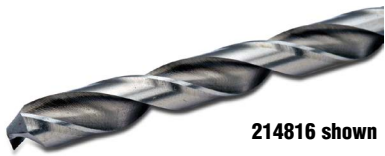




Tools – Jobber Length Drill Bits



214816 shown

Jobber Length Drills

These high performance twist drills are suitable for all normal drilling in conventional materials. Drill bits are available in High Speed Steel (HSS), High Speed Steel with 5% Cobalt alloy (HSS-Co5) and Titanium Nitride-coated High Speed Steel (HSS-TiN).

- Point Cut: 1/8" dia. with split point DIN 1412 C
- Point angle: 118° HSS & HSS-TiN / 135° HSS-Co5
- Helix angle: 20° to 30°
- Right hand cutting

Features

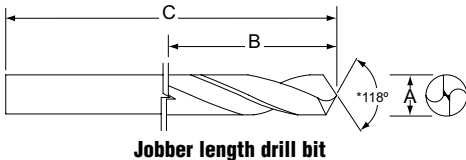
The HSS ground twist drill is made of heavy-duty high-speed steel. The fully ground twist drill has a more precise concentricity. HSS-Co5 drills are ideally suited for materials that are especially difficult to drill such as stainless steel and for higher chip loading. HSS-TiN models add a titanium nitride coating to increase the surface hardness to approximately 2300 HV and the heat resistance to 1100°F (600°C). This also provides longer tool life with increased cutting speeds.

Application

Use HSS, HSS-Co5 and HSS-TiN coated drills for:

- Steel and stainless steel
- Alloyed and unalloyed cast iron (up to strength of 13,000 psi)
- Grey, malleable, ductile and die-cast iron
- Sintered iron, nickel silver, graphite
- Short chipping aluminum alloys
- Brass and bronze

Jobber Length Drill Bits - Fractional Sizes														
Fractional	Part #	Pcs	Price	Part #	Pcs	Price	Part #	Pcs	Price	Drill Size	Ø Size	Flute Length	Overall Length	For
	High Speed Steel	/Pkg		Titanium Coated	/Pkg		Cobalt 5	/Pkg		(Gauge) (in.)	(in.) (A)	(B) (in.)	(C) (in.)	Tapping Use With
	214801	10	\$4.75	250801T	10	\$11.00	215801	10	\$11.00	1/16	0.0625	7/8	1-7/8	
	214802	10	\$4.75	250802T	10	\$11.00	215802	10	\$11.00	5/64	0.0781	1	2	
	214803	10	\$5.25	250803T	10	\$11.00	215803	10	\$11.00	3/32	0.0938	1 1/4	2-1/4	
	214804	10	\$5.75	250804T	10	\$14.50	215804	10	\$11.50	7/64	0.1094	1 1/2	2-5/8	
	214805	10	\$6.00	250805T	10	\$17.00	215805	10	\$11.50	1/8	0.1250	1-5/8	2-3/4	
	214806	10	\$6.75	250806T	10	\$17.00	215806	10	\$12.00	9/64	0.1406	1-3/4	2-7/8	
	214807	10	\$6.75	250807T	10	\$18.50	215807	10	\$12.50	5/32	0.1562	2	3-1/8	
	214808	10	\$7.00	250808T	10	\$23.00	215808	10	\$13.50	11/64	0.1719	2-1/8	3-1/4	
	214809	10	\$7.50	250809T	10	\$23.50	215809	10	\$16.00	3/16	0.1875	2-5/16	3-1/2	
	214810	10	\$8.00	250810T	10	\$26.50	215810	10	\$18.50	13/64	0.2031	2-7/16	3-5/8	
	214811	10	\$9.00	250811T	10	\$26.50	215811	10	\$21.00	7/32	0.2188	2-1/2	3-3/4	
	214812	10	\$10.00	250812T	10	\$26.50	215812	10	\$22.50	15/64	0.2344	2-5/8	3-7/8	
	214813	10	\$10.50	250813T	10	\$33.50	215813	10	\$24.00	1/4	0.2500	2-3/4	4	
	214814	10	\$12.00	250814T	10	\$35.00	215814	10	\$27.00	17/64	0.2656	2-7/8	4-1/8	
	214815	10	\$13.00	250815T	10	\$40.50	215815	10	\$29.00	9/32	0.2813	2-15/16	4-1/4	
	214816	10	\$14.00	250816T	10	\$40.50	215816	10	\$33.00	19/64	0.2969	3-1/16	4-3/8	
	214817	10	\$16.00	250817T	10	\$45.00	215817	10	\$37.50	5/16	0.3125	3-3/16	4-1/2	265038UNC
	214818	10	\$18.00	250818T	10	\$54.00	215818	10	\$38.00	21/64	0.3281	3-5/16	4-5/8	
	214819	10	\$20.00	250819T	10	\$55.00	215819	10	\$45.50	11/32	0.3438	3-7/16	4-3/4	
	214820	10	\$21.50	250820T	10	\$62.00	215820	10	\$53.00	23/64	0.3594	3-1/2	4-7/8	
	214821	10	\$23.00	250821T	10	\$62.00	215821	10	\$54.00	3/8	0.3750	3-5/8	5	
	214822	10	\$26.00	250822T	10	\$66.00	215822	10	\$62.00	25/64	0.3906	3-3/4	5-1/8	
	214823	10	\$26.50	250823T	10	\$72.00	215823	10	\$65.00	13/32	0.4062	3-7/8	5-1/4	
	214824	5	\$14.50	250824T	5	\$38.50	215824	5	\$36.00	27/64	0.4219	3-15/16	5-3/8	
	214825	5	\$16.50	250825T	5	\$40.00	215825	5	\$36.50	7/16	0.4375	4-1/16	5-1/2	
	214826	5	\$18.00	250826T	5	\$42.00	215826	5	\$43.50	29/64	0.4531	4-3/16	5-5/8	
	214827	5	\$19.00	250827T	5	\$44.50	215827	5	\$45.50	15/32	0.4688	4-5/16	5-3/4	
	214828	5	\$19.50	250828T	5	\$45.50	215828	5	\$46.00	31/64	0.4844	4-3/8	5-7/8	
	214829	5	\$20.50	250829T	5	\$48.50	215829	5	\$47.00	1/2	0.5000	4-1/2	6	



*Point angle for HSS-Co5 bits is 135°



Tools – Jobber Length Drill Bits



214816 shown

Jobber Length Drill Bits - Number and Letter Sizes								
Number	Part # High Speed Steel	Pcs/ Pkg	Price	Drill Size (Gauge)	Ø Size A (in. dec.)	Flute Length B (in.)	Overall Length C (in.)	For Tapping Use With
	2149003	10	\$9.00	3	0.2130	2-1/4	3-3/4	265014UNF
	2149007	10	\$8.00	7	0.2010	2	3-3/8	265014UNC
	2149014	10	\$8.00	14	0.1820	1-11/16	3-1/8	265120UNF
	2149016	10	\$7.50	16	0.1770	1-7/8	3-1/8	265120UNC
	2149021	10	\$7.00	21	0.1590	1-5/8	2-15/16	265100UNF
	2149025	10	\$7.00	25	0.1495	1-5/8	2-15/16	265100UNC
	2149029	10	\$6.75	29	0.1360	1-9/16	2-7/8	265080UNC, 265080UNF
	2149033	10	\$6.25	33	0.1130	1-5/16	2-3/8	265060UNF
	2149036	10	\$6.25	36	0.1065	1-1/4	2-3/8	265060UNC
	2149037	10	\$6.25	37	0.1040	1-1/4	2-1/4	265050UNF
	2149038	10	\$5.75	38	0.1015	1-1/4	2-1/4	265050UNC
	2149042	10	\$5.50	42	0.0935	1-1/4	2-1/4	265040UNF
	2149043	10	\$5.25	43	0.0890	1-1/16	2-1/16	265040UNC
Letter	214900F	10	\$12.00	F	0.2570	2-3/8	4	265516UNC
	214900I	10	\$13.00	I	0.2720	2-3/4	4-1/4	265516UNF
	214900Q	10	\$20.00	Q	0.3320	3	4-5/8	265038UNF
	214900R	10	\$26.00	R	0.3390	3-7/16	4-3/4	231018NPT

Jobber Length Drill Bits - Metric Sizes									
Metric	Part # High Speed Steel	Pcs/Pkg	Price	Part # Cobalt 5	Pcs/Pkg	Price	Drill Size A (mm)	Flute Length B (mm)	Overall Length C (mm)
	214010	10	\$6.50	215010	10	\$12.00	1.0	12.0	34.0
	214015	10	\$6.50	215015	10	\$12.00	1.5	18.0	40.0
	214020	10	\$6.50	215020	10	\$12.50	2.0	24.0	49.0
	214025	10	\$7.75	215025	10	\$13.00	2.5	30.0	57.0
	214030	10	\$8.00	215030	10	\$13.50	3.0	33.0	61.0
	214033	10	\$8.50	215033	10	\$14.00	3.3	36.0	65.0
	214035	10	\$8.75	215035	10	\$15.00	3.5	39.0	70.0
	214040	10	\$8.75	215040	10	\$16.00	4.0	43.0	75.0
	214042	10	\$9.25	215042	10	\$18.00	4.2	43.0	75.0
	214045	10	\$9.75	215045	10	\$20.00	4.5	47.0	80.0
	214050	10	\$10.50	215050	10	\$23.50	5.0	52.0	86.0
	214055	10	\$12.00	215055	10	\$26.00	5.5	57.0	93.0
	214060	10	\$12.50	215060	10	\$28.00	6.0	57.0	93.0
	214065	10	\$16.50	215065	10	\$35.00	6.5	63.0	101.0
	214068	10	\$17.00	215068	10	\$36.00	6.8	69.0	109.0
214070	10	\$17.50	215070	10	\$36.50	7.0	69.0	109.0	



Tools – Jobber Length Drill Bits

Jobber Length Drill Bits - Metric Sizes Continued									
Metric	Part # High Speed Steel	Pcs/Pkg	Price	Part # Cobalt 5	Pcs/Pkg	Price	Drill Size A (mm)	Flute Length B (mm)	Overall Length C (mm)
	214075	10	\$19.50	215075	10	\$41.50	7.5	69.0	109.0
	214080	10	\$23.50	215080	10	\$47.50	8.0	75.0	117.0
	214085	10	\$25.50	215085	10	\$57.00	8.5	75.0	117.0
	214090	10	\$28.00	215090	10	\$68.00	9.0	81.0	125.0
	214095	10	\$29.50	215095	10	\$70.00	9.5	81.0	125.0
	214100	10	\$35.50	215100	10	\$71.00	10.0	87.0	133.0
	214102	10	\$37.00	215102	10	\$77.00	10.2	87.0	133.0
	214105	5	\$19.50	215105	5	\$45.00	10.5	87.0	133.0
	214110	5	\$21.50	215110	5	\$46.50	11.0	94.0	142.0
	214115	5	\$23.50	215115	5	\$55.00	11.5	94.0	142.0
	214120	5	\$25.00	215120	5	\$56.00	12.0	101.0	151.0
	214125	5	\$26.50	215125	5	\$55.00	12.5	101.0	151.0
	214130	5	\$32.50	215130	5	\$64.00	13.0	101.0	151.0



Tools – Drill Bit Sets



Jobber length drill set
214214RO shown

Drill Bit Sets		
Part #	Price	Description
101026USRO	\$67.00	Three-piece Step Drill Bit Set High Speed Steel, bright finish, spiral fluted with split point. Drill size 1: 6 steps from 3/16" to 1/2" with 1/16" increments. Shank size 1/4" Drill size 2: 13 steps from 1/8 to 1/2" with 1/32" increments. Shank size 1/4" Drill size 3: 9 steps from 1/4" to 3/4" with 1/16" increments. Shank size 3/8"
101026USERO	\$100.00	Three-piece Step Drill Bit Set HSS-Co5 spiral fluted with split point. Drill size 1: 6 steps from 3/16" to 1/2" with 1/16" increments. Shank size 1/4" Drill size 2: 13 steps from 1/8 to 1/2" with 1/32" increments. Shank size 1/4" Drill size 3: 9 steps from 1/4" to 3/4" with 1/16" increments. Shank size 3/8"
101026USTRO	\$105.00	Three-piece Step Drill Bit Set HSS-TiN coated spiral fluted with split point. Drill size 1: 6 steps from 3/16" to 1/2" with 1/16" increments. Shank size 1/4" Drill size 2: 13 steps from 1/8 to 1/2" with 1/32" increments. Shank size 1/4" Drill size 3: 9 steps from 1/4" to 3/4" with 1/16" increments. Shank size 3/8"
214214RO	\$50.00	19-piece jobber Length Drill Set Metric sizes 1.0 to 10.0 mm in increments of 0.5 mm High-speed steel, 118 degrees point
214215RO	\$60.00	25-piece jobber Length Drill Set Metric sizes 1.0 to 13.0 mm in increments of 0.5 mm High-speed steel, 118 degrees point
215214RO	\$99.00	19-piece jobber Length Drill Set Metric sizes 1.0 to 10.0 mm in increments of 0.5 mm High-speed steel Cobalt 5 alloy, 135 degrees point
215215RO	\$118.00	25-piece jobber Length Drill Set Metric sizes 1.0 to 13.0 mm in increments of 0.5 mm High-speed steel Cobalt 5 alloy, 135 degrees point
214850RO	\$34.50	21-piece jobber Length Drill Set Fractional sizes 1/16" to 3/8" in increments of 1/64" High-speed steel, 118 degrees point
214851RO	\$54.00	29-piece jobber Length Drill Set Fractional sizes 1/16" to 1/2" in increments of 1/64" High-speed steel, 118 degrees point.
215850RO	\$62.00	21-piece jobber Length Drill Set Fractional sizes 1/16" to 3/8" in increments of 1/64" High-speed steel Cobalt 5 alloy, 135 degrees point
215851RO	\$90.00	29-piece jobber Length Drill Set Fractional sizes 1/16" to 1/2" in increments of 1/64" High-speed steel Cobalt 5 alloy, 135 degrees point.
250850TRO	\$40.00	21-piece jobber Length Drill Set Fractional sizes 1/16" to 3/8" in increments of 1/64" TiN-coated high-speed steel, 118 degrees point
250851TRO	\$59.00	29-piece jobber Length Drill Set Fractional sizes 1/16" to 1/2" in increments of 1/64" TiN-coated high-speed steel, 118 degrees point