

CARBIDE TIPPED MASONRY DRILLS & CENTRE DRILLS



- Straight shank
- Rotary



■ CARBIDE TIPPED MASONRY DRILLS				■ CARBIDE TIPPED MASONRY DRILLS			
Size (in)	Shank Size (in)	Code No.	Price \$	Size (in)	Shank Size (in)	Code No.	Price \$
4" OVERALL LENGTH				12" OVERALL LENGTH			
1/8 (3" OAL)	1/8	116-178	5.30	1/8	1/8	116-209	13.00
5/32 (3" OAL)	5/32	116-179	5.50	3/16	3/16	116-210	13.30
11/64 (3" OAL)	11/64	116-180	5.50	1/4	1/4	116-211	13.50
3/16	3/16	116-181	5.60	5/16	1/4	116-212	14.30
7/32	7/32	116-182	5.80	3/8	1/4	116-213	16.10
1/4	1/4	116-183	5.90	7/16	3/8	116-214	19.30
9/32	1/4	116-184	6.00	1/2	3/8	116-215	19.70
5/16	1/4	116-185	6.10	9/16	1/2	116-216	22.30
3/8	1/4	116-186	6.70	5/8	1/2	116-217	24.60
1/2	1/4	116-187	7.60	11/16	1/2	116-218	28.90
6" OVERALL LENGTH				18" OVERALL LENGTH			
1/8	1/8	116-188	5.50	3/4	1/2	116-219	29.60
3/16	3/16	116-189	5.70	7/8	1/2	116-220	35.10
1/4	1/4	116-190	5.90	1	1/2	116-221	40.50
9/32	1/4	116-191	6.60	1-1/8	1/2	116-222	50.80
5/16	1/4	116-192	6.90	18" OVERALL LENGTH			
3/8	1/4	116-193	7.00	1/4	1/4	116-223	18.50
7/16	1/4	116-194	7.50	3/16	3/16	116-224	19.50
7/16	3/8	116-195	7.50	5/16	1/4	116-225	20.80
1/2	1/4	116-196	8.10	3/8	5/16	116-226	22.30
1/2	3/8	116-197	8.10	7/16	3/8	116-227	26.70
9/16	3/8	116-198	11.20	1/2	3/8	116-228	27.30
9/16	1/2	116-199	11.20	9/16	1/2	116-229	31.40
5/8	1/2	116-200	13.10	5/8	1/2	116-230	33.30
11/16	1/2	116-201	14.20	11/16	1/2	116-231	38.90
3/4	1/2	116-202	15.40	3/4	1/2	116-232	39.80
7/8	1/2	116-203	19.50	7/8	1/2	116-233	48.10
1	1/2	116-204	23.90	1	1/2	116-234	54.50
1-1/8	1/2	116-205	34.30	1-1/8	1/2	116-235	77.60
1-1/4	1/2	116-206	44.60	1-1/4	1/2	116-236	82.30
1-3/8	1/2	116-207	60.10	1-1/2	1/2	116-237	106.30
1-1/2	1/2	116-208	61.70				



**MICROGRAIN
carbide**



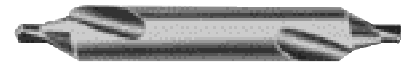
Regular Length

■ SOLID CARBIDE CENTRE DRILLS						
Catalog No.	Body Dia.	Drill Dia.	Overall Length	Code No.	Price \$	
1	1/8	3/64	1-1/4	170-700	18.90	
2	3/16	5/64	1-7/8	170-702	29.40	
3	1/4	7/64	2	170-704	35.10	
4	5/16	1/8	2-1/8	170-706	48.10	
5	7/16	3/16	2-3/4	170-708	72.90	
6	1/2	7/32	3	170-710	99.50	

Regular Length

- Plain type
- 60° point

**QUALITY
IMPORT**



hss

COMBINED DRILLS AND COUNTERSINKS							
Catalog No.	Body Dia.	Drill Dia.	Drill Length	Overall Length	Bell Dia.	Code No.	Price \$
1	1/8	3/64	3/64	1-1/4		125-280	2.20
2	3/16	5/64	5/64	1-7/8		125-281	2.20
3	1/4	7/64	7/64	2		125-282	2.20
4	5/16	1/8	1/8	2-1/8		125-283	2.20
5	7/16	3/16	3/16	2-3/4		125-284	5.30
6	1/2	7/32	7/32	3		125-285	8.20
7	5/8	1/4	1/4	3-1/4		125-286	14.70
8	3/4	5/16	5/16	3-1/2		125-287	14.20
BELL TYPE							
11	1/8	3/64	3/64	1-1/4		125-291	4.80
12	3/16	1/16	1/16	1-7/8	.150	125-292	4.80
13	1/4	3/32	3/32	2	.200	125-293	4.80
14	5/16	7/64	7/64	2-1/8	.250	125-294	4.80
15	7/16	5/32	5/32	2-3/4	.350	125-295	9.30
16	1/2	3/16	3/16	3	.400	125-296	13.90
17	5/8	7/32	7/32	3-1/4	.500	125-297	18.30
18	3/4	1/4	1/4	3-1/2	.600	125-298	24.50

Long Series

- Right hand
- 60° point

**QUALITY
IMPORT**



hss

COMBINED DRILLS AND COUNTERSINKS							
Size	Body Dia.	Drill Dia.	Drill Length	Overall Length	Comb. Code No.	Price \$	
1	1/8	3/64	3/64	3	125-351	12.00	
1	1/8	3/64	3/64	4	125-352	12.90	
1	1/8	3/64	3/64	5	125-353	14.90	
1	1/8	3/64	3/64	6	125-354	19.60	
2	3/16	5/64	5/64	4	125-355	14.10	
2	3/16	5/64	5/64	5	125-356	16.30	
2	3/16	5/64	5/64	6	125-357	20.80	
3	1/4	7/64	7/64	4	125-358	19.20	
3	1/4	7/64	7/64	5	125-359	18.90	
3	1/4	7/64	7/64	6	125-360	21.40	
4	5/16	1/8	1/8	4	125-361	16.00	
4	5/16	1/8	1/8	5	125-362	20.10	
4	5/16	1/8	1/8	6	125-363	23.30	
4-1/2	3/8	9/64	9/64	4	125-364	17.60	
4-1/2	3/8	9/64	9/64	5	125-365	20.50	
4-1/2	3/8	9/64	9/64	6	125-366	24.30	
5	7/16	3/16	3/16	4	125-367	19.20	
5	7/16	3/16	3/16	5	125-368	20.80	
5	7/16	3/16	3/16	6	125-369	25.50	
6	1/2	7/32	7/32	5	125-370	23.60	
6	1/2	7/32	7/32	6	125-371	28.30	
7	5/8	1/4	1/4	5	125-372	30.50	
7	5/8	1/4	1/4	6	125-373	54.20	
8	3/4	5/16	5/16	6	125-374	59.50	

COMBINED DRILLS & COUNTERSINKS



Plain Type

- 60° countersink
- High speed steel
- Cobalt
- Solid carbide

COMBINED DRILLS AND COUNTERSINKS									
Size	Body Dia. (in)	Drill Dia./ Length (in)	Overall Length (in)	HSS Code No.	Price \$	Cobalt Code No.	Price \$	Solid Carbide Code No.	Price \$
PLAIN TYPE - 60° COUNTERSINK ANGLE									
1	1/8	3/64	1-1/4	116-238	5.30	116-248	15.60	116-256	24.90
2	3/16	5/64	1-7/8	116-239	5.30	116-249	15.90	116-257	39.00
3	1/4	7/64	2	116-240	5.30	116-250	16.60	116-258	46.50
4	5/16	1/8	2-1/8	116-241	5.50	116-251	17.20	116-259	63.70
5	7/16	3/16	2-3/4	116-242	8.10	116-252	31.80	116-260	96.50
6	1/2	7/32	3	116-243	12.10	116-253	42.70	116-261	140.20
7	5/8	1/4	3-1/4	116-244	17.60	116-254	55.20	-	-
8	3/4	5/16	3-1/2	116-245	24.40	116-255	78.70	-	-
9	7/8	11/32	3-5/8	116-246	45.80	-	-	-	-
10	1	3/8	3-3/4	116-247	59.80	-	-	-	-

Bell Type

- 60° countersink
- High speed steel
- Cobalt



COMBINED DRILLS AND COUNTERSINKS								
Size	Body Dia. (in)	Drill Dia./ Length (in)	Overall Length (in)	Bell Dia. (in)	HSS Code No.	Price \$	Cobalt Code No.	Price \$
BELL TYPE, 60° COUNTERSINK ANGLE								
11	1/8	3/64	1-1/4	0.1000	116-262	7.00	116-272	21.20
12	3/16	1/16	1-7/8	0.1500	116-263	7.00	116-273	22.30
13	1/4	3/32	2	0.2000	116-264	7.30	116-274	21.80
14	5/16	7/64	2-1/8	0.2500	116-265	7.30	116-275	26.70
15	7/16	5/32	2-3/4	0.3500	116-266	11.90	116-276	31.10
16	1/2	3/16	3	0.4000	116-267	15.90	116-277	43.50
17	5/8	7/32	3-1/4	0.5000	116-268	22.40	116-278	64.40
18	3/4	1/4	3-1/2	0.6000	116-269	31.00	116-279	80.80
19	7/8	5/16	3-5/8	0.7000	116-270	57.89	-	-
20	1	3/8	3-3/4	0.8000	116-271	59.40	-	-

Long Series

- High speed steel



COMBINED DRILLS AND COUNTERSINKS					
Size	Body Dia. (in)	Drill Dia. (in)	Overall Length (in)	Code No.	Price
LONG SERIES					
1	1/8	3/64	3	116-280	18.80
1	1/8	3/64	4	116-281	19.70
1	1/8	3/64	5	116-282	26.40
1	1/8	3/64	6	116-283	35.30
2	3/16	5/64	4	116-284	21.60
2	3/16	5/64	5	116-285	27.30
2	3/16	5/64	6	116-286	35.30
3	1/4	7/64	4	116-287	22.70
3	1/4	7/64	5	116-288	29.90
3	1/4	7/64	6	116-289	35.30
4	5/16	1/8	4	116-290	24.80
4	5/16	1/8	5	116-291	31.80

Size	Body Dia. (in)	Drill Dia. (in)	Overall Length (in)	Code No.	Price
LONG SERIES					
4	5/16	1/8	6	116-292	36.80
4-1/2	3/8	9/64	4	116-294	27.90
4-1/2	3/8	9/64	5	116-295	34.10
4-1/2	3/8	9/64	6	116-296	38.90
5	7/16	3/16	4	116-297	32.00
5	7/16	3/16	5	116-298	36.50
5	7/16	3/16	6	116-299	40.90
6	1/2	7/32	5	116-300	38.40
6	1/2	7/32	6	116-301	46.40
7	5/8	1/4	6	116-302	85.50
8	3/4	5/16	6	116-305	93.30


Metric Sizes
Plain Type

- High speed steel
- 60° countersink

COMBINED DRILLS AND COUNTERSINKS					
Drill		Overall			
Size	Dia. (in)	Body Dia.	Length (in)	Code No.	Price \$
METRIC SERIES					
.50 *	.0197	1/8	13/16	116-306	14.50
.80 *	.0315	1/8	13/16	116-307	13.50
1.00	.0394	1/8	1-1/4	116-308	11.90
1.25	.0492	1/8	1-1/4	116-309	11.90
1.60	.0630	5/32	1-5/16	116-310	11.30
2.00	.0787	.1969	1-9/16	116-311	12.60

•Single End



- High speed steel

MISSILE AND AIRCRAFT SERIES						
Size	Body Dia. (in)	Drill Dia. (in)	Drill Length (in)	Overall Length (in)	Code No.	Price \$
000	1/8	0.020	0.02	1-1/4	116-318	6.20
00	1/8	0.025	0.025	1-1/4	116-319	6.20
0	1/8	1/32	1/32	1-1/4	116-320	6.20

These drills are used for centre drilling hardened high speed steel in the range up to 65R

- 120° point
- 60° countersink



CARBIDE TIPPED COMBINED DRILL AND COUNTERSINKS					
Size	Body Dia. (in)	Drill Dia. (in)	Overall Length (in)	Code No.	Price \$
4-1	5/16	3/32	2-1/8	116-321	88.80
4-2	5/16	1/8	2-1/8	116-322	88.80
6-1	1/2	7/32	3	116-323	113.30
6-2	1/2	9/32	3	116-324	113.30

To provide greater rigidity, these drills are made with short overall and flute lengths.

- Right hand
- 118° point
- Left hand
- 118° point



SPOTTING AND CENTERING DRILLS							
Size	Dec. Equiv.	Flute Length	Overall Length	Right Hand Code No.	Price \$	Left Hand Code No.	Price \$
3/8	.3750	1	2	116-325	10.20	116-336	17.80
7/16	.4375	1	2	116-326	16.60	116-337	24.10
1/2	.5000	1	2	116-327	17.90	116-338	25.90
5/8	.6250	1-1/8	2-1/4	116-328	28.30	116-339	40.40
3/4	.7500	1-1/8	2-1/4	116-329	40.40	116-340	56.10
7/8	.8750	1-1/4	2-1/2	116-330	57.90	116-341	79.30
1	1.0000	1-1/4	2-1/2	116-331	65.00	116-342	85.10
1-1/4	1.2500	2	4	116-332	129.40	116-343	194.00
1-1/2	1.5000	2-1/2	5	116-333	201.80	116-344	272.60
1-3/4	1.7500	2-3/4	5-1/2	116-334	305.20	116-345	410.10
2	2.000	3	6	116-335	362.10	-	-