

# JOBBER LENGTH DT20 DRILLS

For general purpose drilling applications

## 2 Helical Flutes

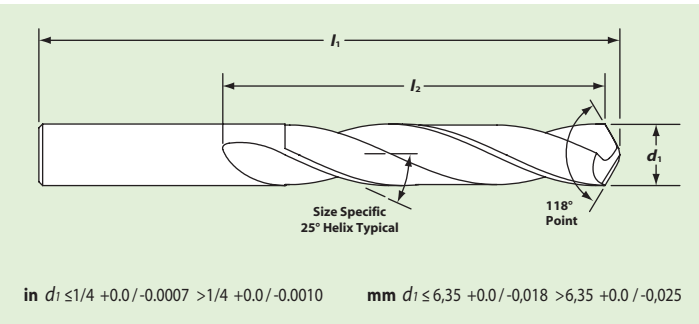
For use in non-ferrous materials

### DT20

Carbide tipped



Jobber length twist drills are designed for production drilling of cast iron, non-ferrous metals, composites, plastics and non-metals. Carbide tips are high-temperature brazed to hardened HSS bodies.



- Cam relieved point with high strength edge
- Carbide tipped design for economical drilling

	Carbon & tool steels $\leq 48$ HRC	✓
	Stainless steels	✓
	Cast irons	✓
	Aluminum and non-ferrous	✓✓

✓ Good    ✓✓ Very Good

Inch • Metric

	$d_1$ Cutter Dia Inch    Metric	Dec Equiv	$l_2$ Flute Length	$l_1$ Overall Length	EDP Number	List Price
#32		.1160	1-5/8	2-3/4	40898	11.45
	3	.1181	41	70	41901	13.34
#31		.1200	1-5/8	2-3/4	40897	11.18
<b>1/8</b>		.1250	1-5/8	2-3/4	40801	12.08
#30		.1285	1-5/8	2-3/4	40896	12.08
#29		.1360	2	3-1/8	40895	12.92
	3,5	.1378	44	73	41906	13.44
#28		.1405	2	3-1/8	40894	13.18
<b>9/64</b>		.1406	2	3-1/8	40802	13.02
#27		.1440	2	3-1/8	40893	13.18
#26		.1470	2	3-1/8	40892	12.86
#25		.1495	2	3-1/8	40891	12.86
#24		.1520	2	3-1/8	40890	13.18
#23		.1540	2	3-1/8	40889	12.86
<b>5/32</b>		.1562	2	3-1/8	40803	12.81
#22		.1570	2	3-1/8	40888	14.23
	4	.1575	54	83	41911	13.02
#21		.1590	2	3-1/8	40887	13.65
#20		.1610	2-5/16	3-1/2	40886	13.86
#19		.1660	2-5/16	3-1/2	40885	13.86
#18		.1695	2-5/16	3-1/2	40884	13.86
<b>11/64</b>		.1719	2-5/16	3-1/2	40804	13.86
#17		.1730	2-5/16	3-1/2	40883	13.86
#16		.1770	2-5/16	3-1/2	40882	13.65
	4,5	.1772	56	86	41916	13.86
#15		.1800	2-5/16	3-1/2	40881	14.23
#14		.1820	2-5/16	3-1/2	40880	13.65
#13		.1850	2-5/16	3-1/2	40879	13.65
<b>3/16</b>		.1875	2-5/16	3-1/2	40805	13.65
#12		.1890	2-5/16	3-1/2	40878	14.23
#11		.1910	2-5/16	3-1/2	40877	14.44
#10		.1935	2-1/2	3-3/4	40876	14.23
#9		.1960	2-1/2	3-3/4	40875	14.44
	5	.1969	62	92	41919	14.44
#8		.1990	2-1/2	3-3/4	40874	14.44
#7		.2010	2-1/2	3-3/4	40873	14.44
<b>13/64</b>		.2031	2-1/2	3-3/4	40806	14.91
#6		.2040	2-1/2	3-3/4	40872	14.75
#5		.2055	2-1/2	3-3/4	40871	14.39
#4		.2090	2-1/2	3-3/4	40870	14.75
#3		.2130	2-1/2	3-3/4	40869	14.39
	5,5	.2165	64	95	41924	14.70
<b>7/32</b>		.2188	2-1/2	3-3/4	40807	14.81
#2		.2210	2-1/2	3-3/4	40868	15.54
#1		.2280	2-3/4	4	40867	15.23
A		.2340	2-3/4	4	40841	16.85
<b>15/64</b>		.2344	2-3/4	4	40808	16.07
	6	.2362	70	102	41929	16.38
B		.2380	2-3/4	4	40842	16.85
C		.2420	2-3/4	4	40843	16.85
D		.2460	2-3/4	4	40844	16.54
<b>1/4</b>		.2500	2-3/4	4	40809	16.07

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# STUB LENGTH DT21 DRILLS

For general purpose drilling applications

Inch • Metric • Continued

	$d_1$ Cutter Dia Inch Metric	Dec Equiv	$l_2$ Flute Length	$l_1$ Overall Length	EDP Number	List Price
	6,5	.2559	73	105	41934	16.38
F		.2570	2-15/16	4-1/4	40846	18.95
G		.2610	2-15/16	4-1/4	40847	19.37
<b>17/64</b>		.2656	2-15/16	4-1/4	40810	18.90
H		.2660	2-15/16	4-1/4	40848	19.79
I		.2720	2-15/16	4-1/4	40849	19.37
	7	.2756	73	105	41939	19.27
J		.2770	2-15/16	4-1/4	40850	19.79
K		.2810	2-15/16	4-1/4	40851	20.53
<b>9/32</b>		.2812	2-15/16	4-1/4	40811	18.90
L		.2900	3-3/16	4-1/2	40852	19.79
M		.2950	3-3/16	4-1/2	40853	22.63
	7,5	.2953	78	111	41944	20.84
<b>19/64</b>		.2969	3-3/16	4-1/2	40812	20.84
N		.3020	3-3/16	4-1/2	40854	21.37
<b>5/16</b>		.3125	3-3/16	4-1/2	40813	20.42
	8	.3150	81	114	41949	20.84
O		.3160	3-3/16	4-1/2	40855	20.95
P		.3230	3-7/16	4-3/4	40856	22.31
<b>21/64</b>		.3281	3-7/16	4-3/4	40814	21.74
Q		.3320	3-7/16	4-3/4	40857	22.79
	8,5	.3346	87	121	41954	22.21
R		.3390	3-7/16	4-3/4	40858	22.31
<b>11/32</b>		.3438	3-7/16	4-3/4	40815	21.74
S		.3480	3-5/8	5	40859	24.10

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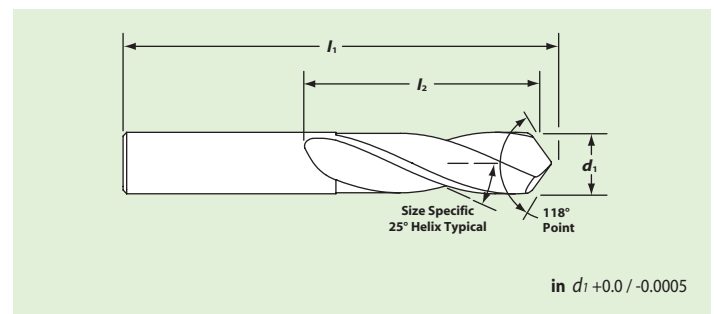
Inch • Metric • Continued

	$d_1$ Cutter Dia Inch Metric	Dec Equiv	$l_2$ Flute Length	$l_1$ Overall Length	EDP Number	List Price
	9	.3543	89	124	41959	23.57
T		.3580	3-5/8	5	40860	24.68
<b>23/64</b>		.3594	3-5/8	5	40816	23.15
U		.3680	3-5/8	5	40861	23.63
	9,5	.3740	92	127	41964	23.57
<b>3/8</b>		.3750	3-5/8	5	40817	23.15
V		.3770	3-5/8	5	40862	24.10
W		.3860	3-7/8	5-1/4	40863	26.36
<b>25/64</b>		.3906	3-7/8	5-1/4	40818	25.15
	10	.3937	95	130	41969	25.73
X		.3970	3-7/8	5-1/4	40864	25.36
Y		.4040	3-7/8	5-1/4	40865	26.36
<b>13/32</b>		.4062	3-7/8	5-1/4	40819	25.15
Z		.4130	4-1/16	5-1/2	40866	29.14
	10,5	.4134	98	133	41974	27.77
<b>27/64</b>		.4219	4-1/16	5-1/2	40820	27.25
	11	.4331	103	140	41979	27.77
<b>7/16</b>		.4375	4-1/16	5-1/2	40821	27.25
	11,5	.4528	106	143	41984	31.29
<b>29/64</b>		.4531	4-5/16	5-3/4	40822	31.24
<b>15/32</b>		.4688	4-5/16	5-3/4	40823	30.66
	12	.4724	111	149	41989	35.02
<b>31/64</b>		.4844	4-1/2	6	40824	34.34
	12,5	.4921	114	152	41994	35.02
<b>1/2</b>		.5000	4-1/2	6	40825	34.34

## 2 Helical Flutes



- Cam relieved point with high strength edge
- Stub length for extra rigidity



## DT21

Carbide tipped

	Carbon & tool steels ≤ 48 HRC	✓
	Stainless steels	✓
	Cast irons	✓
	Aluminum and non-ferrous	✓✓

✓ Good ✓✓ Very Good

Inch

$d_1$ Cutter Dia	Dec Equiv	$l_2$ Flute Length	$l_1$ Overall Length	EDP Number	List Price
1/8	.1250	7/8	1-7/8	41060	13.81
9/64	.1406	1	2-1/16	41061	16.70
5/32	.1562	1	2-1/16	41062	14.70
11/64	.1719	1-1/8	2-3/16	41063	19.85
3/16	.1875	1-1/8	2-3/16	41064	15.38
13/64	.2031	1-1/4	2-3/8	41065	19.85
7/32	.2188	1-1/4	2-3/8	41066	16.49
15/64	.2344	1-3/8	2-1/2	41067	18.48
1/4	.2500	1-3/8	2-1/2	41068	16.49
17/64	.2656	1-1/2	2-11/16	41069	20.53
9/32	.2812	1-1/2	2-11/16	41070	18.95
19/64	.2969	1-5/8	2-13/16	41071	23.42

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Inch • Continued

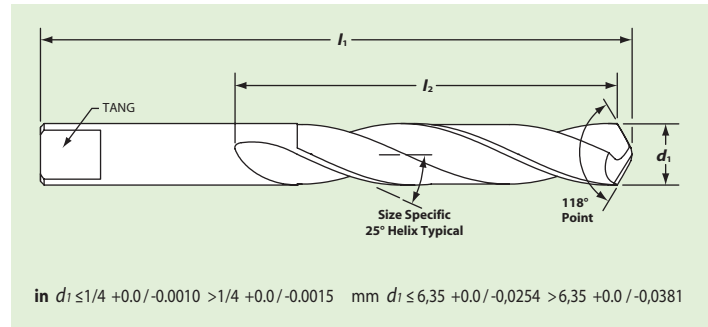
$d_1$ Cutter Dia	Dec Equiv	$l_2$ Flute Length	$l_1$ Overall Length	EDP Number	List Price
5/16	.3125	1-5/8	2-13/16	41072	20.27
21/64	.3281	1-11/16	3	41073	24.94
11/32	.3438	1-11/16	3	41074	23.42
23/64	.3594	1-13/16	3-1/8	41075	25.62
3/8	.3750	1-13/16	3-1/8	41076	24.05
25/64	.3906	1-15/16	3-5/16	41077	28.46
13/32	.4062	1-15/16	3-5/16	41078	28.09
27/64	.4219	2-1/16	3-7/16	41079	32.39
7/16	.4375	2-1/16	3-7/16	41080	31.24
15/32	.4688	2-1/8	3-5/8	41082	43.21
1/2	.5000	2-1/4	3-3/4	41084	39.90

# TAPER LENGTH DT22 DRILLS

For general purpose drilling applications

## 2 Helical Flutes

For use in non-ferrous materials



- Cam relieved point with high strength edge
- Longer flute length than a jobber length drill
- Supplied with tanged shank

*Taper length twist drills are designed for production drilling of cast iron, non-ferrous metals, composites, plastics and non-metals. Carbide tips are high-temperature brazed to hardened HSS bodies.*

## DT22

Carbide tipped

	Carbon & tool steels ≤ 48 HRC	✓
	Cast irons	✓
	Aluminum and non-ferrous	✓✓

✓ Good ✓✓ Very Good

### Inch • Metric

Cutter Dia	d <sub>1</sub>		Flute Length	l <sub>2</sub>	Overall Length	l <sub>1</sub>	EDP Number	List Price
	Inch	Metric						
1/8		.1250	2-3/4	5-1/8	40910	16.01		
9/64		.1406	3	5-3/8	40911	16.85		
5/32		.1562	3	5-3/8	40912	16.85		
11/64		.1719	3-3/8	5-3/4	40913	17.43		
3/16		.1875	3-3/8	5-3/4	40914	17.43		
	5	.1969	92	152	41240	18.74		
13/64		.2031	3-5/8	6	40915	18.38		
	5,5	.2165	92	152	41242	19.53		
7/32		.2188	3-5/8	6	40916	18.38		
15/64		.2344	3-3/4	6-1/8	40917	20.84		
	6	.2362	95	156	41244	21.21		
1/4		.2500	3-3/4	6-1/8	40918	20.84		
	6,5	.2559	98	159	41246	23.78		
17/64		.2656	3-7/8	6-1/4	40919	23.31		
	7	.2756	98	159	41248	23.78		
9/32		.2812	3-7/8	6-1/4	40920	23.31		
	7,5	.2953	102	162	41250	25.73		
19/64		.2969	4	6-3/8	40921	25.15		
5/16		.3125	4	6-3/8	40922	25.15		
	8	.3150	105	165	41252	25.73		
21/64		.3281	4-1/8	6-1/2	40923	28.61		
	8,5	.3346	105	165	41254	29.14		
11/32		.3438	4-1/8	6-1/2	40924	28.98		
	9	.3543	108	171	41256	31.97		
23/64		.3594	4-1/4	6-3/4	40925	31.29		
	9,5	.3740	108	181	41258	31.97		
3/8		.3750	4-1/4	6-3/4	40926	31.29		
25/64		.3906	4-3/8	7	40927	33.60		
	10	.3937	111	178	41260	34.28		
13/32		.4062	4-3/8	7	40928	33.60		
	10,5	.4134	117	184	41262	37.38		
27/64		.4219	4-5/8	7-1/4	40929	38.64		
	11	.4331	117	184	41264	39.38		
7/16		.4375	4-5/8	7-1/4	40930	38.64		
	11,5	.4528	121	190	41266	43.47		
29/64		.4531	4-3/4	7-1/2	40931	42.68		
15/32		.4688	4-3/4	7-1/2	40932	42.68		

### Inch • Metric

Cutter Dia	d <sub>1</sub>		Flute Length	l <sub>2</sub>	Overall Length	l <sub>1</sub>	EDP Number	List Price
	Inch	Metric						
	12	.4724	121	197	41268	45.62		
31/64		.4844	4-3/4	7-3/4	40933	44.73		
	12,5	.4921	121	197	41270	45.62		
1/2		.5000	4-3/4	7-3/4	40934	44.73		
	13	.5118	121	203	41272	48.14		
33/64		.5156	4-3/4	8	40935	47.20		
17/32		.5312	4-3/4	8	40936	47.20		
	13,5	.5315	121	203	41274	48.14		
35/64		.5469	4-7/8	8-1/4	40937	49.61		
	14	.5512	124	210	41276	53.39		
9/16		.5625	4-7/8	8-1/4	40938	49.61		
	14,5	.5709	124	222	41278	57.17		
37/64		.5781	4-7/8	8-3/4	40939	52.45		
	15	.5906	124	222	41280	57.17		
19/32		.5937	4-7/8	8-3/4	40940	52.45		
39/64		.6094	4-7/8	8-3/4	40941	60.38		
	15,5	.6102	124	222	41282	64.84		
5/8		.6250	4-7/8	8-3/4	40942	60.38		
	16	.6299	130	229	41284	65.26		
41/64		.6406	5-1/8	9	40943	61.48		
	16,5	.6496	130	229	41286	65.26		
21/32		.6562	5-1/8	9	40944	61.48		
	17	.6693	137	235	41288	67.25		
43/64		.6719	5-3/8	9-1/4	40945	62.11		
11/16		.6875	5-3/8	9-1/4	40946	62.11		
	17,5	.6890	143	241	41290	67.25		
45/64		.7031	5-5/8	9-1/2	40947	63.26		
	18	.7087	143	241	41292	68.67		
23/32		.7187	5-5/8	9-1/2	40948	63.89		
	18,5	.7283	149	248	41294	70.04		
47/64		.7344	5-7/8	9-3/4	40949	64.26		
	19	.7480	149	248	41296	70.04		
3/4		.7500	5-7/8	9-3/4	40950	65.21		
13/16		.8125	6-1/8	10	40954	74.66		
7/8		.8750	6-1/8	10	40958	78.96		
15/16		.9375	6-1/8	10-3/4	40962	82.90		
1		1.0000	6-3/8	11	40966	89.57		