

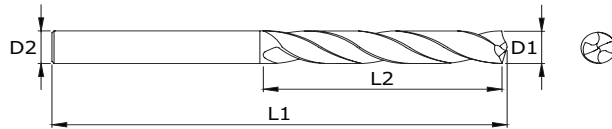


Solid Carbide Drills

Economy Range - F224 Series

5X

Solid carbide jobber drill



P0-P6

K1-K3

M1-M3

N1-N7

Unit : mm

Diameter	EDP No	Flute Length	Overall Length	Shank Diameter
ØD1		L2	L1	ØD2
3	FBJ0500001	33	61	3
3.1	FBJ0500003	36	65	3.1
3.2	FBJ0500005	36	65	3.2
3.3	FBJ0500007	36	65	3.3
3.4	FBJ0500009	39	70	3.4
3.5	FBJ0500011	39	70	3.5
3.6	FBJ0500013	39	70	3.6
3.7	FBJ0500015	39	70	3.7
3.8	FBJ0500017	43	75	3.8
3.9	FBJ0500019	43	75	3.9
4	FBJ0500021	43	75	4
4.1	FBJ0500023	43	75	4.1
4.2	FBJ0500025	43	75	4.2
4.3	FBJ0500027	47	80	4.3
4.4	FBJ0500029	47	80	4.4
4.5	FBJ0500031	47	80	4.5
4.6	FBJ0500033	47	80	4.6
4.7	FBJ0500035	47	80	4.7

Diameter	EDP No	Flute Length	Overall Length	Shank Diameter
ØD1		L2	L1	ØD2
4.8	FBJ0500037	52	86	4.8
4.9	FBJ0500039	52	86	4.9
5	FBJ0500041	52	86	5
5.1	FBJ0500043	52	86	5.1
5.2	FBJ0500045	52	86	5.2
5.3	FBJ0500047	52	86	5.3
5.4	FBJ0500049	57	93	5.4
5.5	FBJ0500051	57	93	5.5
5.6	FBJ0500053	57	93	5.6
5.7	FBJ0500055	57	93	5.7
5.8	FBJ0500057	57	93	5.8
5.9	FBJ0500059	57	93	5.9
6	FBJ0500061	57	93	6
6.1	FBJ0500063	63	101	6.1
6.2	FBJ0500065	63	101	6.2
6.3	FBJ0500067	63	101	6.3
6.4	FBJ0500069	63	101	6.4

Tensile strength: N/mm² | Hardness: HRC

P0	P1	P2	P3	P4	P5	P6	M1	M2	M3	K1	K2	K3
<530	<530	<530	600-850	850-1400	600-900	900-1350	<600	600-800	<800	125-500	<600	>600
-	-	<25	<35	35-48	<35	35-48	-	<25	<30	<32	<28	<43

N1	N2	N3	N4	N5	N6	N7	S1-Fe Based	S2-Co Based	S3-Ni Based	S4-Ti Based	H1	H2	H3	H4
Wrought Al	Si<12.2%	Si>12.2%	Cu, Zn Alloy	Ny, Pt, Ru, Re, Fg	C, Gr, CFRP, Comp	NMC	500-1200	1000-1500	600-1700	900-1600	-	-	-	-
-	-	-	-	-	-	-	25-48	25-48	<48	33-48	44-48	48-55	56-60	61-70

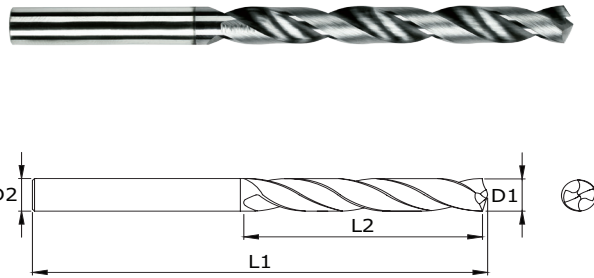


Solid Carbide Drills

Economy Range - F224A Series

5X

Solid carbide jobber drill



P0-P6

K1-K3

M1-M3

N1-N7

Unit : mm

Diameter	EDP No	Flute Length	Overall Length	Shank Diameter
Ø D1		L2	L1	Ø D2
3	FBJ0500002	33	61	3
3.1	FBJ0500004	36	65	3.1
3.2	FBJ0500006	36	65	3.2
3.3	FBJ0500008	36	65	3.3
3.4	FBJ0500010	39	70	3.4
3.5	FBJ0500012	39	70	3.5
3.6	FBJ0500014	39	70	3.6
3.7	FBJ0500016	39	70	3.7
3.8	FBJ0500018	43	75	3.8
3.9	FBJ0500020	43	75	3.9
4	FBJ0500022	43	75	4
4.1	FBJ0500024	43	75	4.1
4.2	FBJ0500026	43	75	4.2
4.3	FBJ0500028	47	80	4.3
4.4	FBJ0500030	47	80	4.4
4.5	FBJ0500032	47	80	4.5
4.6	FBJ0500034	47	80	4.6

Diameter	EDP No	Flute Length	Overall Length	Shank Diameter
Ø D1		L2	L1	Ø D2
4.7	FBJ0500036	47	80	4.7
4.8	FBJ0500038	52	86	4.8
4.9	FBJ0500040	52	86	4.9
5	FBJ0500042	52	86	5
5.1	FBJ0500044	52	86	5.1
5.2	FBJ0500046	52	86	5.2
5.3	FBJ0500048	52	86	5.3
5.4	FBJ0500050	57	93	5.4
5.5	FBJ0500052	57	93	5.5
5.6	FBJ0500054	57	93	5.6
5.7	FBJ0500056	57	93	5.7
5.8	FBJ0500058	57	93	5.8
5.9	FBJ0500060	57	93	5.9
6	FBJ0500062	57	93	6
6.1	FBJ0500064	63	101	6.1
6.2	FBJ0500066	63	101	6.2
6.3	FBJ0500068	63	101	6.3

Tensile strength: N/mm² | Hardness: HRC

P0	P1	P2	P3	P4	P5	P6	M1	M2	M3	K1	K2	K3
<530	<530	<530	600-850	850-1400	600-900	900-1350	<600	600-800	<800	125-500	<600	>600
-	-	<25	<35	35-48	<35	35-48	-	<25	<30	<32	<28	<43

N1	N2	N3	N4	N5	N6	N7	S1-Fe Based	S2-Co Based	S3-Ni Based	S4-Ti Based	H1	H2	H3	H4
Wrought Al	Si<12.2%	Si>12.2%	Cu, Zn Alloy	Ny, Pt, Ru, Re, Fg	C, Gr, CFRP, Comp	NMC	500-1200	1000-1500	600-1700	900-1600	-	-	-	-
-	-	-	-	-	-	-	25-48	25-48	<48	33-48	44-48	48-55	56-60	61-70