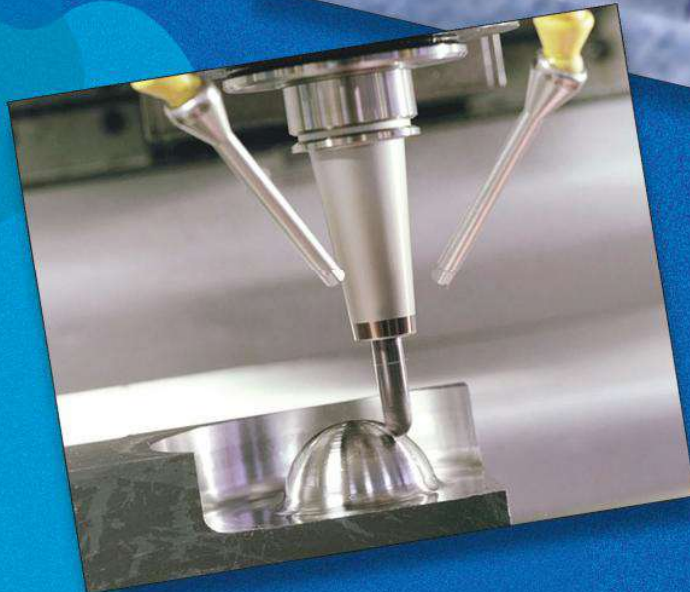
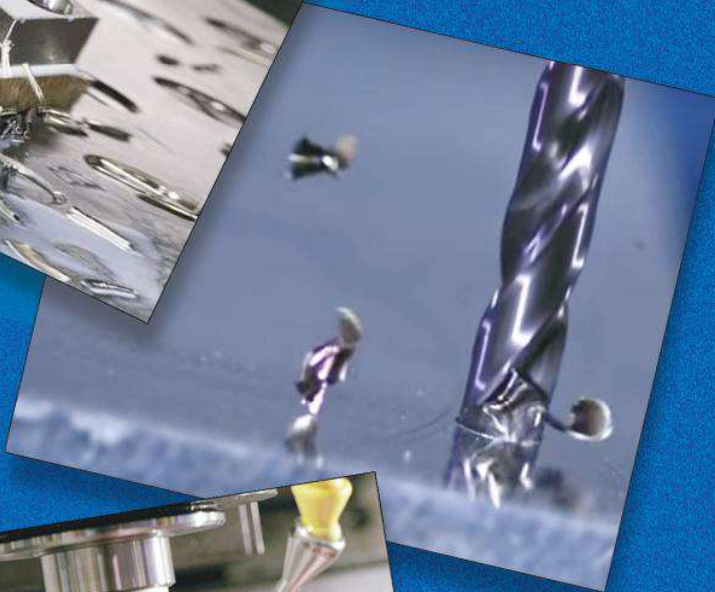




PRICE LIST - MC49

Solid Carbide New Products

With Effective From 15th June 2022



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CENTER DRILL	CENTER DRILL	GP- upto 45HRc
REAMERS	REAMERS	GP- upto 45HRc



SOLID CARBIDE STUB DRILL- K946 SERIES UPTO 45HRc

Item code	Drill Dia	Shank Dia	Flute Length	Overall length	List_Price		Item code	Drill Dia	Shank Dia	Flute Length	Overall length	List_Price	
					Uncoated	Coated						Uncoated	Coated
K94600100	1	1	6	26	953	1068	K94600460	4.6	4.6	24	58	1592	1782
K94600110	1.1	1.1	7	28	953	1068	K94600470	4.7	4.7	24	58	1592	1782
K94600120	1.2	1.2	8	30	953	1068	K94600480	4.8	4.8	26	62	1739	1947
K94600130	1.3	1.3	8	30	953	1068	K94600490	4.9	4.9	26	62	1739	1947
K94600140	1.4	1.4	9	32	953	1068	K94600500	5	5	26	62	1813	2031
K94600150	1.5	1.5	9	32	953	1068	K94600510	5.1	5.1	26	62	1827	2046
K94600160	1.6	1.6	10	34	962	1077	K94600520	5.2	5.2	26	62	1890	2117
K94600170	1.7	1.7	10	34	962	1077	K94600530	5.3	5.3	26	62	1955	2190
K94600180	1.8	1.8	11	36	962	1077	K94600540	5.4	5.4	28	66	2022	2265
K94600190	1.9	1.9	11	36	962	1077	K94600550	5.5	5.5	28	66	1974	2210
K94600200	2	2	12	38	962	1077	K94600560	5.6	5.6	28	66	2109	2363
K94600210	2.1	2.1	12	38	1103	1234	K94600570	5.7	5.7	28	66	2134	2391
K94600220	2.2	2.2	13	40	1103	1234	K94600580	5.8	5.8	28	66	2162	2422
K94600230	2.3	2.3	13	40	1103	1234	K94600590	5.9	5.9	28	66	2183	2444
K94600240	2.4	2.4	14	43	1103	1234	K94600600	6	6	28	66	2117	2371
K94600250	2.5	2.5	14	43	1103	1234	K94600610	6.1	6.1	31	70	2448	2744
K94600260	2.6	2.6	14	43	1174	1315	K94600620	6.2	6.2	31	70	2448	2744
K94600270	2.7	2.7	16	46	1174	1315	K94600630	6.3	6.3	31	70	2448	2744
K94600280	2.8	2.8	16	46	1174	1315	K94600640	6.4	6.4	31	70	2745	3074
K94600290	2.9	2.9	16	46	1174	1315	K94600650	6.5	6.5	31	70	2608	2922
K94600300	3	3	16	46	1174	1315	K94600660	6.6	6.6	31	70	3006	3369
K94600310	3.1	3.1	18	49	1220	1366	K94600670	6.7	6.7	31	70	3159	3537
K94600320	3.2	3.2	18	49	1220	1366	K94600680	6.8	6.8	34	74	3006	3369
K94600330	3.3	3.3	18	49	1220	1366	K94600690	6.9	6.9	34	74	3006	3369
K94600340	3.4	3.4	20	52	1220	1366	K94600700	7	7	34	74	2856	3200
K94600350	3.5	3.5	20	52	1220	1366	K94600710	7.1	7.1	34	74	3284	3677
K94600360	3.6	3.6	20	52	1261	1416	K94600720	7.2	7.2	34	74	3284	3677
K94600370	3.7	3.7	20	52	1320	1480	K94600730	7.3	7.3	34	74	3284	3677
K94600380	3.8	3.8	22	55	1376	1541	K94600740	7.4	7.4	34	74	3447	3862
K94600390	3.9	3.9	22	55	1432	1604	K94600750	7.5	7.5	34	74	3119	3495
K94600400	4	4	22	55	1490	1669	K94600760	7.6	7.6	37	79	3479	3893
K94600410	4.1	4.1	22	55	1509	1690	K94600770	7.7	7.7	37	79	3479	3893
K94600420	4.2	4.2	22	55	1529	1713	K94600780	7.8	7.8	37	79	3479	3893
K94600430	4.3	4.3	24	58	1543	1725	K94600790	7.9	7.9	37	79	3479	3893
K94600440	4.4	4.4	24	58	1571	1757	K94600800	8	8	37	79	3136	3513
K94600450	4.5	4.5	24	58	1592	1782	K94600810	8.1	8.1	37	79	3852	4314

2C00	UNCOATED
2C01	TIN COATED
2C03	TIALN COATED



SOLID CARBIDE STUB DRILL- K946 SERIES UPTO 45HRC

Item code	Drill Dia	Shank Dia	Flute Length	Overall length	List Price	
					Uncoated	Coated
K94600820	8.2	8.2	37	79	3852	4314
K94600830	8.3	8.3	37	79	3852	4314
K94600840	8.4	8.4	37	79	4257	4766
K94600850	8.5	8.5	37	79	3852	4314
K94600860	8.6	8.6	40	84	4599	5153
K94600870	8.7	8.7	40	84	4599	5153
K94600880	8.8	8.8	40	84	4599	5153
K94600890	8.9	8.9	40	84	4599	5153
K94600900	9	9	40	84	4419	4950
K94600910	9.1	9.1	40	84	5253	5882
K94600920	9.2	9.2	40	84	5253	5882
K94600930	9.3	9.3	40	84	5253	5882
K94600940	9.4	9.4	40	84	5512	6177
K94600950	9.5	9.5	40	84	4363	4887
K94600960	9.6	9.6	43	89	5561	6231
K94600970	9.7	9.7	43	89	5561	6231
K94600980	9.8	9.8	43	89	5561	6231
K94600990	9.9	9.9	43	89	6029	6752
K94601000	10	10	43	89	5403	6053
K94601010	10	10.1	43	89	5722	6408
K94601020	10	10.2	43	89	5722	6408
K94601030	10	10.3	43	89	5722	6408
K94601040	10	10.4	43	89	5722	6408
K94601050	11	10.5	43	89	6143	6882
K94601060	11	10.6	43	89	6143	6882
K94601070	11	10.7	47	95	6143	6882
K94601080	11	10.8	47	95	6143	6882
K94601090	11	10.9	47	95	6143	6882
K94601100	11	11	47	95	6354	7117
K94601110	11	11.1	47	95	6354	7117
K94601120	11	11.2	47	95	6354	7117
K94601130	11	11.3	47	95	6354	7117
K94601140	11	11.4	47	95	6354	7117
K94601150	12	11.5	47	95	6783	7713
K94601160	12	11.6	47	95	7628	8540
K94601170	12	11.7	47	95	7628	8540

Item code	Drill Dia	Shank Dia	Flute Length	Overall length	List Price	
					Uncoated	Coated
K94601180	12	11.8	47	95	7628	8540
K94601190	12	11.9	51	102	7628	8540
K94601200	12	12	51	102	7628	8540
K94601210	12	12.1	51	102	7825	8762
K94601220	12	12.2	51	102	7825	8762
K94601230	12	12.3	51	102	7825	8762
K94601240	12	12.4	51	102	7825	8762
K94601250	13	12.5	51	102	7825	8762
K94601260	13	12.6	51	102	10141	11356
K94601270	13	12.7	51	102	10141	11356
K94601280	13	12.8	51	102	10141	11356
K94601290	13	12.9	51	102	10141	11356
K94601300	13	13	51	102	10141	11356
K94601310	13	13.1	51	102	13245	14832
K94601320	13	13.2	51	102	13245	14832
K94601330	13	13.3	54	107	13245	14832
K94601340	13	13.4	54	107	13245	14832
K94601350	14	13.5	54	107	13245	14832
K94601360	14	13.6	54	107	13245	14832
K94601370	14	13.7	54	107	13245	14832
K94601380	14	13.8	54	107	13245	14832
K94601390	14	13.9	54	107	13245	14832
K94601400	14	14	54	107	13245	14832
K94601450	15	14.5	56	111	13050	14585
K94601500	15	15	56	111	13050	14585
K94601550	16	15.5	58	115	13958	15494
K94601600	16	16	58	115	13170	14709
K94601650	17	16.5	60	119	21019	23476
K94601700	17	17	60	119	23681	26137
K94601750	18	17.5	62	123	24564	27021
K94601800	18	18	62	123	25027	27485
K94601850	19	18.5	64	127	27511	29968
K94601900	19	19	64	127	29035	31492
K94601950	20	19.5	66	131	29557	34470
K94602000	20	20	66	131	30356	35268

2C00	UNCOATED
2C01	TIN COATED
2C03	TIALN COATED



SOLID CARBIDE JOBBER DRILL- K816 SERIES UPTO 45HRc

Item code	Drill Dia	Shank Dia	Flute Length	Overall length	List_Price		Itemcode	Drill Dia	Shank Dia	Flute Length	Overall length	List_Price	
					Uncoated	Coated						Uncoated	Coated
K81600100	1	1	12	34	1098	1231	K81600460	4.6	4.6	47	80	1835	2051
K81600110	1.1	1.1	14	36	1098	1231	K81600470	4.7	4.7	47	80	1835	2051
K81600120	1.2	1.2	16	38	1098	1231	K81600480	4.8	4.8	52	86	2003	2242
K81600130	1.3	1.3	16	38	1098	1231	K81600490	4.9	4.9	52	86	2003	2242
K81600140	1.4	1.4	18	40	1098	1231	K81600500	5.0	5.0	52	86	2091	2340
K81600150	1.5	1.5	18	40	1098	1231	K81600510	5.1	5.1	52	86	2103	2357
K81600160	1.6	1.6	20	43	1108	1242	K81600520	5.2	5.2	52	86	2182	2442
K81600170	1.7	1.7	20	43	1108	1242	K81600530	5.3	5.3	52	86	2255	2524
K81600180	1.8	1.8	22	46	1108	1242	K81600540	5.4	5.4	57	93	2331	2606
K81600190	1.9	1.9	22	46	1108	1242	K81600550	5.5	5.5	57	93	2274	2547
K81600200	2	2	24	49	1108	1242	K81600560	5.6	5.6	57	93	2431	2724
K81600210	2.1	2.1	24	49	1271	1422	K81600570	5.7	5.7	57	93	2460	2754
K81600220	2.2	2.2	27	53	1271	1422	K81600580	5.8	5.8	57	93	2496	2792
K81600230	2.3	2.3	27	53	1271	1422	K81600590	5.9	5.9	57	93	2514	2816
K81600240	2.4	2.4	30	57	1271	1422	K81600600	6.0	6.0	57	93	2442	2732
K81600250	2.5	2.5	30	57	1271	1422	K81600610	6.1	6.1	63	101	2824	3161
K81600260	2.6	2.6	30	57	1353	1514	K81600620	6.2	6.2	63	101	2824	3161
K81600270	2.7	2.7	33	61	1353	1514	K81600630	6.3	6.3	63	101	2824	3161
K81600280	2.8	2.8	33	61	1353	1514	K81600640	6.4	6.4	63	101	3164	3542
K81600290	2.9	2.9	33	61	1353	1514	K81600650	6.5	6.5	63	101	3006	3369
K81600300	3	3	33	61	1353	1514	K81600660	6.6	6.6	63	101	3468	3880
K81600310	3.1	3.1	36	65	1407	1576	K81600670	6.7	6.7	63	101	3641	4082
K81600320	3.2	3.2	36	65	1407	1576	K81600680	6.8	6.8	69	109	3468	3880
K81600330	3.3	3.3	36	65	1407	1576	K81600690	6.9	6.9	69	109	3468	3880
K81600340	3.4	3.4	39	70	1407	1576	K81600700	7.0	7.0	69	109	3294	3688
K81600350	3.5	3.5	39	70	1407	1576	K81600710	7.1	7.1	69	109	3785	4237
K81600360	3.6	3.6	39	70	1457	1630	K81600720	7.2	7.2	69	109	3785	4237
K81600370	3.7	3.7	39	70	1521	1703	K81600730	7.3	7.3	69	109	3785	4237
K81600380	3.8	3.8	43	75	1587	1774	K81600740	7.4	7.4	69	109	3975	4450
K81600390	3.9	3.9	43	75	1651	1850	K81600750	7.5	7.5	69	109	3595	4028
K81600400	4	4	43	75	1718	1920	K81600760	7.6	7.6	75	117	4010	4493
K81600410	4.1	4.1	43	75	1739	1948	K81600770	7.7	7.7	75	117	4010	4493
K81600420	4.2	4.2	43	75	1764	1973	K81600780	7.8	7.8	75	117	4010	4493
K81600430	4.3	4.3	47	80	1777	1992	K81600790	7.9	7.9	75	117	4010	4493
K81600440	4.4	4.4	47	80	1810	2026	K81600800	8.0	8.0	75	117	3618	4048
K81600450	4.5	4.5	47	80	1835	2051	K81600810	8.1	8.1	75	117	4441	4973

2C00	UNCOATED
2C01	TIN COATED
2C03	TIALN COATED



SOLID CARBIDE JOBBER DRILL- K816 SERIES UPTO 45HRc

Item code	Drill Dia	Shank Dia	Flute Length	Overall length	List_Price		Itemcode	Drill Dia	Shank Dia	Flute Length	Overall length	List_Price	
					Uncoated	Coated						Uncoated	Coated
K81600820	8.2	8.2	75	117.0	4441	4973	K81601180	11.8	11.8	94	142.0	8793	9846
K81600830	8.3	8.3	75	117.0	4441	4973	K81601190	11.9	11.9	101	151.0	8793	9846
K81600840	8.4	8.4	75	117.0	4909	5496	K81601200	12.0	12.0	101	151.0	8793	9846
K81600850	8.5	8.5	75	117.0	4441	4973	K81601210	12.1	12.1	101	151.0	12680	15741
K81600860	8.6	8.6	81	125.0	5302	5940	K81601220	12.2	12.2	101	151.0	13519	16581
K81600870	8.7	8.7	81	125.0	5302	5940	K81601230	12.3	12.3	101	151.0	13519	16581
K81600880	8.8	8.8	81	125.0	5302	5940	K81601240	12.4	12.4	101	151.0	13519	16581
K81600890	8.9	8.9	81	125.0	5302	5940	K81601250	12.5	12.5	101	151.0	13519	16581
K81600900	9.0	9.0	81	125.0	5093	5707	K81601260	12.6	12.6	101	151.0	13519	16581
K81600910	9.1	9.1	81	125.0	6054	6782	K81601270	12.7	12.7	101	151.0	14152	17218
K81600920	9.2	9.2	81	125.0	6054	6782	K81601280	12.8	12.8	101	151.0	14152	17218
K81600930	9.3	9.3	81	125.0	6054	6782	K81601290	12.9	12.9	101	151.0	14152	17218
K81600940	9.4	9.4	81	125.0	6357	7119	K81601300	13.0	13.0	101	151.0	14215	17277
K81600950	9.5	9.5	81	125.0	6357	7119	K81601310	13.1	13.1	101	151.0	14235	17299
K81600960	9.6	9.6	87	133.0	6411	7181	K81601320	13.2	13.2	101	151.0	15456	18516
K81600970	9.7	9.7	87	133.0	6411	7181	K81601330	13.3	13.3	108	160.0	15456	18516
K81600980	9.8	9.8	87	133.0	6411	7181	K81601340	13.4	13.4	108	160.0	15456	18516
K81600990	9.9	9.9	87	133.0	6954	7786	K81601350	13.5	13.5	108	160.0	15456	18516
K81601000	10.0	10.0	87	133.0	6600	6976	K81601360	13.6	13.6	108	160.0	15456	18516
K81601010	10.1	10.1	87	133.0	6600	6976	K81601370	13.7	13.7	108	160.0	15927	18987
K81601020	10.2	10.2	87	133.0	6596	7388	K81601380	13.8	13.8	108	160.0	15927	18987
K81601030	10.3	10.3	87	133.0	6596	7388	K81601390	13.9	13.9	108	160.0	15927	18987
K81601040	10.4	10.4	87	133.0	6596	7388	K81601400	14.0	14.0	108	160.0	16216	19277
K81601050	10.5	10.5	87	133.0	7083	7935	K81601450	14.5	14.5	114	169.0	18411	21473
K81601060	10.6	10.6	87	133.0	7083	7935	K81601500	15.0	15.0	114	169.0	18697	21759
K81601070	10.7	10.7	94	142.0	7328	8207	K81601550	15.5	15.5	120	178.0	23522	26583
K81601080	10.8	10.8	94	142.0	7328	8207	K81601600	16.0	16.0	120	178.0	22696	25758
K81601090	10.9	10.9	94	142.0	7328	8207	K81601650	16.5	16.5	125	184.0	22572	27487
K81601100	11.0	11.0	94	142.0	7328	8207	K81601700	17.0	17.0	125	184.0	25290	30174
K81601110	11.1	11.1	94	142.0	7941	9057	K81601750	17.5	17.5	130	191.0	25933	30848
K81601120	11.2	11.2	94	142.0	7941	9057	K81601800	18.0	18.0	130	191.0	26398	31309
K81601130	11.3	11.3	94	142.0	7941	9057	K81601850	18.5	18.5	135	198.0	31818	36729
K81601140	11.4	11.4	94	142.0	7941	9057	K81601900	19.0	19.0	135	198.0	34253	39167
K81601150	11.5	11.5	94	142.0	7941	9057	K81601950	19.5	19.5	140	205.0	35490	40403
K81601160	11.6	11.6	94	142.0	8793	9846	K81602000	20.0	20.0	140	205.0	36423	41336
K81601170	11.7	11.7	94	142.0	8793	9846							

2C00	UNCOATED
2C01	TIN COATED
2C03	TIALN COATED

SOLID CARBIDE GP DRILL- K2GPR3 SERIES UPTO 45HRc

Item code	Variant	Dril Dia	Shank Dia	Flute Length	Overall Length	List Price	Item code	Variant	Dril Dia	Shank Dia	Flute Length	Overall Length	List Price
K2GPR30300200662	0003	3	6	20	62	2371	K2GPR30640340879	0003	6.4	8	34	79	4253
K2GPR30310200662	0003	3.1	6	20	62	2371	K2GPR30650340879	0003	6.5	8	34	79	4253
K2GPR30320200662	0003	3.2	6	20	62	2371	K2GPR30660340879	0003	6.6	8	34	79	4253
K2GPR30330200662	0003	3.3	6	20	62	2371	K2GPR30670340879	0003	6.7	8	34	79	4253
K2GPR30340200662	0003	3.4	6	20	62	2371	K2GPR30680340879	0003	6.8	8	34	79	4253
K2GPR30350200662	0003	3.5	6	20	62	2371	K2GPR30690340879	0003	6.9	8	34	79	4253
K2GPR30360200662	0003	3.6	6	20	62	2371	K2GPR30700340879	0003	7	8	34	79	4253
K2GPR30370200662	0003	3.7	6	20	62	2371	K2GPR30710410879	0003	7.1	8	41	79	4253
K2GPR30380240666	0003	3.8	6	24	66	2371	K2GPR30720410879	0003	7.2	8	41	79	4253
K2GPR30390240666	0003	3.9	6	24	66	2371	K2GPR30730410879	0003	7.3	8	41	79	4253
K2GPR30400240666	0003	4	6	24	66	2371	K2GPR30740410879	0003	7.4	8	41	79	4253
K2GPR30410240666	0003	4.1	6	24	66	2988	K2GPR30750410879	0003	7.5	8	41	79	4253
K2GPR30420240666	0003	4.2	6	24	66	2988	K2GPR30760410879	0003	7.6	8	41	79	4253
K2GPR30430240666	0003	4.3	6	24	66	2988	K2GPR30780410879	0003	7.8	8	41	79	4253
K2GPR30440240666	0003	4.4	6	24	66	2988	K2GPR30790410879	0003	7.9	8	41	79	4253
K2GPR30450240666	0003	4.5	6	24	66	2988	K2GPR30800410879	0003	8	8	41	79	4253
K2GPR30460240666	0003	4.6	6	24	66	2988	K2GPR30810471089	0003	8.1	10	47	89	6053
K2GPR30470240666	0003	4.7	6	24	66	2988	K2GPR30820471089	0003	8.2	10	47	89	6053
K2GPR30480280666	0003	4.8	6	28	66	2988	K2GPR30830471089	0003	8.3	10	47	89	6053
K2GPR30490280666	0003	4.9	6	28	66	2988	K2GPR30840471089	0003	8.4	10	47	89	6053
K2GPR30500280666	0003	5	6	28	66	2988	K2GPR30850471089	0003	8.5	10	47	89	6053
K2GPR30510280666	0003	5.1	6	28	66	2988	K2GPR30860471089	0003	8.6	10	47	89	6053
K2GPR30520280666	0003	5.3	6	28	66	2988	K2GPR30870471089	0003	8.7	10	47	89	6053
K2GPR30530280666	0003	5.3	6	28	66	2988	K2GPR30880471089	0003	8.8	10	47	89	6053
K2GPR30540280666	0003	5.4	6	28	66	2988	K2GPR30890471089	0003	8.9	10	47	89	6053
K2GPR30550280666	0003	5.5	6	28	66	2988	K2GPR30900471089	0003	9	10	47	89	6053
K2GPR30560280666	0003	5.6	6	28	66	2988	K2GPR30910471089	0003	9.1	10	47	89	6053
K2GPR30570280666	0003	5.7	6	28	66	2988	K2GPR30920471089	0003	9.2	10	47	89	6053
K2GPR30580280666	0003	5.8	6	28	66	2988	K2GPR30930471089	0003	9.3	10	47	89	6053
K2GPR30590280666	0003	5.9	6	28	66	2988	K2GPR30940471089	0003	9.4	10	47	89	6053
K2GPR30600280666	0003	6	6	28	66	2988	K2GPR30950471089	0003	9.5	10	47	89	6053
K2GPR30610340879	0003	6.1	8	34	79	4253	K2GPR30960471089	0003	9.6	10	47	89	6053
K2GPR30620340879	0003	6.2	8	34	79	4253	K2GPR30970471089	0003	9.7	10	47	89	6053
K2GPR30630340879	0003	6.3	8	34	79	4253	K2GPR30980471089	0003	9.8	10	47	89	6053

0003	TIALN COATED
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SOLID CARBIDE GP DRILL- K2GPR3 SERIES UPTO 45HRc

Item code	Variant	Drill Dia	Shank Dia	Flute Length	Overall Length	List Price	Item code	Variant	Drill Dia	Shank Dia	Flute Length	Overall Length	List Price
K2GPR30990471089	0003	9.9	10	47	89	6053	K2GPR313206014A7	0003	13.2	14	60	107	13167
K2GPR31000471089	0003	10	10	47	89	6053	K2GPR313306014A7	0003	13.3	14	60	107	13167
K2GPR310105512A2	0003	10.1	12	55	102	10584	K2GPR313406014A7	0003	13.4	14	60	107	13167
K2GPR310205512A2	0003	10.2	12	55	102	10584	K2GPR313506014A7	0003	13.5	14	60	107	13167
K2GPR310305512A2	0003	10.3	12	55	102	10584	K2GPR313606014A7	0003	13.6	14	60	107	13167
K2GPR310405512A2	0003	10.4	12	55	102	10584	K2GPR313706014A7	0003	13.7	14	60	107	13167
K2GPR310505512A2	0003	10.5	12	55	102	10584	K2GPR313806014A7	0003	13.8	14	60	107	13167
K2GPR310605512A2	0003	10.6	12	55	102	10584	K2GPR313906014A7	0003	13.9	14	60	107	13167
K2GPR310705512A2	0003	10.7	12	55	102	10584	K2GPR314006014A7	0003	14	14	60	107	13167
K2GPR310805512A2	0003	10.8	12	55	102	10584	K2GPR314206516B5	0003	14.2	16	65	115	14828
K2GPR310905512A2	0003	10.9	12	55	102	10584	K2GPR314306516B5	0003	14.3	16	65	115	14828
K2GPR311005512A2	0003	11	12	55	102	10584	K2GPR314506516B5	0003	14.5	16	65	115	14828
K2GPR311105512A2	0003	11.1	12	55	102	10584	K2GPR314606516B5	0003	14.6	16	65	115	14828
K2GPR311205512A2	0003	11.2	12	55	102	10584	K2GPR314706516B5	0003	14.7	16	65	115	16929
K2GPR311305512A2	0003	11.3	12	55	102	10584	K2GPR314806516B5	0003	14.8	16	65	115	16929
K2GPR311405512A2	0003	11.4	12	55	102	10584	K2GPR315006516B5	0003	15	16	65	115	17529
K2GPR311505512A2	0003	11.5	12	55	102	10584	K2GPR315206516B5	0003	15.2	16	65	115	17529
K2GPR311605512A2	0003	11.6	12	55	102	10584	K2GPR315506516B5	0003	15.5	16	65	115	17529
K2GPR311705512A2	0003	11.7	12	55	102	10584	K2GPR315706516B5	0003	15.7	16	65	115	17529
K2GPR311805512A2	0003	11.8	12	55	102	10584	K2GPR315806516B5	0003	15.8	16	65	115	17529
K2GPR311905512A2	0003	11.9	12	55	102	10584	K2GPR316006516B5	0003	16	16	65	115	17529
K2GPR312005512A2	0003	12	12	55	102	10584	K2GPR316507318C3	0003	16.5	18	73	123	27485
K2GPR312106014A7	0003	12.1	14	60	107	13167	K2GPR316807318C3	0003	16.8	18	73	123	27485
K2GPR312206014A7	0003	12.2	14	60	107	13167	K2GPR317007318C3	0003	17	18	73	123	27485
K2GPR312306014A7	0003	12.3	14	60	107	13167	K2GPR317507318C3	0003	17.5	18	73	123	27485
K2GPR312406014A7	0003	12.4	14	60	107	13167	K2GPR317807318C3	0003	17.8	18	73	123	27485
K2GPR312506014A7	0003	12.5	14	60	107	13167	K2GPR318007318C3	0003	18	18	73	123	27485
K2GPR312606014A7	0003	12.6	14	60	107	13167	K2GPR318507920D1	0003	18.5	20	79	131	35268
K2GPR312706014A7	0003	12.7	14	60	107	13167	K2GPR319007920D1	0003	19	20	79	131	35268
K2GPR312806014A7	0003	12.8	14	60	107	13167	K2GPR319507920D1	0003	19.5	20	79	131	35268
K2GPR312906014A7	0003	12.9	14	60	107	13167	K2GPR319807920D1	0003	19.8	20	79	131	35268
K2GPR313006014A7	0003	13	14	60	107	13167	K2GPR320007920D1	0003	20	20	79	131	35268
K2GPR313106014A7	0003	13.1	14	60	107	13167							

0003 TIALN COATED

SOLID CARBIDE GP DRILL- K2GPR5 SERIES UPTO 45HRc

Item code	Variant	Drill Dia	Shank Dia	Flute Length	Overall Length	List Price	Item code	Variant	Drill Dia	Shank Dia	Flute Length	Overall Length	List Price
K2GPR50300280666	0003	3	6	28	66	2777	K2GPR50640530891	0003	6.4	8	53	91	5372
K2GPR50310280666	0003	3.1	6	28	66	2777	K2GPR50650530891	0003	6.5	8	53	91	5372
K2GPR50320280666	0003	3.2	6	28	66	2777	K2GPR50660530891	0003	6.6	8	53	91	5372
K2GPR50330280666	0003	3.3	6	28	66	2777	K2GPR50670530891	0003	6.7	8	53	91	5372
K2GPR50340280666	0003	3.4	6	28	66	2777	K2GPR50680530891	0003	6.8	8	53	91	5372
K2GPR50350280666	0003	3.5	6	28	66	2777	K2GPR50690530891	0003	6.9	8	53	91	5372
K2GPR50360280666	0003	3.6	6	28	66	2777	K2GPR50700530891	0003	7	8	53	91	5372
K2GPR50370280666	0003	3.7	6	28	66	2777	K2GPR50710530891	0003	7.1	8	53	91	5372
K2GPR50380360674	0003	3.8	6	36	74	3376	K2GPR50720530891	0003	7.2	8	53	91	5372
K2GPR50390360674	0003	3.9	6	36	74	3376	K2GPR50730530891	0003	7.2	8	53	91	5372
K2GPR50400360674	0003	4	6	36	74	3376	K2GPR50740530891	0003	7.4	8	53	91	5372
K2GPR50410360674	0003	4.1	6	36	74	3376	K2GPR50750530891	0003	7.5	8	53	91	5372
K2GPR50420360674	0003	4.2	6	36	74	3376	K2GPR50760530891	0003	7.6	8	53	91	5372
K2GPR50430360674	0003	4.3	6	36	74	3376	K2GPR50770530891	0003	7.7	8	53	91	5372
K2GPR50440360674	0003	4.4	6	36	74	3376	K2GPR50780530891	0003	7.8	8	53	91	5372
K2GPR50450360674	0003	4.5	6	36	74	3376	K2GPR50790530891	0003	7.9	8	53	91	5372
K2GPR50460360674	0003	4.6	6	36	74	3376	K2GPR50800530891	0003	8	8	53	91	5372
K2GPR50470360674	0003	4.7	6	36	74	3376	K2GPR508106110A3	0003	8.1	10	61	103	7471
K2GPR50480440682	0003	4.8	6	44	82	3376	K2GPR508206110A3	0003	8.2	10	61	103	7471
K2GPR50490440682	0003	4.9	6	44	82	3376	K2GPR508306110A3	0003	8.3	10	61	103	7471
K2GPR50500440682	0003	5	6	44	82	3376	K2GPR508406110A3	0003	8.4	10	61	103	7471
K2GPR50510440682	0003	5.1	6	44	82	3376	K2GPR508506110A3	0003	8.5	10	61	103	7471
K2GPR50520440682	0003	5.2	6	44	82	3376	K2GPR508606110A3	0003	8.6	10	61	103	7471
K2GPR50530440682	0003	5.3	6	44	82	3376	K2GPR508706110A3	0003	8.7	10	61	103	7471
K2GPR50540440682	0003	5.4	6	44	82	3376	K2GPR508806110A3	0003	8.8	10	61	103	7471
K2GPR50550440682	0003	5.5	6	44	82	3376	K2GPR508906110A3	0003	8.9	10	61	103	7471
K2GPR50560440682	0003	5.6	6	44	82	3376	K2GPR509006110A3	0003	9	10	61	103	7593
K2GPR50570440682	0003	5.7	6	44	82	3376	K2GPR509106110A3	0003	9.1	10	61	103	7593
K2GPR50580440682	0003	5.8	6	44	82	3376	K2GPR509206110A3	0003	9.2	10	61	103	7593
K2GPR50590440682	0003	5.9	6	44	82	3376	K2GPR509306110A3	0003	9.3	10	61	103	7593
K2GPR50600440682	0003	6	6	44	82	3376	K2GPR509406110A3	0003	9.4	10	61	103	7593
K2GPR50610530891	0003	6.1	8	53	91	5372	K2GPR509506110A3	0003	9.5	10	61	103	7593
K2GPR50620530891	0003	6.2	8	53	91	5372	K2GPR509606110A3	0003	9.6	10	61	103	7593
K2GPR50630530891	0003	6.3	8	53	91	5372	K2GPR509706110A3	0003	9.7	10	61	103	7593

0003	TIALN COATED
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SOLID CARBIDE GP DRILL- K2GPR5 SERIES UPTO 45HRc

Item code	Variant	Drill Dia	Shank Dia	Flute Length	Overall Length	List Price	Item code	Variant	Drill Dia	Shank Dia	Flute Length	Overall Length	List Price
K2GPR509806110A3	0003	9.8	10	61	103	7593	K2GPR513107714C4	0003	13.1	14	77	124	14934
K2GPR509906110A3	0003	9.9	10	61	103	7593	K2GPR513207714C4	0003	13.2	14	77	124	14934
K2GPR510006110A3	0003	10	10	61	103	7593	K2GPR513307714C4	0003	13.3	14	77	124	14934
K2GPR510107112B8	0003	10.1	12	71	118	12356	K2GPR513407714C4	0003	13.4	14	77	124	14934
K2GPR510207112B8	0003	10.2	12	71	118	12356	K2GPR513507714C4	0003	13.5	14	77	124	14934
K2GPR510307112B8	0003	10.3	12	71	118	12356	K2GPR513607714C4	0003	13.6	14	77	124	14934
K2GPR510407112B8	0003	10.4	12	71	118	12356	K2GPR513707714C4	0003	13.7	14	77	124	14934
K2GPR510507112B8	0003	10.5	12	71	118	12356	K2GPR513807714C4	0003	13.8	14	77	124	14934
K2GPR510607112B8	0003	10.6	12	71	118	12356	K2GPR514007714C4	0003	14	14	77	124	14934
K2GPR510707112B8	0003	10.7	12	71	118	12356	K2GPR514208316D3	0003	14.2	16	83	133	18406
K2GPR510807112B8	0003	10.8	12	71	118	12356	K2GPR514308316D3	0003	14.3	16	83	133	18406
K2GPR510907112B8	0003	10.9	12	71	118	12356	K2GPR514508316D3	0003	14.3	16	83	133	18406
K2GPR511007112B8	0003	11	12	71	118	12356	K2GPR514608316D3	0003	14.6	16	83	133	18406
K2GPR511107112B8	0003	11.1	12	71	118	12356	K2GPR514708316D3	0003	14.7	16	83	133	18406
K2GPR511207112B8	0003	11.2	12	71	118	12356	K2GPR514808316D3	0003	14.8	16	83	133	18406
K2GPR511307112B8	0003	11.3	12	71	118	12356	K2GPR515008316D3	0003	15	16	83	133	18984
K2GPR511407112B8	0003	11.4	12	71	118	12356	K2GPR515208316D3	0003	15.3	16	83	133	18984
K2GPR511507112B8	0003	11.5	12	71	118	12356	K2GPR515508316D3	0003	15.5	16	83	133	18984
K2GPR511607112B8	0003	11.6	12	71	118	12356	K2GPR515708316D3	0003	15.7	16	83	133	18984
K2GPR511707112B8	0003	11.7	12	71	118	12356	K2GPR515808316D3	0003	15.8	16	83	133	18984
K2GPR511807112B8	0003	11.8	12	71	118	12356	K2GPR516008316D3	0003	16	16	83	133	18984
K2GPR511907112B8	0003	11.9	12	71	118	12356	K2GPR516509318E3	0003	16.5	18	93	143	28079
K2GPR512007112B8	0003	12	12	71	118	12356	K2GPR516809318E3	0003	16.8	18	93	143	28079
K2GPR512107714C4	0003	12.1	14	77	124	14934	K2GPR517009318E3	0003	17	18	93	143	28079
K2GPR512207714C4	0003	12.2	14	77	124	14934	K2GPR517509318E3	0003	17.5	18	93	143	28079
K2GPR512307714C4	0003	12	14	77	124	14934	K2GPR517809318E3	0003	17.8	18	93	143	28079
K2GPR512407714C4	0003	12.5	14	77	124	14934	K2GPR518009318E3	0003	18	18	93	143	28079
K2GPR512507714C4	0003	12.5	14	77	124	14934	K2GPR518510120F3	0003	18.5	20	101	153	33238
K2GPR512607714C4	0003	12.6	14	77	124	14934	K2GPR519010120F3	0003	19	20	101	153	33238
K2GPR512707714C4	0003	12.7	14	77	124	14934	K2GPR519510120F3	0003	19.5	20	101	153	33238
K2GPR512807714C4	0003	12.8	14	77	124	14934	K2GPR519810120F3	0003	19.8	20	101	153	33238
K2GPR512907714C4	0003	12.9	14	77	124	14934	K2GPR520010120F3	0003	20	20	101	153	33238
K2GPR513007714C4	0003	13	14	77	124	14934							

0003	TIALN COATED
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SOLID CARBIDE GP END MILLS- K2GPSE/K4GPSE SERIES UPTO 45HRc

STUB SERIES							REGULAR SERIES						
Item code	Variant	CD	SD	FL	OAL	List Price	Item code	Variant	CD	SD	FL	OAL	List Price
K4GPSE030060303	00S3	3.0	3	6	38.0	977	K4GPSE020120303	0003	2.0	3	12	38.0	1166
K4GPSE030060403	00S3	3.0	4	6	38.0	1436	K4GPSE030120303	0003	3.0	3	12	38.0	1083
K4GPSE030060603	00S3	3.0	6	6	38.0	1277	K4GPSE030120403	0003	3.0	4	12	38.0	1177
K4GPSE035070405	00S3	3.5	4	7	50.0	1436	K4GPSE030120603	0003	3.0	6	12	38.0	1284
K4GPSE040080405	00S3	4.0	4	8	50.0	1319	K4GPSE035120405	0003	3.5	4	12	50.0	1542
K4GPSE040080605	00S3	4.0	6	8	50.0	1813	K4GPSE040140405	0003	4.0	4	14	50.0	1425
K4GPSE050100605	00S3	5.0	6	10	50.0	1813	K4GPSE040140605	0003	4.0	6	14	50.0	1768
K4GPSE055100605	00S3	5.5	6	10	54.0	1813	K4GPSE045160505	0003	4.5	5	16	50.0	1907
K4GPSE060120605	00S3	6.0	6	12	54.0	1696	K4GPSE050160505	0003	5.0	5	16	50.0	1790
K4GPSE070120705	00S3	7.0	7	12	54.0	1990	K4GPSE050160605	0003	5.0	6	16	50.0	1768
K4GPSE070120805	00S3	7.0	8	12	54.0	2460	K4GPSE055160605	0003	5.5	6	16	56.0	1979
K4GPSE080120805	00S3	8.0	8	12	54.0	2344	K4GPSE060190605	0003	6.0	6	19	56.0	1861
K4GPSE090140906	00S3	9.0	9	14	66.0	2943	K4GPSE070190706	0003	7.0	7	19	63.0	2237
K4GPSE090141006	00S3	9.0	10	14	66.0	4120	K4GPSE080200806	0003	8.0	8	20	63.0	2260
K4GPSE100141006	00S3	10.0	10	14	66.0	4002	K4GPSE085220907	0003	8.5	9	22	75.0	3579
K4GPSE110191107	00S3	11.0	11	19	73.0	4379	K4GPSE090220907	0003	9.0	9	22	75.0	3285
K4GPSE110191207	00S3	11.0	12	19	73.0	4633	K4GPSE100221007	0003	10.0	10	22	75.0	3826
K4GPSE120191207	00S3	12.0	12	19	73.0	4515	K4GPSE110251107	0003	11.0	11	25	75.0	4374
K4GPSE130221407	00S3	13.0	14	22	75.0	6779	K4GPSE120251207	0003	12.0	12	25	75.0	4562
K4GPSE140221407	00S3	14.0	14	22	75.0	6661	K4GPSE130251407	0003	13.0	14	25	75.0	8300
K4GPSE150251608	00S3	15.0	16	25	82.0	7859	K4GPSE140321408	0003	14.0	14	32	89.0	8182
K4GPSE160251608	00S3	16.0	16	25	82.0	7741	K4GPSE150321608	0003	15.0	16	32	89.0	9493
K4GPSE170251808	00S3	17.0	18	25	84.0	11049	K4GPSE160321608	0003	16.0	16	32	89.0	8653
K4GPSE180251808	00S3	18.0	18	25	84.0	10932	K4GPSE180381810	0003	18.0	18	38	100.0	13420
K4GPSE190252008	00S3	19.0	20	25	84.0	17107	K4GPSE190382010	0003	19.0	20	38	100.0	18835
K4GPSE200252008	00S3	20.0	20	25	84.0	16989	K4GPSE200382010	0003	20.0	20	38	100.0	18835
							K4GPSE220382210	0003	22.0	22	38	100.0	20719
							K4GPSE250382510	0003	25.0	25	38	100.0	25987

LONG SERIES							EXTRA LONG SERIES						
Item code	Variant	CD	SD	FL	OAL	List Price	Item code	Variant	CD	SD	FL	OAL	List Price
K4GPSE030250307	00L3	3.0	3	25	75.0	2013	K4GPSE030250410	00X3	3.0	4	25	100.0	2520
K4GPSE030250407	00L3	3.0	4	25	75.0	2354	K4GPSE040250410	00X3	4.0	4	25	100.0	2814
K4GPSE040250407	00L3	4.0	4	25	75.0	2237	K4GPSE050250610	00X3	5.0	6	25	100.0	3288
K4GPSE050250507	00L3	5.0	5	25	75.0	2532	K4GPSE060300610	00X3	6.0	6	30	100.0	3288
K4GPSE050250607	00L3	5.0	6	25	75.0	2743	K4GPSE080350810	00X3	8.0	8	35	100.0	4363
K4GPSE060250607	00L3	6.0	6	25	75.0	2625	K4GPSE080400812	00X3	8.0	8	40	120.0	5453
K4GPSE080300807	00L3	8.0	8	30	75.0	3002	K4GPSE080500815	00X3	8.0	8	50	150.0	5453
K4GPSE100401010	00L3	10.0	10	40	100.0	4771	K4GPSE100751015	00X3	10.0	10	75	150.0	5935
K4GPSE100501010	00L3	10.0	10	50	100.0	4986	K4GPSE120751215	00X3	12.0	12	75	150.0	13274
K4GPSE120501210	00L3	12.0	12	50	100.0	6544	K4GPSE140751415	00X3	14.0	14	75	150.0	20997
K4GPSE140501410	00L3	14.0	14	50	100.0	11200	K4GPSE160751615	00X3	16.0	16	75	150.0	24717
K4GPSE160501610	00L3	16.0	16	50	100.0	13182	K4GPSE180751815	00X3	18.0	18	75	150.0	33026
K4GPSE180501810	00L3	18.0	18	50	100.0	17614	K4GPSE200752015	00X3	20.0	20	75	150.0	42992
K4GPSE200502010	00L3	20.0	20	50	100.0	22962							
K4GPSE250752515	00L3	25.0	25	75	150.0	44122							

00S3	TIALN COATED
0003	TIALN COATED
00L3	TIALN COATED
00X3	TIALN COATED

SOLID CARBIDE GP BALL NOSE END MILLS - K2GPSB / K4GPSB SERIES UPTO 45HRc

STUB SERIES						
Item code	Variant	Cutting Dia	Shank Dia	Flute Length	Overall Length	List Price
K4GPSB0300603038	00S3	3.0	3	6	38	1152
K4GPSB0400804050	00S3	4.0	4	8	50	1554
K4GPSB0501005050	00S3	5.0	5	10	50	1943
K4GPSB0501006050	00S3	5.0	6	10	50	2096
K4GPSB0601206050	00S3	6.0	6	12	50	1979
K4GPSB0801208050	00S3	8.0	8	12	50	2349
K4GPSB1001610056	00S3	10.0	10	16	56	4033
K4GPSB1201912063	00S3	12.0	12	19	63	4615
K4GPSB1401914070	00S3	14.0	14	19	70	8240
K4GPSB1602516076	00S3	16.0	16	25	76	8711
K4GPSB2002520076	00S3	20.0	20	25	76	16952
REGULAR SERIES						
Item code	Variant	Cutting Dia	Shank Dia	Flute Length	Overall Length	List Price
K4GPSB0251203038	0003	2.5	3	12	38	1437
K4GPSB0301203038	0003	3.0	3	12	38	1278
K4GPSB0301204038	0003	3.0	4	12	38	1398
K4GPSB0301206038	0003	3.0	6	12	38	1554
K4GPSB0401404050	0003	4.0	4	14	50	1684
K4GPSB0401406050	0003	4.0	6	14	50	2092
K4GPSB0501605050	0003	5.0	5	16	50	2119
K4GPSB0501606050	0003	5.0	6	16	50	2092
K4GPSB0601906056	0003	6.0	6	19	56	2212
K4GPSB0802008063	0003	8.0	8	20	63	2584
K4GPSB1002210075	0003	10.0	10	22	75	4509
K4GPSB1202512075	0003	12.0	12	25	75	5398
K4GPSB1403214089	0003	14.0	14	32	89	10649
K4GPSB1603216089	0003	16.0	16	32	89	10231
K4GPSB1803818100	0003	18.0	18	38	100	15881
K4GPSB2003820100	0003	20.0	20	38	100	22379
K4GPSB2504025100	0003	25.0	25	40	100	30633
LONG SERIES						
Item code	Variant	Cutting Dia	Shank Dia	Flute Length	Overall Length	List Price
K4GPSB0302003075	00L3	3.0	3	20	75	2367
K4GPSB0302004075	00L3	3.0	4	20	75	2758
K4GPSB0402004075	00L3	4.0	4	20	75	2641
K4GPSB0502506075	00L3	5.0	6	25	75	3221
K4GPSB0602506075	00L3	6.0	6	25	75	3103
K4GPSB0802508089	00L3	8.0	8	25	89	4193
K4GPSB1003010089	00L3	10.0	10	30	89	4939
K4GPSB1004010100	00L3	10.0	10	40	100	5584
K4GPSB1203012100	00L3	12.0	12	30	100	7329
K4GPSB1604516100	00L3	16.0	16	45	100	11868
K4GPSB2004520100	00L3	20.0	20	45	100	22514

00S3	TIALN COATED
0003	TIALN COATED
00L3	TIALN COATED

SOLID CARBIDE DIE & MOULD SOFT END MILLS - K4DSSE SERIES 45-60HRc

REGULAR SERIES

Item code	Variant	Description	Dia	Sh.Dia	FL	OAL	List price
K4DSSE0100303050	0006	SC DSSE 4F 1x3x3x50 ALTIN Coating	1	3	3	50	1533
K4DSSE0200503050	0006	SC DSSE 4F 2x3x5x50 ALTIN Coating	2	3	5	50	1356
K4DSSE0301003050	0006	SC DSSE 4F 3x3x10x50 ALTIN Coating	3	3	10	50	1359
K4DSSE0301204050	0006	SC DSSE 4F 3x4x12x50 ALTIN Coating	3	4	12	50	1541
K4DSSE0401204050	0006	SC DSSE 4F 4x4x12x50 ALTIN Coating	4	4	12	50	1821
K4DSSE0501305050	0006	SC DSSE 4F 5x5x13x50 ALTIN Coating	5	5	13	50	2169
K4DSSE0601506060	0006	SC DSSE 4F 6x6x15x60 ALTIN Coating	6	6	15	60	2431
K4DSSE0802008060	0006	SC DSSE 4F 8x8x20x60 ALTIN Coating	8	8	20	60	3329
K4DSSE1002510075	0006	SC DSSE 4F 10x10x25x75 ALTIN Coating	10	10	25	75	5674
K4DSSE1203012075	0006	SC DSSE 4F 12x12x30x75 ALTIN Coating	12	12	30	75	7493
K4DSSE1403214075	0006	SC DSSE 4F 14x14x32x75 ALTIN Coating	14	14	32	75	10193
K4DSSE1603216100	0006	SC DSSE 4F 16x16x32x100 ALTIN Coating	16	16	32	100	15428
K4DSSE1803818100	0006	SC DSSE 4F 18x18x38x100 ALTIN Coating	18	18	38	100	19102
K4DSSE2003820100	0006	SC DSSE 4F 20x20x38x100 ALTIN Coating	20	20	38	100	24122

LONG SERIES

Item code	Variant	Description	Dia	Sh.Dia	FL	OAL	List price
K4DSSE0301203075	00L6	SC DSSE 4F 3x3x12x75 ALTIN Coating	3	3	12	75	1894
K4DSSE0401604075	00L6	SC DSSE 4F 4x4x16x75 ALTIN Coating	4	4	16	75	2881
K4DSSE0502005075	00L6	SC DSSE 4F 5x5x20x75 ALTIN Coating	5	5	20	75	2763
K4DSSE0602006075	00L6	SC DSSE 4F 6x6x20x75 ALTIN Coating	6	6	20	75	3275
K4DSSE0802008075	00L6	SC DSSE 4F 8x8x20x75 ALTIN Coating	8	8	20	75	3953
K4DSSE1002510100	00L6	SC DSSE 4F 10x10x25x100 ALTIN Coating	10	10	25	100	8051
K4DSSE1203012100	00L6	SC DSSE 4F 12x12x30x100 ALTIN Coating	12	12	30	100	10930
K4DSSE1604516120	00L6	SC DSSE 4F 16x16x45x120 ALTIN Coating	16	16	45	120	21269
K4DSSE2004520120	00L6	SC DSSE 4F 20x20x45x120 ALTIN Coating	20	20	45	120	39147

EXTRA LONG SERIES

Item code	Variant	Description	Dia	Sh.Dia	FL	OAL	List price
K4DSSE0301203100	00X6	SC DSSE 4F 3x3x12x100 ALTIN Coating	3	3	12	100	2073
K4DSSE0401604100	00X6	SC DSSE 4F 4x4x16x100 ALTIN Coating	4	4	16	100	2819
K4DSSE0502005100	00X6	SC DSSE 4F 5x5x20x100 ALTIN Coating	5	5	20	100	2990
K4DSSE0602006100	00X6	SC DSSE 4F 6x6x20x100 ALTIN Coating	6	6	20	100	3540
K4DSSE0602006150	00X6	SC DSSE 4F 6x6x20x150 ALTIN Coating	6	6	20	150	4383
K4DSSE0802008100	00X6	SC DSSE 4F 8x8x20x100 ALTIN Coating	8	8	20	100	5513
K4DSSE0802008150	00X6	SC DSSE 4F 8x8x20x150 ALTIN Coating	8	8	20	150	6948
K4DSSE1002510150	00X6	SC DSSE 4F 10x10x25x150 ALTIN Coating	10	10	25	150	9731
K4DSSE1203012150	00X6	SC DSSE 4F 12x12x30x150 ALTIN Coating	12	12	30	150	13306
K4DSSE1604516150	00X6	SC DSSE 4F 16x16x45x150 ALTIN Coating	16	16	45	150	21786
K4DSSE2004520150	00X6	SC DSSE 4F 20x20x45x150 ALTIN Coating	20	20	45	150	37029

0006	ALTIN COATED
00L6	ALTIN COATED
00X6	ALTIN COATED

SOLID CARBIDE DIE & MOULD SOFT BALL NOSE - K2DSSB SERIES 45-60HRC

REGULAR SERIES							
Item code	Variant	Description	Dia	Sh.Dia	FL	OAL	List price
K2DSSB0100304050	0006	SC DSSB 2F 1x4x3x50 ALTIN Coating	1	4	3	50	1881
K2DSSB0200404050	0006	SC DSSB 2F 2x4x4x50 ALTIN Coating	2	4	4	50	1881
K2DSSB0300603050	0006	SC DSSB 2F 3x3x6x50 ALTIN Coating	3	3	6	50	1836
K2DSSB0400804050	0006	SC DSSB 2F 4x4x8x50 ALTIN Coating	4	4	8	50	2016
K2DSSB0501305050	0006	SC DSSB 2F 5x5x13x50 ALTIN Coating	5	5	13	50	2389
K2DSSB0601206050	0006	SC DSSB 2F 6x6x12x60 ALTIN Coating	6	6	12	60	2886
K2DSSB0801408060	0006	SC DSSB 2F 8x8x14x60 ALTIN Coating	8	8	14	60	3906
K2DSSB1002210075	0006	SC DSSB 2F 10x10x22x75 ALTIN Coating	10	10	22	75	6861
K2DSSB1202512075	0006	SC DSSB 2F 12x12x25x75 ALTIN Coating	12	12	25	75	8056
K2DSSB1603216100	0006	SC DSSB 2F 16x16x32x100 ALTIN Coating	16	16	32	100	16325
K2DSSB2003220100	0006	SC DSSB 2F 20x20x32x100 ALTIN Coating	20	20	32	100	35762
LONG SERIES							
Item code	Variant	Description	Dia	Sh.Dia	FL	OAL	List price
K2DSSB0300603075	00L6	SC DSSB 2F 3x3x6x75 ALTIN Coating	3	3	6	75	2418
K2DSSB0400804075	00L6	SC DSSB 2F 4x4x8x75 ALTIN Coating	4	4	8	75	2836
K2DSSB0501005075	00L6	SC DSSB 2F 5x5x10x75 ALTIN Coating	5	5	10	75	3001
K2DSSB0601206075	00L6	SC DSSB 2F 6x6x12x75 ALTIN Coating	6	6	12	75	3322
K2DSSB0801608075	00L6	SC DSSB 2F 8x8x16x75 ALTIN Coating	8	8	16	75	4265
K2DSSB1002210100	00L6	SC DSSB 2F 10x10x22x100 ALTIN Coating	10	10	22	100	7597
K2DSSB1202512100	00L6	SC DSSB 2F 12x12x25x100 ALTIN Coating	12	12	25	100	9951
EXTRA LONG SERIES							
Item code	Variant	Description	Dia	Sh.Dia	FL	OAL	List price
K2DSSB0400804100	00X6	SC DSSB 2F 4x4x8x100 ALTIN Coating	4	4	8	100	3211
K2DSSB0501005100	00X6	SC DSSB 2F 5x5x10x100 ALTIN Coating	5	5	10	100	3325
K2DSSB0601206100	00X6	SC DSSB 2F 6x6x12x100 ALTIN Coating	6	6	12	100	3680
K2DSSB0601206150	00X6	SC DSSB 2F 6x6x12x150 ALTIN Coating	6	6	12	150	5058
K2DSSB0801608100	00X6	SC DSSB 2F 8x8x16x100 ALTIN Coating	8	8	16	100	5473
K2DSSB0801608150	00X6	SC DSSB 2F 8x8x16x150 ALTIN Coating	8	8	16	150	7030
K2DSSB1002210150	00X6	SC DSSB 2F 10x10x22x150 ALTIN Coating	10	10	22	150	10243
K2DSSB1202512150	00X6	SC DSSB 2F 12x12x25x150 ALTIN Coating	12	12	25	150	13639

0006	ALTIN COATED
00L6	ALTIN COATED
00X6	ALTIN COATED



SOLID CARBIDE DIE & MOULD SOFT BULL NOSE - K4DSSR SERIES 45-60HRc

REGULAR SERIES								
Item code	Variant	Description	Dia	Corner Radius	SD	FL	OAL	List price
K4DSSR0300803050	0506	SC DSSR 4F 3x3x8x50xCR0.5 ALTiN Coating	3	0.5	3	8	50	2023
K4DSSR0300803050	1006	SC DSSR 4F 3x3x8x50xCR1 ALTiN Coating	3	1.0	3	8	50	2023
K4DSSR0401104050	0506	SC DSSR 4F 4x4x11x50xCR0.5 ALTiN Coating	4	0.5	4	11	50	2104
K4DSSR0401104050	1006	SC DSSR 4F 4x4x11x50xCR1 ALTiN Coating	4	1.0	4	11	50	2104
K4DSSR0501305050	0506	SC DSSR 4F 5x5x13x50xCR0.5 ALTiN Coating	5	0.5	5	13	50	2477
K4DSSR0501305050	1006	SC DSSR 4F 5x5x13x50xCR1 ALTiN Coating	5	1.0	5	13	50	2477
K4DSSR0601606050	0506	SC DSSR 4F 6x6x16x50xCR0.5 ALTiN Coating	6	0.5	6	16	50	2741
K4DSSR0601606050	1006	SC DSSR 4F 6x6x16x50xCR1 ALTiN Coating	6	1.0	6	16	50	2741
K4DSSR0802008060	0506	SC DSSR 4F 8x8x20x60xCR0.5 ALTiN Coating	8	0.5	8	20	60	4007
K4DSSR0802008060	1006	SC DSSR 4F 8x8x20x60xCR1 ALTiN Coating	8	1.0	8	20	60	4007
K4DSSR1002510075	0506	SC DSSR 4F 10x10x25x75xCR0.5 ALTiN Coating	10	0.5	10	25	75	6058
K4DSSR1002510075	1006	SC DSSR 4F 10x10x25x75xCR1 ALTiN Coating	10	1.0	10	25	75	6058
K4DSSR1203012075	1006	SC DSSR 4F 12x12x30x75xCR1 ALTiN Coating	12	1.0	12	30	75	8005
K4DSSR1203012075	2006	SC DSSR 4F 12x12x30x75xCR2 ALTiN Coating	12	2.0	12	30	75	8005
LONG SERIES								
Item code	Variant	Description	Dia	Corner Radius	SD	FL	OAL	List price
K4DSSR0300803075	05L6	SC DSSR 4F 3x3x8x75xCR0.5 ALTiN Coating	3	0.5	3	8	75	2675
K4DSSR0300803075	10L6	SC DSSR 4F 3x3x8x75xCR1 ALTiN Coating	3	1.0	3	8	75	2675
K4DSSR0401104075	05L6	SC DSSR 4F 4x4x11x75xCR0.5 ALTiN Coating	4	0.5	4	11	75	2845
K4DSSR0401104075	10L6	SC DSSR 4F 4x4x11x75xCR1 ALTiN Coating	4	1.0	4	11	75	2845
K4DSSR0501305075	05L6	SC DSSR 4F 5x5x13x75xCR0.5 ALTiN Coating	5	0.5	5	13	75	3100
K4DSSR0501305075	10L6	SC DSSR 4F 5x5x13x75xCR1 ALTiN Coating	5	1.0	5	13	75	3100
K4DSSR0601606075	05L6	SC DSSR 4F 6x6x16x75xCR0.5 ALTiN Coating	6	0.5	6	16	75	3462
K4DSSR0601606075	10L6	SC DSSR 4F 6x6x16x75xCR1 ALTiN Coating	6	1.0	6	16	75	3462
K4DSSR0601606100	05L6	SC DSSR 4F 6x6x16x100xCR0.5 ALTiN Coating	6	0.5	6	16	100	3981
K4DSSR0601606100	10L6	SC DSSR 4F 6x6x16x100xCR1 ALTiN Coating	6	1.0	6	16	100	3981
K4DSSR0802008075	05L6	SC DSSR 4F 8x8x20x75xCR0.5 ALTiN Coating	8	0.5	8	20	75	4593
K4DSSR0802008075	10L6	SC DSSR 4F 8x8x20x75xCR1 ALTiN Coating	8	1.0	8	20	75	4593
K4DSSR0802008100	05L6	SC DSSR 4F 8x8x20x100xCR0.5 ALTiN Coating	8	0.5	8	20	100	5851
K4DSSR0802008100	10L6	SC DSSR 4F 8x8x20x100xCR1 ALTiN Coating	8	1.0	8	20	100	5851
K4DSSR1002510100	05L6	SC DSSR 4F 10x10x25x100xCR0.5 ALTiN Coating	10	0.5	10	25	100	8148
K4DSSR1002510100	10L6	SC DSSR 4F 10x10x25x100xCR1 ALTiN Coating	10	1.0	10	25	100	8148
K4DSSR1203012100	10L6	SC DSSR 4F 12x12x30x100xCR1 ALTiN Coating	12	1.0	12	30	100	10856
K4DSSR1203012100	20L6	SC DSSR 4F 12x12x30x100xCR2 ALTiN Coating	12	2.0	12	30	100	10856
EXTRA LONG SERIES								
Item code	Variant	Description	Dia	Corner Radius	SD	FL	OAL	List price
K4DSSR0601606150	05X6	SC DSSR 4F 6x6x16x150xCR0.5 ALTiN Coating	6	0.5	6	16	150	5643
K4DSSR0601606150	10X6	SC DSSR 4F 6x6x16x150xCR1 ALTiN Coating	6	1.0	6	16	150	5643
K4DSSR0802008150	05X6	SC DSSR 4F 8x8x20x150xCR0.5 ALTiN Coating	8	0.5	8	20	150	8005
K4DSSR0802008150	10X6	SC DSSR 4F 8x8x20x150xCR1 ALTiN Coating	8	1.0	8	20	150	8005
K4DSSR1002510150	05X6	SC DSSR 4F 10x10x25x150xCR0.5 ALTiN Coating	10	0.5	10	25	150	10115
K4DSSR1002510150	10X6	SC DSSR 4F 10x10x25x150xCR1 ALTiN Coating	10	1.0	10	25	150	10115
K4DSSR1203012150	10X6	SC DSSR 4F 12x12x30x150xCR1 ALTiN Coating	12	1.0	12	30	150	15499
K4DSSR1203012150	20X6	SC DSSR 4F 12x12x30x150xCR2 ALTiN Coating	12	2.0	12	30	150	15499

0506, 1006, 2006	ALTiN COATED
05L6, 10L6, 20L6	ALTiN COATED
05X6, 10X6, 20X6	ALTiN COATED

SOLID CARBIDE DIE & MOULD HARD END MILLS - K4DHSE SERIES ABOVE 60HRc

REGULAR SERIES

Item code	Variant	Description	Dia	Sh.Dia	FL	OAL	List price
K4DHSE0100303050	0009	SC DHSE 4F 1x3x3x50 TISINOS Coating	1	3	3	50	1642
K4DHSE0200503050	0009	SC DHSE 4F 2x3x5x50 TISINOS Coating	2	3	5	50	1577
K4DHSE0301003050	0009	SC DHSE 4F 3x3x10x50 TISINOS Coating	3	3	10	50	1525
K4DHSE0301204050	0009	SC DHSE 4F 3x4x12x50 TISINOS Coating	3	4	12	50	1822
K4DHSE0401204050	0009	SC DHSE 4F 4x4x12x50 TISINOS Coating	4	4	12	50	1898
K4DHSE0501305050	0009	SC DHSE 4F 5x5x13x50 TISINOS Coating	5	5	13	50	2238
K4DHSE0601506060	0009	SC DHSE 4F 6x6x15x60 TISINOS Coating	6	6	15	60	2989
K4DHSE0802008060	0009	SC DHSE 4F 8x8x20x60 TISINOS Coating	8	8	20	60	4005
K4DHSE1002510075	0009	SC DHSE 4F 10x10x25x75 TISINOS Coating	10	10	25	75	6243
K4DHSE1203012075	0009	SC DHSE 4F 12x12x30x75 TISINOS Coating	12	12	30	75	8130
K4DHSE1403214075	0009	SC DHSE 4F 14x14x32x75 TISINOS Coating	14	14	32	75	10973
K4DHSE1603216100	0009	SC DHSE 4F 16x16x32x100 TISINOS Coating	16	16	32	100	16687
K4DHSE1803818100	0009	SC DHSE 4F 18x18x38x100 TISINOS Coating	18	18	38	100	20820
K4DHSE2003820100	0009	SC DHSE 4F 20x20x38x100 TISINOS Coating	20	20	38	100	25736

LONG SERIES

Item code	Variant	Description	Dia	Sh.Dia	FL	OAL	List price
K4DHSE0301203075	00L9	SC DHSE 4F 3x3x12x75 TISINOS Coating	3	3	12	75	2057
K4DHSE0401604075	00L9	SC DHSE 4F 4x4x16x75 TISINOS Coating	4	4	16	75	3049
K4DHSE0502005075	00L9	SC DHSE 4F 5x5x20x75 TISINOS Coating	5	5	20	75	2935
K4DHSE0602006075	00L9	SC DHSE 4F 6x6x20x75 TISINOS Coating	6	6	20	75	3454
K4DHSE0802008075	00L9	SC DHSE 4F 8x8x20x75 TISINOS Coating	8	8	20	75	4628
K4DHSE1002510100	00L9	SC DHSE 4F 10x10x25x100 TISINOS Coating	10	10	25	100	8807
K4DHSE1203012100	00L9	SC DHSE 4F 12x12x30x100 TISINOS Coating	12	12	30	100	11681
K4DHSE1604516120	00L9	SC DHSE 4F 16x16x45x120 TISINOS Coating	16	16	45	120	22341
K4DHSE2004520120	00L9	SC DHSE 4F 20x20x45x120 TISINOS Coating	20	20	45	120	40425

EXTRA LONG SERIES

Item code	Variant	Description	Dia	Sh.Dia	FL	OAL	List price
K4DHSE0301203100	00X9	SC DHSE 4F 3x3x12x100 TISINOS Coating	3	3	12	100	2321
K4DHSE0401604100	00X9	SC DHSE 4F 4x4x16x100 TISINOS Coating	4	4	16	100	3008
K4DHSE0502005100	00X9	SC DHSE 4F 5x5x20x100 TISINOS Coating	5	5	20	100	3547
K4DHSE0602006100	00X9	SC DHSE 4F 6x6x20x100 TISINOS Coating	6	6	20	100	4056
K4DHSE0602006150	00X9	SC DHSE 4F 6x6x20x150 TISINOS Coating	6	6	20	150	5383
K4DHSE0802008100	00X9	SC DHSE 4F 8x8x20x100 TISINOS Coating	8	8	20	100	6100
K4DHSE0802008150	00X9	SC DHSE 4F 8x8x20x150 TISINOS Coating	8	8	20	150	7872
K4DHSE1002510150	00X9	SC DHSE 4F 10x10x25x150 TISINOS Coating	10	10	25	150	10855
K4DHSE1203012150	00X9	SC DHSE 4F 12x12x30x150 TISINOS Coating	12	12	30	150	15239
K4DHSE1604516150	00X9	SC DHSE 4F 16x16x45x150 TISINOS Coating	16	16	45	150	24204
K4DHSE2004520150	00X9	SC DHSE 4F 20x20x45x150 TISINOS Coating	20	20	45	150	40323

0009	TISINOS COATED
00L9	TISINOS COATED
00X9	TISINOS COATED

SOLID CARBIDE DIE & MOULD HARD BALL NOSE - K2DHSB SERIES ABOVE 60HRc

REGULAR SERIES

Item code	Variant	Description	Dia	Sh.Dia	FL	OAL	List price
K2DHSB0100304050	0009	SC DHSB 2F 1x4x3x50 TISINOS Coating	1	4	3	50	2030
K2DHSB0200404050	0009	SC DHSB 2F 2x4x4x50 TISINOS Coating	2	4	4	50	2030
K2DHSB0300603050	0009	SC DHSB 2F 3x3x6x50 TISINOS Coating	3	3	6	50	1988
K2DHSB0400804050	0009	SC DHSB 2F 4x4x8x50 TISINOS Coating	4	4	8	50	2222
K2DHSB0501305050	0009	SC DHSB 2F 5x5x13x50 TISINOS Coating	5	5	13	50	2733
K2DHSB0601206060	0009	SC DHSB 2F 6x6x12x60 TISINOS Coating	6	6	12	60	3469
K2DHSB0801408060	0009	SC DHSB 2F 8x8x14x60 TISINOS Coating	8	8	14	60	4484
K2DHSB1002210075	0009	SC DHSB 2F 10x10x22x75 TISINOS Coating	10	10	22	75	7939
K2DHSB1202512075	0009	SC DHSB 2F 12x12x25x75 TISINOS Coating	12	12	25	75	10225
K2DHSB1603216100	0009	SC DHSB 2F 16x16x32x100 TISINOS Coating	16	16	32	100	18318
K2DHSB2003220100	0009	SC DHSB 2F 20x20x32x100 TISINOS Coating	20	20	32	100	37559

LONG SERIES

Item code	Variant	Description	Dia	Sh.Dia	FL	OAL	List price
K2DHSB0300603075	00L9	SC DHSB 2F 3x3x6x75 TISINOS Coating	3	3	6	75	2565
K2DHSB0400804075	00L9	SC DHSB 2F 4x4x8x75 TISINOS Coating	4	4	8	75	2979
K2DHSB0501005075	00L9	SC DHSB 2F 5x5x10x75 TISINOS Coating	5	5	10	75	3516
K2DHSB0601206075	00L9	SC DHSB 2F 6x6x12x75 TISINOS Coating	6	6	12	75	4069
K2DHSB0801608075	00L9	SC DHSB 2F 8x8x16x75 TISINOS Coating	8	8	16	75	5575
K2DHSB1002210100	00L9	SC DHSB 2F 10x10x22x100 TISINOS Coating	10	10	22	100	9664
K2DHSB1202512100	00L9	SC DHSB 2F 12x12x25x100 TISINOS Coating	12	12	25	100	12513

EXTRA LONG SERIES

Item code	Variant	Description	Dia	Sh.Dia	FL	OAL	List price
K2DHSB0400804100	00X9	SC DHSB 2F 4x4x8x100 TISINOS Coating	4	4	8	100	3465
K2DHSB0501005100	00X9	SC DHSB 2F 5x5x10x100 TISINOS Coating	5	5	10	100	4179
K2DHSB0601206100	00X9	SC DHSB 2F 6x6x12x100 TISINOS Coating	6	6	12	100	4871
K2DHSB0601206150	00X9	SC DHSB 2F 6x6x12x150 TISINOS Coating	6	6	12	150	6308
K2DHSB0801608100	00X9	SC DHSB 2F 8x8x16x100 TISINOS Coating	8	8	16	100	6765
K2DHSB0801608150	00X9	SC DHSB 2F 8x8x16x150 TISINOS Coating	8	8	16	150	8948
K2DHSB1002210150	00X9	SC DHSB 2F 10x10x22x150 TISINOS Coating	10	10	22	150	12832
K2DHSB1202512150	00X9	SC DHSB 2F 12x12x25x150 TISINOS Coating	12	12	25	150	16873

0009	TISINOS COATED
00L9	TISINOS COATED
00X9	TISINOS COATED

SOLID CARBIDE DIE & MOULD HARD BULL NOSE - K4DSSR SERIES 45-60HRc

REGULAR SERIES

Item code	Variant	Description	Dia	Corner Radius	SD	FL	OAL	List price
K4DHSR0300803050	0506	SC DHSR 4F 3x3x8x50xCR0.5 TISINOS Coating	3	0.5	3	8	50	2181
K4DHSR0300803050	1006	SC DHSR 4F 3x3x8x50xCR1 TISINOS Coating	3	1.0	3	8	50	2181
K4DHSR0401104050	0506	SC DHSR 4F 4x4x11x50xCR0.5 TISINOS Coating	4	0.5	4	11	50	2491
K4DHSR0401104050	1006	SC DHSR 4F 4x4x11x50xCR1 TISINOS Coating	4	1.0	4	11	50	2491
K4DHSR0501305050	0506	SC DHSR 4F 5x5x13x50xCR0.5 TISINOS Coating	5	0.5	5	13	50	2817
K4DHSR0501305050	1006	SC DHSR 4F 5x5x13x50xCR1 TISINOS Coating	5	1.0	5	13	50	2817
K4DHSR0601606050	0506	SC DHSR 4F 6x6x16x50xCR0.5 TISINOS Coating	6	0.5	6	16	50	3082
K4DHSR0601606050	1006	SC DHSR 4F 6x6x16x50xCR1 TISINOS Coating	6	1.0	6	16	50	3082
K4DHSR0802008060	0506	SC DHSR 4F 8x8x20x60xCR0.5 TISINOS Coating	8	0.5	8	20	60	5008
K4DHSR0802008060	1006	SC DHSR 4F 8x8x20x60xCR1 TISINOS Coating	8	1.0	8	20	60	5008
K4DHSR1002510075	0506	SC DHSR 4F 10x10x25x75xCR0.5 TISINOS Coating	10	0.5	10	25	75	7499
K4DHSR1002510075	1006	SC DHSR 4F 10x10x25x75xCR1 TISINOS Coating	10	1.0	10	25	75	7499
K4DHSR1203012075	1006	SC DHSR 4F 12x12x30x75xCR1 TISINOS Coating	12	1.0	12	30	75	9778
K4DHSR1203012075	2006	SC DHSR 4F 12x12x30x75xCR2 TISINOS Coating	12	2.0	12	30	75	9778

LONG SERIES

Item code	Variant	Description	Dia	Corner Radius	SD	FL	OAL	List price
K4DHSR0300803075	05L6	SC DHSR 4F 3x3x8x75xCR0.5 TISINOS Coating	3	0.5	3	8	75	2846
K4DHSR0300803075	10L6	SC DHSR 4F 3x3x8x75xCR1 TISINOS Coating	3	1.0	3	8	75	2846
K4DHSR0401104075	05L6	SC DHSR 4F 4x4x11x75xCR0.5 TISINOS Coating	4	0.5	4	11	75	3259
K4DHSR0401104075	10L6	SC DHSR 4F 4x4x11x75xCR1 TISINOS Coating	4	1.0	4	11	75	3259
K4DHSR0501305075	05L6	SC DHSR 4F 5x5x13x75xCR0.5 TISINOS Coating	5	0.5	5	13	75	3796
K4DHSR0501305075	10L6	SC DHSR 4F 5x5x13x75xCR1 TISINOS Coating	5	1.0	5	13	75	3796
K4DHSR0601606075	05L6	SC DHSR 4F 6x6x16x75xCR0.5 TISINOS Coating	6	0.5	6	16	75	4209
K4DHSR0601606075	10L6	SC DHSR 4F 6x6x16x75xCR1 TISINOS Coating	6	1.0	6	16	75	4209
K4DHSR0601606100	05L6	SC DHSR 4F 6x6x16x100xCR0.5 TISINOS Coating	6	0.5	6	16	100	4625
K4DHSR0601606100	10L6	SC DHSR 4F 6x6x16x100xCR1 TISINOS Coating	6	1.0	6	16	100	4625
K4DHSR0802008075	05L6	SC DHSR 4F 8x8x20x75xCR0.5 TISINOS Coating	8	0.5	8	20	75	5495
K4DHSR0802008075	10L6	SC DHSR 4F 8x8x20x75xCR1 TISINOS Coating	8	1.0	8	20	75	5495
K4DHSR0802008100	05L6	SC DHSR 4F 8x8x20x100xCR0.5 TISINOS Coating	8	0.5	8	20	100	6374
K4DHSR0802008100	10L6	SC DHSR 4F 8x8x20x100xCR1 TISINOS Coating	8	1.0	8	20	100	6374
K4DHSR1002510100	05L6	SC DHSR 4F 10x10x25x100xCR0.5 TISINOS Coating	10	0.5	10	25	100	8791
K4DHSR1002510100	10L6	SC DHSR 4F 10x10x25x100xCR1 TISINOS Coating	10	1.0	10	25	100	8791
K4DHSR1203012100	10L6	SC DHSR 4F 12x12x30x100xCR1 TISINOS Coating	12	1.0	12	30	100	12513
K4DHSR1203012100	20L6	SC DHSR 4F 12x12x30x100xCR2 TISINOS Coating	12	2.0	12	30	100	12513

EXTRA LONG SERIES

Item code	Variant	Description	Dia	Corner Radius	SD	FL	OAL	List price
K4DHSR0601606150	05X6	SC DHSR 4F 6x6x16x150xCR0.5 TISINOS Coating	6	0.5	6	16	150	6201
K4DHSR0601606150	10X6	SC DHSR 4F 6x6x16x150xCR1 TISINOS Coating	6	1.0	6	16	150	6201
K4DHSR0802008150	05X6	SC DHSR 4F 8x8x20x150xCR0.5 TISINOS Coating	8	0.5	8	20	150	8599
K4DHSR0802008150	10X6	SC DHSR 4F 8x8x20x150xCR1 TISINOS Coating	8	1.0	8	20	150	8599
K4DHSR1002510150	05X6	SC DHSR 4F 10x10x25x150xCR0.5 TISINOS Coating	10	0.5	10	25	150	10739
K4DHSR1002510150	10X6	SC DHSR 4F 10x10x25x150xCR1 TISINOS Coating	10	1.0	10	25	150	10739
K4DHSR1203012150	10X6	SC DHSR 4F 12x12x30x150xCR1 TISINOS Coating	12	1.0	12	30	150	16224
K4DHSR1203012150	20X6	SC DHSR 4F 12x12x30x150xCR2 TISINOS Coating	12	2.0	12	30	150	16224

0009	TISINOS COATED
00L9	TISINOS COATED
00X9	TISINOS COATED

MICRO GRAIN SOLID CARBIDE CENTRE DRILLS DIMENSIONS ACCORDING TO : IS : 6708 – 1977 CENTRE DRILL TYPE : Type A Point Angle : 120°				
Pilot Dia	Body Dia	OAL	List price	
mm - k12	mm - h9	mm	Uncoated	Coated
1	3.15	32	2499	2925
1.25	3.15	32	2499	2925
2	4.00	36	2528	2958
2.00	5.00	40	2543	2980
3	6.30	45	3451	4152
3.15	8.00	50	4089	4788
4	10.00	56	5408	6107
5.00	12.50	63	8436	9301
6	16.00	71	11518	12381
8.00	20.00	80	18289	20368

MICRO GRAIN SOLID CARBIDE CENTRE DRILLS DIMENSIONS ACCORDING TO: BS 328 / Part 2 / 1950 CENTRE DRILL TYPE : Type A Point Angle : 120°					
BS	Pilot Dia	Body Dia	OAL	List price	
NO	Inch	Inch	Inch	Uncoated	Coated
2	1/16	3/16	1-3/4	2505	2942
3	3/32	1/4	2	3451	4154
4	1/8	5/16	2-1/4	4089	4789
5	3/16	7/16	2-1/2	7758	8457
6	1/4	5/8	3	11518	12382
7	5/16	3/4	3-1/2	17904	19983

0000	UNCOATED
0001	TIN COATED
0003	TIALN COATED

MICRO GRAIN SOLID CARBIDE CHUCKING REAMER
DIMENSIONS ACCORDING TO : IS 5446 – 1978 / BS 328
TYPE : Straight Helix

Dia	Shank Dia	CEL	OAL	No. of Flutes	LIST PRICE	
					Uncoated	Coated
3.0	3.0	15	61	4	1815	2347
4.0	4.0	19	75	4	1922	2485
5.0	5.0	23	86	4	2136	2759
5.5	5.6	26	93	4	2520	3146
6.0	5.6	26	93	6	2723	3346
6.5	6.3	28	101	6	3040	4046
7.0	7.1	31	109	6	4054	5060
7.5	7.1	31	109	6	4331	5335
8.0	8.0	33	117	6	4823	5829
8.5	8.0	33	117	6	4871	5874
9.0	9.0	36	125	6	6455	7461
9.5	9.0	36	125	6	6918	7925
10.0	10.0	38	133	6	7063	9045
10.5	10.0	38	133	6	7408	9391
11.0	10.0	41	142	6	8649	10637
11.5	10.0	41	142	6	9099	11082
12.0	10.0	44	151	6	10329	12312
12.5	10.0	44	151	6	10973	13445
13.0	10.0	44	151	6	11460	13934
13.5	12.5	47	160	6	12555	15030
14.0	12.5	47	160	8	13524	15995
14.5	12.5	50	162	8	15752	18225
15.0	12.5	50	162	8	16148	18621
15.5	12.5	52	170	8	17525	19998
16.0	12.5	52	170	8	17587	20060

0000	UNCOATED
0001	TIN COATED
0003	TIALN COATED

Solid Carbide Products:

- ◆ Stub Drill
- ◆ Jobber Drill
- ◆ GP Drill-High feed
- ◆ GP Square nose end mill
- ◆ GP Ball nose end mill
- ◆ Die and Mould Series- End mill and Ball nose
- ◆ Customized Tools



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