



*Tools for a changing world*



## ROTARY SOLID CARBIDE TOOLS PRICE LIST (SC 53)



With Effective From February 20, 2026

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PRODUCT CAT	CAT	APPLICATION
DRILLS	STUB	GP- upto 45HRc
	JOBBER	GP- upto 45HRc
	GP -L/D-3	GP- upto 45HRc for High Feed
	GP -L/D-5	GP- upto 45HRc for High Feed
END MILLS	GP-END MILL	GP- upto 45HRc
	GP-BALL NOSE	GP- upto 45HRc
	DIE & MOULD SOFT - END MILL	DSSE - 45 to 60HRc
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	DIE & MOULD HARD- END MILL	DHSE - above 60HRc
	DIE & MOULD HARD - BALL NOSE	DHSB - above 60HRc
	DIE & MOULD HARD - BULL NOSE	DHSR - above 60HRc
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	1420	1592	K94600460	4.6	4.6	24	58	2373	2656
K94600110	1.1	1.1	7	28	1420	1592	K94600470	4.7	4.7	24	58	2373	2656
K94600120	1.2	1.2	8	30	1420	1592	K94600480	4.8	4.8	26	62	2592	2902
K94600130	1.3	1.3	8	30	1420	1592	K94600490	4.9	4.9	26	62	2592	2902
K94600140	1.4	1.4	9	32	1420	1592	K94600500	5	5	26	62	2703	3028
K94600150	1.5	1.5	9	32	1420	1592	K94600510	5.1	5.1	26	62	2723	3049
K94600160	1.6	1.6	10	34	1434	1605	K94600520	5.2	5.2	26	62	2817	3155
K94600170	1.7	1.7	10	34	1434	1605	K94600530	5.3	5.3	26	62	2913	3264
K94600180	1.8	1.8	11	36	1434	1605	K94600540	5.4	5.4	28	66	3013	3375
K94600190	1.9	1.9	11	36	1434	1605	K94600550	5.5	5.5	28	66	2942	3293
K94600200	2	2	12	38	1434	1605	K94600560	5.6	5.6	28	66	3144	3522
K94600210	2.1	2.1	12	38	1643	1840	K94600570	5.7	5.7	28	66	3181	3564
K94600220	2.2	2.2	13	40	1643	1840	K94600580	5.8	5.8	28	66	3222	3610
K94600230	2.3	2.3	13	40	1643	1840	K94600590	5.9	5.9	28	66	3253	3643
K94600240	2.4	2.4	14	43	1643	1840	K94600600	6	6	28	66	3155	3533
K94600250	2.5	2.5	14	43	1643	1840	K94600610	6.1	6.1	31	70	3649	4090
K94600260	2.6	2.6	14	43	1750	1961	K94600620	6.2	6.2	31	70	3649	4090
K94600270	2.7	2.7	16	46	1750	1961	K94600630	6.3	6.3	31	70	3649	4090
K94600280	2.8	2.8	16	46	1750	1961	K94600640	6.4	6.4	31	70	4092	4581
K94600290	2.9	2.9	16	46	1750	1961	K94600650	6.5	6.5	31	70	3887	4356
K94600300	3	3	16	46	1750	1961	K94600660	6.6	6.6	31	70	4480	5020
K94600310	3.1	3.1	18	49	1819	2036	K94600670	6.7	6.7	31	70	4708	5272
K94600320	3.2	3.2	18	49	1819	2036	K94600680	6.8	6.8	34	74	4480	5020
K94600330	3.3	3.3	18	49	1819	2036	K94600690	6.9	6.9	34	74	4480	5020
K94600340	3.4	3.4	20	52	1819	2036	K94600700	7	7	34	74	4256	4769
K94600350	3.5	3.5	20	52	1819	2036	K94600710	7.1	7.1	34	74	4895	5481
K94600360	3.6	3.6	20	52	1880	2110	K94600720	7.2	7.2	34	74	4895	5481
K94600370	3.7	3.7	20	52	1967	2205	K94600730	7.3	7.3	34	74	4895	5481
K94600380	3.8	3.8	22	55	2051	2297	K94600740	7.4	7.4	34	74	5138	5756
K94600390	3.9	3.9	22	55	2134	2390	K94600750	7.5	7.5	34	74	4649	5209
K94600400	4	4	22	55	2221	2487	K94600760	7.6	7.6	37	79	5185	5803
K94600410	4.1	4.1	22	55	2249	2519	K94600770	7.7	7.7	37	79	5185	5803
K94600420	4.2	4.2	22	55	2279	2553	K94600780	7.8	7.8	37	79	5185	5803
K94600430	4.3	4.3	24	58	2300	2571	K94600790	7.9	7.9	37	79	5185	5803
K94600440	4.4	4.4	24	58	2342	2619	K94600800	8	8	37	79	4674	5236
K94600450	4.5	4.5	24	58	2373	2656	K94600810	8.1	8.1	37	79	5742	6429

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	5742	6429
K94600830	8.3	8.3	37	79	5742	6429
K94600840	8.4	8.4	37	79	6345	7103
K94600850	8.5	8.5	37	79	5742	6429
K94600860	8.6	8.6	40	84	6854	7680
K94600870	8.7	8.7	40	84	6854	7680
K94600880	8.8	8.8	40	84	6854	7680
K94600890	8.9	8.9	40	84	6854	7680
K94600900	9	9	40	84	6587	7377
K94600910	9.1	9.1	40	84	7829	8766
K94600920	9.2	9.2	40	84	7829	8766
K94600930	9.3	9.3	40	84	7829	8766
K94600940	9.4	9.4	40	84	8216	9205
K94600950	9.5	9.5	40	84	6503	7284
K94600960	9.6	9.6	43	89	8288	9286
K94600970	9.7	9.7	43	89	8288	9286
K94600980	9.8	9.8	43	89	8288	9286
K94600990	9.9	9.9	43	89	8985	10063
K94601000	10	10	43	89	8053	9022
K94601010	10.1	10.1	43	89	8528	9550
K94601020	10.2	10.2	43	89	8528	9550
K94601030	10.3	10.3	43	89	8528	9550
K94601040	10.4	10.4	43	89	8528	9550
K94601050	10.5	10.5	43	89	9156	10257
K94601060	10.6	10.6	43	89	9156	10257
K94601070	10.7	10.7	47	95	9156	10257
K94601080	10.8	10.8	47	95	9156	10257
K94601090	10.9	10.9	47	95	9156	10257
K94601100	11	11	47	95	9469	10607
K94601110	11.1	11.1	47	95	9469	10607
K94601120	11.2	11.2	47	95	9469	10607
K94601130	11.3	11.3	47	95	9469	10607
K94601140	11.4	11.4	47	95	9469	10607
K94601150	11.5	11.5	47	95	10110	11496
K94601160	11.6	11.6	47	95	11369	12727
K94601170	11.7	11.7	47	95	11369	12727

  

Item code	Drill Dia	Shank Dia	Flute Length	Overall length	List_Price	
					Uncoated	Coated
K94601180	11.8	11.8	47	95	11369	12727
K94601190	11.9	11.9	51	102	11369	12727
K94601200	12	12	51	102	11369	12727
K94601210	12.1	12.1	51	102	11662	13059
K94601220	12.2	12.2	51	102	11662	13059
K94601230	12.3	12.3	51	102	11662	13059
K94601240	12.4	12.4	51	102	11662	13059
K94601250	12.5	12.5	51	102	11662	13059
K94601260	12.6	12.6	51	102	15114	16925
K94601270	12.7	12.7	51	102	15114	16925
K94601280	12.8	12.8	51	102	15114	16925
K94601290	12.9	12.9	51	102	15114	16925
K94601300	13	13	51	102	15114	16925
K94601310	13.1	13.1	51	102	19741	22105
K94601320	13.2	13.2	51	102	19741	22105
K94601330	13.3	13.3	54	107	19741	22105
K94601340	13.4	13.4	54	107	19741	22105
K94601350	13.5	13.5	54	107	19741	22105
K94601360	13.6	13.6	54	107	19741	22105
K94601370	13.7	13.7	54	107	19741	22105
K94601380	13.8	13.8	54	107	19741	22105
K94601390	13.9	13.9	54	107	19741	22105
K94601400	14	14	54	107	19741	22105
K94601450	14.5	14.5	56	111	19449	21738
K94601500	15	15	56	111	19449	21738
K94601550	15.5	15.5	58	115	20803	23092
K94601600	16	16	58	115	19628	21922
K94601650	16.5	16.5	60	119	31327	34989
K94601700	17	17	60	119	35294	38955
K94601750	17.5	17.5	62	123	36609	40271
K94601800	18	18	62	123	37300	40964
K94601850	18.5	18.5	64	127	41002	44664
K94601900	19	19	64	127	43273	46935
K94601950	19.5	19.5	66	131	44052	51375
K94602000	20	20	66	131	45242	52564

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	1637	1835	K81600460	4.6	4.6	47	80	2735	3057
K81600110	1.1	1.1	14	36	1637	1835	K81600470	4.7	4.7	47	80	2735	3057
K81600120	1.2	1.2	16	38	1637	1835	K81600480	4.8	4.8	52	86	2986	3342
K81600130	1.3	1.3	16	38	1637	1835	K81600490	4.9	4.9	52	86	2986	3342
K81600140	1.4	1.4	18	40	1637	1835	K81600500	5.0	5.0	52	86	3116	3488
K81600150	1.5	1.5	18	40	1637	1835	K81600510	5.1	5.1	52	86	3134	3512
K81600160	1.6	1.6	20	43	1651	1851	K81600520	5.2	5.2	52	86	3251	3639
K81600170	1.7	1.7	20	43	1651	1851	K81600530	5.3	5.3	52	86	3361	3762
K81600180	1.8	1.8	22	46	1651	1851	K81600540	5.4	5.4	57	93	3474	3884
K81600190	1.9	1.9	22	46	1651	1851	K81600550	5.5	5.5	57	93	3390	3796
K81600200	2	2	24	49	1651	1851	K81600560	5.6	5.6	57	93	3623	4059
K81600210	2.1	2.1	24	49	1895	2120	K81600570	5.7	5.7	57	93	3667	4105
K81600220	2.2	2.2	27	53	1895	2120	K81600580	5.8	5.8	57	93	3720	4161
K81600230	2.3	2.3	27	53	1895	2120	K81600590	5.9	5.9	57	93	3747	4196
K81600240	2.4	2.4	30	57	1895	2120	K81600600	6.0	6.0	57	93	3639	4072
K81600250	2.5	2.5	30	57	1895	2120	K81600610	6.1	6.1	63	101	4209	4711
K81600260	2.6	2.6	30	57	2017	2257	K81600620	6.2	6.2	63	101	4209	4711
K81600270	2.7	2.7	33	61	2017	2257	K81600630	6.3	6.3	63	101	4209	4711
K81600280	2.8	2.8	33	61	2017	2257	K81600640	6.4	6.4	63	101	4716	5280
K81600290	2.9	2.9	33	61	2017	2257	K81600650	6.5	6.5	63	101	4480	5020
K81600300	3	3	33	61	2017	2257	K81600660	6.6	6.6	63	101	5169	5783
K81600310	3.1	3.1	36	65	2097	2348	K81600670	6.7	6.7	63	101	5426	6084
K81600320	3.2	3.2	36	65	2097	2348	K81600680	6.8	6.8	69	109	5169	5783
K81600330	3.3	3.3	36	65	2097	2348	K81600690	6.9	6.9	69	109	5169	5783
K81600340	3.4	3.4	39	70	2097	2348	K81600700	7.0	7.0	69	109	4909	5497
K81600350	3.5	3.5	39	70	2097	2348	K81600710	7.1	7.1	69	109	5642	6315
K81600360	3.6	3.6	39	70	2171	2429	K81600720	7.2	7.2	69	109	5642	6315
K81600370	3.7	3.7	39	70	2266	2538	K81600730	7.3	7.3	69	109	5642	6315
K81600380	3.8	3.8	43	75	2365	2645	K81600740	7.4	7.4	69	109	5925	6632
K81600390	3.9	3.9	43	75	2461	2757	K81600750	7.5	7.5	69	109	5358	6004
K81600400	4	4	43	75	2561	2862	K81600760	7.6	7.6	75	117	5977	6696
K81600410	4.1	4.1	43	75	2592	2904	K81600770	7.7	7.7	75	117	5977	6696
K81600420	4.2	4.2	43	75	2629	2941	K81600780	7.8	7.8	75	117	5977	6696
K81600430	4.3	4.3	47	80	2648	2968	K81600790	7.9	7.9	75	117	5977	6696
K81600440	4.4	4.4	47	80	2698	3020	K81600800	8.0	8.0	75	117	5392	6033
K81600450	4.5	4.5	47	80	2735	3057	K81600810	8.1	8.1	75	117	6619	7412

2C00	UNCOATED
2C01	TIN COATED
2C03	TIALN COATED

## SOLID CARBIDE JOBBER DRILL- K816 SERIES UPTO 45HRc

Item code	Drill Dia	Shank Dia	Flute Lengt	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	6619	7412	K81601180	11.8	11.8	94	142.0	13106	14675
K81600830	8.3	8.3	75	117.0	6619	7412	K81601190	11.9	11.9	101	151.0	13106	14675
K81600840	8.4	8.4	75	117.0	7316	8191	K81601200	12.0	12.0	101	151.0	13106	14675
K81600850	8.5	8.5	75	117.0	6619	7412	K81601210	12.1	12.1	101	151.0	18899	23460
K81600860	8.6	8.6	81	125.0	7902	8853	K81601220	12.2	12.2	101	151.0	20149	24713
K81600870	8.7	8.7	81	125.0	7902	8853	K81601230	12.3	12.3	101	151.0	20149	24713
K81600880	8.8	8.8	81	125.0	7902	8853	K81601240	12.4	12.4	101	151.0	20149	24713
K81600890	8.9	8.9	81	125.0	7902	8853	K81601250	12.5	12.5	101	151.0	20149	24713
K81600900	9.0	9.0	81	125.0	7591	8505	K81601260	12.6	12.6	101	151.0	20149	24713
K81600910	9.1	9.1	81	125.0	9024	10108	K81601270	12.7	12.7	101	151.0	21093	25662
K81600920	9.2	9.2	81	125.0	9024	10108	K81601280	12.8	12.8	101	151.0	21093	25662
K81600930	9.3	9.3	81	125.0	9024	10108	K81601290	12.9	12.9	101	151.0	21093	25662
K81600940	9.4	9.4	81	125.0	9474	10611	K81601300	13.0	13.0	101	151.0	21186	25749
K81600950	9.5	9.5	81	125.0	9474	10611	K81601310	13.1	13.1	101	151.0	21217	25783
K81600960	9.6	9.6	87	133.0	9555	10702	K81601320	13.2	13.2	101	151.0	23035	27596
K81600970	9.7	9.7	87	133.0	9555	10702	K81601330	13.3	13.3	108	160.0	23035	27596
K81600980	9.8	9.8	87	133.0	9555	10702	K81601340	13.4	13.4	108	160.0	23035	27596
K81600990	9.9	9.9	87	133.0	10364	11604	K81601350	13.5	13.5	108	160.0	23035	27596
K81601000	10.0	10.0	87	133.0	9836	10397	K81601360	13.6	13.6	108	160.0	23035	27596
K81601010	10.1	10.1	87	133.0	9836	10397	K81601370	13.7	13.7	108	160.0	23737	28299
K81601020	10.2	10.2	87	133.0	9830	11011	K81601380	13.8	13.8	108	160.0	23737	28299
K81601030	10.3	10.3	87	133.0	9830	11011	K81601390	13.9	13.9	108	160.0	23737	28299
K81601040	10.4	10.4	87	133.0	9830	11011	K81601400	14.0	14.0	108	160.0	24169	28730
K81601050	10.5	10.5	87	133.0	10556	11826	K81601450	14.5	14.5	114	169.0	27439	32003
K81601060	10.6	10.6	87	133.0	10556	11826	K81601500	15.0	15.0	114	169.0	27866	32429
K81601070	10.7	10.7	94	142.0	10921	12232	K81601550	15.5	15.5	120	178.0	35058	39619
K81601080	10.8	10.8	94	142.0	10921	12232	K81601600	16.0	16.0	120	178.0	33826	38390
K81601090	10.9	10.9	94	142.0	10921	12232	K81601650	16.5	16.5	125	184.0	33641	40967
K81601100	11.0	11.0	94	142.0	10921	12232	K81601700	17.0	17.0	125	184.0	37693	44972
K81601110	11.1	11.1	94	142.0	11836	13498	K81601750	17.5	17.5	130	191.0	38650	45976
K81601120	11.2	11.2	94	142.0	11836	13498	K81601800	18.0	18.0	130	191.0	39344	46663
K81601130	11.3	11.3	94	142.0	11836	13498	K81601850	18.5	18.5	135	198.0	47421	54740
K81601140	11.4	11.4	94	142.0	11836	13498	K81601900	19.0	19.0	135	198.0	51051	58375
K81601150	11.5	11.5	94	142.0	11836	13498	K81601950	19.5	19.5	140	205.0	52894	60216
K81601160	11.6	11.6	94	142.0	13106	14675	K81602000	20.0	20.0	140	205.0	54285	61607
K81601170	11.7	11.7	94	142.0	13106	14675							

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	3533	K2GPR30640340879	0003	6.4	8	34	79	6339
K2GPR30310200662	0003	3.1	6	20	62	3533	K2GPR30650340879	0003	6.5	8	34	79	6339
K2GPR30320200662	0003	3.2	6	20	62	3533	K2GPR30660340879	0003	6.6	8	34	79	6339
K2GPR30330200662	0003	3.3	6	20	62	3533	K2GPR30670340879	0003	6.7	8	34	79	6339
K2GPR30340200662	0003	3.4	6	20	62	3533	K2GPR30680340879	0003	6.8	8	34	79	6339
K2GPR30350200662	0003	3.5	6	20	62	3533	K2GPR30690340879	0003	6.9	8	34	79	6339
K2GPR30360200662	0003	3.6	6	20	62	3533	K2GPR30700340879	0003	7	8	34	79	6339
K2GPR30370200662	0003	3.7	6	20	62	3533	K2GPR30710410879	0003	7.1	8	41	79	6339
K2GPR30380240666	0003	3.8	6	24	66	3533	K2GPR30720410879	0003	7.2	8	41	79	6339
K2GPR30390240666	0003	3.9	6	24	66	3533	K2GPR30730410879	0003	7.3	8	41	79	6339
K2GPR30400240666	0003	4	6	24	66	3533	K2GPR30740410879	0003	7.4	8	41	79	6339
K2GPR30410240666	0003	4.1	6	24	66	4454	K2GPR30750410879	0003	7.5	8	41	79	6339
K2GPR30420240666	0003	4.2	6	24	66	4454	K2GPR30760410879	0003	7.6	8	41	79	6339
K2GPR30430240666	0003	4.3	6	24	66	4454	K2GPR30780410879	0003	7.8	8	41	79	6339
K2GPR30440240666	0003	4.4	6	24	66	4454	K2GPR30790410879	0003	7.9	8	41	79	6339
K2GPR30450240666	0003	4.5	6	24	66	4454	K2GPR30800410879	0003	8	8	41	79	6339
K2GPR30460240666	0003	4.6	6	24	66	4454	K2GPR30810471089	0003	8.1	10	47	89	9022
K2GPR30470240666	0003	4.7	6	24	66	4454	K2GPR30820471089	0003	8.2	10	47	89	9022
K2GPR30480280666	0003	4.8	6	28	66	4454	K2GPR30830471089	0003	8.3	10	47	89	9022
K2GPR30490280666	0003	4.9	6	28	66	4454	K2GPR30840471089	0003	8.4	10	47	89	9022
K2GPR30500280666	0003	5	6	28	66	4454	K2GPR30850471089	0003	8.5	10	47	89	9022
K2GPR30510280666	0003	5.1	6	28	66	4454	K2GPR30860471089	0003	8.6	10	47	89	9022
K2GPR30520280666	0003	5.3	6	28	66	4454	K2GPR30870471089	0003	8.7	10	47	89	9022
K2GPR30530280666	0003	5.3	6	28	66	4454	K2GPR30880471089	0003	8.8	10	47	89	9022
K2GPR30540280666	0003	5.4	6	28	66	4454	K2GPR30890471089	0003	8.9	10	47	89	9022
K2GPR30550280666	0003	5.5	6	28	66	4454	K2GPR30900471089	0003	9	10	47	89	9022
K2GPR30560280666	0003	5.6	6	28	66	4454	K2GPR30910471089	0003	9.1	10	47	89	9022
K2GPR30570280666	0003	5.7	6	28	66	4454	K2GPR30920471089	0003	9.2	10	47	89	9022
K2GPR30580280666	0003	5.8	6	28	66	4454	K2GPR30930471089	0003	9.3	10	47	89	9022
K2GPR30590280666	0003	5.9	6	28	66	4454	K2GPR30940471089	0003	9.4	10	47	89	9022
K2GPR30600280666	0003	6	6	28	66	4454	K2GPR30950471089	0003	9.5	10	47	89	9022
K2GPR30610340879	0003	6.1	8	34	79	6339	K2GPR30960471089	0003	9.6	10	47	89	9022
K2GPR30620340879	0003	6.2	8	34	79	6339	K2GPR30970471089	0003	9.7	10	47	89	9022
K2GPR30630340879	0003	6.3	8	34	79	6339	K2GPR30980471089	0003	9.8	10	47	89	9022

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	9022	K2GPR313206014A7	0003	13.2	14	60	107	19625
K2GPR31000471089	0003	10	10	47	89	9022	K2GPR313306014A7	0003	13.3	14	60	107	19625
K2GPR310105512A2	0003	10.1	12	55	102	15774	K2GPR313406014A7	0003	13.4	14	60	107	19625
K2GPR310205512A2	0003	10.2	12	55	102	15774	K2GPR313506014A7	0003	13.5	14	60	107	19625
K2GPR310305512A2	0003	10.3	12	55	102	15774	K2GPR313606014A7	0003	13.6	14	60	107	19625
K2GPR310405512A2	0003	10.4	12	55	102	15774	K2GPR313706014A7	0003	13.7	14	60	107	19625
K2GPR310505512A2	0003	10.5	12	55	102	15774	K2GPR313806014A7	0003	13.8	14	60	107	19625
K2GPR310605512A2	0003	10.6	12	55	102	15774	K2GPR313906014A7	0003	13.9	14	60	107	19625
K2GPR310705512A2	0003	10.7	12	55	102	15774	K2GPR314006014A7	0003	14	14	60	107	19625
K2GPR310805512A2	0003	10.8	12	55	102	15774	K2GPR314206516B5	0003	14.2	16	65	115	22100
K2GPR310905512A2	0003	10.9	12	55	102	15774	K2GPR314306516B5	0003	14.3	16	65	115	22100
K2GPR311005512A2	0003	11	12	55	102	15774	K2GPR314506516B5	0003	14.5	16	65	115	22100
K2GPR311105512A2	0003	11.1	12	55	102	15774	K2GPR314606516B5	0003	14.6	16	65	115	22100
K2GPR311205512A2	0003	11.2	12	55	102	15774	K2GPR314706516B5	0003	14.7	16	65	115	25231
K2GPR311305512A2	0003	11.3	12	55	102	15774	K2GPR314806516B5	0003	14.8	16	65	115	25231
K2GPR311405512A2	0003	11.4	12	55	102	15774	K2GPR315006516B5	0003	15	16	65	115	26126
K2GPR311505512A2	0003	11.5	12	55	102	15774	K2GPR315206516B5	0003	15.2	16	65	115	26126
K2GPR311605512A2	0003	11.6	12	55	102	15774	K2GPR315506516B5	0003	15.5	16	65	115	26126
K2GPR311705512A2	0003	11.7	12	55	102	15774	K2GPR315706516B5	0003	15.7	16	65	115	26126
K2GPR311805512A2	0003	11.8	12	55	102	15774	K2GPR315806516B5	0003	15.8	16	65	115	26126
K2GPR311905512A2	0003	11.9	12	55	102	15774	K2GPR316006516B5	0003	16	16	65	115	26126
K2GPR312005512A2	0003	12	12	55	102	15774	K2GPR316507318C3	0003	16.5	18	73	123	40964
K2GPR312106014A7	0003	12.1	14	60	107	19625	K2GPR316807318C3	0003	16.8	18	73	123	40964
K2GPR312206014A7	0003	12.2	14	60	107	19625	K2GPR317007318C3	0003	17	18	73	123	40964
K2GPR312306014A7	0003	12.3	14	60	107	19625	K2GPR317507318C3	0003	17.5	18	73	123	40964
K2GPR312406014A7	0003	12.4	14	60	107	19625	K2GPR317807318C3	0003	17.8	18	73	123	40964
K2GPR312506014A7	0003	12.5	14	60	107	19625	K2GPR318007318C3	0003	18	18	73	123	40964
K2GPR312606014A7	0003	12.6	14	60	107	19625	K2GPR318507920D1	0003	18.5	20	79	131	52564
K2GPR312706014A7	0003	12.7	14	60	107	19625	K2GPR319007920D1	0003	19	20	79	131	52564
K2GPR312806014A7	0003	12.8	14	60	107	19625	K2GPR319507920D1	0003	19.5	20	79	131	52564
K2GPR312906014A7	0003	12.9	14	60	107	19625	K2GPR319807920D1	0003	19.8	20	79	131	52564
K2GPR313006014A7	0003	13	14	60	107	19625	K2GPR320007920D1	0003	20	20	79	131	52564
K2GPR313106014A7	0003	13.1	14	60	107	19625							

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
K2GPR50300280666	0003	3	6	28	66	4138	K2GPR50640530891	0003	6.4	8	53	91	8006
K2GPR50310280666	0003	3.1	6	28	66	4138	K2GPR50650530891	0003	6.5	8	53	91	8006
K2GPR50320280666	0003	3.2	6	28	66	4138	K2GPR50660530891	0003	6.6	8	53	91	8006
K2GPR50330280666	0003	3.3	6	28	66	4138	K2GPR50670530891	0003	6.7	8	53	91	8006
K2GPR50340280666	0003	3.4	6	28	66	4138	K2GPR50680530891	0003	6.8	8	53	91	8006
K2GPR50350280666	0003	3.5	6	28	66	4138	K2GPR50690530891	0003	6.9	8	53	91	8006
K2GPR50360280666	0003	3.6	6	28	66	4138	K2GPR50700530891	0003	7	8	53	91	8006
K2GPR50370280666	0003	3.7	6	28	66	4138	K2GPR50710530891	0003	7.1	8	53	91	8006
K2GPR50380360674	0003	3.8	6	36	74	5032	K2GPR50720530891	0003	7.2	8	53	91	8006
K2GPR50390360674	0003	3.9	6	36	74	5032	K2GPR50730530891	0003	7.2	8	53	91	8006
K2GPR50400360674	0003	4	6	36	74	5032	K2GPR50740530891	0003	7.4	8	53	91	8006
K2GPR50410360674	0003	4.1	6	36	74	5032	K2GPR50750530891	0003	7.5	8	53	91	8006
K2GPR50420360674	0003	4.2	6	36	74	5032	K2GPR50760530891	0003	7.6	8	53	91	8006
K2GPR50430360674	0003	4.3	6	36	74	5032	K2GPR50770530891	0003	7.7	8	53	91	8006
K2GPR50440360674	0003	4.4	6	36	74	5032	K2GPR50780530891	0003	7.8	8	53	91	8006
K2GPR50450360674	0003	4.5	6	36	74	5032	K2GPR50790530891	0003	7.9	8	53	91	8006
K2GPR50460360674	0003	4.6	6	36	74	5032	K2GPR50800530891	0003	8	8	53	91	8006
K2GPR50470360674	0003	4.7	6	36	74	5032	K2GPR508106110A3	0003	8.1	10	61	103	11135
K2GPR50480440682	0003	4.8	6	44	82	5032	K2GPR508206110A3	0003	8.2	10	61	103	11135
K2GPR50490440682	0003	4.9	6	44	82	5032	K2GPR508306110A3	0003	8.3	10	61	103	11135
K2GPR50500440682	0003	5	6	44	82	5032	K2GPR508406110A3	0003	8.4	10	61	103	11135
K2GPR50510440682	0003	5.1	6	44	82	5032	K2GPR508506110A3	0003	8.5	10	61	103	11135
K2GPR50520440682	0003	5.2	6	44	82	5032	K2GPR508606110A3	0003	8.6	10	61	103	11135
K2GPR50530440682	0003	5.3	6	44	82	5032	K2GPR508706110A3	0003	8.7	10	61	103	11135
K2GPR50540440682	0003	5.4	6	44	82	5032	K2GPR508806110A3	0003	8.8	10	61	103	11135
K2GPR50550440682	0003	5.5	6	44	82	5032	K2GPR508906110A3	0003	8.9	10	61	103	11135
K2GPR50560440682	0003	5.6	6	44	82	5032	K2GPR509006110A3	0003	9	10	61	103	11317
K2GPR50570440682	0003	5.7	6	44	82	5032	K2GPR509106110A3	0003	9.1	10	61	103	11317
K2GPR50580440682	0003	5.8	6	44	82	5032	K2GPR509206110A3	0003	9.2	10	61	103	11317
K2GPR50590440682	0003	5.9	6	44	82	5032	K2GPR509306110A3	0003	9.3	10	61	103	11317
K2GPR50600440682	0003	6	6	44	82	5032	K2GPR509406110A3	0003	9.4	10	61	103	11317
K2GPR50610530891	0003	6.1	8	53	91	8006	K2GPR509506110A3	0003	9.5	10	61	103	11317
K2GPR50620530891	0003	6.2	8	53	91	8006	K2GPR509606110A3	0003	9.6	10	61	103	11317
K2GPR50630530891	0003	6.3	8	53	91	8006	K2GPR509706110A3	0003	9.7	10	61	103	11317

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
K2GPR509806110A3	0003	9.8	10	61	103	11317	K2GPR513107714C4	0003	13.1	14	77	124	22258
K2GPR509906110A3	0003	9.9	10	61	103	11317	K2GPR513207714C4	0003	13.2	14	77	124	22258
K2GPR510006110A3	0003	10	10	61	103	11317	K2GPR513307714C4	0003	13.3	14	77	124	22258
K2GPR510107112B8	0003	10.1	12	71	118	18416	K2GPR513407714C4	0003	13.4	14	77	124	22258
K2GPR510207112B8	0003	10.2	12	71	118	18416	K2GPR513507714C4	0003	13.5	14	77	124	22258
K2GPR510307112B8	0003	10.3	12	71	118	18416	K2GPR513607714C4	0003	13.6	14	77	124	22258
K2GPR510407112B8	0003	10.4	12	71	118	18416	K2GPR513707714C4	0003	13.7	14	77	124	22258
K2GPR510507112B8	0003	10.5	12	71	118	18416	K2GPR513807714C4	0003	13.8	14	77	124	22258
K2GPR510607112B8	0003	10.6	12	71	118	18416	K2GPR514007714C4	0003	14	14	77	124	22258
K2GPR510707112B8	0003	10.7	12	71	118	18416	K2GPR514208316D3	0003	14.2	16	83	133	27433
K2GPR510807112B8	0003	10.8	12	71	118	18416	K2GPR514308316D3	0003	14.3	16	83	133	27433
K2GPR510907112B8	0003	10.9	12	71	118	18416	K2GPR514508316D3	0003	14.3	16	83	133	27433
K2GPR511007112B8	0003	11	12	71	118	18416	K2GPR514608316D3	0003	14.6	16	83	133	27433
K2GPR511107112B8	0003	11.1	12	71	118	18416	K2GPR514708316D3	0003	14.7	16	83	133	27433
K2GPR511207112B8	0003	11.2	12	71	118	18416	K2GPR514808316D3	0003	14.8	16	83	133	27433
K2GPR511307112B8	0003	11.3	12	71	118	18416	K2GPR515008316D3	0003	15	16	83	133	28294
K2GPR511407112B8	0003	11.4	12	71	118	18416	K2GPR515208316D3	0003	15.3	16	83	133	28294
K2GPR511507112B8	0003	11.5	12	71	118	18416	K2GPR515508316D3	0003	15.5	16	83	133	28294
K2GPR511607112B8	0003	11.6	12	71	118	18416	K2GPR515708316D3	0003	15.7	16	83	133	28294
K2GPR511707112B8	0003	11.7	12	71	118	18416	K2GPR515808316D3	0003	15.8	16	83	133	28294
K2GPR511807112B8	0003	11.8	12	71	118	18416	K2GPR516008316D3	0003	16	16	83	133	28294
K2GPR511907112B8	0003	11.9	12	71	118	18416	K2GPR516509318E3	0003	16.5	18	93	143	41849
K2GPR512007112B8	0003	12	12	71	118	18416	K2GPR516809318E3	0003	16.8	18	93	143	41849
K2GPR512107714C4	0003	12.1	14	77	124	22258	K2GPR517009318E3	0003	17	18	93	143	41849
K2GPR512207714C4	0003	12.2	14	77	124	22258	K2GPR517509318E3	0003	17.5	18	93	143	41849
K2GPR512307714C4	0003	12	14	77	124	22258	K2GPR517809318E3	0003	17.8	18	93	143	41849
K2GPR512407714C4	0003	12.5	14	77	124	22258	K2GPR518009318E3	0003	18	18	93	143	41849
K2GPR512507714C4	0003	12.5	14	77	124	22258	K2GPR518510120F3	0003	18.5	20	101	153	49538
K2GPR512607714C4	0003	12.6	14	77	124	22258	K2GPR519010120F3	0003	19	20	101	153	49538
K2GPR512707714C4	0003	12.7	14	77	124	22258	K2GPR519510120F3	0003	19.5	20	101	153	49538
K2GPR512807714C4	0003	12.8	14	77	124	22258	K2GPR519810120F3	0003	19.8	20	101	153	49538
K2GPR512907714C4	0003	12.9	14	77	124	22258	K2GPR520010120F3	0003	20	20	101	153	49538
K2GPR513007714C4	0003	13	14	77	124	22258							

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

STUB SERIES						
Item code	Variant	CD	SD	FL	OAL	List Price
K4GPSE0300603038	00S3	3.0	3	6	38.0	1425
K4GPSE0300604038	00S3	3.0	4	6	38.0	2094
K4GPSE0300606038	00S3	3.0	6	6	38.0	1861
K4GPSE0350704050	00S3	3.5	4	7	50.0	2094
K4GPSE0400804050	00S3	4.0	4	8	50.0	1923
K4GPSE0400806050	00S3	4.0	6	8	50.0	2644
K4GPSE0501006050	00S3	5.0	6	10	50.0	2644
K4GPSE0551006054	00S3	5.5	6	10	54.0	2644
K4GPSE0601206054	00S3	6.0	6	12	54.0	2472
K4GPSE0701207054	00S3	7.0	7	12	54.0	2902
K4GPSE0701208054	00S3	7.0	8	12	54.0	3587
K4GPSE0801208054	00S3	8.0	8	12	54.0	3417
K4GPSE0901409066	00S3	9.0	9	14	66.0	4291
K4GPSE0901410066	00S3	9.0	10	14	66.0	6007
K4GPSE1001410066	00S3	10.0	10	14	66.0	5836
K4GPSE1101911073	00S3	11.0	11	19	73.0	7183
K4GPSE1101912073	00S3	11.0	12	19	73.0	7600
K4GPSE1201912073	00S3	12.0	12	19	73.0	7407
K4GPSE1302214075	00S3	13.0	14	22	75.0	11120
K4GPSE1402214075	00S3	14.0	14	22	75.0	10926
K4GPSE1502516082	00S3	15.0	16	25	82.0	12891
K4GPSE1602516082	00S3	16.0	16	25	82.0	12698
K4GPSE1702518084	00S3	17.0	18	25	84.0	18124
K4GPSE1802518084	00S3	18.0	18	25	84.0	17931
K4GPSE1902520084	00S3	19.0	20	25	84.0	28060
K4GPSE2002520084	00S3	20.0	20	25	84.0	27867

REGULAR SERIES						
Item code	Variant	CD	SD	FL	OAL	List Price
K4GPSE0201203038	0003	2.0	3	12	38.0	1701
K4GPSE0301203038	0003	3.0	3	12	38.0	1579
K4GPSE0301204038	0003	3.0	4	12	38.0	1716
K4GPSE0301206038	0003	3.0	6	12	38.0	1872
K4GPSE0351204050	0003	3.5	4	12	50.0	2249
K4GPSE0401404050	0003	4.0	4	14	50.0	2077
K4GPSE0401406050	0003	4.0	6	14	50.0	2578
K4GPSE0451605050	0003	4.5	5	16	50.0	2781
K4GPSE0501605050	0003	5.0	5	16	50.0	2609
K4GPSE0501606050	0003	5.0	6	16	50.0	2578
K4GPSE0551606056	0003	5.5	6	16	56.0	2885
K4GPSE0601906056	0003	6.0	6	19	56.0	2713
K4GPSE0701907063	0003	7.0	7	19	63.0	3261
K4GPSE0802008063	0003	8.0	8	20	63.0	3296
K4GPSE0852209075	0003	8.5	9	22	75.0	5218
K4GPSE0902209075	0003	9.0	9	22	75.0	4790
K4GPSE1002210075	0003	10.0	10	22	75.0	5579
K4GPSE1102511075	0003	11.0	11	25	75.0	7174
K4GPSE1202512075	0003	12.0	12	25	75.0	7483
K4GPSE1302514075	0003	13.0	14	25	75.0	13614
K4GPSE1403214089	0003	14.0	14	32	89.0	13421
K4GPSE1503216089	0003	15.0	16	32	89.0	15571
K4GPSE1603216089	0003	16.0	16	32	89.0	14193
K4GPSE1803818100	0003	18.0	18	38	100.0	22012
K4GPSE1903820100	0003	19.0	20	38	100.0	30894
K4GPSE2003820100	0003	20.0	20	38	100.0	30894
K4GPSE2203822100	0003	22.0	22	38	100.0	33984
K4GPSE2503825100	0003	25.0	25	38	100.0	42625

LONG SERIES						
Item code	Variant	CD	SD	FL	OAL	List Price
K4GPSE0302503075	00L3	3.0	3	25	75.0	2935
K4GPSE0302504075	00L3	3.0	4	25	75.0	3433
K4GPSE0402504075	00L3	4.0	4	25	75.0	3261
K4GPSE0502505075	00L3	5.0	5	25	75.0	3691
K4GPSE0502506075	00L3	5.0	6	25	75.0	4000
K4GPSE0602506075	00L3	6.0	6	25	75.0	3828
K4GPSE0803008075	00L3	8.0	8	30	75.0	4377
K4GPSE1004010100	00L3	10.0	10	40	100.0	6957
K4GPSE1005010100	00L3	10.0	10	50	100.0	7270
K4GPSE1205012100	00L3	12.0	12	50	100.0	10733
K4GPSE1405014100	00L3	14.0	14	50	100.0	18370
K4GPSE1605016100	00L3	16.0	16	50	100.0	21623
K4GPSE1805018100	00L3	18.0	18	50	100.0	28891
K4GPSE2005020100	00L3	20.0	20	50	100.0	37663
K4GPSE2507525150	00L3	25.0	25	75	150.0	72372

EXTRA LONG SERIES						
Item code	Variant	CD	SD	FL	OAL	List Price
K4GPSE0302504100	00X3	3.0	4	25	100.0	3674
K4GPSE0402504100	00X3	4.0	4	25	100.0	4104
K4GPSE0502506100	00X3	5.0	6	25	100.0	4793
K4GPSE0603006100	00X3	6.0	6	30	100.0	4793
K4GPSE0803508100	00X3	8.0	8	35	100.0	6362
K4GPSE0804008120	00X3	8.0	8	40	120.0	7950
K4GPSE0805008150	00X3	8.0	8	50	150.0	7950
K4GPSE1007510150	00X3	10.0	10	75	150.0	8653
K4GPSE1207512150	00X3	12.0	12	75	150.0	21773
K4GPSE1407514150	00X3	14.0	14	75	150.0	34441
K4GPSE1607516150	00X3	16.0	16	75	150.0	40542
K4GPSE1807518150	00X3	18.0	18	75	150.0	54172
K4GPSE2007520150	00X3	20.0	20	75	150.0	70517

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	1680
K4GPSB0400804050	00S3	4.0	4	8	50	2266
K4GPSB0501005050	00S3	5.0	5	10	50	2833
K4GPSB0501006050	00S3	5.0	6	10	50	3056
K4GPSB0601206050	00S3	6.0	6	12	50	2885
K4GPSB0801208050	00S3	8.0	8	12	50	3425
K4GPSB1001610056	00S3	10.0	10	16	56	5880
K4GPSB1201912063	00S3	12.0	12	19	63	7569
K4GPSB1401914070	00S3	14.0	14	19	70	13516
K4GPSB1602516076	00S3	16.0	16	25	76	14289
K4GPSB2002520076	00S3	20.0	20	25	76	27805
REGULAR SERIES						
Item code	Variant	Cutting Dia	Shank Dia	Flute Length	Overall Length	List Price
K4GPSB0251203038	0003	2.5	3	12	38	2096
K4GPSB0301203038	0003	3.0	3	12	38	1863
K4GPSB0301204038	0003	3.0	4	12	38	2038
K4GPSB0301206038	0003	3.0	6	12	38	2266
K4GPSB0401404050	0003	4.0	4	14	50	2455
K4GPSB0401406050	0003	4.0	6	14	50	3050
K4GPSB0501605050	0003	5.0	5	16	50	3089
K4GPSB0501606050	0003	5.0	6	16	50	3050
K4GPSB0601906056	0003	6.0	6	19	56	3225
K4GPSB0802008063	0003	8.0	8	20	63	3768
K4GPSB1002210075	0003	10.0	10	22	75	6574
K4GPSB1202512075	0003	12.0	12	25	75	8854
K4GPSB1403214089	0003	14.0	14	32	89	17467
K4GPSB1603216089	0003	16.0	16	32	89	16781
K4GPSB1803818100	0003	18.0	18	38	100	26049
K4GPSB2003820100	0003	20.0	20	38	100	36707
K4GPSB2504025100	0003	25.0	25	40	100	50246
LONG SERIES						
Item code	Variant	Cutting Dia	Shank Dia	Flute Length	Overall Length	List Price
K4GPSB0302003075	00L3	3.0	3	20	75	3452
K4GPSB0302004075	00L3	3.0	4	20	75	4022
K4GPSB0402004075	00L3	4.0	4	20	75	3850
K4GPSB0502506075	00L3	5.0	6	25	75	4696
K4GPSB0602506075	00L3	6.0	6	25	75	4524
K4GPSB0802508089	00L3	8.0	8	25	89	6113
K4GPSB1003010089	00L3	10.0	10	30	89	7201
K4GPSB1004010100	00L3	10.0	10	40	100	8141
K4GPSB1203012100	00L3	12.0	12	30	100	12021
K4GPSB1604516100	00L3	16.0	16	45	100	19467
K4GPSB2004520100	00L3	20.0	20	45	100	36928

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	2235
K4DSSE0200503050	0006	SC DSSE 4F 2x3x5x50 ALTIN Coating	2	3	5	50	1977
K4DSSE0301003050	0006	SC DSSE 4F 3x3x10x50 ALTIN Coating	3	3	10	50	1982
K4DSSE0301204050	0006	SC DSSE 4F 3x4x12x50 ALTIN Coating	3	4	12	50	2246
K4DSSE0401204050	0006	SC DSSE 4F 4x4x12x50 ALTIN Coating	4	4	12	50	2655
K4DSSE0501305050	0006	SC DSSE 4F 5x5x13x50 ALTIN Coating	5	5	13	50	3162
K4DSSE0601506060	0006	SC DSSE 4F 6x6x15x60 ALTIN Coating	6	6	15	60	3545
K4DSSE0802008060	0006	SC DSSE 4F 8x8x20x60 ALTIN Coating	8	8	20	60	4854
K4DSSE1002510075	0006	SC DSSE 4F 10x10x25x75 ALTIN Coating	10	10	25	75	8273
K4DSSE1203012075	0006	SC DSSE 4F 12x12x30x75 ALTIN Coating	12	12	30	75	12290
K4DSSE1403214075	0006	SC DSSE 4F 14x14x32x75 ALTIN Coating	14	14	32	75	16719
K4DSSE1603216100	0006	SC DSSE 4F 16x16x32x100 ALTIN Coating	16	16	32	100	25306
K4DSSE1803818100	0006	SC DSSE 4F 18x18x38x100 ALTIN Coating	18	18	38	100	31333
K4DSSE2003820100	0006	SC DSSE 4F 20x20x38x100 ALTIN Coating	20	20	38	100	39566

### 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	2761
K4DSSE0401604075	00L6	SC DSSE 4F 4x4x16x75 ALTIN Coating	4	4	16	75	4200
K4DSSE0502005075	00L6	SC DSSE 4F 5x5x20x75 ALTIN Coating	5	5	20	75	4028
K4DSSE0602006075	00L6	SC DSSE 4F 6x6x20x75 ALTIN Coating	6	6	20	75	4774
K4DSSE0802008075	00L6	SC DSSE 4F 8x8x20x75 ALTIN Coating	8	8	20	75	5763
K4DSSE1002510100	00L6	SC DSSE 4F 10x10x25x100 ALTIN Coating	10	10	25	100	11738
K4DSSE1203012100	00L6	SC DSSE 4F 12x12x30x100 ALTIN Coating	12	12	30	100	17928
K4DSSE1604516120	00L6	SC DSSE 4F 16x16x45x120 ALTIN Coating	16	16	45	120	34886
K4DSSE2004520120	00L6	SC DSSE 4F 20x20x45x120 ALTIN Coating	20	20	45	120	64211

### 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	3022
K4DSSE0401604100	00X6	SC DSSE 4F 4x4x16x100 ALTIN Coating	4	4	16	100	4111
K4DSSE0502005100	00X6	SC DSSE 4F 5x5x20x100 ALTIN Coating	5	5	20	100	4360
K4DSSE0602006100	00X6	SC DSSE 4F 6x6x20x100 ALTIN Coating	6	6	20	100	5161
K4DSSE0602006150	00X6	SC DSSE 4F 6x6x20x150 ALTIN Coating	6	6	20	150	6391
K4DSSE0802008100	00X6	SC DSSE 4F 8x8x20x100 ALTIN Coating	8	8	20	100	8038
K4DSSE0802008150	00X6	SC DSSE 4F 8x8x20x150 ALTIN Coating	8	8	20	150	10131
K4DSSE1002510150	00X6	SC DSSE 4F 10x10x25x150 ALTIN Coating	10	10	25	150	14187
K4DSSE1203012150	00X6	SC DSSE 4F 12x12x30x150 ALTIN Coating	12	12	30	150	21825
K4DSSE1604516150	00X6	SC DSSE 4F 16x16x45x150 ALTIN Coating	16	16	45	150	35735
K4DSSE2004520150	00X6	SC DSSE 4F 20x20x45x150 ALTIN Coating	20	20	45	150	60737

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	2743
K2DSSB0200404050	0006	SC DSSB 2F 2x4x4x50 ALTIN Coating	2	4	4	50	2743
K2DSSB0300603050	0006	SC DSSB 2F 3x3x6x50 ALTIN Coating	3	3	6	50	2677
K2DSSB0400804050	0006	SC DSSB 2F 4x4x8x50 ALTIN Coating	4	4	8	50	2939
K2DSSB0501305050	0006	SC DSSB 2F 5x5x13x50 ALTIN Coating	5	5	13	50	3484
K2DSSB0601206050	0006	SC DSSB 2F 6x6x12x60 ALTIN Coating	6	6	12	60	4208
K2DSSB0801408060	0006	SC DSSB 2F 8x8x14x60 ALTIN Coating	8	8	14	60	5695
K2DSSB1002210075	0006	SC DSSB 2F 10x10x22x75 ALTIN Coating	10	10	22	75	10004
K2DSSB1202512075	0006	SC DSSB 2F 12x12x25x75 ALTIN Coating	12	12	25	75	13214
K2DSSB1603216100	0006	SC DSSB 2F 16x16x32x100 ALTIN Coating	16	16	32	100	26777
K2DSSB2003220100	0006	SC DSSB 2F 20x20x32x100 ALTIN Coating	20	20	32	100	58659

### 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	3526
K2DSSB0400804075	00L6	SC DSSB 2F 4x4x8x75 ALTIN Coating	4	4	8	75	4134
K2DSSB0501005075	00L6	SC DSSB 2F 5x5x10x75 ALTIN Coating	5	5	10	75	4376
K2DSSB0601206075	00L6	SC DSSB 2F 6x6x12x75 ALTIN Coating	6	6	12	75	4844
K2DSSB0801608075	00L6	SC DSSB 2F 8x8x16x75 ALTIN Coating	8	8	16	75	6218
K2DSSB1002210100	00L6	SC DSSB 2F 10x10x22x100 ALTIN Coating	10	10	22	100	11076
K2DSSB1202512100	00L6	SC DSSB 2F 12x12x25x100 ALTIN Coating	12	12	25	100	16323

### 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	4681
K2DSSB0501005100	00X6	SC DSSB 2F 5x5x10x100 ALTIN Coating	5	5	10	100	4849
K2DSSB0601206100	00X6	SC DSSB 2F 6x6x12x100 ALTIN Coating	6	6	12	100	5366
K2DSSB0601206150	00X6	SC DSSB 2F 6x6x12x150 ALTIN Coating	6	6	12	150	7374
K2DSSB0801608100	00X6	SC DSSB 2F 8x8x16x100 ALTIN Coating	8	8	16	100	7980
K2DSSB0801608150	00X6	SC DSSB 2F 8x8x16x150 ALTIN Coating	8	8	16	150	10250
K2DSSB1002210150	00X6	SC DSSB 2F 10x10x22x150 ALTIN Coating	10	10	22	150	14934
K2DSSB1202512150	00X6	SC DSSB 2F 12x12x25x150 ALTIN Coating	12	12	25	150	22371

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	2950
K4DSSR0300803050	1006	SC DSSR 4F 3x3x8x50xCR1 ALTIN Coating	3	1.0	3	8	50	2950
K4DSSR0401104050	0506	SC DSSR 4F 4x4x11x50xCR0.5 ALTIN Coating	4	0.5	4	11	50	3068
K4DSSR0401104050	1006	SC DSSR 4F 4x4x11x50xCR1 ALTIN Coating	4	1.0	4	11	50	3068
K4DSSR0501305050	0506	SC DSSR 4F 5x5x13x50xCR0.5 ALTIN Coating	5	0.5	5	13	50	3612
K4DSSR0501305050	1006	SC DSSR 4F 5x5x13x50xCR1 ALTIN Coating	5	1.0	5	13	50	3612
K4DSSR0601606050	0506	SC DSSR 4F 6x6x16x50xCR0.5 ALTIN Coating	6	0.5	6	16	50	3996
K4DSSR0601606050	1006	SC DSSR 4F 6x6x16x50xCR1 ALTIN Coating	6	1.0	6	16	50	3996
K4DSSR0802008060	0506	SC DSSR 4F 8x8x20x60xCR0.5 ALTIN Coating	8	0.5	8	20	60	5842
K4DSSR0802008060	1006	SC DSSR 4F 8x8x20x60xCR1 ALTIN Coating	8	1.0	8	20	60	5842
K4DSSR1002510075	0506	SC DSSR 4F 10x10x25x75xCR0.5 ALTIN Coating	10	0.5	10	25	75	8833
K4DSSR1002510075	1006	SC DSSR 4F 10x10x25x75xCR1 ALTIN Coating	10	1.0	10	25	75	8833
K4DSSR1203012075	1006	SC DSSR 4F 12x12x30x75xCR1 ALTIN Coating	12	1.0	12	30	75	13130
K4DSSR1203012075	2006	SC DSSR 4F 12x12x30x75xCR2 ALTIN Coating	12	2.0	12	30	75	13130
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	3900
K4DSSR0300803075	10L6	SC DSSR 4F 3x3x8x75xCR1 ALTIN Coating	3	1.0	3	8	75	3900
K4DSSR0401104075	05L6	SC DSSR 4F 4x4x11x75xCR0.5 ALTIN Coating	4	0.5	4	11	75	4148
K4DSSR0401104075	10L6	SC DSSR 4F 4x4x11x75xCR1 ALTIN Coating	4	1.0	4	11	75	4148
K4DSSR0501305075	05L6	SC DSSR 4F 5x5x13x75xCR0.5 ALTIN Coating	5	0.5	5	13	75	4521
K4DSSR0501305075	10L6	SC DSSR 4F 5x5x13x75xCR1 ALTIN Coating	5	1.0	5	13	75	4521
K4DSSR0601606075	05L6	SC DSSR 4F 6x6x16x75xCR0.5 ALTIN Coating	6	0.5	6	16	75	5047
K4DSSR0601606075	10L6	SC DSSR 4F 6x6x16x75xCR1 ALTIN Coating	6	1.0	6	16	75	5047
K4DSSR0601606100	05L6	SC DSSR 4F 6x6x16x100xCR0.5 ALTIN Coating	6	0.5	6	16	100	5805
K4DSSR0601606100	10L6	SC DSSR 4F 6x6x16x100xCR1 ALTIN Coating	6	1.0	6	16	100	5805
K4DSSR0802008075	05L6	SC DSSR 4F 8x8x20x75xCR0.5 ALTIN Coating	8	0.5	8	20	75	6696
K4DSSR0802008075	10L6	SC DSSR 4F 8x8x20x75xCR1 ALTIN Coating	8	1.0	8	20	75	6696
K4DSSR0802008100	05L6	SC DSSR 4F 8x8x20x100xCR0.5 ALTIN Coating	8	0.5	8	20	100	8531
K4DSSR0802008100	10L6	SC DSSR 4F 8x8x20x100xCR1 ALTIN Coating	8	1.0	8	20	100	8531
K4DSSR1002510100	05L6	SC DSSR 4F 10x10x25x100xCR0.5 ALTIN Coating	10	0.5	10	25	100	11880
K4DSSR1002510100	10L6	SC DSSR 4F 10x10x25x100xCR1 ALTIN Coating	10	1.0	10	25	100	11880
K4DSSR1203012100	10L6	SC DSSR 4F 12x12x30x100xCR1 ALTIN Coating	12	1.0	12	30	100	17807
K4DSSR1203012100	20L6	SC DSSR 4F 12x12x30x100xCR2 ALTIN Coating	12	2.0	12	30	100	17807
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	8228
K4DSSR0601606150	10X6	SC DSSR 4F 6x6x16x150xCR1 ALTIN Coating	6	1.0	6	16	150	8228
K4DSSR0802008150	05X6	SC DSSR 4F 8x8x20x150xCR0.5 ALTIN Coating	8	0.5	8	20	150	11671
K4DSSR0802008150	10X6	SC DSSR 4F 8x8x20x150xCR1 ALTIN Coating	8	1.0	8	20	150	11671
K4DSSR1002510150	05X6	SC DSSR 4F 10x10x25x150xCR0.5 ALTIN Coating	10	0.5	10	25	150	14747
K4DSSR1002510150	10X6	SC DSSR 4F 10x10x25x150xCR1 ALTIN Coating	10	1.0	10	25	150	14747
K4DSSR1203012150	10X6	SC DSSR 4F 12x12x30x150xCR1 ALTIN Coating	12	1.0	12	30	150	25422
K4DSSR1203012150	20X6	SC DSSR 4F 12x12x30x150xCR2 ALTIN Coating	12	2.0	12	30	150	25422

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	2394
K4DHSE0200503050	0009	SC DHSE 4F 2x3x5x50 TISINOS Coating	2	3	5	50	2299
K4DHSE0301003050	0009	SC DHSE 4F 3x3x10x50 TISINOS Coating	3	3	10	50	2223
K4DHSE0301204050	0009	SC DHSE 4F 3x4x12x50 TISINOS Coating	3	4	12	50	2657
K4DHSE0401204050	0009	SC DHSE 4F 4x4x12x50 TISINOS Coating	4	4	12	50	2768
K4DHSE0501305050	0009	SC DHSE 4F 5x5x13x50 TISINOS Coating	5	5	13	50	3263
K4DHSE0601506060	0009	SC DHSE 4F 6x6x15x60 TISINOS Coating	6	6	15	60	4358
K4DHSE0802008060	0009	SC DHSE 4F 8x8x20x60 TISINOS Coating	8	8	20	60	5839
K4DHSE1002510075	0009	SC DHSE 4F 10x10x25x75 TISINOS Coating	10	10	25	75	9102
K4DHSE1203012075	0009	SC DHSE 4F 12x12x30x75 TISINOS Coating	12	12	30	75	13336
K4DHSE1403214075	0009	SC DHSE 4F 14x14x32x75 TISINOS Coating	14	14	32	75	17998
K4DHSE1603216100	0009	SC DHSE 4F 16x16x32x100 TISINOS Coating	16	16	32	100	27371
K4DHSE1803818100	0009	SC DHSE 4F 18x18x38x100 TISINOS Coating	18	18	38	100	34150
K4DHSE2003820100	0009	SC DHSE 4F 20x20x38x100 TISINOS Coating	20	20	38	100	42213

### 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	3000
K4DHSE0401604075	00L9	SC DHSE 4F 4x4x16x75 TISINOS Coating	4	4	16	75	4445
K4DHSE0502005075	00L9	SC DHSE 4F 5x5x20x75 TISINOS Coating	5	5	20	75	4279
K4DHSE0602006075	00L9	SC DHSE 4F 6x6x20x75 TISINOS Coating	6	6	20	75	5037
K4DHSE0802008075	00L9	SC DHSE 4F 8x8x20x75 TISINOS Coating	8	8	20	75	6748
K4DHSE1002510100	00L9	SC DHSE 4F 10x10x25x100 TISINOS Coating	10	10	25	100	12841
K4DHSE1203012100	00L9	SC DHSE 4F 12x12x30x100 TISINOS Coating	12	12	30	100	19160
K4DHSE1604516120	00L9	SC DHSE 4F 16x16x45x120 TISINOS Coating	16	16	45	120	36645
K4DHSE2004520120	00L9	SC DHSE 4F 20x20x45x120 TISINOS Coating	20	20	45	120	66307

### 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	3385
K4DHSE0401604100	00X9	SC DHSE 4F 4x4x16x100 TISINOS Coating	4	4	16	100	4386
K4DHSE0502005100	00X9	SC DHSE 4F 5x5x20x100 TISINOS Coating	5	5	20	100	5172
K4DHSE0602006100	00X9	SC DHSE 4F 6x6x20x100 TISINOS Coating	6	6	20	100	5914
K4DHSE0602006150	00X9	SC DHSE 4F 6x6x20x150 TISINOS Coating	6	6	20	150	7849
K4DHSE0802008100	00X9	SC DHSE 4F 8x8x20x100 TISINOS Coating	8	8	20	100	8894
K4DHSE0802008150	00X9	SC DHSE 4F 8x8x20x150 TISINOS Coating	8	8	20	150	11477
K4DHSE1002510150	00X9	SC DHSE 4F 10x10x25x150 TISINOS Coating	10	10	25	150	15827
K4DHSE1203012150	00X9	SC DHSE 4F 12x12x30x150 TISINOS Coating	12	12	30	150	24996
K4DHSE1604516150	00X9	SC DHSE 4F 16x16x45x150 TISINOS Coating	16	16	45	150	39701
K4DHSE2004520150	00X9	SC DHSE 4F 20x20x45x150 TISINOS Coating	20	20	45	150	66139

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	2960
K2DHSB0200404050	0009	SC DHSB 2F 2x4x4x50 TISINOS Coating	2	4	4	50	2960
K2DHSB0300603050	0009	SC DHSB 2F 3x3x6x50 TISINOS Coating	3	3	6	50	2899
K2DHSB0400804050	0009	SC DHSB 2F 4x4x8x50 TISINOS Coating	4	4	8	50	3239
K2DHSB0501305050	0009	SC DHSB 2F 5x5x13x50 TISINOS Coating	5	5	13	50	3985
K2DHSB0601206060	0009	SC DHSB 2F 6x6x12x60 TISINOS Coating	6	6	12	60	5058
K2DHSB0801408060	0009	SC DHSB 2F 8x8x14x60 TISINOS Coating	8	8	14	60	6537
K2DHSB1002210075	0009	SC DHSB 2F 10x10x22x75 TISINOS Coating	10	10	22	75	11575
K2DHSB1202512075	0009	SC DHSB 2F 12x12x25x75 TISINOS Coating	12	12	25	75	16772
K2DHSB1603216100	0009	SC DHSB 2F 16x16x32x100 TISINOS Coating	16	16	32	100	30047
K2DHSB2003220100	0009	SC DHSB 2F 20x20x32x100 TISINOS Coating	20	20	32	100	61606

### 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	3740
K2DHSB0400804075	00L9	SC DHSB 2F 4x4x8x75 TISINOS Coating	4	4	8	75	4343
K2DHSB0501005075	00L9	SC DHSB 2F 5x5x10x75 TISINOS Coating	5	5	10	75	5126
K2DHSB0601206075	00L9	SC DHSB 2F 6x6x12x75 TISINOS Coating	6	6	12	75	5933
K2DHSB0801608075	00L9	SC DHSB 2F 8x8x16x75 TISINOS Coating	8	8	16	75	8128
K2DHSB1002210100	00L9	SC DHSB 2F 10x10x22x100 TISINOS Coating	10	10	22	100	14090
K2DHSB1202512100	00L9	SC DHSB 2F 12x12x25x100 TISINOS Coating	12	12	25	100	20524

### 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	5052
K2DHSB0501005100	00X9	SC DHSB 2F 5x5x10x100 TISINOS Coating	5	5	10	100	6093
K2DHSB0601206100	00X9	SC DHSB 2F 6x6x12x100 TISINOS Coating	6	6	12	100	7102
K2DHSB0601206150	00X9	SC DHSB 2F 6x6x12x150 TISINOS Coating	6	6	12	150	9198
K2DHSB0801608100	00X9	SC DHSB 2F 8x8x16x100 TISINOS Coating	8	8	16	100	9863
K2DHSB0801608150	00X9	SC DHSB 2F 8x8x16x150 TISINOS Coating	8	8	16	150	13046
K2DHSB1002210150	00X9	SC DHSB 2F 10x10x22x150 TISINOS Coating	10	10	22	150	18709
K2DHSB1202512150	00X9	SC DHSB 2F 12x12x25x150 TISINOS Coating	12	12	25	150	27677

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	3180
K4DHSR0300803050	1006	SC DHSR 4F 3x3x8x50xCR1 TISINOS Coating	3	1.0	3	8	50	3180
K4DHSR0401104050	0506	SC DHSR 4F 4x4x11x50xCR0.5 TISINOS Coating	4	0.5	4	11	50	3632
K4DHSR0401104050	1006	SC DHSR 4F 4x4x11x50xCR1 TISINOS Coating	4	1.0	4	11	50	3632
K4DHSR0501305050	0506	SC DHSR 4F 5x5x13x50xCR0.5 TISINOS Coating	5	0.5	5	13	50	4107
K4DHSR0501305050	1006	SC DHSR 4F 5x5x13x50xCR1 TISINOS Coating	5	1.0	5	13	50	4107
K4DHSR0601606050	0506	SC DHSR 4F 6x6x16x50xCR0.5 TISINOS Coating	6	0.5	6	16	50	4493
K4DHSR0601606050	1006	SC DHSR 4F 6x6x16x50xCR1 TISINOS Coating	6	1.0	6	16	50	4493
K4DHSR0802008060	0506	SC DHSR 4F 8x8x20x60xCR0.5 TISINOS Coating	8	0.5	8	20	60	7302
K4DHSR0802008060	1006	SC DHSR 4F 8x8x20x60xCR1 TISINOS Coating	8	1.0	8	20	60	7302
K4DHSR1002510075	0506	SC DHSR 4F 10x10x25x75xCR0.5 TISINOS Coating	10	0.5	10	25	75	10935
K4DHSR1002510075	1006	SC DHSR 4F 10x10x25x75xCR1 TISINOS Coating	10	1.0	10	25	75	10935
K4DHSR1203012075	1006	SC DHSR 4F 12x12x30x75xCR1 TISINOS Coating	12	1.0	12	30	75	16039
K4DHSR1203012075	2006	SC DHSR 4F 12x12x30x75xCR2 TISINOS Coating	12	2.0	12	30	75	16039
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	4149
K4DHSR0300803075	10L6	SC DHSR 4F 3x3x8x75xCR1 TISINOS Coating	3	1.0	3	8	75	4149
K4DHSR0401104075	05L6	SC DHSR 4F 4x4x11x75xCR0.5 TISINOS Coating	4	0.5	4	11	75	4752
K4DHSR0401104075	10L6	SC DHSR 4F 4x4x11x75xCR1 TISINOS Coating	4	1.0	4	11	75	4752
K4DHSR0501305075	05L6	SC DHSR 4F 5x5x13x75xCR0.5 TISINOS Coating	5	0.5	5	13	75	5534
K4DHSR0501305075	10L6	SC DHSR 4F 5x5x13x75xCR1 TISINOS Coating	5	1.0	5	13	75	5534
K4DHSR0601606075	05L6	SC DHSR 4F 6x6x16x75xCR0.5 TISINOS Coating	6	0.5	6	16	75	6137
K4DHSR0601606075	10L6	SC DHSR 4F 6x6x16x75xCR1 TISINOS Coating	6	1.0	6	16	75	6137
K4DHSR0601606100	05L6	SC DHSR 4F 6x6x16x100xCR0.5 TISINOS Coating	6	0.5	6	16	100	6744
K4DHSR0601606100	10L6	SC DHSR 4F 6x6x16x100xCR1 TISINOS Coating	6	1.0	6	16	100	6744
K4DHSR0802008075	05L6	SC DHSR 4F 8x8x20x75xCR0.5 TISINOS Coating	8	0.5	8	20	75	8012
K4DHSR0802008075	10L6	SC DHSR 4F 8x8x20x75xCR1 TISINOS Coating	8	1.0	8	20	75	8012
K4DHSR0802008100	05L6	SC DHSR 4F 8x8x20x100xCR0.5 TISINOS Coating	8	0.5	8	20	100	9293
K4DHSR0802008100	10L6	SC DHSR 4F 8x8x20x100xCR1 TISINOS Coating	8	1.0	8	20	100	9293
K4DHSR1002510100	05L6	SC DHSR 4F 10x10x25x100xCR0.5 TISINOS Coating	10	0.5	10	25	100	12818
K4DHSR1002510100	10L6	SC DHSR 4F 10x10x25x100xCR1 TISINOS Coating	10	1.0	10	25	100	12818
K4DHSR1203012100	10L6	SC DHSR 4F 12x12x30x100xCR1 TISINOS Coating	12	1.0	12	30	100	20524
K4DHSR1203012100	20L6	SC DHSR 4F 12x12x30x100xCR2 TISINOS Coating	12	2.0	12	30	100	20524
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	9040
K4DHSR0601606150	10X6	SC DHSR 4F 6x6x16x150xCR1 TISINOS Coating	6	1.0	6	16	150	9040
K4DHSR0802008150	05X6	SC DHSR 4F 8x8x20x150xCR0.5 TISINOS Coating	8	0.5	8	20	150	12537
K4DHSR0802008150	10X6	SC DHSR 4F 8x8x20x150xCR1 TISINOS Coating	8	1.0	8	20	150	12537
K4DHSR1002510150	05X6	SC DHSR 4F 10x10x25x150xCR0.5 TISINOS Coating	10	0.5	10	25	150	15657
K4DHSR1002510150	10X6	SC DHSR 4F 10x10x25x150xCR1 TISINOS Coating	10	1.0	10	25	150	15657
K4DHSR1203012150	10X6	SC DHSR 4F 12x12x30x150xCR1 TISINOS Coating	12	1.0	12	30	150	26612
K4DHSR1203012150	20X6	SC DHSR 4F 12x12x30x150xCR2 TISINOS Coating	12	2.0	12	30	150	26612

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	3725	4359
1.25	3.15	32	3725	4359
2	4.00	36	3768	4409
2.00	5.00	40	3791	4441
3	6.30	45	5143	6187
3.15	8.00	50	6094	7135
4	10.00	56	8059	9102
5.00	12.50	63	12573	13862
6	16.00	71	17167	18453
8.00	20.00	80	27258	30356

**MICRO GRAIN SOLID CARBIDE CENTRE DRILLS**  
**DIMENSIONS ACCORDING TO: BS 328 / Part 2 / 1950**  
**CENTRE DRILL TYPE : Type A**  
**Point Angle : 120°**

C	Pilot Dia	Body Dia	OAL	List price	
NO	Inch	Inch	Inch	Uncoated	Coated
2	1/16	3/16	1-3/4	3733	4385
3	3/32	1/4	2	5143	6191
4	1/8	5/16	2-1/4	6094	7137
5	3/16	7/16	2-1/2	11562	12605
6	1/4	5/8	3	17167	18454
7	5/16	3/4	3-1/2	26684	29783

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	2706	3498
4.0	4.0	19	75	4	2865	3704
5.0	5.0	23	86	4	3184	4113
5.5	5.6	26	93	4	3755	4689
6.0	5.6	26	93	6	4058	4987
6.5	6.3	28	101	6	4531	6030
7.0	7.1	31	109	6	6043	7541
7.5	7.1	31	109	6	6455	7952
8.0	8.0	33	117	6	7189	8687
8.5	8.0	33	117	6	7259	8755
9.0	9.0	36	125	6	9621	11119
9.5	9.0	36	125	6	10311	11811
10.0	10.0	38	133	6	10527	13481
10.5	10.0	38	133	6	11040	13996
11.0	10.0	41	142	6	12890	15853
11.5	10.0	41	142	6	13561	16516
12.0	10.0	44	151	6	15395	18350
12.5	10.0	44	151	6	16354	20038
13.0	10.0	44	151	6	17080	20767
13.5	12.5	47	160	6	18712	22401
14.0	12.5	47	160	8	20156	23839
14.5	12.5	50	162	8	23476	27163
15.0	12.5	50	162	8	24067	27753
15.5	12.5	52	170	8	26119	29806
16.0	12.5	52	170	8	26211	29897

0000	UNCOATED
0001	TIN COATED
0003	TIALN COATED

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