

Jobber Length Drills

Straight Shank - High Speed Steel

118° Point - General Purpose

Designed for drilling a wide variety of materials.

Black Oxide Surface Treatment increases wear resistance, reduces galling and chip welding, improves chip flow and increases drill lubricant retention.

Bright Finish with polished flutes enhances chip ejection especially for aluminum and other non-ferrous materials.

Titanium Nitride (TiN) Coating increases tool surface hardness, wear resistance, heat resistance, chip flow and resists chip welding. Enhanced hole quality at higher speeds and feeds.

STANDARD PACKAGE

Fractional Sizes

1/64" thru 3/8" - 12 each

25/64" thru 1/2" - 6 each

33/64" thru 11/16" - 1 each

Letter Sizes

A thru V - 12 each

W thru Z - 6 each

Wire Gage Sizes

#1 thru #80 - 12 each

Foret court

Broca Uso Multiple



BLACK OXIDE TREATED

List No. 1330

Fractional

List No. 1332

Letter

List No. 1340

Wire Gage



BRIGHT FINISH

List No. 1330B

Fractional

List No. 1332B

Letter

List No. 1340B

Wire Gage



TITANIUM NITRIDE COATED

List No. 1330G

All Sizes

FRAC-TIONAL	SIZE		FLUTE LENGTH	OAL	1330, 1332, 1340		1330B, 1332B, 1340B		1330G EDP NO.
	WIRE GAGE	DEC. EQUIV.			EDP NO.	EDP NO.			
1/64	80	.0135	1/8	3/4	11351	11551	—	—	—
	79	.0145	1/8	3/4	11352	11552	—	—	—
		.0156	3/16	3/4	11353	11553	—	—	—
	78	.0160	3/16	7/8	11354	11554	—	—	—
	77	.0180	3/16	7/8	11355	11555	—	—	—
1/32	76	.0200	3/16	7/8	11356	11556	—	—	—
	75	.0210	1/4	1	11357	11557	—	—	—
	74	.0225	1/4	1	11358	11558	—	—	—
	73	.0240	5/16	1 1/8	11359	11559	—	—	—
	72	.0250	5/16	1 1/8	11360	11560	—	—	—
	71	.0260	3/8	1 1/4	11361	11561	—	—	—
	70	.0280	3/8	1 1/4	11362	11562	—	—	—
69	.0292	1/2	1 3/8	11363	11563	—	—	—	
68	.0310	1/2	1 3/8	11364	11564	—	—	—	
	.0312	1/2	1 3/8	11365	11565	—	—	—	
3/64	67	.0320	1/2	1 3/8	11366	11566	—	—	—
	66	.0330	1/2	1 3/8	11367	11567	—	—	—
	65	.0350	5/8	1 1/2	11368	11568	—	—	—
	64	.0360	5/8	1 1/2	11369	11569	—	—	—
	63	.0370	5/8	1 1/2	11370	11570	—	—	—
	62	.0380	5/8	1 1/2	11371	11571	—	—	—
	61	.0390	1 1/16	1 5/8	11372	11572	—	—	—
1/16	60	.0400	1 1/16	1 5/8	11373	11573	91373	—	91373
	59	.0410	1 1/16	1 5/8	11374	11574	91374	—	91374
	58	.0420	1 1/16	1 5/8	11375	11575	91375	—	91375
	57	.0430	3/4	1 3/4	11376	11576	91376	—	91376
	56	.0465	3/4	1 3/4	11377	11577	91377	—	91377
		.0469	3/4	1 3/4	11378	11578	91378	—	91378
	55	.0520	7/8	1 7/8	11379	11579	91379	—	91379
54	.0550	7/8	1 7/8	11380	11580	91380	—	91380	
1/8	53	.0595	7/8	1 7/8	11381	11581	91381	—	91381
		.0625	7/8	1 7/8	11382	11582	91382	—	91382
	52	.0635	7/8	1 7/8	11383	11583	91383	—	91383
	51	.0670	1	2	11384	11584	91384	—	91384
	50	.0700	1	2	11385	11585	91385	—	91385
49	.0730	1	2	11386	11586	91386	—	91386	

(continued)

Jobber Length Drills (continued)

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Broca Uso Multiple

List Nos. 1330/B, 1332/B, 1340/B and 1330G

FRAC-TIONAL	SIZE		FLUTE LENGTH	OAL	1330, 1332,	1330B, 1332B,	1330G
	WIRE GAGE	DEC. EQUIV.			1340 EDP NO.	1340B EDP NO.	EDP NO.
5/64	48	.0760	1	2	11387	11587	91387
		.0781	1	2	11388	11588	91388
	47	.0785	1	2	11389	11589	91389
	46	.0810	1 1/8	2 1/8	11390	11590	91390
	45	.0820	1 1/8	2 1/8	11391	11591	91391
3/32	44	.0860	1 1/8	2 1/8	11392	11592	91392
	43	.0890	1 1/4	2 1/4	11393	11593	91393
	42	.0935	1 1/4	2 1/4	11394	11594	91394
		.0937	1 1/4	2 1/4	11395	11595	91395
	41	.0960	1 3/8	2 3/8	11396	11596	91396
1/8	40	.0980	1 3/8	2 3/8	11397	11597	91397
	39	.0995	1 3/8	2 3/8	11398	11598	91398
	38	.1015	1 7/16	2 1/2	11399	11599	91399
	37	.1040	1 7/16	2 1/2	11400	11600	91400
	36	.1065	1 7/16	2 1/2	11401	11601	91401
7/64		.1094	1 1/2	2 5/8	11402	11602	91402
	35	.1100	1 1/2	2 5/8	11403	11603	91403
	34	.1110	1 1/2	2 5/8	11404	11604	91404
	33	.1130	1 1/2	2 5/8	11405	11605	91405
	32	.1160	1 5/8	2 3/4	11406	11606	91406
1/8	31	.1200	1 5/8	2 3/4	11407	11607	91407
		.1250	1 5/8	2 3/4	11408	11608	91408
	30	.1285	1 5/8	2 3/4	11409	11609	91409
	29	.1360	1 3/4	2 7/8	11410	11610	91410
9/64	28	.1405	1 3/4	2 7/8	11411	11611	91411
		.1406	1 3/4	2 7/8	11412	11612	91412
	27	.1440	1 7/8	3	11413	11613	91413
	26	.1470	1 7/8	3	11414	11614	91414
	25	.1495	1 7/8	3	11415	11615	91415
5/32	24	.1520	2	3 1/8	11416	11616	91416
	23	.1540	2	3 1/8	11417	11617	91417
		.1562	2	3 1/8	11418	11618	91418
	22	.1570	2	3 1/8	11419	11619	91419
	21	.1590	2 1/8	3 1/4	11420	11620	91420
11/64	20	.1610	2 1/8	3 1/4	11421	11621	91421
	19	.1660	2 1/8	3 1/4	11422	11622	91422
	18	.1695	2 1/8	3 1/4	11423	11623	91423
		.1719	2 1/8	3 1/4	11424	11624	91424
	17	.1730	2 3/16	3 3/8	11425	11625	91425
3/16	16	.1770	2 3/16	3 3/8	11426	11626	91426
		.1800	2 3/16	3 3/8	11427	11627	91427
	14	.1820	2 3/16	3 3/8	11428	11628	91428
	13	.1850	2 5/16	3 1/2	11429	11629	91429
		.1875	2 5/16	3 1/2	11430	11630	91430
13/64	12	.1890	2 5/16	3 1/2	11431	11631	91431
	11	.1910	2 5/16	3 1/2	11432	11632	91432
	10	.1935	2 7/16	3 5/8	11433	11633	91433
	9	.1960	2 7/16	3 5/8	11434	11634	91434
	8	.1990	2 7/16	3 5/8	11435	11635	91435
7/32	7	.2010	2 7/16	3 5/8	11436	11636	91436
		.2031	2 7/16	3 5/8	11437	11637	91437
	6	.2040	2 1/2	3 3/4	11438	11638	91438
	5	.2055	2 1/2	3 3/4	11439	11639	91439
	4	.2090	2 1/2	3 3/4	11440	11640	91440
7/32	3	.2130	2 1/2	3 3/4	11441	11641	91441
		.2187	2 1/2	3 3/4	11442	11642	91442
	2	.2210	2 5/8	3 7/8	11443	11643	91443
	1	.2280	2 5/8	3 7/8	11444	11644	91444

(continued)

Jobber Length Drills (continued)

Foret court

Broca Uso Multiple

List Nos. 1330/B, 1332/B and 1330G

FRAC-TIONAL	SIZE		DEC. EQUIV.	FLUTE LENGTH	OAL	1330, 1332 EDP NO.	1330B, 1332B EDP NO.	1330G EDP NO.
	LETTER							
15/64	A		.2340	2 ⁵ / ₈	3 ⁷ / ₈	11445	11645	91445
			.2344	2 ⁵ / ₈	3 ⁷ / ₈	11446	11646	91446
	B		.2380	2 ³ / ₄	4	11447	11647	91447
	C		.2420	2 ³ / ₄	4	11448	11648	91448
	D		.2460	2 ³ / ₄	4	11449	11649	91449
1/4	E		.2500	2 ³ / ₄	4	11450	11650	91450
	F		.2570	2 ⁷ / ₈	4 ¹ / ₈	11452	11652	91452
	G		.2610	2 ⁷ / ₈	4 ¹ / ₈	11453	11653	91453
17/64			.2656	2 ⁷ / ₈	4 ¹ / ₈	11454	11654	91454
	H		.2660	2 ⁷ / ₈	4 ¹ / ₈	11455	11655	91455
	I		.2720	2 ⁷ / ₈	4 ¹ / ₈	11456	11656	91456
9/32	J		.2770	2 ⁷ / ₈	4 ¹ / ₈	11457	11657	91457
	K		.2810	2 ¹⁵ / ₁₆	4 ¹ / ₄	11458	11658	91458
			.2812	2 ¹⁵ / ₁₆	4 ¹ / ₄	11459	11659	91459
	L		.2900	2 ¹⁵ / ₁₆	4 ¹ / ₄	11460	11660	91460
	M		.2950	3 ¹ / ₁₆	4 ³ / ₈	11461	11661	91461
19/64			.2969	3 ¹ / ₁₆	4 ³ / ₈	11462	11662	91462
	N		.3020	3 ¹ / ₁₆	4 ³ / ₈	11463	11663	91463
			.3125	3 ³ / ₁₆	4 ¹ / ₂	11464	11664	91464
5/16	O		.3160	3 ³ / ₁₆	4 ¹ / ₂	11465	11665	91465
	P		.3230	3 ⁵ / ₁₆	4 ⁵ / ₈	11466	11666	91466
			.3281	3 ⁵ / ₁₆	4 ⁵ / ₈	11467	11667	91467
	Q		.3320	3 ⁷ / ₁₆	4 ³ / ₄	11468	11668	91468
	R		.3390	3 ⁷ / ₁₆	4 ³ / ₄	11469	11669	91469
11/32			.3437	3 ⁷ / ₁₆	4 ³ / ₄	11470	11670	91470
	S		.3480	3 ¹ / ₂	4 ⁷ / ₈	11471	11671	91471
	T		.3580	3 ¹ / ₂	4 ⁷ / ₈	11472	11672	91472
23/64			.3594	3 ¹ / ₂	4 ⁷ / ₈	11473	11673	91473
	U		.3680	3 ⁵ / ₈	5	11474	11674	91474
			.3750	3 ⁵ / ₈	5	11475	11675	91475
3/8	V		.3770	3 ⁵ / ₈	5	11476	11676	91476
	W		.3860	3 ³ / ₄	5 ¹ / ₈	11477	11677	91477
			.3906	3 ³ / ₄	5 ¹ / ₈	11478	11678	91478
	X		.3970	3 ³ / ₄	5 ¹ / ₈	11479	11679	91479
	Y		.4040	3 ⁷ / ₈	5 ¹ / ₄	11480	11680	91480
13/32			.4062	3 ⁷ / ₈	5 ¹ / ₄	11481	11681	91481
	Z		.4130	3 ⁷ / ₈	5 ¹ / ₄	11482	11682	91482
			.4219	3 ¹⁵ / ₁₆	5 ³ / ₈	11483	11683	91483
27/64		.4375	4 ¹ / ₁₆	5 ¹ / ₂	11484	11684	91484	
7/16		.4531	4 ³ / ₁₆	5 ⁵ / ₈	11485	11685	91485	
29/64			.4687	4 ⁵ / ₁₆	5 ³ / ₄	11486	11686	91486
			.4844	4 ³ / ₈	5 ⁷ / ₈	11487	11687	91487
			.5000	4 ¹ / ₂	6	11488	11688	91488
1/2		.5156	4 ¹³ / ₁₆	6 ⁵ / ₈	11489	—	—	
33/64		.5312	4 ¹³ / ₁₆	6 ⁵ / ₈	11490	—	—	
17/32		.5469	4 ¹³ / ₁₆	6 ⁵ / ₈	11491	—	—	
35/64		.5625	4 ¹³ / ₁₆	6 ⁵ / ₈	11492	—	—	
9/16		.5781	4 ¹³ / ₁₆	6 ⁵ / ₈	11493	—	—	
37/64		.5938	5 ³ / ₁₆	7 ¹ / ₈	11494	—	—	
19/32		.6094	5 ³ / ₁₆	7 ¹ / ₈	11495	—	—	
39/64		.6250	5 ³ / ₁₆	7 ¹ / ₈	11496	—	—	
5/8		.6406	5 ³ / ₁₆	7 ¹ / ₈	11497	—	—	
41/64		.6562	5 ³ / ₁₆	7 ¹ / ₈	11498	—	—	
21/32		.6719	5 ⁵ / ₈	7 ⁵ / ₈	11499	—	—	
43/64		.6875	5 ⁵ / ₈	7 ⁵ / ₈	11500	—	—	
11/16								

Aircraft Type A Jobber Length Drills

Straight Shank — High Speed Steel
118° Split Point — Treated (Black Oxide)

118° Self-centering split point eliminates "walking" and reduces thrust. Recommended for drilling a wide range of materials.

Foret court

Broca Uso Multiple



List No. 1396 – NAS 907, Type A

STANDARD PACKAGE **Fractional Sizes**
7/64" thru 3/8" – 12 each
25/64" thru 1/2" – 6 each

Letter Sizes
A thru V – 12 each
W thru Z – 6 each

Wire Gage Sizes
#1 thru #40 – 12 each

SIZE					
FRAC-TIONAL	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
	40	.0980	1 ³ / ₈	2 ³ / ₈	14601
	39	.0995	1 ³ / ₈	2 ³ / ₈	14602
	38	.1015	1 ⁷ / ₁₆	2 ¹ / ₂	14603
	37	.1040	1 ⁷ / ₁₆	2 ¹ / ₂	14604
	36	.1065	1 ⁷ / ₁₆	2 ¹ / ₂	14605
7/64		.1094	1 ¹ / ₂	2 ⁵ / ₈	14606
	35	.1100	1 ¹ / ₂	2 ⁵ / ₈	14607
	34	.1110	1 ¹ / ₂	2 ⁵ / ₈	14608
	33	.1130	1 ¹ / ₂	2 ⁵ / ₈	14609
	32	.1160	1 ⁵ / ₈	2 ³ / ₄	14610
	31	.1200	1 ⁵ / ₈	2 ³ / ₄	14611
1/8		.1250	1 ⁵ / ₈	2 ³ / ₄	14612
	30	.1285	1 ⁵ / ₈	2 ³ / ₄	14613
	29	.1360	1 ³ / ₄	2 ⁷ / ₈	14614
	28	.1405	1 ³ / ₄	2 ⁷ / ₈	14615
9/64		.1406	1 ³ / ₄	2 ⁷ / ₈	14616
	27	.1440	1 ⁷ / ₈	3	14617
	26	.1470	1 ⁷ / ₈	3	14618
	25	.1495	1 ⁷ / ₈	3	14619
	24	.1520	2	3 ¹ / ₈	14620
	23	.1540	2	3 ¹ / ₈	14621
5/32		.1562	2	3 ¹ / ₈	14622
	22	.1570	2	3 ¹ / ₈	14623
	21	.1590	2 ¹ / ₈	3 ¹ / ₄	14624
	20	.1610	2 ¹ / ₈	3 ¹ / ₄	14625
	19	.1660	2 ¹ / ₈	3 ¹ / ₄	14626
	18	.1695	2 ¹ / ₈	3 ¹ / ₄	14627
1 ¹ / ₆₄		.1719	2 ¹ / ₈	3 ¹ / ₄	14628
	17	.1730	2 ³ / ₁₆	3 ³ / ₈	14629
	16	.1770	2 ³ / ₁₆	3 ³ / ₈	14630
	15	.1800	2 ³ / ₁₆	3 ³ / ₈	14631
	14	.1820	2 ³ / ₁₆	3 ³ / ₈	14632
	13	.1850	2 ⁵ / ₁₆	3 ¹ / ₂	14633
3/16		.1875	2 ⁵ / ₁₆	3 ¹ / ₂	14634
	12	.1890	2 ⁵ / ₁₆	3 ¹ / ₂	14635
	11	.1910	2 ⁵ / ₁₆	3 ¹ / ₂	14636
	10	.1935	2 ⁷ / ₁₆	3 ⁵ / ₈	14637
	9	.1960	2 ⁷ / ₁₆	3 ⁵ / ₈	14638
	8	.1990	2 ⁷ / ₁₆	3 ⁵ / ₈	14639
	7	.2010	2 ⁷ / ₁₆	3 ⁵ / ₈	14640
1 ³ / ₆₄		.2031	2 ⁷ / ₁₆	3 ⁵ / ₈	14641
	6	.2040	2 ¹ / ₂	3 ³ / ₄	14642
	5	.2055	2 ¹ / ₂	3 ³ / ₄	14643
	4	.2090	2 ¹ / ₂	3 ³ / ₄	14644
	3	.2130	2 ¹ / ₂	3 ³ / ₄	14645
7/32		.2187	2 ¹ / ₂	3 ³ / ₄	14646

SIZE					
FRAC-TIONAL	WIRE & LETTER	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
	2	.2210	2 ⁵ / ₈	3 ⁷ / ₈	14647
	1	.2280	2 ⁵ / ₈	3 ⁷ / ₈	14648
	A	.2340	2 ⁵ / ₈	3 ⁷ / ₈	14671
1 ⁵ / ₆₄		.2344	2 ⁵ / ₈	3 ⁷ / ₈	14650
	B	.2380	2 ³ / ₄	4	14672
	C	.2420	2 ³ / ₄	4	14674
	D	.2460	2 ³ / ₄	4	14676
1/4		.2500	2 ³ / ₄	4	14678
	E	.2570	2 ⁷ / ₈	4 ¹ / ₈	14679
	F	.2570	2 ⁷ / ₈	4 ¹ / ₈	14681
	G	.2610	2 ⁷ / ₈	4 ¹ / ₈	14681
1 ⁷ / ₆₄		.2656	2 ⁷ / ₈	4 ¹ / ₈	14658
	H	.2660	2 ⁷ / ₈	4 ¹ / ₈	14682
	I	.2720	2 ⁷ / ₈	4 ¹ / ₈	14684
	J	.2770	2 ⁷ / ₈	4 ¹ / ₈	14691
	K	.2810	2 ¹⁵ / ₁₆	4 ¹ / ₄	14692
9/32		.2812	2 ¹⁵ / ₁₆	4 ¹ / ₄	14663
	L	.2900	2 ¹⁵ / ₁₆	4 ¹ / ₄	14693
	M	.2950	3 ¹ / ₁₆	4 ³ / ₈	14694
1 ⁹ / ₆₄		.2969	3 ¹ / ₁₆	4 ³ / ₈	14665
	N	.3020	3 ¹ / ₁₆	4 ³ / ₈	14695
5/16		.3125	3 ³ / ₁₆	4 ¹ / ₂	14667
	O	.3160	3 ³ / ₁₆	4 ¹ / ₂	14696
	P	.3230	3 ⁵ / ₁₆	4 ⁵ / ₈	14697
2 ¹ / ₆₄		.3281	3 ⁵ / ₁₆	4 ⁵ / ₈	14670
	Q	.3320	3 ⁷ / ₁₆	4 ³ / ₄	14698
	R	.3390	3 ⁷ / ₁₆	4 ³ / ₄	14699
1 ¹ / ₃₂		.3437	3 ⁷ / ₁₆	4 ³ / ₄	14673
	S	.3480	3 ¹ / ₂	4 ⁷ / ₈	14700
	T	.3580	3 ¹ / ₂	4 ⁷ / ₈	14701
2 ³ / ₆₄		.3594	3 ¹ / ₂	4 ⁷ / ₈	14675
	U	.3680	3 ⁵ / ₈	5	14702
3/8		.3750	3 ⁵ / ₈	5	14677
	V	.3770	3 ⁵ / ₈	5	14703
	W	.3860	3 ³ / ₄	5 ¹ / ₈	14704
2 ⁵ / ₆₄		.3906	3 ³ / ₄	5 ¹ / ₈	14680
	X	.3970	3 ³ / ₄	5 ¹ / ₈	14705
	Y	.4040	3 ⁷ / ₈	5 ¹ / ₄	14706
1 ³ / ₃₂		.4062	3 ⁷ / ₈	5 ¹ / ₄	14683
	Z	.4130	3 ⁷ / ₈	5 ¹ / ₄	14707
2 ⁷ / ₆₄		.4219	3 ¹⁵ / ₁₆	5 ³ / ₈	14685
7/16		.4375	4 ¹ / ₁₆	5 ¹ / ₂	14686
2 ⁹ / ₆₄		.4531	4 ³ / ₁₆	5 ⁵ / ₈	14687
1 ⁵ / ₃₂		.4687	4 ⁵ / ₁₆	5 ³ / ₄	14688
3 ¹ / ₆₄		.4844	4 ³ / ₈	5 ⁷ / ₈	14689
1/2		.5000	4 ¹ / ₂	6	14690

Ambore™ Heavy Duty Jobber Length Drills

Straight Shank — High Speed Steel
135° Split Point — Heavy Duty

135° Self-centering split point eliminates “walking” and reduces thrust. Recommended for a wide variety of low to medium tensile strength materials.

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1/16	.0625	7/8	1 7/8	12062
5/64	.0781	1	2	12063
3/32	.0938	1 1/4	2 1/4	12064
7/64	.1094	1 1/2	2 5/8	12065
1/8	.1250	1 5/8	2 3/4	12066
9/64	.1406	1 3/4	2 7/8	12067
5/32	.1562	2	3 1/8	12068
11/64	.1719	2 1/8	3 1/4	12069
3/16	.1875	2 5/16	3 1/2	12070
13/64	.2031	2 7/16	3 5/8	12071
7/32	.2188	2 1/2	3 3/4	12072
15/64	.2344	2 5/8	3 7/8	12073
1/4	.2500	2 3/4	4	12074
17/64	.2656	2 7/8	4 1/8	12075
9/32	.2812	2 15/16	4 1/4	12076

Aircraft Type B Heavy Duty Jobber Length Drills

Straight Shank — High Speed Steel
135° Split Point — Treated (Black Oxide)

135° Self-centering split point eliminates “walking” and reduces thrust. Recommended for a wide variety of low to medium tensile strength materials.

SIZE	FRAC-TIONAL	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1/64		80	.0135	1/8	3/4	14301**
		79	.0145	1/8	3/4	14302**
			.0156	3/16	3/4	14303**
		78	.0160	3/16	7/8	14304**
		77	.0180	3/16	7/8	14305**
		76	.0200	3/16	7/8	14306**
1/32		75	.0210	1/4	1	14307**
		74	.0225	1/4	1	14308**
		73	.0240	5/16	1 1/8	14309**
		72	.0250	5/16	1 1/8	14310**
		71	.0260	3/8	1 1/4	14311**
		70	.0280	3/8	1 1/4	14312**
		69	.0292	1/2	1 3/8	14313**
1/16		68	.0310	1/2	1 3/8	14314**
			.0312	1/2	1 3/8	14315**
		67	.0320	1/2	1 3/8	14316**
		66	.0330	1/2	1 3/8	14317**

** Sizes #53 and smaller furnished with 135° regular point

Foret court

Broca Uso Multiple



List No. 1384 — Gold & Black Finish

STANDARD PACKAGE Fractional Sizes
1/16" thru 3/8" — 12 each
25/64" thru 1/2" — 6 each

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
19/64	.2969	3 1/16	4 3/8	12077
5/16	.3125	3 3/16	4 1/2	12078
21/64	.3281	3 5/16	4 5/8	12079
11/32	.3438	3 7/16	4 3/4	12080
23/64	.3594	3 1/2	4 7/8	12081
3/8	.3750	3 5/8	5	12082
25/64	.3906	3 3/4	5 1/8	12083
13/32	.4062	3 7/8	5 1/4	12084
27/64	.4219	3 9/16	5 3/8	12085
7/16	.4375	4 1/16	5 1/2	12086
29/64	.4531	4 3/16	5 5/8	12087
15/32	.4688	4 5/16	5 3/4	12088
31/64	.4844	4 3/8	5 7/8	12089
1/2	.5000	4 1/2	6	12090

Foret court

Broca Uso Multiple



List No. 1385 - NAS 907, Type B

STANDARD PACKAGE Fractional Sizes
1/64" thru 3/8" — 12 each
25/64" thru 1/2" — 6 each

Letter Sizes
A thru V — 12 each
W thru Z — 6 each

Wire Gage Sizes
#1 thru #80 — 12 each

SIZE	FRAC-TIONAL	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1/64		65	.0350	5/8	1 1/2	14318**
		64	.0360	5/8	1 1/2	14319**
		63	.0370	5/8	1 1/2	14320**
		62	.0380	5/8	1 1/2	14321**
		61	.0390	11/16	1 5/8	14322**
		60	.0400	11/16	1 5/8	14323**
		59	.0410	11/16	1 5/8	14324**
		58	.0420	11/16	1 5/8	14325**
		57	.0430	3/4	1 3/4	14326**
		56	.0465	3/4	1 3/4	14327**
3/64			.0469	3/4	1 3/4	14328**
		55	.0520	7/8	1 7/8	14329**
		54	.0550	7/8	1 7/8	14330**
1/16		53	.0595	7/8	1 7/8	14331**
			.0625	7/8	1 7/8	14451
		52	.0635	7/8	1 7/8	14452
			.0670	1	2	14453
		51	.0670	1	2	14453

(continued)

Aircraft Type B Jobber Length Drills (continued)

List No. 1385

SIZE					
FRAC-TIONAL	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
5/64	50	.0700	1	2	14454
	49	.0730	1	2	14455
	48	.0760	1	2	14456
		.0781	1	2	14457
	47	.0785	1	2	14458
3/32	46	.0810	1 1/8	2 1/8	14459
	45	.0820	1 1/8	2 1/8	14460
	44	.0860	1 1/8	2 1/8	14461
	43	.0890	1 1/4	2 1/4	14462
	42	.0935	1 1/4	2 1/4	14463
7/64		.0937	1 1/4	2 1/4	14464
	41	.0960	1 3/8	2 3/8	14465
	40	.0980	1 3/8	2 3/8	14466
	39	.0995	1 3/8	2 3/8	14467
	38	.1015	1 7/16	2 1/2	14468
1/8	37	.1040	1 7/16	2 1/2	14469
	36	.1065	1 7/16	2 1/2	14470
		.1094	1 1/2	2 5/8	14471
	35	.1100	1 1/2	2 5/8	14472
	34	.1110	1 1/2	2 5/8	14473
9/64	33	.1130	1 1/2	2 5/8	14474
	32	.1160	1 5/8	2 3/4	14475
	31	.1200	1 5/8	2 3/4	14476
		.1250	1 5/8	2 3/4	14477
	30	.1285	1 5/8	2 3/4	14478
5/32	29	.1360	1 3/4	2 7/8	14479
	28	.1405	1 3/4	2 7/8	14480
		.1406	1 3/4	2 7/8	14481
	27	.1440	1 7/8	3	14482
	26	.1470	1 7/8	3	14483
11/64	25	.1495	1 7/8	3	14484
	24	.1520	2	3 1/8	14485
	23	.1540	2	3 1/8	14486
		.1562	2	3 1/8	14487
	22	.1570	2	3 1/8	14488
3/16	21	.1590	2 1/8	3 1/4	14489
	20	.1610	2 1/8	3 1/4	14490
	19	.1660	2 1/8	3 1/4	14491
	18	.1695	2 1/8	3 1/4	14492
		.1719	2 1/8	3 1/4	14493
7/32	17	.1730	2 3/16	3 3/8	14494
	16	.1770	2 3/16	3 3/8	14495
	15	.1800	2 3/16	3 3/8	14496
	14	.1820	2 3/16	3 3/8	14497
	13	.1850	2 5/16	3 1/2	14498
1/4		.1875	2 5/16	3 1/2	14499
	12	.1890	2 5/16	3 1/2	14500
	11	.1910	2 5/16	3 1/2	14501
	10	.1935	2 7/16	3 5/8	14502
	9	.1960	2 7/16	3 5/8	14503
5/16	8	.1990	2 7/16	3 5/8	14504
	7	.2010	2 7/16	3 5/8	14505
		.2031	2 7/16	3 5/8	14506
	6	.2040	2 1/2	3 3/4	14507
	5	.2055	2 1/2	3 3/4	14508
3/8	4	.2090	2 1/2	3 3/4	14509
	3	.2130	2 1/2	3 3/4	14510
		.2187	2 1/2	3 3/4	14511
	2	.2210	2 5/8	3 7/8	14512
	1	.2280	2 5/8	3 7/8	14513

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Broca Uso Multiple

SIZE					
FRAC-TIONAL	LETTER	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
15/64	A	.2340	2 5/8	3 7/8	14514
		.2344	2 5/8	3 7/8	14515
	B	.2380	2 3/4	4	14516
	C	.2420	2 3/4	4	14517
1/4	D	.2460	2 3/4	4	14518
	E	.2500	2 3/4	4	14519
	F	.2570	2 7/8	4 1/8	14521
	G	.2610	2 7/8	4 1/8	14522
17/64	H	.2656	2 7/8	4 1/8	14523
		.2660	2 7/8	4 1/8	14524
	I	.2720	2 7/8	4 1/8	14525
	J	.2770	2 7/8	4 1/8	14526
9/32	K	.2810	2 15/16	4 1/4	14527
		.2812	2 15/16	4 1/4	14528
	L	.2900	2 15/16	4 1/4	14529
	M	.2950	3 1/16	4 3/8	14530
19/64		.2969	3 1/16	4 3/8	14531
	N	.3020	3 1/16	4 3/8	14532
	5/16	.3125	3 3/16	4 1/2	14533
	O	.3160	3 3/16	4 1/2	14534
21/64	P	.3230	3 5/16	4 5/8	14535
		.3281	3 5/16	4 5/8	14536
	Q	.3320	3 7/16	4 3/4	14537
	R	.3390	3 7/16	4 3/4	14538
11/32		.3437	3 7/16	4 3/4	14539
	S	.3480	3 1/2	4 7/8	14540
	T	.3580	3 1/2	4 7/8	14541
	23/64	.3594	3 1/2	4 7/8	14542
3/8	U	.3680	3 5/8	5	14543
		.3750	3 5/8	5	14544
	V	.3770	3 5/8	5	14545
	W	.3860	3 3/4	5 1/8	14546
25/64		.3906	3 3/4	5 1/8	14547
	X	.3970	3 3/4	5 1/8	14548
	Y	.4040	3 7/8	5 1/4	14549
	13/32	.4062	3 7/8	5 1/4	14550
7/16	Z	.4130	3 7/8	5 1/4	14551
		.4219	3 15/16	5 3/8	14552
		.4375	4 1/16	5 1/2	14553
	29/64	.4531	4 3/16	5 5/8	14554
15/32		.4687	4 5/16	5 3/4	14555
	31/64	.4844	4 3/8	5 7/8	14556
	1/2	.5000	4 1/2	6	14557

MORSE® Modifications & Specials

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Modified Regulars

Automotive Series Jobber Length Drills

Straight Shank — High Speed Steel
118° Point — Treated (Black Oxide)

Designed for drilling a wide variety of materials, this drill will perform well under many different operating conditions. Tanged shank allows use with ASA split sleeve drivers.

Foret court

Broca Uso Multiple



List No. 1330A - Tanged Shank

STANDARD PACKAGE **Fractional Sizes**
1/8" thru 3/8" — 12 each
25/64" thru 1/2" — 6 each
33/64" thru 11/16" — 1 each

Letter Sizes
D thru U — 12 each
W and X — 6 each

Wire Gage Sizes
1 thru 30 — 12 each
Metric Sizes
3.3mm thru 9.0mm — 12 each

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1/8	.1250	1 5/8	2 3/4	12101
30	.1285	1 5/8	2 3/4	12102
29	.1360	1 3/4	2 7/8	12103
9/64	.1406	1 3/4	2 7/8	12104
26	.1470	1 7/8	3	12106
5/32	.1562	2	3 1/8	12108
20	.1610	2 1/8	3 1/4	12109
19	.1660	2 1/8	3 1/4	12110
18	.1695	2 1/8	3 1/4	12111*
1 1/64	.1719	2 1/8	3 1/4	12112
17	.1730	2 3/16	3 3/8	12113
16	.1770	2 3/16	3 3/8	12114
15	.1800	2 3/16	3 3/8	12115
3/16	.1875	2 5/16	3 1/2	12117
11	.1910	2 5/16	3 1/2	12118
8	.1990	2 7/16	3 5/8	12121*
1 3/64	.2031	2 7/16	3 5/8	12122
7/32	.2187	2 1/2	3 3/4	12125
1 5/64	.2344	2 5/8	3 7/8	12127
D	.2460	2 3/4	4	12128*
1/4 - E	.2500	2 3/4	4	12129
G	.2610	2 7/8	4 1/8	12131
1 7/64	.2656	2 7/8	4 1/8	12132
J	.2770	2 7/8	4 1/8	12134
9/32	.2812	2 15/16	4 1/4	12135

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1 9/64	.2969	3 1/16	4 3/8	12136
5/16	.3125	3 3/16	4 1/2	12138
2 1/64	.3281	3 5/16	4 5/8	12141
Q	.3320	3 7/16	4 3/4	12142
1 1/32	.3437	3 7/16	4 3/4	12144
S	.3480	3 1/2	4 7/8	12145
2 3/64	.3594	3 1/2	4 7/8	12146
U	.3680	3 5/8	5	12147
3/8	.3750	3 5/8	5	12148
2 5/64	.3906	3 3/4	5 1/8	12150
1 3/32	.4062	3 7/8	5 1/4	12152
2 7/64	.4219	3 15/16	5 3/8	12153
7/16	.4375	4 1/16	5 1/2	12154
2 9/64	.4531	4 3/16	5 5/8	12155
1 5/32	.4687	4 5/16	5 3/4	12156
1/2	.5000	4 1/2	6	12158
3 5/64	.5469	4 1 3/16	6 3/8	12161*
9/16	.5625	4 1 3/16	6 3/8	12162
3 9/64	.6094	5 3/16	7 1/8	12165*
5/8	.6250	5 3/16	7 1/8	12166
4 1/64	.6406	5 3/16	7 1/8	12167
4 3/64	.6719	5 5/8	7 5/8	12169*
1 1/16	.6875	5 5/8	7 5/8	12170

* Available While Supplies Last

Metric Sizes - Tanged Shank

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
3.30 mm	.1299	44	73	12171
3.40 mm	.1339	44	73	12172
3.50 mm	.1378	44	73	12173
5.70 mm	.2244	67	98	12174
6.10 mm	.2402	70	102	12175

SIZE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
6.40 mm	.2520	73	105	12176
7.25 mm	.2854	75	108	12177
7.40 mm	.2913	78	111	12178
7.80 mm	.3071	81	114	12179
9.00 mm	.3543	89	124	12180

Left Hand Jobber Length Drills

Straight Shank - High Speed Steel
118° Point

Used extensively in screw machine operations and in close center multiple spindle gear driven drilling heads where adjacent spindles operate alternately right and left hand.

SIZE					
FRAC-TIONAL	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
	77	.0180	3/16	7/8	11954*
	75	.0210	1/4	1	11956*
	73	.0240	5/16	1 1/8	11958*
	71	.0260	3/8	1 1/4	11960*
	69	.0292	1/2	1 3/8	11962*
	66	.0330	1/2	1 3/8	11966*
	63	.0370	5/8	1 1/2	11969*
	62	.0380	5/8	1 1/2	11970*
	61	.0390	11/16	1 5/8	11971*
	60	.0400	11/16	1 5/8	11972*
	56	.0465	3/4	1 3/4	11976*
1/16		.0625	7/8	1 7/8	11981
	52	.0635	7/8	1 7/8	11982
	51	.0670	1	2	11983
	50	.0700	1	2	11984
	49	.0730	1	2	11985
	48	.0760	1	2	11986
5/64		.0781	1	2	11987
	47	.0785	1	2	11988
	46	.0810	1 1/8	2 1/8	11989
	45	.0820	1 1/8	2 1/8	11990
	44	.0860	1 1/8	2 1/8	11991
	43	.0890	1 1/4	2 1/4	11992
	42	.0935	1 1/4	2 1/4	11993
3/32		.0937	1 1/4	2 1/4	11994
	41	.0960	1 3/8	2 3/8	11995
	40	.0980	1 3/8	2 3/8	11996
	39	.0995	1 3/8	2 3/8	11997
	38	.1015	1 7/16	2 1/2	11998
	37	.1040	1 7/16	2 1/2	11999
	36	.1065	1 7/16	2 1/2	12000
7/64		.1094	1 1/2	2 5/8	12001
	35	.1100	1 1/2	2 5/8	12002
	34	.1110	1 1/2	2 5/8	12003
	33	.1130	1 1/2	2 5/8	12004
	32	.1160	1 5/8	2 3/4	12005
	31	.1200	1 5/8	2 3/4	12006
1/8		.1250	1 5/8	2 3/4	12007
	30	.1285	1 5/8	2 3/4	12008
	29	.1360	1 3/4	2 7/8	12009
	28	.1405	1 3/4	2 7/8	12010
9/64		.1406	1 3/4	2 7/8	12011
	27	.1440	1 7/8	3	12012
	26	.1470	1 7/8	3	12013

* Available While Supplies Last

Foret court

Broca Uso Multiple



List No. 1330L

STANDARD PACKAGE Fractional Sizes
1/32" thru 3/8" — 12 each
25/64" thru 1/2" — 6 each

Wire Gage Sizes
#1 thru #80 — 12 each

SIZE					
FRAC-TIONAL	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
	25	.1495	1 7/8	3	12014
	24	.1520	2	3 1/8	12015
	23	.1540	2	3 1/8	12016
5/32		.1562	2	3 1/8	12017
	22	.1570	2	3 1/8	12018
	21	.1590	2 1/8	3 1/4	12019
	20	.1610	2 1/8	3 1/4	12020
	19	.1660	2 1/8	3 1/4	12021
	18	.1695	2 1/8	3 1/4	12022
11/64		.1719	2 1/8	3 1/4	12023
	17	.1730	2 3/16	3 3/8	12024
	16	.1770	2 3/16	3 3/8	12025
	15	.1800	2 3/16	3 3/8	12026
	14	.1820	2 3/16	3 3/8	12027
	13	.1850	2 5/16	3 1/2	12028
3/16		.1875	2 5/16	3 1/2	12029
	12	.1890	2 5/16	3 1/2	12030
	11	.1910	2 5/16	3 1/2	12031
	10	.1935	2 7/16	3 5/8	12032
	9	.1960	2 7/16	3 5/8	12033
	8	.1990	2 7/16	3 5/8	12034
	7	.2010	2 7/16	3 5/8	12035
13/64		.2031	2 7/16	3 5/8	12036
	6	.2040	2 1/2	3 3/4	12037
	5	.2055	2 1/2	3 3/4	12038
	4	.2090	2 1/2	3 3/4	12039
	3	.2130	2 1/2	3 3/4	12040
7/32		.2187	2 1/2	3 3/4	12041
	2	.2210	2 5/8	3 7/8	12042
	1	.2280	2 5/8	3 7/8	12043
15/64		.2344	2 5/8	3 7/8	12044
1/4		.2500	2 3/4	4	12045
17/64		.2656	2 7/8	4 1/8	12046
9/32		.2812	2 15/16	4 1/4	12047
19/64		.2969	3 1/16	4 3/8	12048
5/16		.3125	3 3/16	4 1/2	12049
21/64		.3281	3 5/16	4 5/8	12050
11/32		.3437	3 7/16	4 3/4	12051
23/64		.3594	3 1/2	4 7/8	12052
3/8		.3750	3 5/8	5	12053
25/64		.3906	3 3/4	5 1/8	12054
13/32		.4062	3 7/8	5 1/4	12055
27/64		.4219	3 15/16	5 3/8	12056
7/16		.4375	4 1/16	5 1/2	12057
29/64		.4531	4 3/16	5 5/8	12058
15/32		.4687	4 5/16	5 3/4	12059
31/64		.4844	4 3/8	5 7/8	12060
1/2		.5000	4 1/2	6	12061



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Modifications & Specials

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High Speed Steel
Cobalt
Carbide Tipped
Solid Carbide
Coatings

Metric Jobber Length Drills

Straight Shank — High Speed Steel
118° Point - Treated (Black Oxide)
DIN 338 Lengths

SIZE MM	DEC. EQUIV.	FLUTE LENGTH		OAL		EDP NO.
		MM	IN.	MM	IN.	
.15	.0059	1.5	1/16	19	3/4	12893
.16	.0063	1.5	1/16	19	3/4	12894
.21	.0083	2.5	3/32	19	3/4	12899
.22	.0087	2.5	3/32	19	3/4	12990
.32	.0126	4	5/32	19	3/4	12999
.34	.0134	4	5/32	19	3/4	13000
.44	.0173	5	3/16	20	25/32	12853
.48	.0181	5	3/16	20	25/32	12855
.50	.0197	6	1/4	22	7/8	13004
.55	.0217	7	9/32	24	15/16	13005
.60	.0236	7	9/32	24	15/16	13006
.65	.0265	8	5/16	26	1-1/32	13007
.70	.0276	9	11/32	28	1-3/32	13008
.75	.0295	9	11/32	28	1-3/32	13009
.80	.0315	10	13/32	30	1-3/16	13010
.85	.0335	10	13/32	30	1-3/16	13011
.90	.0354	11	7/16	32	1-1/4	13012
.95	.0374	11	7/16	32	1-1/4	13013
1.00	.0394	12	15/32	34	1-11/32	13014
1.05	.0413	12	15/32	34	1-11/32	13015
1.10	.0433	14	9/16	36	1-7/16	13016
1.15	.0453	14	9/16	36	1-7/16	13017
1.20	.0472	16	5/8	38	1-1/2	13018
1.25	.0492	16	5/8	38	1-1/2	13019

Foret court

Broca Uso Multiple



List No. 1333

STANDARD .15 mm thru 9.5 mm — 12 each
PACKAGE 9.6 mm thru 13.0 mm — 6 each
 13.5mm thru 17.5 mm — 1 each

SIZE MM	DEC. EQUIV.	FLUTE LENGTH		OAL		EDP NO.
		MM	IN.	MM	IN.	
1.30	.0512	16	5/8	38	1-1/2	13020
1.35	.0531	18	11/16	40	1-9/16	13021
1.40	.0551	18	11/16	40	1-9/16	13022
1.45	.0571	18	11/16	40	1-9/16	13023
1.50	.0591	18	11/16	40	1-9/16	13024
1.55	.0610	20	25/32	43	1-11/16	13025
1.60	.0630	20	25/32	43	1-11/16	13026
1.65	.0650	20	25/32	43	1-11/16	13027
1.70	.0669	20	25/32	43	1-11/16	13028
1.75	.0689	22	7/8	46	1-13/16	13029
1.80	.0709	22	7/8	46	1-13/16	13030
1.85	.0728	22	7/8	46	1-13/16	13031
1.90	.0748	22	7/8	46	1-13/16	13032
1.95	.0768	24	15/16	49	1-15/16	13033
2.00	.0787	24	15/16	49	1-15/16	13034
2.05	.0807	24	15/16	49	1-15/16	13035
2.10	.0827	24	15/16	49	1-15/16	13036
2.15	.0846	27	1-1/16	53	2-3/32	13037
2.20	.0866	27	1-1/16	53	2-3/32	13038
2.25	.0886	27	1-1/16	53	2-3/32	13039
2.30	.0906	27	1-1/16	53	2-3/32	13040
2.35	.0925	27	1-1/16	53	2-3/32	13041
2.40	.0945	30	1-3/16	57	2-1/4	13042
2.45	.0965	30	1-3/16	57	2-1/4	13043

* Available While Supplies Last

(continued)

Metric Jobber Length Drills (continued)

List No. 1333

Foret court

Broca Uso Multiple

SIZE MM	DEC. EQUIV.	FLUTE LENGTH		OAL		EDP NO.
		MM	IN.	MM	IN.	
2.50	.0984	30	1-3/16	57	2-1/4	13044
2.60	.1024	30	1-3/16	57	2-1/4	13045
2.70	.1063	33	1-5/16	61	2-13/32	13046
2.75	.1083	33	1-5/16	61	2-13/32	13047
2.80	.1102	33	1-5/16	61	2-13/32	13048
2.90	.1142	33	1-5/16	61	2-13/32	13049
3.00	.1181	33	1-5/16	61	2-13/32	13050
3.10	.1220	36	1-7/16	65	2-9/16	13051
3.20	.1260	36	1-7/16	65	2-9/16	13052
3.25	.1280	36	1-7/16	65	2-9/16	13053
3.30	.1299	36	1-7/16	65	2-9/16	13054
3.40	.1339	39	1-17/32	70	2-3/4	13055
3.50	.1378	39	1-17/32	70	2-3/4	13056
3.60	.1417	39	1-17/32	70	2-3/4	13057
3.70	.1457	39	1-17/32	70	2-3/4	13058
3.75	.1476	39	1-17/32	70	2-3/4	13059
3.80	.1496	43	1-11/16	75	2-15/16	13060
3.90	.1535	43	1-11/16	75	2-15/16	13061
4.00	.1575	43	1-11/16	75	2-15/16	13062
4.10	.1614	43	1-11/16	75	2-15/16	13063
4.20	.1654	43	1-11/16	75	2-15/16	13064
4.25	.1673	43	1-11/16	75	2-15/16	13065
4.30	.1693	47	1-27/32	80	3-5/32	13066
4.40	.1732	47	1-27/32	80	3-5/32	13067
4.50	.1772	47	1-27/32	80	3-5/32	13068
4.60	.1811	47	1-27/32	80	3-5/32	13069
4.70	.1850	47	1-27/32	80	3-5/32	13070
4.75	.1870	47	1-27/32	80	3-5/32	13071
4.80	.1890	52	2-1/16	86	3-3/8	13072
4.90	.1929	52	2-1/16	86	3-3/8	13073
5.00	.1968	52	2-1/16	86	3-3/8	13074
5.10	.2008	52	2-1/16	86	3-3/8	13075
5.20	.2047	52	2-1/16	86	3-3/8	13076
5.25	.2067	52	2-1/16	86	3-3/8	13077
5.30	.2087	52	2-1/16	86	3-3/8	13078
5.40	.2126	57	2-1/4	93	3-21/32	13079
5.50	.2165	57	2-1/4	93	3-21/32	13080
5.60	.2205	57	2-1/4	93	3-21/32	13081
5.70	.2244	57	2-1/4	93	3-21/32	13082
5.75	.2264	57	2-1/4	93	3-21/32	13083
5.80	.2283	57	2-1/4	93	3-21/32	13084
5.90	.2323	57	2-1/4	93	3-21/32	13085
6.00	.2362	57	2-1/4	93	3-21/32	13086
6.10	.2402	63	2-15/32	101	3-31/32	13087
6.20	.2441	63	2-15/32	101	3-31/32	13088
6.25	.2461	63	2-15/32	101	3-31/32	13089
6.30	.2480	63	2-15/32	101	3-31/32	13090
6.40	.2520	63	2-15/32	101	3-31/32	13091
6.50	.2559	63	2-15/32	101	3-31/32	13092
6.60	.2598	63	2-15/32	101	3-31/32	13093
6.70	.2638	63	2-15/32	101	3-31/32	13094
6.75	.2657	69	2-23/32	109	4-9/32	13095
6.80	.2677	69	2-23/32	109	4-9/32	13096
6.90	.2717	69	2-23/32	109	4-9/32	13097
7.00	.2756	69	2-23/32	109	4-9/32	13098
7.10	.2795	69	2-23/32	109	4-9/32	13099

SIZE MM	DEC. EQUIV.	FLUTE LENGTH		OAL		EDP NO.
		MM	IN.	MM	IN.	
7.20	.2835	69	2-23/32	109	4-9/32	13100
7.25	.2854	69	2-23/32	109	4-9/32	13101
7.30	.2874	69	2-23/32	109	4-9/32	13102
7.40	.2913	69	2-23/32	109	4-9/32	13103
7.50	.2953	69	2-23/32	109	4-9/32	13104
7.60	.2992	75	2-15/16	117	4-19/32	13105
7.70	.3031	75	2-15/16	117	4-19/32	13106
7.75	.3051	75	2-15/16	117	4-19/32	13107
7.80	.3071	75	2-15/16	117	4-19/32	13108
7.90	.3110	75	2-15/16	117	4-19/32	13109
8.00	.3150	75	2-15/16	117	4-19/32	13110
8.10	.3189	75	2-15/16	117	4-19/32	13111
8.20	.3228	75	2-15/16	117	4-19/32	13112
8.25	.3248	75	2-15/16	117	4-19/32	13113
8.30	.3268	75	2-15/16	117	4-19/32	13114
8.40	.3307	75	2-15/16	117	4-19/32	13115
8.50	.3346	75	2-15/16	117	4-19/32	13116
8.60	.3386	81	3-3/16	125	4-29/32	13117
8.70	.3425	81	3-3/16	125	4-29/32	13118
8.75	.3445	81	3-3/16	125	4-29/32	13119
8.80	.3465	81	3-3/16	125	4-29/32	13120
8.90	.3504	81	3-3/16	125	4-29/32	13121
9.00	.3543	81	3-3/16	125	4-29/32	13122
9.10	.3583	81	3-3/16	125	4-29/32	13123
9.20	.3622	81	3-3/16	125	4-29/32	13124
9.25	.3642	81	3-3/16	125	4-29/32	13125
9.30	.3661	81	3-3/16	125	4-29/32	13126
9.40	.3701	81	3-3/16	125	4-29/32	13127
9.50	.3740	81	3-3/16	125	4-29/32	13128
9.60	.3780	87	3-7/16	133	5-1/4	13129
9.70	.3819	87	3-7/16	133	5-1/4	13130
9.75	.3839	87	3-7/16	133	5-1/4	13131
9.80	.3898	87	3-7/16	133	5-1/4	13132
9.90	.3998	87	3-7/16	133	5-1/4	13133
10.00	.3937	87	3-7/16	133	5-1/4	13134
10.20	.4016	87	3-7/16	133	5-1/4	12858
10.30	.4055	87	3-7/16	133	5-1/4	12859
10.50	.4134	87	3-7/16	133	5-1/4	13135
10.80	.4252	94	3-11/16	142	5-19/32	12863
11.00	.4331	94	3-11/16	142	5-19/32	13136
11.20	.4409	94	3-11/16	142	5-19/32	12866
11.50	.4528	94	3-11/16	142	5-19/32	13137
11.80	.4646	94	3-11/16	142	5-19/32	12871
12.00	.4724	101	3-31/32	151	5-15/16	13138
12.20	.4803	101	3-31/32	151	5-15/16	12874
12.50	.4921	101	3-31/32	151	5-15/16	13139
13.00	.5118	101	3-31/32	151	5-15/16	13140
13.50	.5315	108	4-1/4	160	6-5/16	12881
14.00	.5512	108	4-1/4	160	6-5/16	12882
14.50	.5709	114	4-1/2	169	6-5/8	12883
15.00	.5906	114	4-1/2	169	6-5/8	12884
15.50	.6102	120	4-3/4	178	7	12885
16.00	.6299	120	4-3/4	178	7	12886
16.50	.6496	125	4-29/32	184	7-1/4	12887
17.00	.6693	125	4-29/32	184	7-1/4	12888
17.50	.6890	130	5-3/32	191	7-17/32	12890

Low Helix & High Helix Jobber Length Drills

**Straight Shank — High Speed Steel
118° Point**

Low Helix drills are recommended for drilling brass, bronze, hard plastic and hard rubber. Wide flutes and low helix angle enhance chip ejection at high rates of penetration.

High Helix drills are recommended for deep hole drilling in low tensile strength materials such as aluminum, magnesium, zinc, copper, soft steels and some plastics. Wide polished flutes and a high helix angle enhance chip ejection.

Foret court

Broca Uso Multiple



List No. 1344 — Low Helix - All Sizes



List No. 1363 — High Helix-Fractional

List No. 1364 — High Helix-Wire Gage

STANDARD PACKAGE

Fractional Sizes

1/16" thru 3/8" — 12 each
25/64" thru 1/2" — 6 each

Wire Gage Sizes

#1 thru #60 — 12 each

**Tool Coatings
Also Available**

FRAC-TIONAL	SIZE	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	1344	1363, 1364
						EDP NO.	EDP NO.
		60	.0400	1 1/16	1 5/8	14023	14172
		59	.0410	1 1/16	1 5/8	14024	14173
		58	.0420	1 1/16	1 5/8	14025	14174
		57	.0430	3/4	1 3/4	14026	14175
		56	.0465	3/4	1 3/4	14027	14176
		1/16		55	.0520	7/8	1 7/8
54	.0550			7/8	1 7/8	14029	14179
53	.0595			7/8	1 7/8	14030	14180
	.0625			7/8	1 7/8	14031	14181
52	.0635			7/8	1 7/8	14032	14182
5/64				51	.0670	1	2
		50	.0700	1	2	14034	14184
		49	.0730	1	2	14035	14185
		48	.0760	1	2	14036	14186
			.0781	1	2	14037	14187
		3/32		47	.0785	1	2
46	.0810			1 1/8	2 1/8	14039	14189
45	.0820			1 1/8	2 1/8	14040	14190
44	.0860			1 1/8	2 1/8	14041	14191
43	.0890			1 1/4	2 1/4	14042	14192
7/64				42	.0935	1 1/4	2 1/4
			.0937	1 1/4	2 1/4	14044	14194
		41	.0960	1 3/8	2 3/8	14045	14195
		40	.0980	1 3/8	2 3/8	14046	14196
		39	.0995	1 3/8	2 3/8	14047	14197
		1/8		38	.1015	1 7/16	2 1/2
37	.1040			1 7/16	2 1/2	14049	14199
36	.1065			1 7/16	2 1/2	14050	14200
	.1094			1 1/2	2 5/8	14051	14201
35	.1100			1 1/2	2 5/8	14052	14202
9/64				34	.1110	1 1/2	2 5/8
		33	.1130	1 1/2	2 5/8	14054	14204
		32	.1160	1 5/8	2 3/4	14055	14205
		31	.1200	1 5/8	2 3/4	14056	14206
			.1250	1 5/8	2 3/4	14057	14207
		3/16		30	.1285	1 5/8	2 3/4
29	.1360			1 3/4	2 7/8	14059	14209
28	.1405			1 3/4	2 7/8	14060	14210
	.1406			1 3/4	2 7/8	14061	14211
27	.1440			1 7/8	3	14062	14212

(continued)

Low Helix & High Helix Jobber Length Drills (continued)

List Nos. 1344, 1363 and 1364

FRAC-TIONAL	SIZE	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	Foret court		Broca Uso Multiple	
						1344 EDP NO.	1363, 1364 EDP NO.	1344 EDP NO.	1363, 1364 EDP NO.
		26	.1470	1 $\frac{7}{8}$	3	14063	14213		
		25	.1495	1 $\frac{7}{8}$	3	14064	14214		
		24	.1520	2	3 $\frac{1}{8}$	14065	14215		
		23	.1540	2	3 $\frac{1}{8}$	14066	14216		
5/32			.1562	2	3 $\frac{1}{8}$	14067	14217		
		22	.1570	2	3 $\frac{1}{8}$	14068	14218		
		21	.1590	2 $\frac{1}{8}$	3 $\frac{1}{4}$	14069	14219		
		20	.1610	2 $\frac{1}{8}$	3 $\frac{1}{4}$	14070	14220		
		19	.1660	2 $\frac{1}{8}$	3 $\frac{1}{4}$	14071	14221		
		18	.1695	2 $\frac{1}{8}$	3 $\frac{1}{4}$	14072	14222		
11/64			.1719	2 $\frac{1}{8}$	3 $\frac{1}{4}$	14073	14223		
		17	.1730	2 $\frac{3}{16}$	3 $\frac{3}{8}$	14074	14224		
		16	.1770	2 $\frac{3}{16}$	3 $\frac{3}{8}$	14075	14225		
		15	.1800	2 $\frac{3}{16}$	3 $\frac{3}{8}$	14076	14226		
		14	.1820	2 $\frac{3}{16}$	3 $\frac{3}{8}$	14077	14227		
		13	.1850	2 $\frac{5}{16}$	3 $\frac{1}{2}$	14078	14228		
3/16			.1875	2 $\frac{5}{16}$	3 $\frac{1}{2}$	14079	14229		
		12	.1890	2 $\frac{5}{16}$	3 $\frac{1}{2}$	14080	14230		
		11	.1910	2 $\frac{5}{16}$	3 $\frac{1}{2}$	14081	14231		
		10	.1935	2 $\frac{7}{16}$	3 $\frac{5}{8}$	14082	14232		
		9	.1960	2 $\frac{7}{16}$	3 $\frac{5}{8}$	14083	14233		
		8	.1990	2 $\frac{7}{16}$	3 $\frac{5}{8}$	14084	14234		
		7	.2010	2 $\frac{7}{16}$	3 $\frac{5}{8}$	14085	14235		
13/64			.2031	2 $\frac{7}{16}$	3 $\frac{5}{8}$	14086	14236		
		6	.2040	2 $\frac{1}{2}$	3 $\frac{3}{4}$	14087	14237		
		5	.2055	2 $\frac{1}{2}$	3 $\frac{3}{4}$	14088	14238		
		4	.2090	2 $\frac{1}{2}$	3 $\frac{3}{4}$	14089	14239		
		3	.2130	2 $\frac{1}{2}$	3 $\frac{3}{4}$	14090	14240		
7/32			.2187	2 $\frac{1}{2}$	3 $\frac{3}{4}$	14091	14241		
		2	.2210	2 $\frac{5}{8}$	3 $\frac{7}{8}$	14092	14242		
		1	.2280	2 $\frac{5}{8}$	3 $\frac{7}{8}$	14093	14243		
15/64			.2344	2 $\frac{5}{8}$	3 $\frac{7}{8}$	14095	14245		
1/4			.2500	2 $\frac{3}{4}$	4	14099	14249		
17/64			.2656	2 $\frac{7}{8}$	4 $\frac{1}{8}$	14103	14253		
9/32			.2812	2 $\frac{15}{16}$	4 $\frac{1}{4}$	14108	14258		
19/64			.2969	3 $\frac{1}{16}$	4 $\frac{3}{8}$	14111	14261		
5/16			.3125	3 $\frac{3}{16}$	4 $\frac{1}{2}$	14113	14263		
21/64			.3281	3 $\frac{5}{16}$	4 $\frac{5}{8}$	14116	14266		
11/32			.3437	3 $\frac{7}{16}$	4 $\frac{3}{4}$	14119	14269		
23/64			.3593	3 $\frac{1}{2}$	4 $\frac{7}{8}$	14122	14272		
3/8			.3750	3 $\frac{5}{8}$	5	14124	14274		
25/64			.3906	3 $\frac{3}{4}$	5 $\frac{1}{8}$	14127	14277		
13/32			.4062	3 $\frac{7}{8}$	5 $\frac{1}{4}$	14130	14280		
27/64			.4219	3 $\frac{15}{16}$	5 $\frac{3}{8}$	14132	14282		
7/16			.4375	4 $\frac{1}{16}$	5 $\frac{1}{2}$	14133	14283		
29/64			.4531	4 $\frac{3}{16}$	5 $\frac{5}{8}$	14134	14284		
15/32			.4687	4 $\frac{5}{16}$	5 $\frac{3}{4}$	14135	14285		
31/64			.4844	4 $\frac{3}{8}$	5 $\frac{7}{8}$	14136	14286		
1/2			.5000	4 $\frac{1}{2}$	6	14137	14287		

Parabolic Flute

Jobber Length Drills

Straight Shank - High Speed Steel
135° Split Point

Parabolic Flute drills feature a unique flute design that greatly enhances chip flow, coolant flow to the drill point and heat dissipation in deep hole drilling greater than three diameters deep. Recommended for drilling aluminum and other low to medium tensile strength materials.

Titanium Nitride (TiN) Coating increases tool surface hardness, wear resistance, heat resistance, chip flow and resists chip welding. Enhanced hole quality at higher speeds and feeds.

Foret à goujure parabolique

Broca parabólica



List No. 1355 — Bright Finish



List No. 1355G — TiN Coated

STANDARD PACKAGE **Fractional Sizes**
 1/16" thru 3/8" — 12 each
 25/64" Thru 1/2" — 6 each

Wire Gages
 #1 thru #52 — 12 each

FRAC-TIONAL	SIZE		DEC. EQUIV.	FLUTE LENGTH	OAL	1355	1355G
	WIRE GAGE					BRIGHT EDP NO.	TIN COAT EDP NO.
1/16			.0625	7/8	1 7/8	13330	93330
		52	.0635	7/8	1 7/8	13329	93329
		51	.0670	1	2	13328	93328
		50	.0700	1	2	13327	93327
		49	.0730	1	2	13326	93326
5/64		48	.0760	1	2	13325	93325
			.0781	1	2	13331	93331
		47	.0785	1	2	13324	93324
		46	.0810	1 1/8	2 1/8	13323	93323
		45	.0820	1 1/8	2 1/8	13322	93322
3/32		44	.0860	1 1/8	2 1/8	13321	93321
		43	.0890	1 1/4	2 1/4	13320	93320
		42	.0935	1 1/4	2 1/4	13319	93319
			.0938	1 1/4	2 1/4	13332	93332
		41	.0960	1 3/8	2 3/8	13318	93318
7/64		40	.0980	1 3/8	2 3/8	13317	93317
		39	.0995	1 3/8	2 3/8	13316	93316
		38	.1015	1 7/16	2 1/2	13315	93315
		37	.1040	1 7/16	2 1/2	13314	93314
		36	.1065	1 7/16	2 1/2	13313	93313
1/8			.1094	1 1/2	2 5/8	13333	93333
		35	.1100	1 1/2	2 5/8	13312	93312
		34	.1110	1 1/2	2 5/8	13311	93311
		33	.1130	1 1/2	2 5/8	13310	93310
		32	.1160	1 5/8	2 3/4	13309	93309
9/64		31	.1200	1 5/8	2 3/4	13308	93308
			.1250	1 5/8	2 3/4	13334	93334
		30	.1285	1 5/8	2 3/4	13307	93307
		29	.1360	1 3/4	2 7/8	13306	93306
		28	.1405	1 3/4	2 7/8	13305	93305
5/32			.1406	1 3/4	2 7/8	13335	93335
		27	.1440	1 7/8	3	13304	93304
		26	.1470	1 7/8	3	13303	93303
		25	.1495	1 7/8	3	13302	93302
		24	.1520	2	3 1/8	13301	93301
3/16		23	.1540	2	3 1/8	13300	93300
			.1562	2	3 1/8	13336	93336
		22	.1570	2	3 1/8	13299	93299
		21	.1590	2 1/8	3 1/4	13298	93298
		20	.1610	2 1/8	3 1/4	13297	93297
1/4		19	.1660	2 1/8	3 1/4	13296	93296
		18	.1695	2 1/8	3 1/4	13295	93295
			.1719	2 1/8	3 1/4	13337	93337

(continued)

Parabolic Flute Jobber Length Drills (continued)

List Nos. 1355 and 1355G

Foret à goujure parabolique

Broca parabólica

FRAC-TIONAL	SIZE	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	1355 BRIGHT EDP NO.	1355G TIN COAT EDP NO.
		17	.1730	2 ³ / ₁₆	3 ³ / ₈	13294	93294
		16	.1770	2 ³ / ₁₆	3 ³ / ₈	13293	93293
		15	.1800	2 ³ / ₁₆	3 ³ / ₈	13292	93292
		14	.1820	2 ³ / ₁₆	3 ³ / ₈	13291	93291
		13	.1850	2 ⁵ / ₁₆	3 ¹ / ₂	13290	93290
3/16			.1875	2 ⁵ / ₁₆	3 ¹ / ₂	13338	93338
		12	.1890	2 ⁵ / ₁₆	3 ¹ / ₂	13289	93289
		11	.1910	2 ⁵ / ₁₆	3 ¹ / ₂	13288	93288
		10	.1935	2 ⁷ / ₁₆	3 ⁵ / ₈	13287	93287
		9	.1960	2 ⁷ / ₁₆	3 ⁵ / ₈	13286	93286
1/2		8	.1990	2 ⁷ / ₁₆	3 ⁵ / ₈	13285	93285
		7	.2010	2 ⁷ / ₁₆	3 ⁵ / ₈	13284	93284
13/64			.2031	2 ⁷ / ₁₆	3 ⁵ / ₈	13339	93339
		6	.2040	2 ¹ / ₂	3 ³ / ₄	13283	93283
		5	.2055	2 ¹ / ₂	3 ³ / ₄	13282	93282
7/32		4	.2090	2 ¹ / ₂	3 ³ / ₄	13281	93281
		3	.2130	2 ¹ / ₂	3 ³ / ₄	13280	93280
			.2188	2 ¹ / ₂	3 ³ / ₄	13340	93340
		2	.2210	2 ⁵ / ₈	3 ⁷ / ₈	13279	93279
		1	.2280	2 ⁵ / ₈	3 ⁷ / ₈	13278	93278
15/64			.2344	2 ⁵ / ₈	3 ⁷ / ₈	13341	93341
1/4			.2500	2 ³ / ₄	4	13342	93342
17/64			.2656	2 ⁷ / ₈	4 ¹ / ₈	13343	93343
9/32			.2812	2 ¹⁵ / ₁₆	4 ¹ / ₄	13344	93344
19/64			.2969	3 ¹ / ₁₆	4 ³ / ₈	13345	93345
5/16			.3125	3 ³ / ₁₆	4 ¹ / ₂	13346	93346
21/64			.3281	3 ⁵ / ₁₆	4 ⁵ / ₈	13347	93347
11/32			.3438	3 ⁷ / ₁₆	4 ³ / ₄	13348	93348
23/64			.3594	3 ¹ / ₂	4 ⁷ / ₈	13349	93349
3/8			.3750	3 ⁵ / ₈	5	13350	93350
25/64			.3906	3 ³ / ₄	5 ¹ / ₈	13351	93351
13/32			.4062	3 ⁷ / ₈	5 ¹ / ₄	13352	93352
27/64			.4219	3 ¹⁵ / ₁₆	5 ³ / ₈	13353	93353
7/16			.4375	4 ¹ / ₁₆	5 ¹ / ₂	13354	93354
29/64			.4531	4 ³ / ₁₆	5 ⁵ / ₈	13355	93355
15/32			.4688	4 ⁵ / ₁₆	5 ³ / ₄	13356	93356
31/64			.4844	4 ³ / ₈	5 ⁷ / ₈	13357	93357
1/2			.5000	4 ¹ / ₂	6	13358	93358

TOOL COATING SERVICE

Tool Coatings enhance cutting tool performance for increased productivity and lower overall tooling cost. Benefits include increased surface hardness, lubricity & heat resistance and decreased chemical reactivity. Results include reduced friction & torque, higher speeds & feeds, increased tool life, decreased galling & chip welding and improved surface finish. **PLEASE INQUIRE.**

TiN — Titanium Nitride

TiCN — Titanium Carbonitride

TiAlN — Titanium Aluminum Nitride

AlTiN — Aluminum Titanium Nitride

CrN — Chromium Nitride

CrC — Chromium Carbide

DLC — Diamond Like Carbon

Drill Blanks

High Speed Steel

Hardened and Ground

Made to the same length as jobber length drills. Applications include use as blanks for small cutting tools, checking hole sizes and use as punches, pins and drifts.

Tolerance: Up to 1/4" +0/-0.0005
1/4" or larger +0/-0.0007

SIZE				
FRAC-TIONAL	WIRE GAGE	DEC. EQUIV.	OAL	EDP NO.
	78	.0160	7/8	15454*
	77	.0180	7/8	15455*
	76	.0200	7/8	15456*
	75	.0210	1	15457*
	74	.0225	1	15458*
	73	.0240	1 1/8	15459*
	71	.0260	1 1/4	15461*
	68	.0310	1 3/8	15464*
	67	.0320	1 3/8	15466*
	66	.0330	1 3/8	15467*
	64	.0360	1 1/2	15469*
	60	.0400	1 5/8	15473
	59	.0410	1 5/8	15474
	58	.0420	1 5/8	15475
	57	.0430	1 3/4	15476
	56	.0465	1 3/4	15477
3/64		.0469	1 3/4	15478
	55	.0520	1 7/8	15479
	54	.0550	1 7/8	15480
	53	.0595	1 7/8	15481
1/16		.0625	1 7/8	15482
	52	.0635	1 7/8	15483
	51	.0670	2	15484
	50	.0700	2	15485
	49	.0730	2	15486
	48	.0760	2	15487
5/64		.0781	2	15488
	47	.0785	2	15489
	46	.0810	2 1/8	15490
	45	.0820	2 1/8	15491
	44	.0860	2 1/8	15492
	43	.0890	2 1/4	15493
	42	.0935	2 1/4	15494
3/32		.0937	2 1/4	15495
	41	.0960	2 3/8	15496
	40	.0980	2 3/8	15497
	39	.0995	2 3/8	15498
	38	.1015	2 1/2	15499
	37	.1040	2 1/2	15500
	36	.1065	2 1/2	15501
7/64		.1094	2 5/8	15502
	35	.1100	2 5/8	15503
	34	.1110	2 5/8	15504
	33	.1130	2 5/8	15505
	32	.1160	2 3/4	15506
	31	.1200	2 3/4	15507
1/8		.1250	2 3/4	15508
	30	.1285	2 3/4	15509
	29	.1360	2 7/8	15510
	28	.1405	2 7/8	15511

Foret brut

Blancos de brocas



List No. 1439

STANDARD PACKAGE Fractional Sizes
1/64" thru 3/8" — 12 each
25/64" thru 1/2" — 6 each

Wire Gage Sizes
#1 thru #80 — 12 each

SIZE				
FRAC-TIONAL	WIRE & LETTER	DEC. EQUIV.	OAL	EDP NO.
9/64		.1406	27/8	15512
	27	.1440	3	15513
	26	.1470	3	15514
	25	.1495	3	15515
	24	.1520	3 1/8	15516
	23	.1540	3 1/8	15517
5/32		.1562	3 1/8	15518
	22	.1570	3 1/8	15519
	21	.1590	3 1/4	15520
	20	.1610	3 1/4	15521
	19	.1660	3 1/4	15522
	18	.1695	3 1/4	15523
11/64		.1719	3 1/4	15524
	17	.1730	3 3/8	15525
	16	.1770	3 3/8	15526
	15	.1800	3 3/8	15527
	14	.1820	3 3/8	15528
	13	.1850	3 1/2	15529
3/16		.1875	3 1/2	15530
	12	.1890	3 1/2	15531
	11	.1910	3 1/2	15532
	10	.1935	3 5/8	15533
	9	.1960	3 5/8	15534
	8	.1990	3 5/8	15535
	7	.2010	3 5/8	15536
13/64		.2031	3 5/8	15537
	6	.2040	3 3/4	15538
	5	.2055	3 3/4	15539
	4	.2090	3 3/4	15540
	3	.2130	3 3/4	15541
7/32		.2187	3 3/4	15542
	2	.2210	3 7/8	15543
	1	.2280	3 7/8	15544
15/64		.2344	3 7/8	15546
1/4	E	.2500	4	15550
17/64		.2656	4 1/8	15554
9/32		.2812	4 1/4	15559
19/64		.2969	4 3/8	15562
5/16		.3125	4 1/2	15564
21/64		.3281	4 5/8	15567
11/32		.3437	4 3/4	15570
23/64		.3594	4 7/8	15573
3/8		.3750	5	15575
25/64		.3906	5 1/8	15578
	Y	.4040	5 1/4	15580*
13/32		.4062	5 1/4	15581
	Z	.4130	5 1/4	15582*
27/64		.4219	5 3/8	15583
7/16		.4375	5 1/2	15584
29/64		.4531	5 5/8	15585
15/32		.4687	5 3/4	15586
31/64		.4844	5 7/8	15587
1/2		.5000	6	15588

*Available While Supplies Last

Cobalt - Metric Jobber Length Drills

Foret au cobalt

Broca de cobalto



Drills

Straight Shank - Cobalt

135° Split Point - Heavy Duty

Sizes 1.5mm and smaller furnished with 135° regular point.

Heavy duty construction. Cobalt steel offers increased hardness, toughness, wear resistance and heat resistance. Recommended for drilling tough, high tensile strength materials that generate higher cutting temperatures including high alloy steels, ferrous castings, titanium, inconel, stainless steels and other difficult-to-drill materials.

List No. 2345 NAS-907 Aircraft, Type J

STANDARD PACKAGE .90 mm thru 9.5 mm - 12 each
9.6 mm thru 13.0 mm - 6 each

STANDARD PACKAGE							STANDARD PACKAGE						
SIZE MM	DEC. EQUIV.	FLUTE LENGTH		OAL		EDP NO.	SIZE MM	DEC. EQUIV.	FLUTE LENGTH		OAL		EDP NO.
		MM	IN.	MM	IN.				MM	IN.	MM	IN.	
.90	.0354	16	5/8	38	1 1/2	17600	5.80	.2283	67	2 5/8	98	3 7/8	17652
.95	.0374	16	5/8	38	1 1/2	17601	5.90	.2323	67	2 5/8	98	3 7/8	17653
1.00	.0394	17	11/16	41	1 5/8	17602	6.00	.2362	70	2 3/4	102	4	17654
1.05	.0413	17	11/16	41	1 5/8	17603	6.10	.2402	70	2 3/4	102	4	17655
1.10	.0433	19	3/4	44	1 3/4	17604	6.20	.2441	70	2 3/4	102	4	17656
1.20	.0472	22	7/8	48	1 7/8	17605	6.30	.2480	70	2 3/4	102	4	17657
1.30	.0512	22	7/8	48	1 7/8	17606	6.40	.2520	73	2 7/8	105	4 1/8	17658
1.40	.0551	22	7/8	48	1 7/8	17607	6.50	.2559	73	2 7/8	105	4 1/8	17659
1.50	.0591	22	7/8	48	1 7/8	17608	6.60	.2598	73	2 7/8	105	4 1/8	17660
1.60	.0630	22	7/8	48	1 7/8	17609	6.70	.2638	73	2 7/8	105	4 1/8	17661
1.70	.0669	25	1	51	2	17610	6.80	.2677	73	2 7/8	105	4 1/8	17662
1.80	.0709	25	1	51	2	17611	6.90	.2717	73	2 7/8	105	4 1/8	17663
1.90	.0748	25	1	51	2	17612	7.00	.2756	73	2 7/8	105	4 1/8	17664
2.00	.0787	25	1	51	2	17613	7.10	.2795	75	2 61/64	108	4 1/4	17665
2.05	.0807	29	1 5/32	54	2 1/8	17614	7.20	.2835	75	2 61/64	108	4 1/4	17666
2.10	.0827	29	1 5/32	54	2 1/8	17615	7.30	.2874	75	2 61/64	108	4 1/4	17667
2.20	.0866	32	1 1/4	57	2 1/4	17616	7.40	.2913	78	3	111	4 3/8	17668
2.30	.0906	32	1 1/4	57	2 1/4	17617	7.50	.2953	78	3	111	4 3/8	17669
2.40	.0945	35	1 3/8	60	2 23/64	17618	7.60	.2992	78	3	111	4 3/8	17670
2.50	.0984	35	1 3/8	60	2 23/64	17619	7.70	.3031	81	3 3/16	114	4 1/2	17671
2.60	.1024	37	1 15/32	64	2 1/2	17620	7.80	.3071	81	3 3/16	114	4 1/2	17672
2.70	.1063	37	1 15/32	64	2 1/2	17621	7.90	.3110	81	3 3/16	114	4 1/2	17673
2.80	.1102	38	1 1/2	67	2 5/8	17622	8.00	.3150	81	3 3/16	114	4 1/2	17674
2.90	.1142	41	1 5/8	70	2 3/4	17623	8.10	.3189	84	3 5/16	117	4 9/16	17675
3.00	.1181	41	1 5/8	70	2 3/4	17624	8.20	.3228	84	3 5/16	117	4 9/16	17676
3.10	.1220	41	1 5/8	70	2 3/4	17625	8.30	.3268	84	3 5/16	117	4 9/16	17677
3.20	.1260	41	1 5/8	70	2 3/4	17626	8.40	.3307	87	3 27/64	121	4 3/4	17678
3.30	.1299	45	1 3/4	73	2 7/8	17627	8.50	.3346	87	3 27/64	121	4 3/4	17679
3.40	.1339	45	1 3/4	73	2 7/8	17628	8.60	.3386	87	3 27/64	121	4 3/4	17680
3.50	.1378	45	1 3/4	73	2 7/8	17629	8.70	.3425	87	3 27/64	121	4 3/4	17681
3.60	.1417	48	1 7/8	76	3	17630	8.80	.3465	89	3 1/2	124	4 7/8	17682
3.70	.1457	48	1 7/8	76	3	17631	8.90	.3504	89	3 1/2	124	4 7/8	17683
3.80	.1496	48	1 7/8	76	3	17632	9.00	.3543	89	3 1/2	124	4 7/8	17684
3.90	.1535	51	2	79	3 1/8	17633	9.10	.3583	89	3 1/2	124	4 7/8	17685
4.00	.1575	54	2 1/8	83	3 1/4	17634	9.20	.3622	92	3 5/8	127	5	17686
4.10	.1614	54	2 1/8	83	3 1/4	17635	9.30	.3661	92	3 5/8	127	5	17687
4.20	.1654	54	2 1/8	83	3 1/4	17636	9.40	.3701	92	3 5/8	127	5	17688
4.30	.1693	54	2 1/8	83	3 1/4	17637	9.50	.3740	92	3 5/8	127	5	17689
4.40	.1732	56	2 13/64	86	3 3/8	17638	9.60	.3780	95	3 3/4	130	5 1/8	17690
4.50	.1772	56	2 13/64	86	3 3/8	17639	9.70	.3819	95	3 3/4	130	5 1/8	17691
4.60	.1811	56	2 13/64	86	3 3/8	17640	9.80	.3858	95	3 3/4	130	5 1/8	17692
4.70	.1850	59	2 21/64	89	3 1/2	17641	10.00	.3937	95	3 3/4	130	5 1/8	17693
4.80	.1890	59	2 21/64	89	3 1/2	17642	10.20	.4016	98	3 55/64	133	5 1/4	17694
4.90	.1929	62	2 7/16	92	3 5/8	17643	10.50	.4134	98	3 55/64	133	5 1/4	17695
5.00	.1969	62	2 7/16	92	3 5/8	17644	10.80	.4252	103	4 1/16	140	5 1/2	17696
5.10	.2008	62	2 7/16	92	3 5/8	17645	11.00	.4331	103	4 1/16	140	5 1/2	17697
5.20	.2047	64	2 1/2	95	3 3/4	17646	11.20	.4409	106	4 7/32	143	5 5/8	17698
5.30	.2087	64	2 1/2	95	3 3/4	17647	11.50	.4528	106	4 7/32	143	5 5/8	17699
5.40	.2126	64	2 1/2	95	3 3/4	17648	11.80	.4646	110	4 11/32	146	5 3/4	17700
5.50	.2165	64	2 1/2	95	3 3/4	17649	12.00	.4724	111	4 3/8	149	5 7/8	17701
5.60	.2205	67	2 5/8	98	3 7/8	17650	12.20	.4803	111	4 3/8	149	5 7/8	17702
5.70	.2244	67	2 5/8	98	3 7/8	17651	12.50	.4921	114	4 1/2	152	6	17703
							13.00	.5118	114	4 1/2	152	6	17704

Cobalt — Aircraft Type J Jobber Length Drills

Straight Shank — Cobalt
135° Split Point — Heavy Duty

Sizes #53 and smaller furnished with 135° Regular Point

Heavy duty construction. Cobalt steel offers increased hardness, toughness, wear resistance and heat resistance. Recommended for drilling tough, high tensile strength materials that generate higher cutting temperatures including high alloy steels, ferrous castings, titanium, inconel, stainless steels and other difficult-to-drill materials.

Foret au cobalt

Broca de cobalto



List No. 2330 Fractional
List No. 2332 Letter
List No. 2340 Wire Gage
NAS-907, Type J

STANDARD PACKAGE Fractional Sizes
3/64" thru 3/8" — 12 each
25/64" thru 1/2" — 6 each

Letter Sizes Wire Gage Sizes
A thru V — 12 each #1 thru #60 — 12 each
W thru Z — 6 each

SIZE					
FRAC-TIONAL	WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
	60	.0400	1 1/16	1 5/8	17101
	59	.0410	1 1/16	1 5/8	17102
	58	.0420	1 1/16	1 5/8	17103
	57	.0430	3/4	1 3/4	17104
	56	.0465	3/4	1 3/4	17105
3/64		.0469	3/4	1 3/4	17106
	55	.0520	7/8	1 7/8	17107
	54	.0550	7/8	1 7/8	17108
	53	.0595	7/8	1 7/8	17109
1/16		.0625	7/8	1 7/8	17110
	52	.0635	7/8	1 7/8	17111
	51	.0670	1	2	17112
	50	.0700	1	2	17113
	49	.0730	1	2	17114
	48	.0760	1	2	17115
5/64		.0781	1	2	17116
	47	.0785	1	2	17117
	46	.0810	1 1/8	2 1/8	17118
	45	.0820	1 1/8	2 1/8	17119
	44	.0860	1 1/8	2 1/8	17120
	43	.0890	1 1/4	2 1/4	17121
	42	.0935	1 1/4	2 1/4	17122
3/32		.0937	1 1/4	2 1/4	17123
	41	.0960	1 3/8	2 3/8	17124
	40	.0980	1 3/8	2 3/8	17125
	39	.0995	1 3/8	2 3/8	17126
	38	.1015	1 7/16	2 1/2	17127
	37	.1040	1 7/16	2 1/2	17128
	36	.1065	1 7/16	2 1/2	17129
7/64		.1094	1 1/2	2 5/8	17130
	35	.1100	1 1/2	2 5/8	17131
	34	.1110	1 1/2	2 5/8	17132
	33	.1130	1 1/2	2 5/8	17133
	32	.1160	1 5/8	2 3/4	17134
	31	.1200	1 5/8	2 3/4	17135
1/8		.1250	1 5/8	2 3/4	17136
	30	.1285	1 5/8	2 3/4	17137
	29	.1360	1 3/4	2 7/8	17138
	28	.1405	1 3/4	2 7/8	17139
9/64		.1406	1 3/4	2 7/8	17140
	27	.1440	1 7/8	3	17141
	26	.1470	1 7/8	3	17142
	25	.1495	1 7/8	3	17143
	24	.1520	2	3 1/8	17144
	23	.1540	2	3 1/8	17145
5/32		.1562	2	3 1/8	17146
	22	.1570	2	3 1/8	17147
	21	.1590	2 1/8	3 1/4	17148
	20	.1610	2 1/8	3 1/4	17149
	19	.1660	2 1/8	3 1/4	17150
	18	.1695	2 1/8	3 1/4	17151

SIZE					
FRAC-TIONAL	WIRE & LETTER	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
1 1/64		.1719	2 1/8	3 1/4	17152
	17	.1730	2 3/16	3 3/8	17153
	16	.1770	2 3/16	3 3/8	17154
	15	.1800	2 3/16	3 3/8	17155
	14	.1820	2 3/16	3 3/8	17156
3/16		.1850	2 5/16	3 1/2	17157
	13	.1875	2 5/16	3 1/2	17158
	12	.1890	2 5/16	3 1/2	17159
	11	.1910	2 5/16	3 1/2	17160
	10	.1935	2 7/16	3 5/8	17161
	9	.1960	2 7/16	3 5/8	17162
	8	.1990	2 7/16	3 5/8	17163
1 3/64		.2010	2 7/16	3 5/8	17164
	7	.2031	2 7/16	3 5/8	17165
	6	.2040	2 1/2	3 3/4	17166
	5	.2055	2 1/2	3 3/4	17167
	4	.2090	2 1/2	3 3/4	17168
	3	.2130	2 1/2	3 3/4	17169
7/32		.2187	2 1/2	3 3/4	17170
	2	.2210	2 5/8	3 7/8	17171
	1	.2280	2 5/8	3 7/8	17172
	A	.2340	2 5/8	3 7/8	17173
1 5/64		.2344	2 5/8	3 7/8	17174
	B	.2380	2 3/4	4	17175
	C	.2420	2 3/4	4	17176
	D	.2460	2 3/4	4	17177
1/4		.2500	2 3/4	4	17178
	E	.2570	2 7/8	4 1/8	17180
	F	.2610	2 7/8	4 1/8	17181
1 7/64		.2656	2 7/8	4 1/8	17182
	H	.2660	2 7/8	4 1/8	17183
	I	.2720	2 7/8	4 1/8	17184
	J	.2770	2 7/8	4 1/8	17185
	K	.2810	2 15/16	4 1/4	17186
9/32		.2812	2 15/16	4 1/4	17187
	L	.2900	2 15/16	4 1/4	17188
	M	.2950	3 1/16	4 3/8	17189
1 9/64		.2969	3 1/16	4 3/8	17190
	N	.3020	3 1/16	4 3/8	17191
5/16		.3125	3 3/16	4 1/2	17192
	O	.3160	3 3/16	4 1/2	17193
	P	.3230	3 5/16	4 5/8	17194
2 1/64		.3281	3 5/16	4 5/8	17195
	Q	.3320	3 7/16	4 3/4	17196
	R	.3390	3 7/16	4 3/4	17197
1 1/32		.3437	3 7/16	4 3/4	17198
	S	.3480	3 1/2	4 7/8	17199
	T	.3580	3 1/2	4 7/8	17200
2 3/64		.3594	3 1/2	4 7/8	17201
	U	.3680	3 5/8	5	17202

(continued)

Cobalt — Aircraft Type J Jobber Length Drills (continued)

List Nos. 2330 and 2332

SIZE		DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
FRAC-TIONAL	LETTER				
3/8	V	.3750	3 5/8	5	17203
		.3770	3 5/8	5	17204
	W	.3860	3 3/4	5 1/8	17205
25/64	X	.3906	3 3/4	5 1/8	17206
		.3970	3 3/4	5 1/8	17207
	Y	.4040	3 7/8	5 1/4	17208
13/32		.4062	3 7/8	5 1/4	17209

Foret au cobalt

Broca de cobalto

SIZE		DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
FRAC-TIONAL	LETTER				
27/64	Z	.4130	3 7/8	5 1/4	17210
		.4219	3 15/16	5 3/8	17211
7/16		.4375	4 1/16	5 1/2	17212
29/64		.4531	4 3/16	5 5/8	17213
15/32		.4687	4 5/16	5 3/4	17214
31/64		.4844	4 3/8	5 7/8	17215
1/2		.5000	4 1/2	6	17216

Carbide Tipped Jobber Length Drills

Heavy duty construction. Excellent wear resistance. Recommended for drilling cast iron, non-ferrous metals, composites, hard plastics, fiberglass and other abrasive non-ferrous materials.

NOT FOR USE IN STEEL.

SIZE		WIRE GAGE	DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
FRAC-TIONAL	LETTER					
1/8		30	.1250	1 5/8	2 3/4	50358
		29	.1285	1 5/8	2 3/4	50359
		28	.1360	1 3/4	2 7/8	50360
9/64		27	.1405	1 3/4	2 7/8	50361
		26	.1406	1 3/4	2 7/8	50362
		27	.1440	1 7/8	3	50363
		26	.1470	1 7/8	3	50364
		25	.1495	1 7/8	3	50365
5/32		24	.1520	2	3 1/8	50366
		23	.1540	2	3 1/8	50367
		22	.1562	2	3 1/8	50368
			.1570	2	3 1/8	50369
		21	.1590	2 1/8	3 1/4	50370
1 1/64		20	.1610	2 1/8	3 1/4	50371
		19	.1660	2 1/8	3 1/4	50372
		18	.1695	2 1/8	3 1/4	50373
		17	.1719	2 1/8	3 1/4	50374
			.1730	2 3/16	3 3/8	50375
3/16		16	.1770	2 3/16	3 3/8	50376
		15	.1800	2 3/16	3 3/8	50377
		14	.1820	2 3/16	3 3/8	50378
		13	.1850	2 5/16	3 1/2	50379
		13/64		12	.1875	2 5/16
11	.1890			2 5/16	3 1/2	50381
10	.1910			2 5/16	3 1/2	50382
9	.1935			2 7/16	3 5/8	50383
8	.1960			2 7/16	3 5/8	50384
7/32		7	.1990	2 7/16	3 5/8	50385
		6	.2010	2 7/16	3 5/8	50386
			.2031	2 7/16	3 5/8	50387
		5	.2040	2 1/2	3 3/4	50388
		4	.2055	2 1/2	3 3/4	50389
15/64		3	.2090	2 1/2	3 3/4	50390
		2	.2130	2 1/2	3 3/4	50391
			.2187	2 1/2	3 3/4	50392
		1	.2210	2 5/8	3 7/8	50393
		A	.2280	2 5/8	3 7/8	50394
.2340	2 5/8		3 7/8	50395		
15/64		.2344	2 5/8	3 7/8	50396	

Foret à pointe au carbure

Broca con punta de carburo



List No. 5330

118° Point

STANDARD PACKAGE All sizes — 1 each

SIZE		DEC. EQUIV.	FLUTE LENGTH	OAL	EDP NO.
FRAC-TIONAL	LETTER				
1/4	B	.2380	2 3/4	4	50397
	C	.2420	2 3/4	4	50398
	D	.2460	2 3/4	4	50399
	E	.2500	2 3/4	4	50401
17/64	F	.2570	2 7/8	4 1/8	50402
	G	.2610	2 7/8	4 1/8	50403
	H	.2656	2 7/8	4 1/8	50404
	I	.2660	2 7/8	4 1/8	50405
9/32	J	.2720	2 7/8	4 1/8	50406
	K	.2770	2 7/8	4 1/8	50407
	L	.2810	2 15/16	4 1/4	50408
		.2812	2 15/16	4 1/4	50409
19/64	M	.2900	2 15/16	4 1/4	50410
	N	.2950	3 1/16	4 3/8	50411
		.2969	3 1/16	4 3/8	50412
	5/16	O	.3020	3 1/16	4 3/8
.3125			3 3/16	4 1/2	50414
P		.3160	3 3/16	4 1/2	50415
		.3230	3 5/16	4 5/8	50416
11/32	21/64	.3281	3 5/16	4 5/8	50417
		.3320	3 7/16	4 3/4	50418
	R	.3390	3 7/16	4 3/4	50419
		.3437	3 7/16	4 3/4	50420
23/64	S	.3480	3 1/2	4 7/8	50421
		.3580	3 1/2	4 7/8	50422
	U	.3594	3 1/2	4 7/8	50423
		.3680	3 5/8	5	50424
3/8	V	.3750	3 5/8	5	50425
		.3770	3 5/8	5	50426
	W	.3860	3 3/4	5 1/8	50427
		.3906	3 3/4	5 1/8	50428
25/64	X	.3970	3 3/4	5 1/8	50429
		.4040	3 7/8	5 1/4	50430
	Y	.4062	3 7/8	5 1/4	50431
		.4130	3 7/8	5 1/4	50432
13/32	Z	.4219	3 15/16	5 3/8	50433
		.4375	4 1/16	5 1/2	50434
	29/64	.4531	4 3/16	5 5/8	50435
		.4687	4 5/16	5 3/4	50436
31/64	.4844	4 3/8	5 7/8	50437	
	.5000	4 1/2	6	50438	