102	55	37	45	
MKC2-1150-3XD	11.50		12	102	55	37	45	
MKC2-1160-3XD	11.60	1/2-20 UNF	12	102	55	37	45	
MKC2-1170-3XD	11.70		12	102	55	37	45	
MKC2-1180-3XD	11.80		12	102	55	37	45	
MKC2-1190-3XD	11.90		12	102	55	37	45	
MKC2-1200-3XD	12.00		14	107	60	42	45	
MKC2-1210-3XD	12.10		14	107	60	41	45	
MKC2-1220-3XD	12.20		14	107	60	41	45	
MKC2-1230-3XD	12.30		14	107	60	41	45	
MKC2-1250-3XD	12.50		14	107	60	41	45	
MKC2-1260-3XD	12.60		14	107	60	41	45	
MKC2-1270-3XD	12.70		14	107	60	40	45	
MKC2-1280-3XD	12.80		14	107	60	40	45	
MKC2-1290-3XD	12.90		14	107	60	40	45	
MKC2-1300-3XD	13.00		14	107	60	40	45	
MKC2-1310-3XD	13.10		14	107	60	40	45	
MKC2-1320-3XD	13.20		14	107	60	40	45	
MKC2-1330-3XD	13.30		14	107	60	40	45	
MKC2-1350-3XD	13.50		14	107	60	39	45	
MKC2-1380-3XD	13.80		14	107	60	39	45	
MKC2-1400-3XD	14.00		16	115	65	44	48	
MKC2-1410-3XD	14.10		16	115	65	43	48	
MKC2-1420-3XD	14.20		16	115	65	43	48	
MKC2-1430-3XD	14.30		16	115	65	43	48	
MKC2-1440-3XD	14.40		16	115	65	43	48	
MKC2-1450-3XD	14.50		16	115	65	43	48	
MKC2-1460-3XD	14.60		16	115	65	43	48	
MKC2-1480-3XD	14.80		16	115	65	42	48	



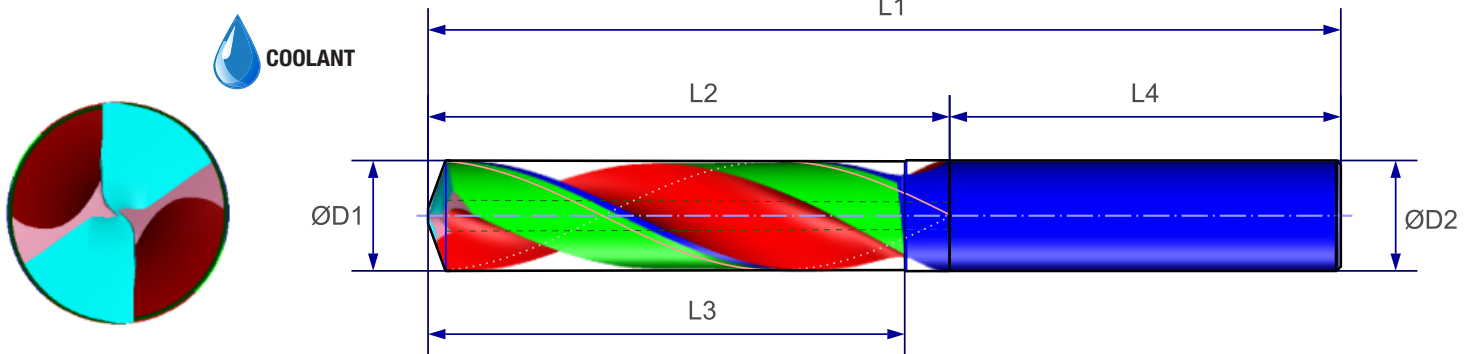
DESCRIPTION EX-AMPLE...M=METRIC, K=CAST IRON, C=COOLANT, 2=FLUTES, 125=DIA, -5XD=FLUTE LENGTH	DRILL DIAMETER D1 mm m7	DRILLS FOR THREADS	SHANK DIAMETER D2	OAL mm L1	FLUTE LENGTH L2 mm	DRILLING DEPTH mm L3	SHANK LENGTH L4 mm
MKC2-0300-5XD	3.00		6	66	28	23	36
MKC2-0310-5XD	3.10		6	66	28	23	36
MKC2-0320-5XD	3.20		6	66	28	23	36
MKC2-0330-5XD	3.30		6	66	28	23	36
MKC2-0340-5XD	3.40		6	66	28	22	36
MKC2-0350-5XD	3.50		6	66	28	22	36
MKC2-0360-5XD	3.60		6	66	28	22	36
MKC2-0370-5XD	3.70		6	66	28	22	36
MKC2-0380-5XD	3.80		6	74	36	30	36
MKC2-0390-5XD	3.90	10-24 UNC	6	74	36	30	36
MKC2-0400-5XD	4.00		6	74	36	30	36
MKC2-0410-5XD	4.10	10-32 UNF	6	74	36	29	36
MKC2-0420-5XD	4.20		6	74	36	29	36
MKC2-0430-5XD	4.30	M5	6	74	36	29	36
MKC2-0440-5XD	4.40		6	74	36	29	36
MKC2-0450-5XD	4.50		6	74	36	29	36
MKC2-0470-5XD	4.70		6	74	36	28	36
MKC2-0480-5XD	4.80	12-32 UNF	6	82	44	36	36
MKC2-0490-5XD	4.90		6	82	44	36	36
MKC2-0500-5XD	5.00		6	82	44	36	36
MKC2-0510-5XD	5.10	M6	6	82	44	36	36
MKC2-0520-5XD	5.20		6	82	44	36	36
MKC2-0530-5XD	5.30		6	82	44	36	36
MKC2-0540-5XD	5.40		6	82	44	35	36



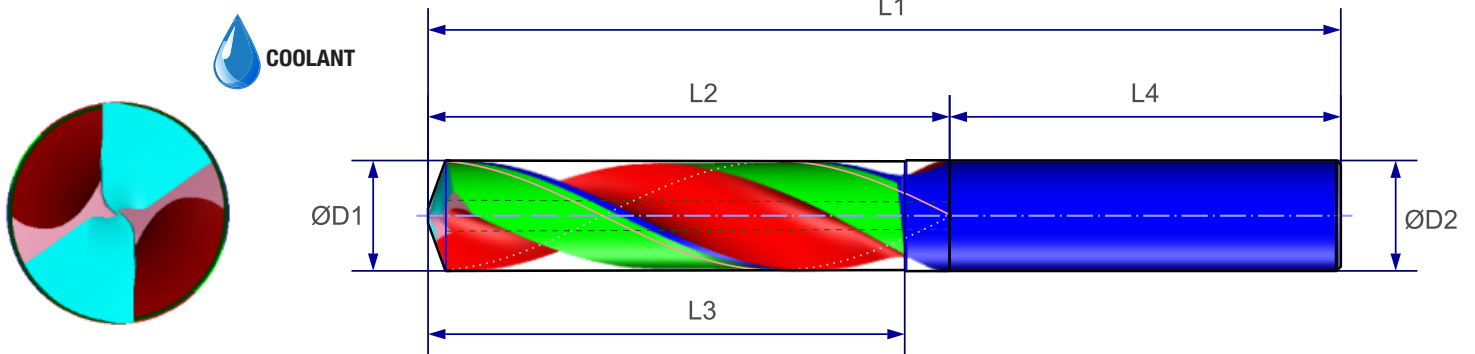
MKC2-0550-5XD	5.50		6	82	44	35	36
MKC2-0560-5XD	5.60		6	82	44	35	36
MKC2-0570-5XD	5.70		6	82	44	35	36
MKC2-0580-5XD	5.80		6	82	44	35	36
MKC2-0590-5XD	5.90		6	82	44	35	36
MKC2-0600-5XD	6.00		8	91	53	44	36
MKC2-0610-5XD	6.10		8	91	53	43	36
MKC2-0620-5XD	6.20		8	91	53	43	36
MKC2-0630-5XD	6.30		8	91	53	43	36
MKC2-0640-5XD	6.40		8	91	53	43	36
MKC2-0650-5XD	6.50		8	91	53	43	36
MKC2-0660-5XD	6.60		8	91	53	43	36
MKC2-0670-5XD	6.70	5/18-18UNF	8	91	53	42	36
MKC2-0675-5XD	6.75		8	91	53	42	36
MKC2-0680-5XD	6.80		8	91	53	42	36
MKC2-0690-5XD	6.90		8	91	53	42	36
MKC2-0700-5XD	7.00		8	91	53	42	36
MKC2-0710-5XD	7.10	MF8x1	8	91	53	42	36
MKC2-0720-5XD	7.20		8	91	53	42	36
MKC2-0730-5XD	7.30		8	91	53	42	36
MKC2-0740-5XD	7.40		8	91	53	41	36
MKC2-0750-5XD	7.50		8	91	53	41	36
MKC2-0760-5XD	7.60		8	91	53	41	36
MKC2-0770-5XD	7.70		8	91	53	41	36
MKC2-0780-5XD	7.80		8	91	53	41	36
MKC2-0790-5XD	7.90		8	91	53	41	36
MKC2-0800-5XD	8.00		10	103	61	49	40
MKC2-0810-5XD	8.10		10	103	61	48	40
MKC2-0820-5XD	8.20		10	103	61	48	40



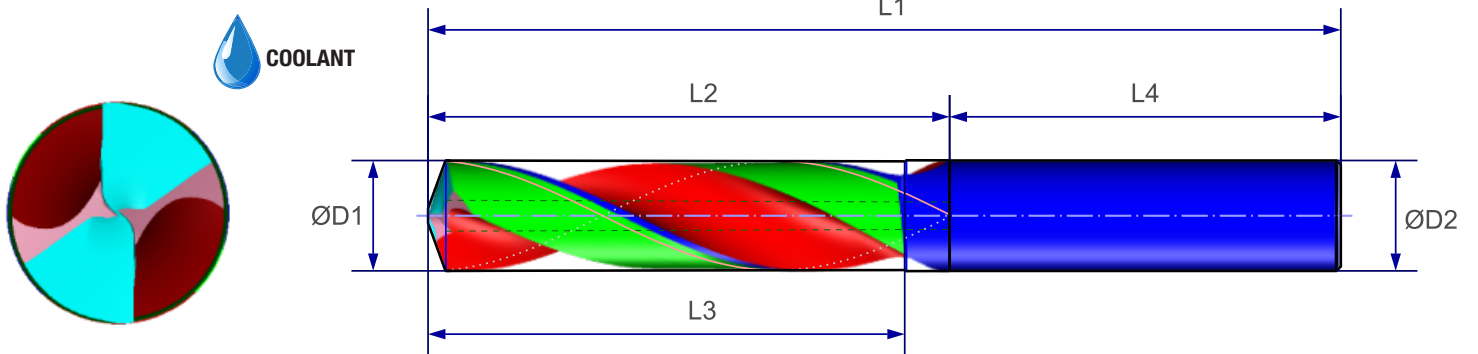
MKC2-0830-5XD	8.30		10	103	61	48	40
MKC2-0840-5XD	8.40		10	103	61	48	40
MKC2-0850-5XD	8.50		10	103	61	48	40
MKC2-0860-5XD	8.60	3/8-24 UNF	10	103	61	48	40
MKC2-0870-5XD	8.70	M10	10	103	61	47	40
MKC2-0880-5XD	8.80		10	103	61	47	40
MKC2-0890-5XD	8.90	MF10x1.25	10	103	61	47	40
MKC2-0900-5XD	9.00		10	103	61	47	40
MKC2-0910-5XD	9.10		10	103	61	47	40
MKC2-0920-5XD	9.20		10	103	61	47	40
MKC2-0930-5XD	9.30		10	103	61	47	40
MKC2-0940-5XD	9.40		10	103	61	46	40
MKC2-0950-5XD	9.50		10	103	61	46	40
MKC2-0960-5XD	9.60		10	103	61	46	40
MKC2-0970-5XD	9.70		10	103	61	46	40
MKC2-0980-5XD	9.80		10	103	61	46	40
MKC2-0990-5XD	9.90		10	103	61	46	40
MKC2-1000-5XD	10.00	7/16-20 UNF	12	118	71	56	45
MKC2-1010-5XD	10.10		12	118	71	55	45
MKC2-1020-5XD	10.20		12	118	71	55	45
MKC2-1030-5XD	10.30		12	118	71	55	45
MKC2-1040-5XD	10.40		12	118	71	55	45
MKC2-1050-5XD	10.50		12	118	71	55	45
MKC2-1060-5XD	10.60		12	118	71	55	45
MKC2-1070-5XD	10.70	MF12x1.5	12	118	71	54	45
MKC2-1080-5XD	10.80		12	118	71	54	45
MKC2-1090-5XD	10.90		12	118	71	54	45
MKC2-1100-5XD	11.00		12	118	71	54	45
MKC2-1110-5XD	11.10		12	118	71	54	45

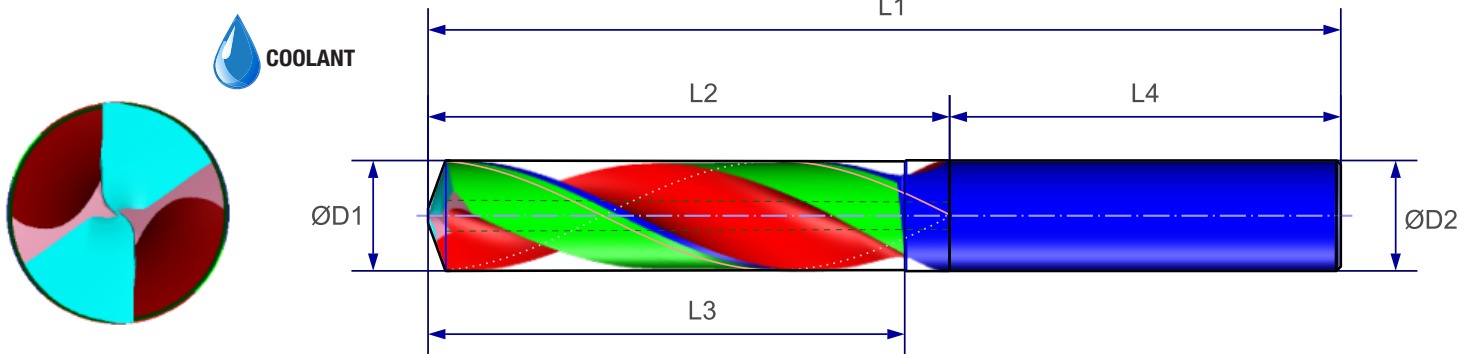


MKC2-1120-5XD	11.20		12	118	71	54	45	
MKC2-1140-5XD	11.40		12	118	71	53	45	
MKC2-1150-5XD	11.50		12	118	71	53	45	
MKC2-1160-5XD	11.60	1/2-20 UNF	12	118	71	53	45	
MKC2-1170-5XD	11.70		12	118	71	53	45	
MKC2-1180-5XD	11.80		12	118	71	53	45	
MKC2-1190-5XD	11.90		12	118	71	53	45	
MKC2-1200-5XD	12.00		14	124	77	59	45	
MKC2-1210-5XD	12.10		14	124	77	58	45	
MKC2-1220-5XD	12.20		14	124	77	58	45	
MKC2-1230-5XD	12.30		14	124	77	58	45	
MKC2-1250-5XD	12.50		14	124	77	58	45	
MKC2-1260-5XD	12.60		14	124	77	58	45	
MKC2-1270-5XD	12.70		14	124	77	57	45	
MKC2-1280-5XD	12.80		14	124	77	57	45	
MKC2-1290-5XD	12.90		14	124	77	57	45	
MKC2-1300-5XD	13.00		14	124	77	57	45	
MKC2-1310-5XD	13.10		14	124	77	57	45	
MKC2-1320-5XD	13.20		14	124	77	57	45	
MKC2-1330-5XD	13.30		14	124	77	57	45	
MKC2-1350-5XD	13.50		14	124	77	56	45	
MKC2-1380-5XD	13.80		14	124	77	56	45	
MKC2-1400-5XD	14.00		16	133	83	62	48	
MKC2-1410-5XD	14.10		16	133	83	61	48	
MKC2-1420-5XD	14.20		16	133	83	61	48	
MKC2-1430-5XD	14.30		16	133	83	61	48	
MKC2-1440-5XD	14.40		16	133	83	61	48	
MKC2-1450-5XD	14.50		16	133	83	61	48	
MKC2-1460-5XD	14.60		16	133	83	61	48	

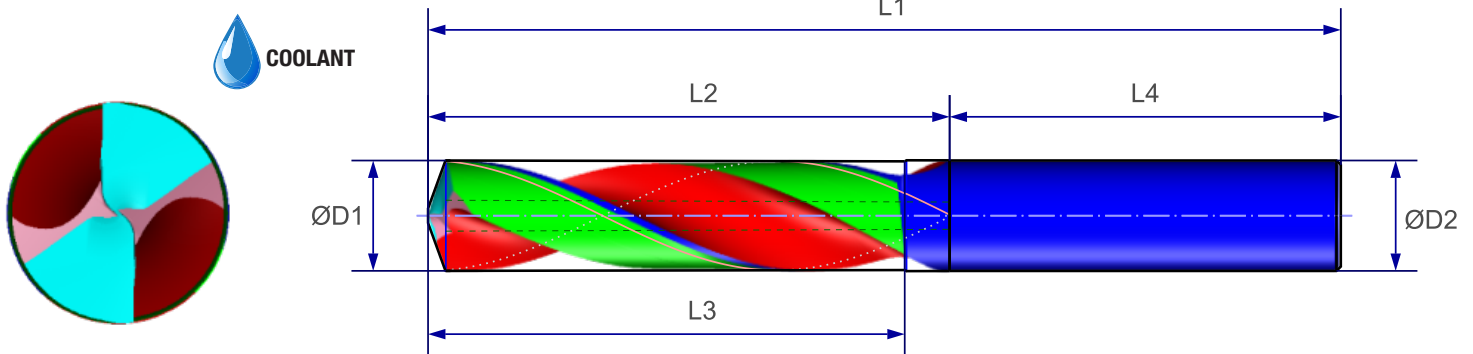


MKC2-1480-5XD	14.80		16	133	83	60	48	
MKC2-1500-5XD	15.00		16	133	83	60	48	
MKC2-1510-5XD	15.10		16	133	83	60	48	
MKC2-1520-5XD	15.20		16	133	83	60	48	
MKC2-1530-5XD	15.30		16	133	83	60	48	
MKC2-1540-5XD	15.40		16	133	83	59	48	
MKC2-1550-5XD	15.50		16	133	83	59	48	
MKC2-1560-5XD	15.60		16	133	83	59	48	
MKC2-1570-5XD	15.70		16	133	83	59	48	
MKC2-1580-5XD	15.80		16	133	83	59	48	
MKC2-1590-5XD	15.90		16	133	83	59	48	
MKC2-1600-5XD	16.00		18	143	93	69	48	
MKC2-1610-5XD	16.10		18	143	93	68	48	
MKC2-1650-5XD	16.50		18	143	93	68	48	
MKC2-1700-5XD	17.00		18	143	93	67	48	
MKC2-1750-5XD	17.50		18	143	93	66	48	
MKC2-1770-5XD	17.70		18	143	93	66	48	
MKC2-1800-5XD	18.00		20	153	101	74	50	
MKC2-1840-5XD	18.40		20	153	101	73	50	
MKC2-1850-5XD	18.50		20	153	101	73	50	
MKC2-1900-5XD	19.00		20	153	101	72	50	
MKC2-1910-5XD	19.10		20	153	101	72	50	
MKC2-1920-5XD	19.20		20	153	101	72	50	
MKC2-1930-5XD	19.30		20	153	101	72	50	
MKC2-1950-5XD	19.50		20	153	101	71	50	
MKC2-2000-5XD	20.00		20	153	101	71	50	

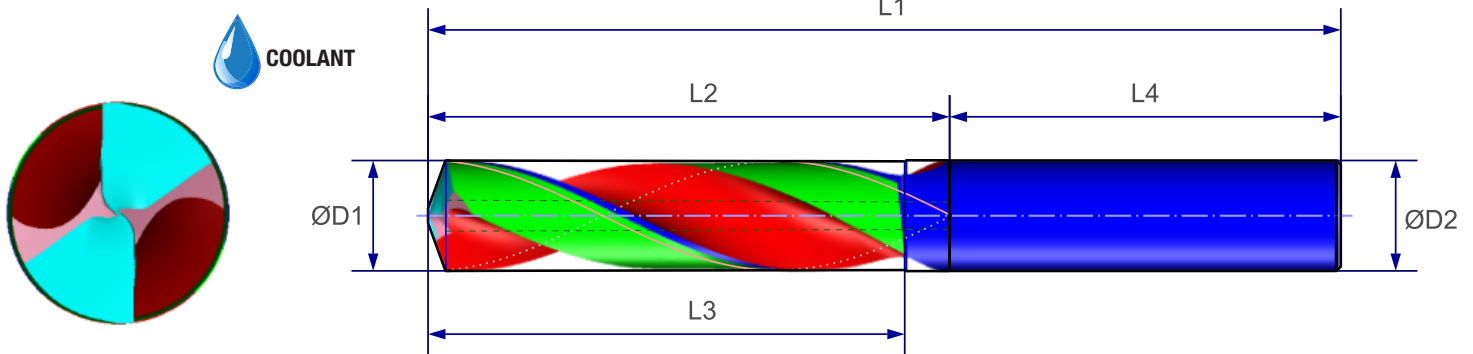




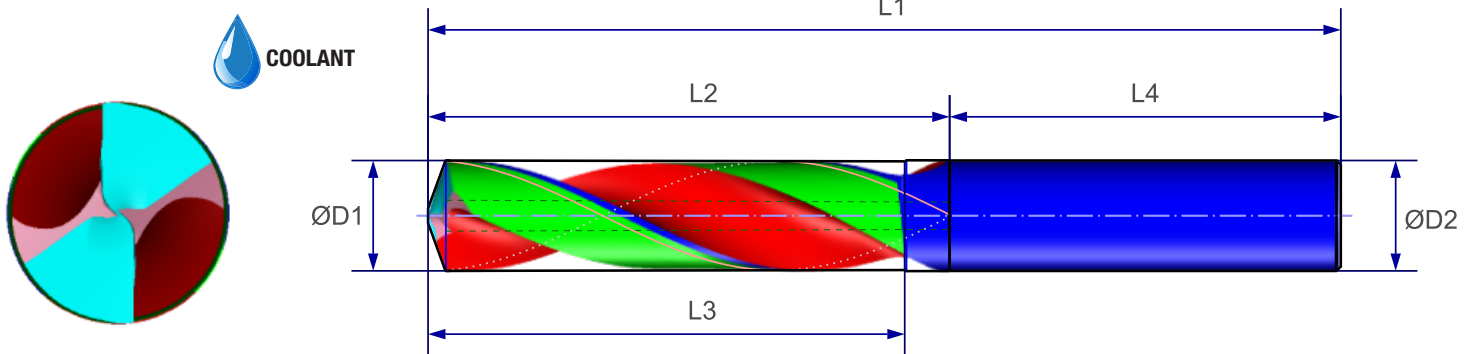
DESCRIPTION EX-AMPLE...M=METRIC, K=CAST IRON, C=COOLANT, 2=FLUTES, 125=DIA, -7XD=FLUTE LENGTH	DRILL DIAMETER D1 mm m7	DRILLS FOR THREADS	SHANK DIAM-ETER D2	OAL mm L1	FLUTE LENGTH L2 mm	DRILLING DEPTH L3 mm	SHANK LENGTH L4 mm
MKC2-0300-7XD	3.00		6	70	30	25	36
MKC2-0310-7XD	3.10		6	70	30	25	36
MKC2-0320-7XD	3.20		6	70	30	25	36
MKC2-0330-7XD	3.30		6	70	30	25	36
MKC2-0340-7XD	3.40		6	75	38	32	36
MKC2-0350-7XD	3.50		6	75	38	32	36
MKC2-0360-7XD	3.60		6	75	38	32	36
MKC2-0370-7XD	3.70		6	75	38	32	36
MKC2-0380-7XD	3.80		6	75	38	32	36
MKC2-0390-7XD	3.90	10-24 UNC	6	75	38	32	36
MKC2-0400-7XD	4.00		6	75	38	32	36
MKC2-0410-7XD	4.10	10-32 UNF	6	75	38	31	36
MKC2-0420-7XD	4.20		6	75	38	31	36
MKC2-0430-7XD	4.30	M5	6	85	45	38	36
MKC2-0440-7XD	4.40		6	85	45	38	36
MKC2-0450-7XD	4.50		6	85	45	38	36
MKC2-0470-7XD	4.70		6	85	45	37	36
MKC2-0480-7XD	4.80	12-32 UNF	6	90	50	42	36
MKC2-0490-7XD	4.90		6	90	50	42	36
MKC2-0500-7XD	5.00		6	90	50	42	36
MKC2-0510-7XD	5.10	M6	6	90	50	42	36
MKC2-0520-7XD	5.20		6	90	50	42	36
MKC2-0530-7XD	5.30		6	90	50	42	36
MKC2-0540-7XD	5.40		6	90	50	41	36



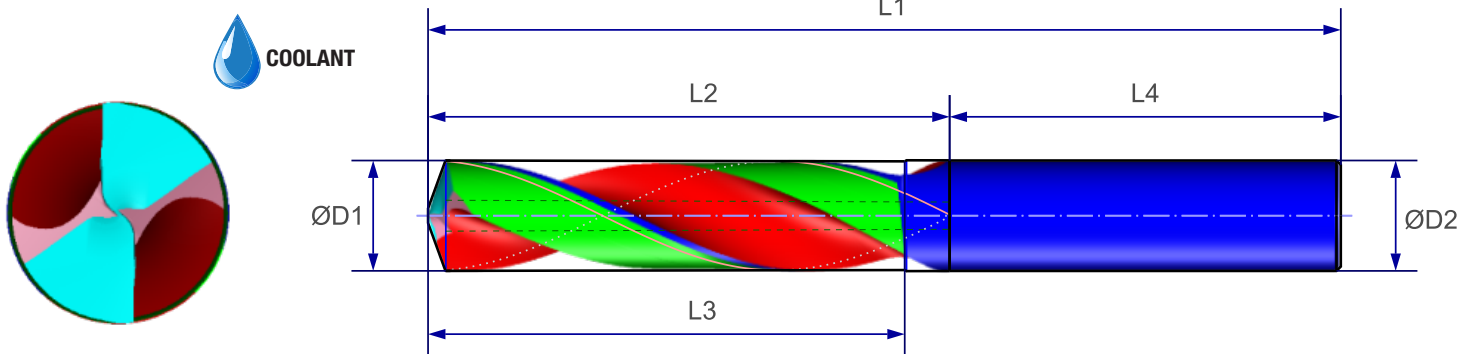
MKC2-0550-7XD	5.50		6	97	57	48	36	
MKC2-0560-7XD	5.60		6	97	57	48	36	
MKC2-0570-7XD	5.70		6	97	57	48	36	
MKC2-0580-7XD	5.80		6	97	57	48	36	
MKC2-0590-7XD	5.90		6	97	57	48	36	
MKC2-0600-7XD	6.00		8	106	66	57	36	
MKC2-0610-7XD	6.10		8	106	66	56	36	
MKC2-0620-7XD	6.20		8	106	66	56	36	
MKC2-0630-7XD	6.30		8	106	66	56	36	
MKC2-0640-7XD	6.40		8	106	66	56	36	
MKC2-0650-7XD	6.50		8	106	66	56	36	
MKC2-0660-7XD	6.60		8	106	66	56	36	
MKC2-0670-7XD	6.70	5/18-18UNF	8	106	66	55	36	
MKC2-0675-7XD	6.75		8	106	66	55	36	
MKC2-0680-7XD	6.80		8	106	66	55	36	
MKC2-0690-7XD	6.90		8	116	76	65	36	
MKC2-0700-7XD	7.00		8	116	76	65	36	
MKC2-0710-7XD	7.10	MF8x1	8	116	76	65	36	
MKC2-0720-7XD	7.20		8	116	76	65	36	
MKC2-0730-7XD	7.30		8	116	76	65	36	
MKC2-0740-7XD	7.40		8	116	76	64	36	
MKC2-0750-7XD	7.50		8	116	76	64	36	
MKC2-0760-7XD	7.60		8	116	76	64	36	
MKC2-0770-7XD	7.70		8	116	76	64	36	
MKC2-0780-7XD	7.80		8	116	76	64	36	
MKC2-0790-7XD	7.90		8	116	76	64	36	
MKC2-0800-7XD	8.00		10	131	87	75	40	
MKC2-0810-7XD	8.10		10	131	87	74	40	
MKC2-0820-7XD	8.20		10	131	87	74	40	
MKC2-0830-7XD	8.30		10	131	87	74	40	



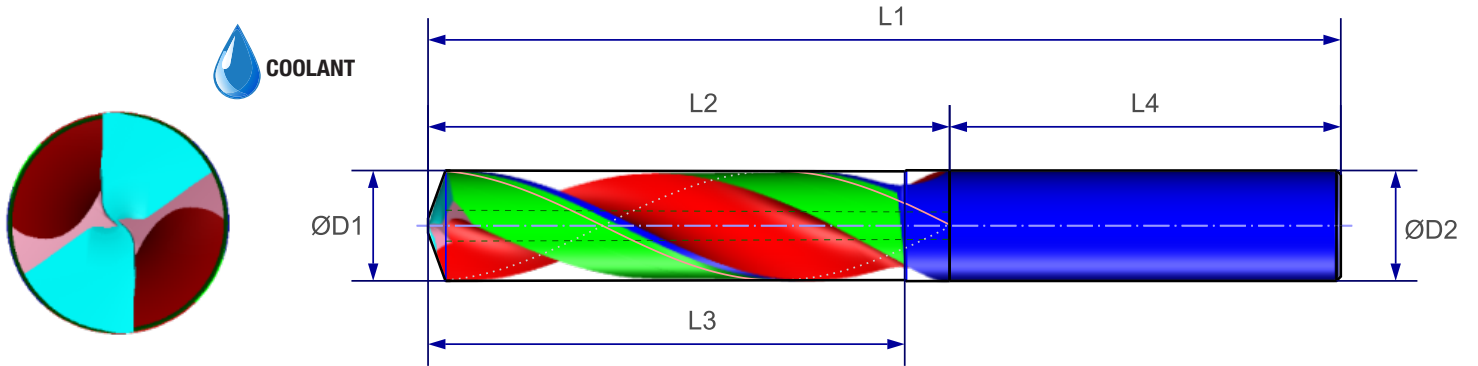
MKC2-0840-7XD	8.40		10	131	87	74	40
MKC2-0850-7XD	8.50		10	131	87	74	40
MKC2-0860-7XD	8.60	3/8-24 UNF	10	131	87	74	40
MKC2-0870-7XD	8.70	M10	10	131	87	73	40
MKC2-0880-7XD	8.80		10	131	87	73	40
MKC2-0890-7XD	8.90	MF10x1.25	10	131	87	73	40
MKC2-0900-7XD	9.00		10	131	87	73	40
MKC2-0910-7XD	9.10		10	139	95	81	40
MKC2-0920-7XD	9.20		10	139	95	81	40
MKC2-0930-7XD	9.30		10	139	95	81	40
MKC2-0940-7XD	9.40		10	139	95	80	40
MKC2-0950-7XD	9.50		10	139	95	80	40
MKC2-0960-7XD	9.60		10	139	95	80	40
MKC2-0970-7XD	9.70		10	139	95	80	40
MKC2-0980-7XD	9.80		10	139	95	80	40
MKC2-0990-7XD	9.90		10	139	95	80	40
MKC2-1000-7XD	10.00	7/16-20 UNF	12	155	106	91	45
MKC2-1010-7XD	10.10		12	155	106	90	45
MKC2-1020-7XD	10.20		12	155	106	90	45
MKC2-1030-7XD	10.30		12	155	106	90	45
MKC2-1040-7XD	10.40		12	155	106	90	45
MKC2-1050-7XD	10.50		12	155	106	90	45
MKC2-1060-7XD	10.60		12	155	106	90	45
MKC2-1070-7XD	10.70	MF12x1.5	12	155	106	89	45
MKC2-1080-7XD	10.80		12	155	106	89	45
MKC2-1090-7XD	10.90		12	155	106	89	45
MKC2-1100-7XD	11.00		12	155	106	89	45
MKC2-1110-7XD	11.10		12	155	106	89	45
MKC2-1120-7XD	11.20		12	163	114	97	45
MKC2-1140-7XD	11.40		12	163	114	96	45

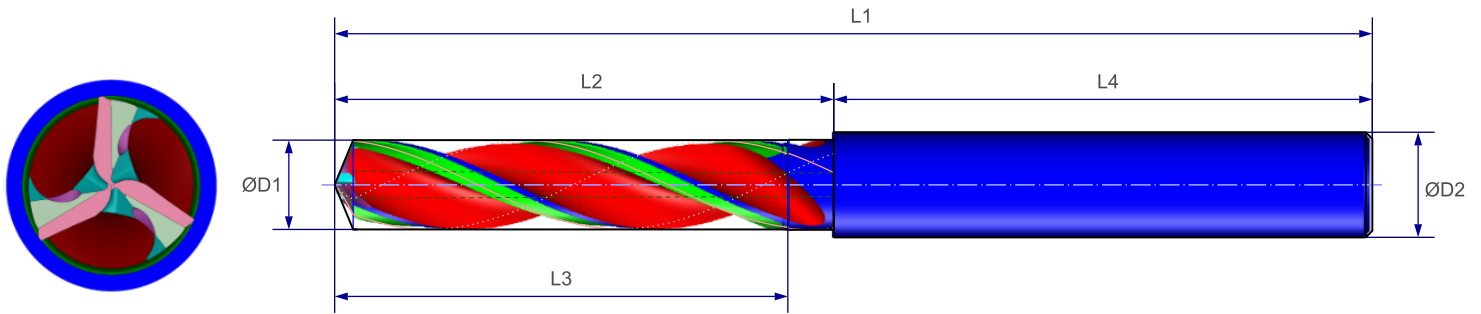


MKC2-1150-7XD	11.50		12	163	114	96	45	
MKC2-1160-7XD	11.60	1/2-20 UNF	12	163	114	96	45	
MKC2-1170-7XD	11.70		12	163	114	96	45	
MKC2-1180-7XD	11.80		12	163	114	96	45	
MKC2-1190-7XD	11.90		12	163	114	96	45	
MKC2-1200-7XD	12.00		14	182	133	115	45	
MKC2-1210-7XD	12.10		14	182	133	114	45	
MKC2-1220-7XD	12.20		14	182	133	114	45	
MKC2-1230-7XD	12.30		14	182	133	114	45	
MKC2-1250-7XD	12.50		14	182	133	114	45	
MKC2-1260-7XD	12.60		14	182	133	114	45	
MKC2-1270-7XD	12.70		14	182	133	113	45	
MKC2-1280-7XD	12.80		14	182	133	113	45	
MKC2-1290-7XD	12.90		14	182	133	113	45	
MKC2-1300-7XD	13.00		14	182	133	113	45	
MKC2-1310-7XD	13.10		14	182	133	113	45	
MKC2-1320-7XD	13.20		14	182	133	113	45	
MKC2-1330-7XD	13.30		14	182	133	113	45	
MKC2-1350-7XD	13.50		14	182	133	112	45	
MKC2-1380-7XD	13.80		14	182	133	112	45	
MKC2-1400-7XD	14.00		16	204	152	131	48	
MKC2-1410-7XD	14.10		16	204	152	130	48	
MKC2-1420-7XD	14.20		16	204	152	130	48	
MKC2-1430-7XD	14.30		16	204	152	130	48	
MKC2-1440-7XD	14.40		16	204	152	130	48	
MKC2-1450-7XD	14.50		16	204	152	130	48	
MKC2-1460-7XD	14.60		16	204	152	130	48	
MKC2-1480-7XD	14.80		16	204	152	129	48	
MKC2-1500-7XD	15.00		16	204	152	129	48	

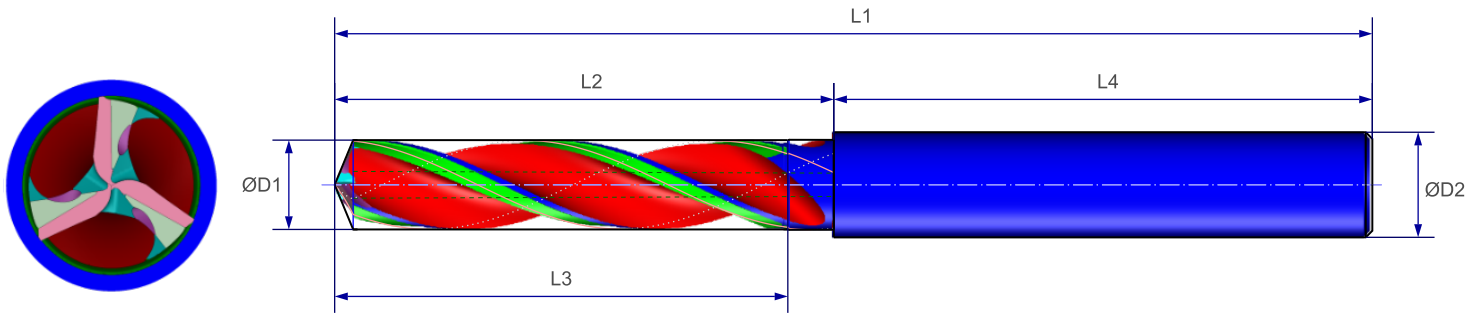


MKC2-1510-7XD	15.10		16	204	152	129	48	
MKC2-1520-7XD	15.20		16	204	152	129	48	
MKC2-1530-7XD	15.30		16	204	152	129	48	
MKC2-1540-7XD	15.40		16	204	152	128	48	
MKC2-1550-7XD	15.50		16	204	152	128	48	
MKC2-1560-7XD	15.60		16	204	152	128	48	
MKC2-1570-7XD	15.70		16	204	152	128	48	
MKC2-1580-7XD	15.80		16	204	152	128	48	
MKC2-1590-7XD	15.90		16	204	152	128	48	
MKC2-1600-7XD	16.00		18	223	171	147	48	
MKC2-1610-7XD	16.10		18	223	171	146	48	
MKC2-1650-7XD	16.50		18	223	171	146	48	
MKC2-1700-7XD	17.00		18	223	171	145	48	
MKC2-1750-7XD	17.50		18	223	171	144	48	
MKC2-1770-7XD	17.70		18	223	171	144	48	
MKC2-1800-7XD	18.00		20	244	190	163	50	
MKC2-1840-7XD	18.40		20	244	190	162	50	
MKC2-1850-7XD	18.50		20	244	190	162	50	
MKC2-1900-7XD	19.00		20	244	190	161	50	
MKC2-1910-7XD	19.10		20	244	190	161	50	
MKC2-1920-7XD	19.20		20	244	190	161	50	
MKC2-1930-7XD	19.30		20	244	190	161	50	
MKC2-1950-7XD	19.50		20	244	190	160	50	
MKC2-2000-7XD	20.00		20	244	190	160	50	

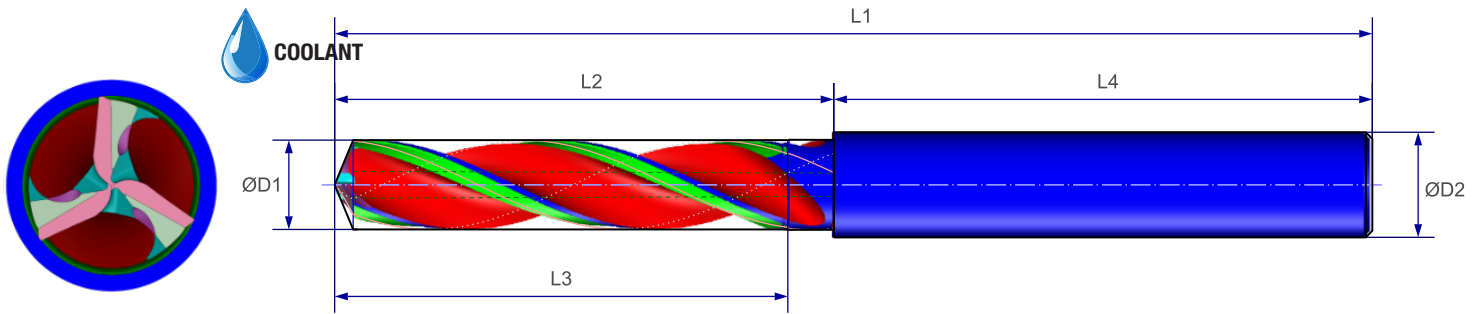




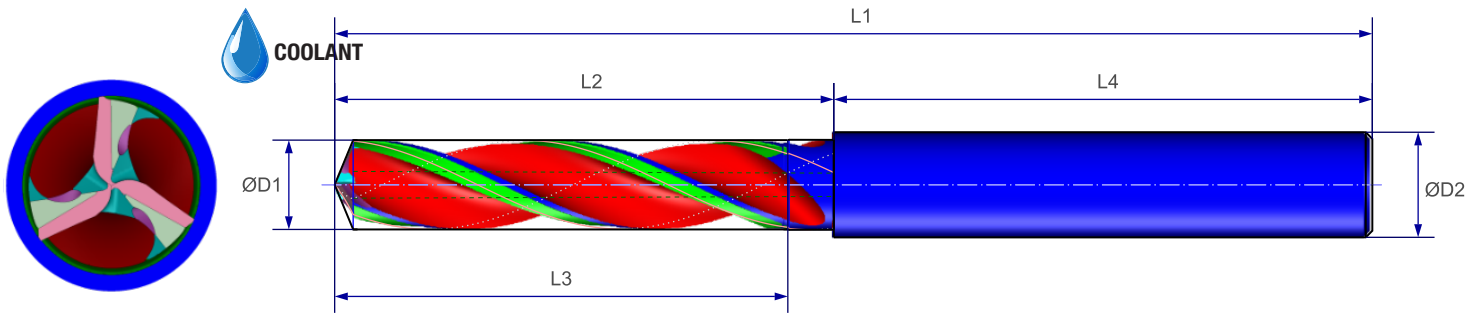
DESCRIPTION EX-AMPLE...L=INCH K=CAST IRON, S=SOLID, 3=FLUTES, 125=DIA, 3XD=Flute Length	DRILL DIAMETER D1 inch m7	DRILLS FRACTIONAL & FOR THREADS	SHANK DIAM- ETER D2 metric	OAL L1 inch	FLUTE LENGTH L2 inch	DRILLING DEPTH L3 inch	SHANK LENGTH L4 inch
IKS3-1250-5XD	.125	1/8	6	2.598	1.102	0.906	1.417
IKS3-1406-5XD	.141	9/64	6	2.598	1.102	0.906	1.417
IKS3-1540-5XD	.154	10-24 UNC	6	2.913	1.378	1.142	1.417
IKS3-1562-5XD	.156	5/32	6	2.913	1.378	1.142	1.417
IKS3-1610-5XD	.161	10-32 UNF	6	2.913	1.378	1.142	1.417
IKS3-1690-5XD	.169	M5	6	2.913	1.378	1.142	1.417
IKS3-1719-5XD	.172	11/64	6	2.913	1.378	1.142	1.417
IKS3-1875-5XD	.188	3/16	6	3.228	1.693	1.378	1.417
IKS3-1890-5XD	.189	12-32 UNF	6	3.228	1.693	1.378	1.417
IKS3-2010-5XD	.201	M6	6	3.228	1.693	1.378	1.417
IKS3-2031-5XD	.203	13/64	6	3.228	1.693	1.378	1.417
IKS3-2188-5XD	.219	7/32	6	3.228	1.693	1.378	1.417
IKS3-2344-5XD	.234	15/64	6	3.228	1.693	1.378	1.417
IKS3-2500-5XD	.250	1/4	8	3.583	2.126	1.693	1.417
IKS3-2640-5XD	.264	5/18-18UNF	8	3.583	2.126	1.693	1.417
IKS3-2656-5XD	.266	17/64	8	3.583	2.126	1.693	1.417
IKS3-2800-5XD	.280	MF8x1	8	3.583	2.126	1.693	1.417
IKS3-2813-5XD	.281	9/32	8	3.583	2.126	1.693	1.417
IKS3-2969-5XD	.297	19/64	8	3.583	2.126	1.693	1.417
IKS3-3125-5XD	.313	5/16	8	3.583	2.126	1.693	1.417
IKS3-3281-5XD	.328	21/64	10	4.055	2.480	1.929	1.575
IKS3-3438-5XD	.344	11/32	10	4.055	2.480	1.929	1.575
IKS3-3594-5XD	.359	23/64	10	4.055	2.480	1.929	1.575
IKS3-3750-5XD	.375	3/8	10	4.055	2.480	1.929	1.575



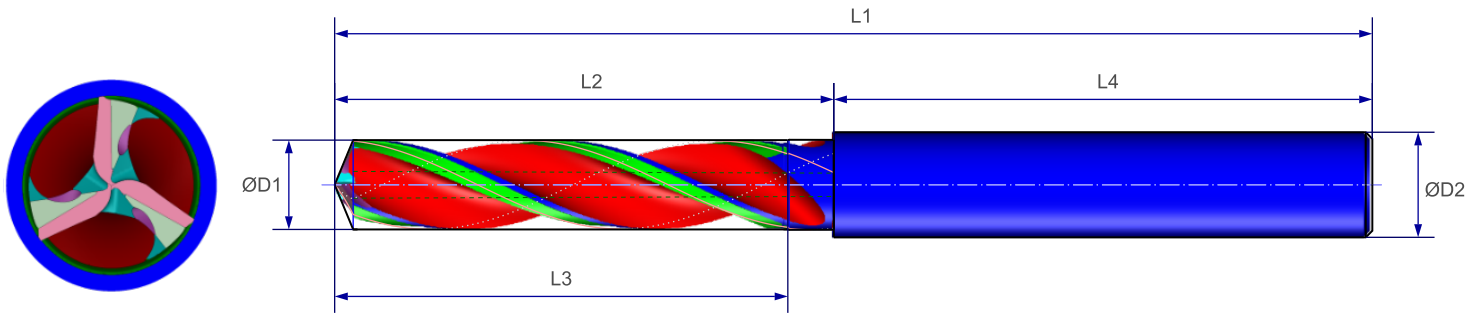
IKS3-3906-5XD	.391	25/64	10	4.055	2.480	1.929	1.575	
IKS3-3940-5XD	.394	7/16-20 UNF	12	4.646	2.874	2.205	1.575	
IKS3-4063-5XD	.406	13/32	12	4.646	2.874	2.205	1.772	
IKS3-4210-5XD	.421	MF12x1.5	12	4.646	2.874	2.205	1.772	
IKS3-4375-5XD	.438	7/16	12	4.646	2.874	2.205	1.772	
IKS3-4531-5XD	.453	29/64	12	4.646	2.874	2.205	1.772	
IKS3-4570-5XD	.457	1/2-20 UNF	12	4.646	2.874	2.205	1.772	
IKS3-4690-5XD	.469	15/32	12	4.646	2.874	2.205	1.772	
IKS3-4844-5XD	.484	31/64	14	4.882	3.150	2.362	1.772	
IKS3-5000-5XD	.500	1/2	14	4.882	3.150	2.362	1.772	
IKS3-5469-5XD	.547	35/64	14	4.882	3.150	2.362	1.772	
IKS3-5625-5XD	.563	9/16	16	5.236	3.386	2.480	1.890	
IKS3-5781-5XD	.578	37/64	16	5.236	3.386	2.480	1.890	
IKS3-5938-5XD	.594	19/32	16	5.236	3.386	2.480	1.890	
IKS3-6094-5XD	.609	39/64	16	5.236	3.386	2.480	1.890	
IKS3-6250-5XD	.625	5/8	16	5.236	3.386	2.480	1.890	
IKS3-6875-5XD	.688	11/16	18	5.630	3.819	2.795	1.890	
IKS3-7500-5XD	.750	3/4	20	6.024	4.134	3.031	1.969	



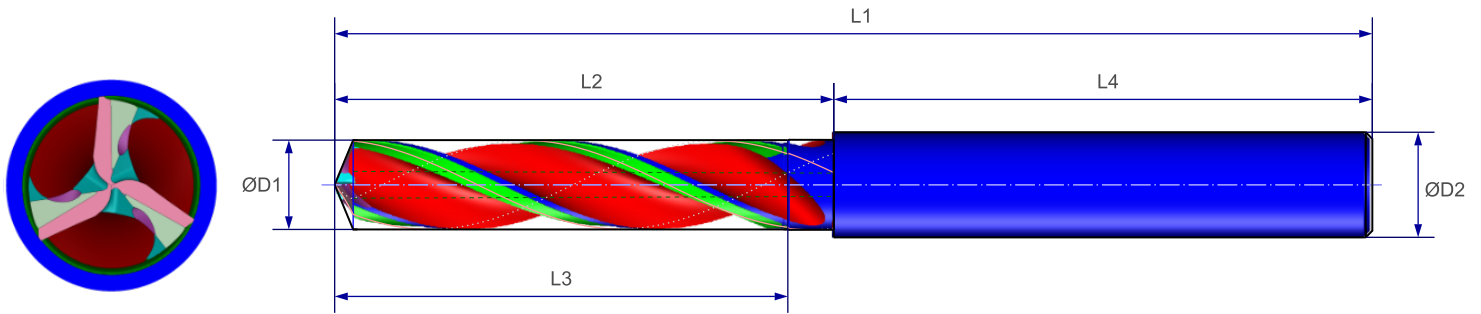
DESCRIPTION EXAM- PLE...I=INCH, K=CAST IRON, C=COOLANT, 3=FLUTES, 125=DIA, 5XD=Flute Length	DRILL DIAMETER D1 inch m7	DRILLS FRACTIONAL & FOR THREADS	SHANK DIAM- ETER D2 metric	OAL L1 inch	FLUTE LENGTH L2 inch	DRILLING DEPTH L3 inch	SHANK LENGTH L4 inch
IKS3-1875-5XD	.188	3/16	6	3.228	1.693	1.378	1.417
IKS3-1890-5XD	.189	12-32 UNF	6	3.228	1.693	1.378	1.417
IKS3-2010-5XD	.201	M6	6	3.228	1.693	1.378	1.417
IKS3-2031-5XD	.203	13/64	6	3.228	1.693	1.378	1.417
IKS3-2188-5XD	.219	7/32	6	3.228	1.693	1.378	1.417
IKS3-2344-5XD	.234	15/64	6	3.228	1.693	1.378	1.417
IKS3-2500-5XD	.250	1/4	8	3.583	2.126	1.693	1.417
IKS3-2640-5XD	.264	5/18-18UNF	8	3.583	2.126	1.693	1.417
IKS3-2656-5XD	.266	17/64	8	3.583	2.126	1.693	1.417
IKS3-2800-5XD	.280	MF8x1	8	3.583	2.126	1.693	1.417
IKS3-2813-5XD	.281	9/32	8	3.583	2.126	1.693	1.417
IKS3-2969-5XD	.297	19/64	8	3.583	2.126	1.693	1.417
IKS3-3125-5XD	.313	5/16	8	3.583	2.126	1.693	1.417
IKS3-3281-5XD	.328	21/64	10	4.055	2.480	1.929	1.575
IKS3-3438-5XD	.344	11/32	10	4.055	2.480	1.929	1.575
IKS3-3594-5XD	.359	23/64	10	4.055	2.480	1.929	1.575
IKS3-3750-5XD	.375	3/8	10	4.055	2.480	1.929	1.575
IKS3-3906-5XD	.391	25/64	10	4.055	2.480	1.929	1.575
IKS3-3940-5XD	.394	7/16-20 UNF	12	4.646	2.874	2.205	1.575
IKS3-4063-5XD	.406	13/32	12	4.646	2.874	2.205	1.772
IKS3-4210-5XD	.421	MF12x1.5	12	4.646	2.874	2.205	1.772
IKS3-4375-5XD	.438	7/16	12	4.646	2.874	2.205	1.772
IKS3-4531-5XD	.453	29/64	12	4.646	2.874	2.205	1.772
IKS3-4570-5XD	.457	1/2-20 UNF	12	4.646	2.874	2.205	1.772



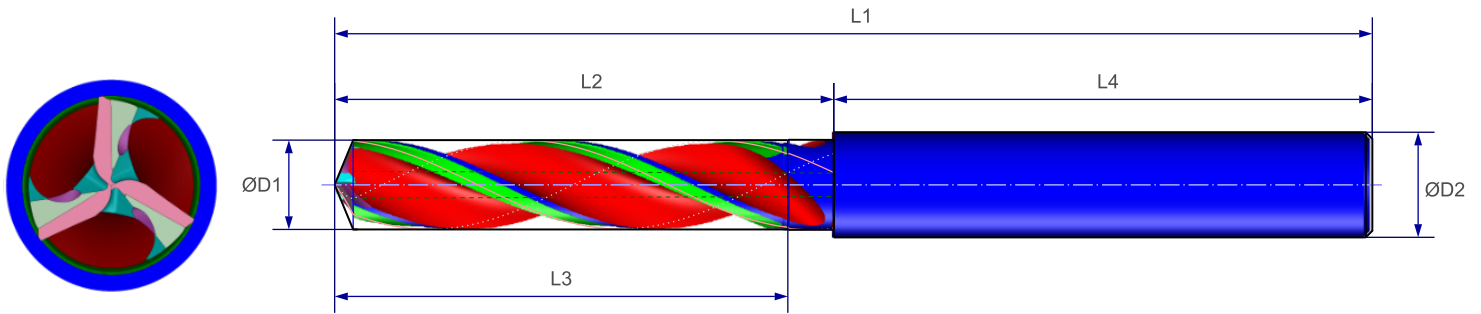
IKS3-4690-5XD	.469	15/32	12	4.646	2.874	2.205	1.772	
IKS3-4844-5XD	.484	31/64	14	4.882	3.150	2.362	1.772	
IKS3-5000-5XD	.500	1/2	14	4.882	3.150	2.362	1.772	
IKS3-5469-5XD	.547	35/64	14	4.882	3.150	2.362	1.772	
IKS3-5625-5XD	.563	9/16	16	5.236	3.386	2.480	1.890	
IKS3-5781-5XD	.578	37/64	16	5.236	3.386	2.480	1.890	
IKS3-5938-5XD	.594	19/32	16	5.236	3.386	2.480	1.890	
IKS3-6094-5XD	.609	39/64	16	5.236	3.386	2.480	1.890	
IKS3-6250-5XD	.625	5/8	16	5.236	3.386	2.480	1.890	
IKS3-6875-5XD	.688	11/16	18	5.630	3.819	2.795	1.890	
IKS3-7500-5XD	.750	3/4	20	6.024	4.134	3.031	1.969	



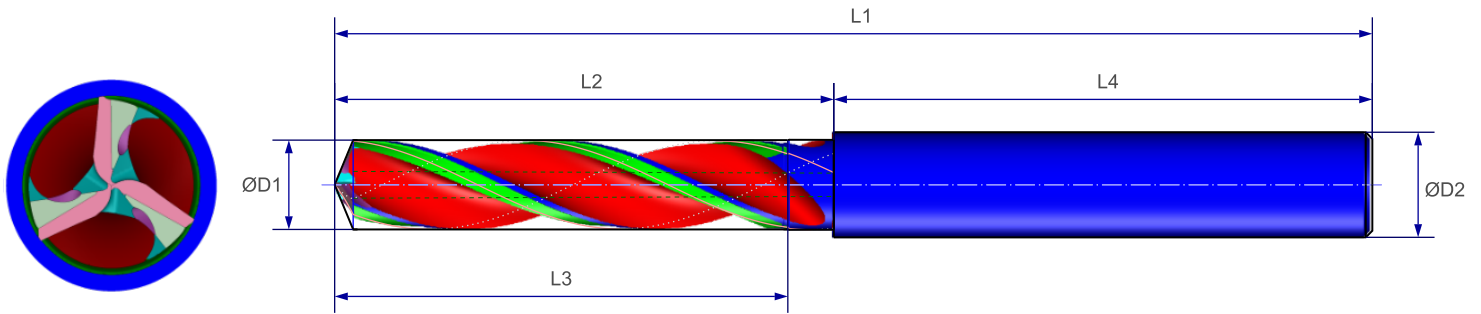
DESCRIPTION EX-AMPLE...M=METRIC, C=CAST IRON, S=SOLID, F=FLUTES, 3=Metric DIA 5XD=FLUTE LENGTH	DRILL DIAMETER D1 mm m7	DRILLS FOR THREADS	SHANK DIAMETER D2	OAL L1 mm	FLUTE LENGTH L2 mm	DRILLING DEPTH L3 mm	SHANK LENGTH L4 mm
MKS3-0300-5XD	3.00		6	66	28	23	36
MKS3-0310-5XD	3.10		6	66	28	23	36
MKS3-0320-5XD	3.20		6	66	28	23	36
MKS3-0330-5XD	3.30		6	66	28	23	36
MKS3-0340-5XD	3.40	M4	6	66	28	23	36
MKS3-0350-5XD	3.50		6	66	28	23	36
MKS3-0360-5XD	3.60		6	66	28	23	36
MKS3-0370-5XD	3.70		6	66	28	23	36
MKS3-0380-5XD	3.80		6	74	35	29	36
MKS3-0390-5XD	3.90	10-24 UNC	6	74	35	29	36
MKS3-0400-5XD	4.00		6	74	35	29	36
MKS3-0410-5XD	4.10	10-32 UNC	6	74	35	29	36
MKS3-0420-5XD	4.20		6	74	35	29	36
MKS3-0430-5XD	4.30	M5	6	74	35	29	36
MKS3-0440-5XD	4.40		6	74	35	29	36
MKS3-0450-5XD	4.50		6	74	35	29	36
MKS3-0470-5XD	4.70		6	74	35	29	36
MKS3-0480-5XD	4.80	12-32 UNC	6	82	43	35	36
MKS3-0490-5XD	4.90		6	82	43	35	36
MKS3-0500-5XD	5.00		6	82	43	35	36
MKS3-0510-5XD	5.10	M6	6	82	43	35	36
MKS3-0520-5XD	5.20		6	82	43	35	36
MKS3-0530-5XD	5.30	1/4-20 UNC	6	82	43	35	36
MKS3-0540-5XD	5.40		6	82	43	35	36



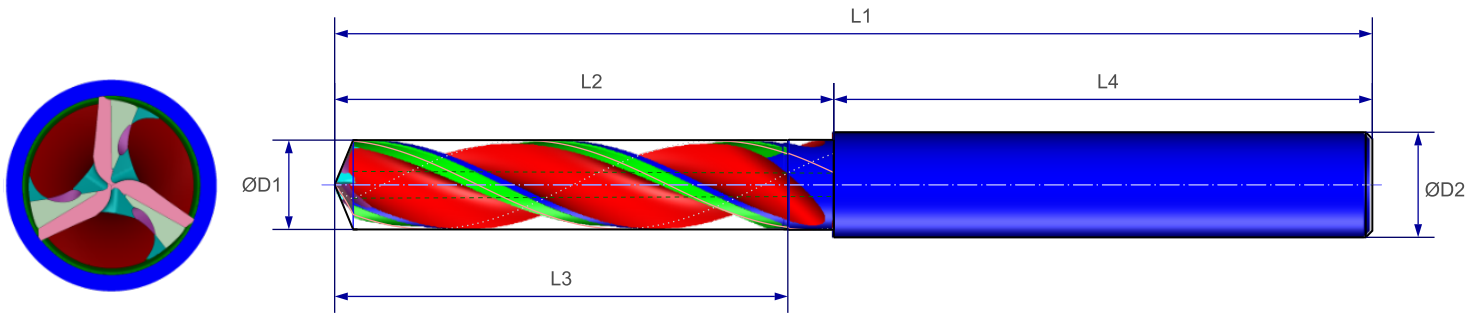
MKS3-0550-5XD	5.50		6	82	43	35	36
MKS3-0560-5XD	5.60		6	82	43	35	36
MKS3-0570-5XD	5.70		6	82	43	35	36
MKS3-0580-5XD	5.80		6	82	43	35	36
MKS3-0590-5XD	5.90		6	82	43	35	36
MKS3-0600-5XD	6.00		8	91	54	43	36
MKS3-0610-5XD	6.10		8	91	54	43	36
MKS3-0620-5XD	6.20		8	91	54	43	36
MKS3-0630-5XD	6.30		8	91	54	43	36
MKS3-0640-5XD	6.40		8	91	54	43	36
MKS3-0650-5XD	6.50		8	91	54	43	36
MKS3-0660-5XD	6.60		8	91	54	43	36
MKS3-0670-5XD	6.70	5/18-18UNF	8	91	54	43	36
MKS3-0675-5XD	6.75		8	91	54	43	36
MKS3-0680-5XD	6.80		8	91	54	43	36
MKS3-0690-5XD	6.90	M8	8	91	54	43	36
MKS3-0700-5XD	7.00		8	91	54	43	36
MKS3-0710-5XD	7.10	MF8x1	8	91	54	43	36
MKS3-0720-5XD	7.20		8	91	54	43	36
MKS3-0730-5XD	7.30		8	91	54	43	36
MKS3-0740-5XD	7.40		8	91	54	43	36
MKS3-0750-5XD	7.50		8	91	54	43	36
MKS3-0760-5XD	7.60		8	91	54	43	36
MKS3-0770-5XD	7.70		8	91	54	43	36
MKS3-0780-5XD	7.80		8	91	54	43	36
MKS3-0790-5XD	7.90		8	91	54	43	36
MKS3-0800-5XD	8.00		10	103	63	49	40
MKS3-0810-5XD	8.10		10	103	63	49	40
MKS3-0820-5XD	8.20	3/8-16 UNC	10	103	63	49	40
MKS3-0830-5XD	8.30		10	103	63	49	40



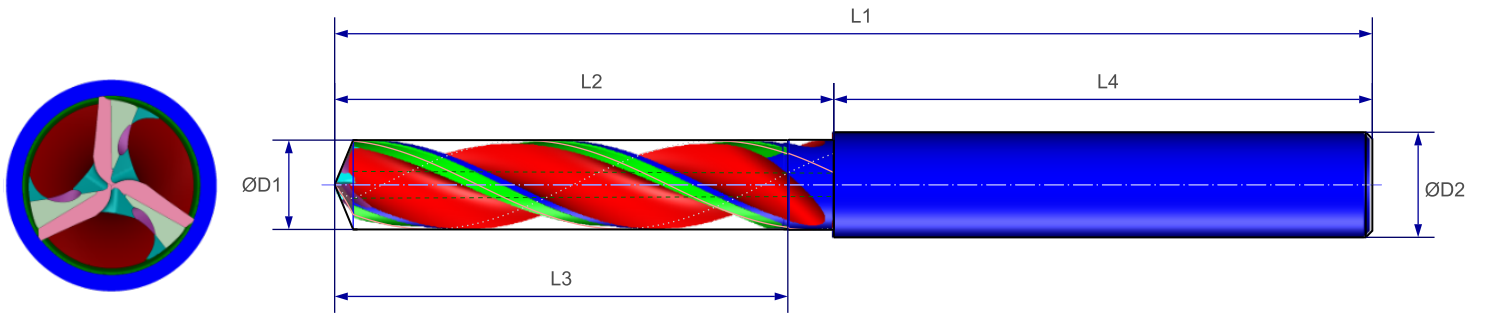
MKS3-0840-5XD	8.40		10	103	63	49	40
MKS3-0850-5XD	8.50		10	103	63	49	40
MKS3-0860-5XD	8.60	3/8-24 UNF	10	103	63	49	40
MKS3-0870-5XD	8.70	M10	10	103	63	49	40
MKS3-0880-5XD	8.80		10	103	63	49	40
MKS3-0890-5XD	8.90	MF10x1.25	10	103	63	49	40
MKS3-0900-5XD	9.00		10	103	63	49	40
MKS3-0910-5XD	9.10		10	103	63	49	40
MKS3-0920-5XD	9.20		10	103	63	49	40
MKS3-0930-5XD	9.30		10	103	63	49	40
MKS3-0940-5XD	9.40		10	103	63	49	40
MKS3-0950-5XD	9.50		10	103	63	49	40
MKS3-0960-5XD	9.60		10	103	63	49	40
MKS3-0970-5XD	9.70		10	103	63	49	40
MKS3-0980-5XD	9.70		10	103	63	49	40
MKS3-0990-5XD	9.90		10	103	63	49	40
MKS3-1000-5XD	10.00	7/16-20 UNF	12	118	73	56	45
MKS3-1010-5XD	10.10		12	118	73	56	45
MKS3-1020-5XD	10.20		12	118	73	56	45
MKS3-1030-5XD	10.30		12	118	73	56	45
MKS3-1040-5XD	10.40	M12	12	118	73	56	45
MKS3-1050-5XD	10.50		12	118	73	56	45
MKS3-1060-5XD	10.60		12	118	73	56	45
MKS3-1070-5XD	10.70	MF12x1.5	12	118	73	56	45
MKS3-1080-5XD	10.80		12	118	73	56	45
MKS3-1090-5XD	10.90		12	118	73	56	45
MKS3-1100-5XD	11.00	1/2-13 UNC	12	118	73	56	45
MKS3-1110-5XD	11.10		12	118	73	56	45
MKS3-1120-5XD	11.20		12	118	73	56	45

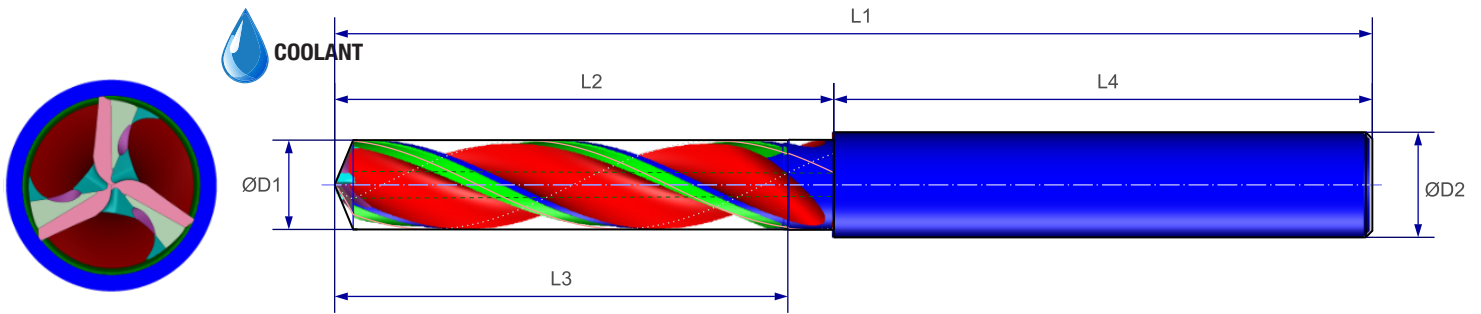


MKS3-1140-5XD	11.40		12	118	73	56	45	
MKS3-1150-5XD	11.50		12	118	73	56	45	
MKS3-1160-5XD	11.60	1/2-20 UNF	12	118	73	56	45	
MKS3-1170-5XD	11.70		12	118	73	56	45	
MKS3-1180-5XD	11.80		12	118	73	56	45	
MKS3-1190-5XD	11.90		12	118	73	56	45	
MKS3-1200-5XD	12.00		14	124	80	60	45	
MKS3-1210-5XD	12.10		14	124	80	60	45	
MKS3-1220-5XD	12.20		14	124	80	60	45	
MKS3-1230-5XD	12.30		14	124	80	60	45	
MKS3-1250-5XD	12.50		14	124	80	60	45	
MKS3-1260-5XD	12.60		14	124	80	60	45	
MKS3-1270-5XD	12.70		14	124	80	60	45	
MKS3-1280-5XD	12.80		14	124	80	60	45	
MKS3-1290-5XD	12.90		14	124	80	60	45	
MKS3-1300-5XD	13.00		14	124	80	60	45	
MKS3-1310-5XD	13.10		14	124	80	60	45	
MKS3-1320-5XD	13.20		14	124	80	60	45	
MKS3-1330-5XD	13.30		14	124	80	60	45	
MKS3-1350-5XD	13.50		14	124	80	60	45	
MKS3-1380-5XD	13.80		14	124	80	60	45	
MKS3-1400-5XD	14.00		16	133	86	63	48	
MKS3-1410-5XD	14.10		16	133	86	63	48	
MKS3-1420-5XD	14.20		16	133	86	63	48	
MKS3-1430-5XD	14.30		16	133	86	63	48	
MKS3-1440-5XD	14.40		16	133	86	63	48	
MKS3-1450-5XD	14.50		16	133	86	63	48	
MKS3-1460-5XD	14.60		16	133	86	63	48	
MKS3-1480-5XD	14.80		16	133	86	63	48	

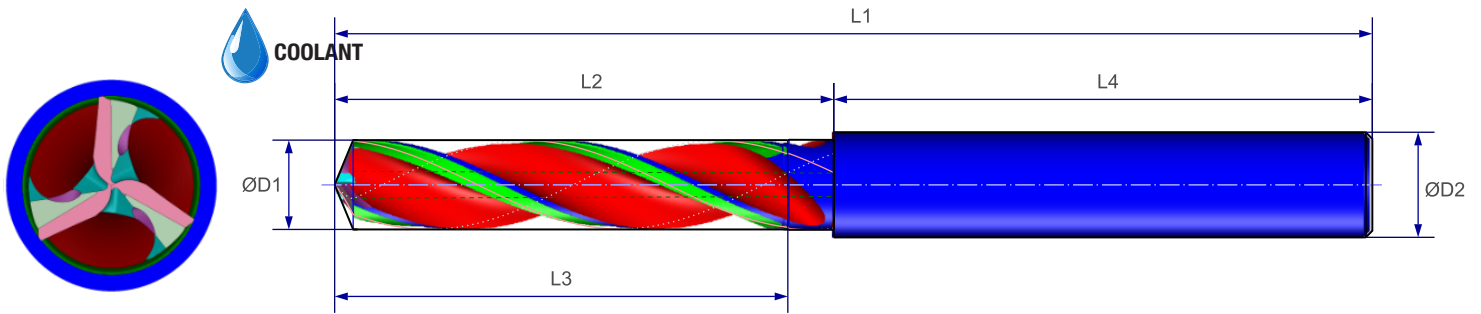


MKS3-1500-5XD	15.00		16	133	86	63	48
MKS3-1510-5XD	15.10		16	133	86	63	48
MKS3-1520-5XD	15.20		16	133	86	63	48
MKS3-1530-5XD	15.30		16	133	86	63	48
MKS3-1540-5XD	15.40		16	133	86	63	48
MKS3-1550-5XD	15.50		16	133	86	63	48
MKS3-1560-5XD	15.60		16	133	86	63	48
MKS3-1570-5XD	15.70		16	133	86	63	48
MKS3-1580-5XD	15.80		16	133	86	63	48
MKS3-1590-5XD	15.90		16	133	86	63	48
MKS3-1600-5XD	16.00		18	143	97	71	48
MKS3-1610-5XD	16.10		18	143	97	71	48
MKS3-1650-5XD	16.50		18	143	97	71	48
MKS3-1700-5XD	17.00		18	143	97	71	48
MKS3-1750-5XD	17.50		18	143	97	71	48
MKS3-1770-5XD	17.70		18	143	97	71	48
MKS3-1800-5XD	18.00		20	153	105	77	50
MKS3-1840-5XD	18.40		20	153	105	77	50
MKS3-1850-5XD	18.50		20	153	105	77	50
MKS3-1900-5XD	19.00		20	153	105	77	50
MKS3-1910-5XD	19.10		20	153	105	77	50
MKS3-1920-5XD	19.20		20	153	105	77	50
MKS3-1930-5XD	19.30		20	153	105	77	50
MKS3-1950-5XD	19.50		20	153	105	77	50
MKS3-2000-5XD	20.00		20	153	105	77	50

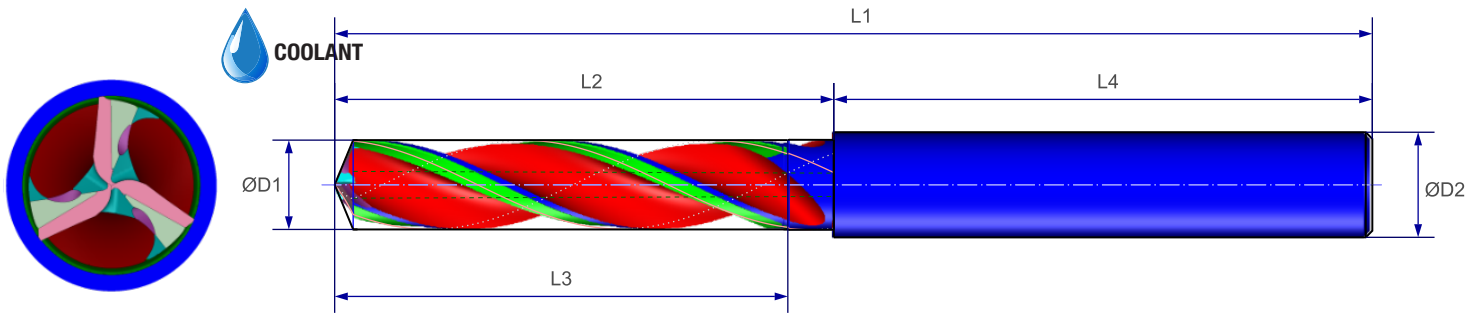




DESCRIPTION EX-AMPLE...M=METRIC, K=CAST IRON, C=COOLANT, 3=FLUTES, 3=Metric DIA 5XD=FLUTE LENGTH	DRILL DIAMETER D1 mm m7	DRILLS FOR THREADS	SHANK DIAM-ETER D2	OAL L1 mm	FLUTE LENGTH L2 mm	DRILLING DEPTH L3 mm	SHANK LENGTH L4 mm	
MKC3-0600-5XD	6.00		8	91	54	43	36	
MKC3-0610-5XD	6.10		8	91	54	43	36	
MKC3-0620-5XD	6.20		8	91	54	43	36	
MKC3-0630-5XD	6.30		8	91	54	43	36	
MKC3-0640-5XD	6.40		8	91	54	43	36	
MKC3-0650-5XD	6.50		8	91	54	43	36	
MKC3-0660-5XD	6.60		8	91	54	43	36	
MKC3-0670-5XD	6.70	5/18-18UNF	8	91	54	43	36	
MKC3-0675-5XD	6.75		8	91	54	43	36	
MKC3-0680-5XD	6.80		8	91	54	43	36	
MKC3-0690-5XD	6.90	M8	8	91	54	43	36	
MKC3-0700-5XD	7.00		8	91	54	43	36	
MKC3-0710-5XD	7.10	MF8x1	8	91	54	43	36	
MKC3-0720-5XD	7.20		8	91	54	43	36	
MKC3-0730-5XD	7.30		8	91	54	43	36	
MKC3-0740-5XD	7.40		8	91	54	43	36	
MKC3-0750-5XD	7.50		8	91	54	43	36	
MKC3-0760-5XD	7.60		8	91	54	43	36	
MKC3-0770-5XD	7.70		8	91	54	43	36	
MKC3-0780-5XD	7.80		8	91	54	43	36	
MKC3-0790-5XD	7.90		8	91	54	43	36	
MKC3-0800-5XD	8.00		10	103	63	49	40	
MKC3-0810-5XD	8.10		10	103	63	49	40	
MKC3-0820-5XD	8.20	3/8-16 UNC	10	103	63	49	40	



MKC3-0830-5XD	8.30		10	103	63	49	40	
MKC3-0840-5XD	8.40		10	103	63	49	40	
MKC3-0850-5XD	8.50		10	103	63	49	40	
MKC3-0860-5XD	8.60	3/8-24 UNF	10	103	63	49	40	
MKC3-0870-5XD	8.70	M10	10	103	63	49	40	
MKC3-0880-5XD	8.80		10	103	63	49	40	
MKC3-0890-5XD	8.90	MF10x1.25	10	103	63	49	40	
MKC3-0900-5XD	9.00		10	103	63	49	40	
MKC3-0910-5XD	9.10		10	103	63	49	40	
MKC3-0920-5XD	9.20		10	103	63	49	40	
MKC3-0930-5XD	9.30		10	103	63	49	40	
MKC3-0940-5XD	9.40		10	103	63	49	40	
MKC3-0950-5XD	9.50		10	103	63	49	40	
MKC3-0960-5XD	9.60		10	103	63	49	40	
MKC3-0970-5XD	9.70		10	103	63	49	40	
MKC3-0980-5XD	9.70		10	103	63	49	40	
MKC3-0990-5XD	9.90		10	103	63	49	40	
MKC3-1000-5XD	10.00	7/16-20 UNF	12	118	73	56	45	
MKC3-1010-5XD	10.10		12	118	73	56	45	
MKC3-1020-5XD	10.20		12	118	73	56	45	
MKC3-1030-5XD	10.30		12	118	73	56	45	
MKC3-1040-5XD	10.40	M12	12	118	73	56	45	
MKC3-1050-5XD	10.50		12	118	73	56	45	
MKC3-1060-5XD	10.60		12	118	73	56	45	
MKC3-1070-5XD	10.70	MF12x1.5	12	118	73	56	45	
MKC3-1080-5XD	10.80		12	118	73	56	45	
MKC3-1090-5XD	10.90		12	118	73	56	45	
MKC3-1100-5XD	11.00	1/2-13 UNC	12	118	73	56	45	
MKC3-1110-5XD	11.10		12	118	73	56	45	
MKC3-1120-5XD	11.20		12	118	73	56	45	



									118	73	56	45	
									118	73	56	45	
									118	73	56	45	
									118	73	56	45	
									118	73	56	45	
									118	73	56	45	
									118	73	56	45	
									124	80	60	45	
									124	80	60	45	
									124	80	60	45	
									124	80	60	45	
									124	80	60	45	
									124	80	60	45	
									124	80	60	45	
									124	80	60	45	
									124	80	60	45	
									124	80	60	45	
									124	80	60	45	
									124	80	60	45	
									124	80	60	45	
									124	80	60	45	
									124	80	60	45	
									124	80	60	45	
									133	86	63	48	
									133	86	63	48	
									133	86	63	48	
									133	86	63	48	
									133	86	63	48	
									133	86	63	48	
									133	86	63	48	
									133	86	63	48	
									133	86	63	48	
									133	86	63	48	
									133	86	63	48	

Tool Diameter	
inch	0.125 0.188 0.25 0.313 0.375 0.5 0.625 0.75
mm	3.0 4.0 6.0 8.0 10.0 12.0 16.0 20.0

2-Flute	Cast and Low-Strength Ductile Irons	Tensile Strength RM (MPa): 150-400	Hardness (HB) or HRC: 12-290
----------------	--	---	-------------------------------------

Cutting Speed		Min. Start Max			Feed Rate by Diameter								
					IPR								
SFM	Solid	225	355	485	IPR	.003-.005	.006-.008	.008-.011	.010-.014	.011-.016	.013-.017	.014-.02	.016-.021
SFM	Thru-Coolant	390	520	650	IPR	.003-.005	.006-.008	.008-.011	.010-.014	.011-.016	.013-.017	.014-.02	.016-.021

	Low and Medium Strength CGI and Ductile Irons	Tensile Strength RM (MPa): 400-600	Hardness (HB) or HRC:130-260
--	--	---	-------------------------------------

Cutting Speed		Min. Start Max			Feed Rate by Diameter								
					IPR								
SFM	Solid	230	300	400	IPR	.003-.004	.005-.007	.007-.01	.009-.012	.010-.014	.012-.016	.013-.018	.015-.028
SFM	Thru-Coolant	260	395	525	IPR	.003-.004	.005-.007	.007-.01	.009-.012	.010-.014	.012-.016	.013-.018	.015-.028

	 Austempered Ductile Iron	Tensile Strength RM (MPa): 600-850	Hardness (HB) or HRC: 180-350
--	----------------------------------	---	--------------------------------------

Cutting Speed		Min. Start Max			Feed Rate by Diameter								
					IPR								
SFM	Solid	200	290	375	IPR	.003-.004	.004-.006	.006-.018	.007-.010	.009-.012	.009-.013	.011-.015	.012-.016
SFM	Thru-Coolant	200	265	400	IPR	.003-.004	.004-.006	.006-.018	.007-.010	.009-.012	.009-.013	.011-.015	.012-.016

3-Flute	Cast and Low-Strength Ductile Irons	Tensile Strength RM (MPa): 150-400	Hardness (HB) or HRC: 12-290
----------------	--	---	-------------------------------------

Cutting Speed		Min. Start Max			Feed Rate by Diameter								
					IPR								
SFM	Solid	225	355	485	IPR	.005-.008	.006-.009	.007-.012	.008-.015	.010-.018	.011-.020	.013-.024	.014-.028
SFM	Thru-Coolant	425	785	945	IPR	.005-.008	.006-.009	.007-.012	.008-.015	.010-.018	.011-.020	.013-.024	.014-.028

	Low and Medium Strength CGI and Ductile Irons	Tensile Strength RM (MPa): 400-600	Hardness (HB) or HRC:130-260
--	--	---	-------------------------------------

Cutting Speed		Min. Start Max			Feed Rate by Diameter								
					IPR								
SFM	Solid	250	310	400	IPR	.006 - .009	.007-.011	.009-.013	.010-.015	.011-.017	.013-.020	0.014	.015-.020
SFM	Thru-Coolant	600	720	875	IPR	.006 - .009	.007-.011	.009-.013	.010-.015	.011-.017	.013-.020	0.014	.015-.020

	 Austempered Ductile Iron	Tensile Strength RM (MPa): 600-850	Hardness (HB) or HRC: 180-350
--	----------------------------------	---	--------------------------------------

Cutting Speed		Min. Start Max			Feed Rate by Diameter								
					IPR								
SFM	Solid	200	290	420	IPR	.003-.004	.004-.006	.006-.018	.007-.010	.009-.012	.009-.013	.011-.015	.012-.016
SFM	Thru-Coolant	425	500	600	IPR	.003-.004	.004-.006	.006-.018	.007-.010	.009-.012	.009-.013	.011-.015	.012-.016

Material Group	Cutting Speed - vc Range - m/min			Metric									
	min	Starting Value	max	Recommended Feed Rate (f) by Diameter									
				3.0	4.0	6.0	8.0	10.0	12.0	16.0	20.0		
K	1	60	85	110	mm/r	0.11-0.20	0.12-0.20	0.16-0.28	0.20-0.35	0.22-0.42	0.24-0.50	0.28-0.61	0.30-0.68
	2	70	72	90	mm/r	0.11-0.20	0.12-0.20	0.16-0.28	0.20-0.35	0.22-0.42	0.24-0.50	0.28-0.61	0.30-0.68
	3	50	51	70	mm/r	0.09-0.18	0.10-0.18	0.14-0.26	0.18-0.33	0.20-0.40	0.22-0.48	0.26-0.59	0.28-0.66

Material Group	Cutting Speed - vc Range - SFM			Inch									
	min	Starting Value	max	Recommended Feed Rate (f) by Diameter									
				1/8 .125	3/16 .188	1/4 .250	5/16 .313	3/8 .375	1/2 .500	5/8 .625	3/4 .750		
K	1	60	85	110	IPR	.004-.008	.005-.008	.006-.011	.008-.014	.009-.017	.009-.020	.011-.024	.012-.027
	2	70	72	90	IPR	.004-.008	.005-.008	.006-.011	.008-.014	.009-.017	.009-.020	.011-.024	.012-.027
	3	50	51	70	IPR	.003-.007	.004-.007	.005-.010	.007-.013	.008-.016	.008-.019	.010-.023	.011-.026

Material Group	Cutting Speed - vc Range - m/min			Metric									
	min	Starting Value	max	Recommended Feed Rate (f) by Diameter									
				3.0	4.0	6.0	8.0	10.0	12.0	16.0	20.0		
K	1	80	140	161	mm/r	0.13-0.20	0.14-0.24	0.17-0.31	0.20-0.39	0.25-0.45	0.29-0.51	0.33-0.62	0.36-0.70
	2	80	120	120	mm/r	0.13-0.20	0.15-0.23	0.19-0.28	0.23-0.34	0.26-0.38	0.29-0.43	0.34-0.50	0.36-0.54
	3	60	84	130	mm/r	0.09-0.18	0.10-0.18	0.14-0.26	0.18-0.33	0.20-0.40	0.22-0.48	0.26-0.59	0.28-0.66

Material Group	Cutting Speed - vc Range - SFM			Inch									
	min	Starting Value	max	Recommended Feed Rate (f) by Diameter									
				1/8 .125	3/16 .188	1/4 .250	5/16 .313	3/8 .375	1/2 .500	5/8 .625	3/4 .750		
K	1	260	460	520	IPR	.005-.008	.006-.009	.007-.012	.008-.015	.010-.018	.011-.020	.013-.024	.014-.028
	2	260	390	390	IPR	.005-.008	.006-.009	.007-.011	.009-.013	.010-.015	.011-.017	.013-.020	.014-.021
	3	200	280	430	IPR	.003-.007	.004-.007	.005-.010	.007-.013	.008-.016	.008-.019	.010-.023	.011-.026

Material Group	Cutting Speed - vc Range - m/min			Metric									
	min	Starting Value	max	Recommended Feed Rate (f) by Diameter									
				3.0	4.0	6.0	8.0	10.0	12.0	16.0	20.0		
K	1	60	110	150	mm/r	0.10-0.20	0.13-0.24	0.16-0.31	0.20-0.39	0.24-0.44	0.27-0.51	0.33-0.62	0.36-0.70
	2	60	94	100	mm/r	0.13-0.20	0.16-0.23	0.20-0.28	0.23-0.34	0.26-0.38	0.29-0.43	0.34-0.50	0.36-0.54
	3	50	84	110	mm/r	0.10-0.19	0.13-0.20	0.16-0.31	0.20-0.37	0.23-0.44	0.26-0.48	0.31-0.58	0.33-0.64

Material Group	Cutting Speed - vc Range - SFM			Inch									
	min	Starting Value	max	Recommended Feed Rate (f) by Diameter									
				1/8 .125	3/16 .188	1/4 .250	5/16 .313	3/8 .375	1/2 .500	5/8 .625	3/4 .750		
K	1	200	360	490	IPR	.003-.006	.003-.007	.004-.009	.006-.012	.008-.016	.012-.019	.015-.023	.020-.028
	2	200	310	330	IPR	.003-.006	.003-.007	.004-.009	.006-.012	.008-.016	.012-.019	.015-.023	.020-.028
	3	160	280	360	IPR	.003-.006	.003-.007	.004-.009	.006-.012	.008-.016	.012-.019	.015-.023	.020-.028