



*Tools for a changing world*



## ROTARY SOLID CARBIDE TOOLS PRICE LIST (SC 54)



With Effect From May 15, 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	1775	1990	K94600460	4.6	4.6	24	58	2966	3320
K94600110	1.1	1.1	7	28	1775	1990	K94600470	4.7	4.7	24	58	2966	3320
K94600120	1.2	1.2	8	30	1775	1990	K94600480	4.8	4.8	26	62	3239	3628
K94600130	1.3	1.3	8	30	1775	1990	K94600490	4.9	4.9	26	62	3239	3628
K94600140	1.4	1.4	9	32	1775	1990	K94600500	5	5	26	62	3378	3785
K94600150	1.5	1.5	9	32	1775	1990	K94600510	5.1	5.1	26	62	3404	3811
K94600160	1.6	1.6	10	34	1793	2006	K94600520	5.2	5.2	26	62	3521	3944
K94600170	1.7	1.7	10	34	1793	2006	K94600530	5.3	5.3	26	62	3642	4080
K94600180	1.8	1.8	11	36	1793	2006	K94600540	5.4	5.4	28	66	3767	4219
K94600190	1.9	1.9	11	36	1793	2006	K94600550	5.5	5.5	28	66	3678	4117
K94600200	2	2	12	38	1793	2006	K94600560	5.6	5.6	28	66	3930	4402
K94600210	2.1	2.1	12	38	2054	2300	K94600570	5.7	5.7	28	66	3976	4455
K94600220	2.2	2.2	13	40	2054	2300	K94600580	5.8	5.8	28	66	4028	4513
K94600230	2.3	2.3	13	40	2054	2300	K94600590	5.9	5.9	28	66	4066	4553
K94600240	2.4	2.4	14	43	2054	2300	K94600600	6	6	28	66	3944	4416
K94600250	2.5	2.5	14	43	2054	2300	K94600610	6.1	6.1	31	70	4561	5113
K94600260	2.6	2.6	14	43	2187	2451	K94600620	6.2	6.2	31	70	4561	5113
K94600270	2.7	2.7	16	46	2187	2451	K94600630	6.3	6.3	31	70	4561	5113
K94600280	2.8	2.8	16	46	2187	2451	K94600640	6.4	6.4	31	70	5115	5726
K94600290	2.9	2.9	16	46	2187	2451	K94600650	6.5	6.5	31	70	4859	5445
K94600300	3	3	16	46	2187	2451	K94600660	6.6	6.6	31	70	5600	6276
K94600310	3.1	3.1	18	49	2274	2545	K94600670	6.7	6.7	31	70	5885	6589
K94600320	3.2	3.2	18	49	2274	2545	K94600680	6.8	6.8	34	74	5600	6276
K94600330	3.3	3.3	18	49	2274	2545	K94600690	6.9	6.9	34	74	5600	6276
K94600340	3.4	3.4	20	52	2274	2545	K94600700	7	7	34	74	5320	5962
K94600350	3.5	3.5	20	52	2274	2545	K94600710	7.1	7.1	34	74	6119	6851
K94600360	3.6	3.6	20	52	2350	2638	K94600720	7.2	7.2	34	74	6119	6851
K94600370	3.7	3.7	20	52	2459	2756	K94600730	7.3	7.3	34	74	6119	6851
K94600380	3.8	3.8	22	55	2563	2871	K94600740	7.4	7.4	34	74	6422	7195
K94600390	3.9	3.9	22	55	2668	2988	K94600750	7.5	7.5	34	74	5811	6511
K94600400	4	4	22	55	2777	3109	K94600760	7.6	7.6	37	79	6481	7253
K94600410	4.1	4.1	22	55	2811	3149	K94600770	7.7	7.7	37	79	6481	7253
K94600420	4.2	4.2	22	55	2849	3191	K94600780	7.8	7.8	37	79	6481	7253
K94600430	4.3	4.3	24	58	2875	3213	K94600790	7.9	7.9	37	79	6481	7253
K94600440	4.4	4.4	24	58	2928	3274	K94600800	8	8	37	79	5843	6545
K94600450	4.5	4.5	24	58	2966	3320	K94600810	8.1	8.1	37	79	7177	8036

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		Item code	Drill Dia	Shank Dia	Flute Length	Overall length	List Price	
					Uncoated	Coated						Uncoated	Coated
K94600820	8.2	8.2	37	79	7177	8036	K94601180	11.8	11.8	47	95	15348	17182
K94600830	8.3	8.3	37	79	7177	8036	K94601190	11.9	11.9	51	102	15348	17182
K94600840	8.4	8.4	37	79	7931	8879	K94601200	12	12	51	102	15348	17182
K94600850	8.5	8.5	37	79	7177	8036	K94601210	12.1	12.1	51	102	15743	17630
K94600860	8.6	8.6	40	84	8567	9599	K94601220	12.2	12.2	51	102	15743	17630
K94600870	8.7	8.7	40	84	8567	9599	K94601230	12.3	12.3	51	102	15743	17630
K94600880	8.8	8.8	40	84	8567	9599	K94601240	12.4	12.4	51	102	15743	17630
K94600890	8.9	8.9	40	84	8567	9599	K94601250	12.5	12.5	51	102	15743	17630
K94600900	9	9	40	84	8233	9221	K94601260	12.6	12.6	51	102	20405	22849
K94600910	9.1	9.1	40	84	9787	10958	K94601270	12.7	12.7	51	102	20405	22849
K94600920	9.2	9.2	40	84	9787	10958	K94601280	12.8	12.8	51	102	20405	22849
K94600930	9.3	9.3	40	84	9787	10958	K94601290	12.9	12.9	51	102	20405	22849
K94600940	9.4	9.4	40	84	10269	11507	K94601300	13	13	51	102	20405	22849
K94600950	9.5	9.5	40	84	8129	9104	K94601310	13.1	13.1	51	102	26650	29842
K94600960	9.6	9.6	43	89	10360	11607	K94601320	13.2	13.2	51	102	26650	29842
K94600970	9.7	9.7	43	89	10360	11607	K94601330	13.3	13.3	54	107	26650	29842
K94600980	9.8	9.8	43	89	10360	11607	K94601340	13.4	13.4	54	107	26650	29842
K94600990	9.9	9.9	43	89	11231	12579	K94601350	13.5	13.5	54	107	26650	29842
K94601000	10	10	43	89	10872	12180	K94601360	13.6	13.6	54	107	26650	29842
K94601010	10.1	10.1	43	89	11513	12892	K94601370	13.7	13.7	54	107	26650	29842
K94601020	10.2	10.2	43	89	11513	12892	K94601380	13.8	13.8	54	107	26650	29842
K94601030	10.3	10.3	43	89	11513	12892	K94601390	13.9	13.9	54	107	26650	29842
K94601040	10.4	10.4	43	89	11513	12892	K94601400	14	14	54	107	26650	29842
K94601050	10.5	10.5	43	89	12360	13846	K94601450	14.5	14.5	56	111	26256	29346
K94601060	10.6	10.6	43	89	12360	13846	K94601500	15	15	56	111	26256	29346
K94601070	10.7	10.7	47	95	12360	13846	K94601550	15.5	15.5	58	115	28084	31174
K94601080	10.8	10.8	47	95	12360	13846	K94601600	16	16	58	115	26498	29594
K94601090	10.9	10.9	47	95	12360	13846	K94601650	16.5	16.5	60	119	42291	47235
K94601100	11	11	47	95	12784	14320	K94601700	17	17	60	119	47647	52589
K94601110	11.1	11.1	47	95	12784	14320	K94601750	17.5	17.5	62	123	49423	54366
K94601120	11.2	11.2	47	95	12784	14320	K94601800	18	18	62	123	50355	55301
K94601130	11.3	11.3	47	95	12784	14320	K94601850	18.5	18.5	64	127	55353	60296
K94601140	11.4	11.4	47	95	12784	14320	K94601900	19	19	64	127	58419	63363
K94601150	11.5	11.5	47	95	13649	15520	K94601950	19.5	19.5	66	131	59471	69356
K94601160	11.6	11.6	47	95	15348	17182	K94602000	20	20	66	131	61077	70962
K94601170	11.7	11.7	47	95	15348	17182							

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	2046	2294	K81600460	4.6	4.6	47	80	3418	3821
K81600110	1.1	1.1	14	36	2046	2294	K81600470	4.7	4.7	47	80	3418	3821
K81600120	1.2	1.2	16	38	2046	2294	K81600480	4.8	4.8	52	86	3732	4177
K81600130	1.3	1.3	16	38	2046	2294	K81600490	4.9	4.9	52	86	3732	4177
K81600140	1.4	1.4	18	40	2046	2294	K81600500	5.0	5.0	52	86	3895	4360
K81600150	1.5	1.5	18	40	2046	2294	K81600510	5.1	5.1	52	86	3917	4390
K81600160	1.6	1.6	20	43	2064	2314	K81600520	5.2	5.2	52	86	4064	4549
K81600170	1.7	1.7	20	43	2064	2314	K81600530	5.3	5.3	52	86	4201	4702
K81600180	1.8	1.8	22	46	2064	2314	K81600540	5.4	5.4	57	93	4342	4855
K81600190	1.9	1.9	22	46	2064	2314	K81600550	5.5	5.5	57	93	4237	4744
K81600200	2	2	24	49	2064	2314	K81600560	5.6	5.6	57	93	4529	5074
K81600210	2.1	2.1	24	49	2368	2650	K81600570	5.7	5.7	57	93	4583	5131
K81600220	2.2	2.2	27	53	2368	2650	K81600580	5.8	5.8	57	93	4650	5201
K81600230	2.3	2.3	27	53	2368	2650	K81600590	5.9	5.9	57	93	4684	5245
K81600240	2.4	2.4	30	57	2368	2650	K81600600	6.0	6.0	57	93	4549	5090
K81600250	2.5	2.5	30	57	2368	2650	K81600610	6.1	6.1	63	101	5261	5889
K81600260	2.6	2.6	30	57	2521	2821	K81600620	6.2	6.2	63	101	5261	5889
K81600270	2.7	2.7	33	61	2521	2821	K81600630	6.3	6.3	63	101	5261	5889
K81600280	2.8	2.8	33	61	2521	2821	K81600640	6.4	6.4	63	101	5895	6599
K81600290	2.9	2.9	33	61	2521	2821	K81600650	6.5	6.5	63	101	5600	6276
K81600300	3	3	33	61	2521	2821	K81600660	6.6	6.6	63	101	6461	7229
K81600310	3.1	3.1	36	65	2622	2936	K81600670	6.7	6.7	63	101	6783	7606
K81600320	3.2	3.2	36	65	2622	2936	K81600680	6.8	6.8	69	109	6461	7229
K81600330	3.3	3.3	36	65	2622	2936	K81600690	6.9	6.9	69	109	6461	7229
K81600340	3.4	3.4	39	70	2622	2936	K81600700	7.0	7.0	69	109	6137	6871
K81600350	3.5	3.5	39	70	2622	2936	K81600710	7.1	7.1	69	109	7052	7893
K81600360	3.6	3.6	39	70	2714	3036	K81600720	7.2	7.2	69	109	7052	7893
K81600370	3.7	3.7	39	70	2833	3173	K81600730	7.3	7.3	69	109	7052	7893
K81600380	3.8	3.8	43	75	2956	3306	K81600740	7.4	7.4	69	109	7406	8290
K81600390	3.9	3.9	43	75	3076	3447	K81600750	7.5	7.5	69	109	6698	7505
K81600400	4	4	43	75	3201	3577	K81600760	7.6	7.6	75	117	7471	8370
K81600410	4.1	4.1	43	75	3239	3630	K81600770	7.7	7.7	75	117	7471	8370
K81600420	4.2	4.2	43	75	3286	3676	K81600780	7.8	7.8	75	117	7471	8370
K81600430	4.3	4.3	47	80	3310	3710	K81600790	7.9	7.9	75	117	7471	8370
K81600440	4.4	4.4	47	80	3372	3775	K81600800	8.0	8.0	75	117	6740	7541
K81600450	4.5	4.5	47	80	3418	3821	K81600810	8.1	8.1	75	117	8274	9265

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	8274	9265	K81601180	11.8	11.8	94	142.0	17693	19811
K81600830	8.3	8.3	75	117.0	8274	9265	K81601190	11.9	11.9	101	151.0	17693	19811
K81600840	8.4	8.4	75	117.0	9145	10239	K81601200	12.0	12.0	101	151.0	17693	19811
K81600850	8.5	8.5	75	117.0	8274	9265	K81601210	12.1	12.1	101	151.0	25513	31672
K81600860	8.6	8.6	81	125.0	9877	11066	K81601220	12.2	12.2	101	151.0	27202	33362
K81600870	8.7	8.7	81	125.0	9877	11066	K81601230	12.3	12.3	101	151.0	27202	33362
K81600880	8.8	8.8	81	125.0	9877	11066	K81601240	12.4	12.4	101	151.0	27202	33362
K81600890	8.9	8.9	81	125.0	9877	11066	K81601250	12.5	12.5	101	151.0	27202	33362
K81600900	9.0	9.0	81	125.0	9489	10632	K81601260	12.6	12.6	101	151.0	27202	33362
K81600910	9.1	9.1	81	125.0	11279	12636	K81601270	12.7	12.7	101	151.0	28475	34644
K81600920	9.2	9.2	81	125.0	11279	12636	K81601280	12.8	12.8	101	151.0	28475	34644
K81600930	9.3	9.3	81	125.0	11279	12636	K81601290	12.9	12.9	101	151.0	28475	34644
K81600940	9.4	9.4	81	125.0	11843	13263	K81601300	13.0	13.0	101	151.0	28601	34762
K81600950	9.5	9.5	81	125.0	11843	13263	K81601310	13.1	13.1	101	151.0	28642	34807
K81600960	9.6	9.6	87	133.0	11943	13378	K81601320	13.2	13.2	101	151.0	31098	37254
K81600970	9.7	9.7	87	133.0	11943	13378	K81601330	13.3	13.3	108	160.0	31098	37254
K81600980	9.8	9.8	87	133.0	11943	13378	K81601340	13.4	13.4	108	160.0	31098	37254
K81600990	9.9	9.9	87	133.0	12956	14505	K81601350	13.5	13.5	108	160.0	31098	37254
K81601000	10.0	10.0	87	133.0	13279	14035	K81601360	13.6	13.6	108	160.0	31098	37254
K81601010	10.1	10.1	87	133.0	13279	14035	K81601370	13.7	13.7	108	160.0	32045	38204
K81601020	10.2	10.2	87	133.0	13271	14866	K81601380	13.8	13.8	108	160.0	32045	38204
K81601030	10.3	10.3	87	133.0	13271	14866	K81601390	13.9	13.9	108	160.0	32045	38204
K81601040	10.4	10.4	87	133.0	13271	14866	K81601400	14.0	14.0	108	160.0	32628	38786
K81601050	10.5	10.5	87	133.0	14251	15965	K81601450	14.5	14.5	114	169.0	37043	43204
K81601060	10.6	10.6	87	133.0	14251	15965	K81601500	15.0	15.0	114	169.0	37619	43779
K81601070	10.7	10.7	94	142.0	14744	16513	K81601550	15.5	15.5	120	178.0	47328	53486
K81601080	10.8	10.8	94	142.0	14744	16513	K81601600	16.0	16.0	120	178.0	45666	51826
K81601090	10.9	10.9	94	142.0	14744	16513	K81601650	16.5	16.5	125	184.0	45416	55305
K81601100	11.0	11.0	94	142.0	14744	16513	K81601700	17.0	17.0	125	184.0	50885	60712
K81601110	11.1	11.1	94	142.0	15978	18223	K81601750	17.5	17.5	130	191.0	52178	62067
K81601120	11.2	11.2	94	142.0	15978	18223	K81601800	18.0	18.0	130	191.0	53115	62995
K81601130	11.3	11.3	94	142.0	15978	18223	K81601850	18.5	18.5	135	198.0	64019	73899
K81601140	11.4	11.4	94	142.0	15978	18223	K81601900	19.0	19.0	135	198.0	68919	78806
K81601150	11.5	11.5	94	142.0	15978	18223	K81601950	19.5	19.5	140	205.0	71407	81292
K81601160	11.6	11.6	94	142.0	17693	19811	K81602000	20.0	20.0	140	205.0	73285	83170
K81601170	11.7	11.7	94	142.0	17693	19811							

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	4416	K2GPR30640340879	0003	6.4	8	34	79	7923
K2GPR30310200662	0003	3.1	6	20	62	4416	K2GPR30650340879	0003	6.5	8	34	79	7923
K2GPR30320200662	0003	3.2	6	20	62	4416	K2GPR30660340879	0003	6.6	8	34	79	7923
K2GPR30330200662	0003	3.3	6	20	62	4416	K2GPR30670340879	0003	6.7	8	34	79	7923
K2GPR30340200662	0003	3.4	6	20	62	4416	K2GPR30680340879	0003	6.8	8	34	79	7923
K2GPR30350200662	0003	3.5	6	20	62	4416	K2GPR30690340879	0003	6.9	8	34	79	7923
K2GPR30360200662	0003	3.6	6	20	62	4416	K2GPR30700340879	0003	7	8	34	79	7923
K2GPR30370200662	0003	3.7	6	20	62	4416	K2GPR30710410879	0003	7.1	8	41	79	7923
K2GPR30380240666	0003	3.8	6	24	66	4416	K2GPR30720410879	0003	7.2	8	41	79	7923
K2GPR30390240666	0003	3.9	6	24	66	4416	K2GPR30730410879	0003	7.3	8	41	79	7923
K2GPR30400240666	0003	4	6	24	66	4416	K2GPR30740410879	0003	7.4	8	41	79	7923
K2GPR30410240666	0003	4.1	6	24	66	5567	K2GPR30750410879	0003	7.5	8	41	79	7923
K2GPR30420240666	0003	4.2	6	24	66	5567	K2GPR30760410879	0003	7.6	8	41	79	7923
K2GPR30430240666	0003	4.3	6	24	66	5567	K2GPR30780410879	0003	7.8	8	41	79	7923
K2GPR30440240666	0003	4.4	6	24	66	5567	K2GPR30790410879	0003	7.9	8	41	79	7923
K2GPR30450240666	0003	4.5	6	24	66	5567	K2GPR30800410879	0003	8	8	41	79	7923
K2GPR30460240666	0003	4.6	6	24	66	5567	K2GPR30810471089	0003	8.1	10	47	89	12180
K2GPR30470240666	0003	4.7	6	24	66	5567	K2GPR30820471089	0003	8.2	10	47	89	12180
K2GPR30480280666	0003	4.8	6	28	66	5567	K2GPR30830471089	0003	8.3	10	47	89	12180
K2GPR30490280666	0003	4.9	6	28	66	5567	K2GPR30840471089	0003	8.4	10	47	89	12180
K2GPR30500280666	0003	5	6	28	66	5567	K2GPR30850471089	0003	8.5	10	47	89	12180
K2GPR30510280666	0003	5.1	6	28	66	5567	K2GPR30860471089	0003	8.6	10	47	89	12180
K2GPR30520280666	0003	5.3	6	28	66	5567	K2GPR30870471089	0003	8.7	10	47	89	12180
K2GPR30530280666	0003	5.3	6	28	66	5567	K2GPR30880471089	0003	8.8	10	47	89	12180
K2GPR30540280666	0003	5.4	6	28	66	5567	K2GPR30890471089	0003	8.9	10	47	89	12180
K2GPR30550280666	0003	5.5	6	28	66	5567	K2GPR30900471089	0003	9	10	47	89	12180
K2GPR30560280666	0003	5.6	6	28	66	5567	K2GPR30910471089	0003	9.1	10	47	89	12180
K2GPR30570280666	0003	5.7	6	28	66	5567	K2GPR30920471089	0003	9.2	10	47	89	12180
K2GPR30580280666	0003	5.8	6	28	66	5567	K2GPR30930471089	0003	9.3	10	47	89	12180
K2GPR30590280666	0003	5.9	6	28	66	5567	K2GPR30940471089	0003	9.4	10	47	89	12180
K2GPR30600280666	0003	6	6	28	66	5567	K2GPR30950471089	0003	9.5	10	47	89	12180
K2GPR30610340879	0003	6.1	8	34	79	7923	K2GPR30960471089	0003	9.6	10	47	89	12180
K2GPR30620340879	0003	6.2	8	34	79	7923	K2GPR30970471089	0003	9.7	10	47	89	12180
K2GPR30630340879	0003	6.3	8	34	79	7923	K2GPR30980471089	0003	9.8	10	47	89	12180

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	12180	K2GPR313206014A7	0003	13.2	14	60	107	26493
K2GPR31000471089	0003	10	10	47	89	12180	K2GPR313306014A7	0003	13.3	14	60	107	26493
K2GPR310105512A2	0003	10.1	12	55	102	21295	K2GPR313406014A7	0003	13.4	14	60	107	26493
K2GPR310205512A2	0003	10.2	12	55	102	21295	K2GPR313506014A7	0003	13.5	14	60	107	26493
K2GPR310305512A2	0003	10.3	12	55	102	21295	K2GPR313606014A7	0003	13.6	14	60	107	26493
K2GPR310405512A2	0003	10.4	12	55	102	21295	K2GPR313706014A7	0003	13.7	14	60	107	26493
K2GPR310505512A2	0003	10.5	12	55	102	21295	K2GPR313806014A7	0003	13.8	14	60	107	26493
K2GPR310605512A2	0003	10.6	12	55	102	21295	K2GPR313906014A7	0003	13.9	14	60	107	26493
K2GPR310705512A2	0003	10.7	12	55	102	21295	K2GPR314006014A7	0003	14	14	60	107	26493
K2GPR310805512A2	0003	10.8	12	55	102	21295	K2GPR314206516B5	0003	14.2	16	65	115	29835
K2GPR310905512A2	0003	10.9	12	55	102	21295	K2GPR314306516B5	0003	14.3	16	65	115	29835
K2GPR311005512A2	0003	11	12	55	102	21295	K2GPR314506516B5	0003	14.5	16	65	115	29835
K2GPR311105512A2	0003	11.1	12	55	102	21295	K2GPR314606516B5	0003	14.6	16	65	115	29835
K2GPR311205512A2	0003	11.2	12	55	102	21295	K2GPR314706516B5	0003	14.7	16	65	115	34062
K2GPR311305512A2	0003	11.3	12	55	102	21295	K2GPR314806516B5	0003	14.8	16	65	115	34062
K2GPR311405512A2	0003	11.4	12	55	102	21295	K2GPR315006516B5	0003	15	16	65	115	35270
K2GPR311505512A2	0003	11.5	12	55	102	21295	K2GPR315206516B5	0003	15.2	16	65	115	35270
K2GPR311605512A2	0003	11.6	12	55	102	21295	K2GPR315506516B5	0003	15.5	16	65	115	35270
K2GPR311705512A2	0003	11.7	12	55	102	21295	K2GPR315706516B5	0003	15.7	16	65	115	35270
K2GPR311805512A2	0003	11.8	12	55	102	21295	K2GPR315806516B5	0003	15.8	16	65	115	35270
K2GPR311905512A2	0003	11.9	12	55	102	21295	K2GPR316006516B5	0003	16	16	65	115	35270
K2GPR312005512A2	0003	12	12	55	102	21295	K2GPR316507318C3	0003	16.5	18	73	123	55301
K2GPR312106014A7	0003	12.1	14	60	107	26493	K2GPR316807318C3	0003	16.8	18	73	123	55301
K2GPR312206014A7	0003	12.2	14	60	107	26493	K2GPR317007318C3	0003	17	18	73	123	55301
K2GPR312306014A7	0003	12.3	14	60	107	26493	K2GPR317507318C3	0003	17.5	18	73	123	55301
K2GPR312406014A7	0003	12.4	14	60	107	26493	K2GPR317807318C3	0003	17.8	18	73	123	55301
K2GPR312506014A7	0003	12.5	14	60	107	26493	K2GPR318007318C3	0003	18	18	73	123	55301
K2GPR312606014A7	0003	12.6	14	60	107	26493	K2GPR318507920D1	0003	18.5	20	79	131	70962
K2GPR312706014A7	0003	12.7	14	60	107	26493	K2GPR319007920D1	0003	19	20	79	131	70962
K2GPR312806014A7	0003	12.8	14	60	107	26493	K2GPR319507920D1	0003	19.5	20	79	131	70962
K2GPR312906014A7	0003	12.9	14	60	107	26493	K2GPR319807920D1	0003	19.8	20	79	131	70962
K2GPR313006014A7	0003	13	14	60	107	26493	K2GPR320007920D1	0003	20	20	79	131	70962
K2GPR313106014A7	0003	13.1	14	60	107	26493							

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	5173	K2GPR50640530891	0003	6.4	8	53	91	10008
K2GPR50310280666	0003	3.1	6	28	66	5173	K2GPR50650530891	0003	6.5	8	53	91	10008
K2GPR50320280666	0003	3.2	6	28	66	5173	K2GPR50660530891	0003	6.6	8	53	91	10008
K2GPR50330280666	0003	3.3	6	28	66	5173	K2GPR50670530891	0003	6.7	8	53	91	10008
K2GPR50340280666	0003	3.4	6	28	66	5173	K2GPR50680530891	0003	6.8	8	53	91	10008
K2GPR50350280666	0003	3.5	6	28	66	5173	K2GPR50690530891	0003	6.9	8	53	91	10008
K2GPR50360280666	0003	3.6	6	28	66	5173	K2GPR50700530891	0003	7	8	53	91	10008
K2GPR50370280666	0003	3.7	6	28	66	5173	K2GPR50710530891	0003	7.1	8	53	91	10008
K2GPR50380360674	0003	3.8	6	36	74	6290	K2GPR50720530891	0003	7.2	8	53	91	10008
K2GPR50390360674	0003	3.9	6	36	74	6290	K2GPR50730530891	0003	7.2	8	53	91	10008
K2GPR50400360674	0003	4	6	36	74	6290	K2GPR50740530891	0003	7.4	8	53	91	10008
K2GPR50410360674	0003	4.1	6	36	74	6290	K2GPR50750530891	0003	7.5	8	53	91	10008
K2GPR50420360674	0003	4.2	6	36	74	6290	K2GPR50760530891	0003	7.6	8	53	91	10008
K2GPR50430360674	0003	4.3	6	36	74	6290	K2GPR50770530891	0003	7.7	8	53	91	10008
K2GPR50440360674	0003	4.4	6	36	74	6290	K2GPR50780530891	0003	7.8	8	53	91	10008
K2GPR50450360674	0003	4.5	6	36	74	6290	K2GPR50790530891	0003	7.9	8	53	91	10008
K2GPR50460360674	0003	4.6	6	36	74	6290	K2GPR50800530891	0003	8	8	53	91	10008
K2GPR50470360674	0003	4.7	6	36	74	6290	K2GPR508106110A3	0003	8.1	10	61	103	15033
K2GPR50480440682	0003	4.8	6	44	82	6290	K2GPR508206110A3	0003	8.2	10	61	103	15033
K2GPR50490440682	0003	4.9	6	44	82	6290	K2GPR508306110A3	0003	8.3	10	61	103	15033
K2GPR50500440682	0003	5	6	44	82	6290	K2GPR508406110A3	0003	8.4	10	61	103	15033
K2GPR50510440682	0003	5.1	6	44	82	6290	K2GPR508506110A3	0003	8.5	10	61	103	15033
K2GPR50520440682	0003	5.2	6	44	82	6290	K2GPR508606110A3	0003	8.6	10	61	103	15033
K2GPR50530440682	0003	5.3	6	44	82	6290	K2GPR508706110A3	0003	8.7	10	61	103	15033
K2GPR50540440682	0003	5.4	6	44	82	6290	K2GPR508806110A3	0003	8.8	10	61	103	15033
K2GPR50550440682	0003	5.5	6	44	82	6290	K2GPR508906110A3	0003	8.9	10	61	103	15033
K2GPR50560440682	0003	5.6	6	44	82	6290	K2GPR509006110A3	0003	9	10	61	103	15278
K2GPR50570440682	0003	5.7	6	44	82	6290	K2GPR509106110A3	0003	9.1	10	61	103	15278
K2GPR50580440682	0003	5.8	6	44	82	6290	K2GPR509206110A3	0003	9.2	10	61	103	15278
K2GPR50590440682	0003	5.9	6	44	82	6290	K2GPR509306110A3	0003	9.3	10	61	103	15278
K2GPR50600440682	0003	6	6	44	82	6290	K2GPR509406110A3	0003	9.4	10	61	103	15278
K2GPR50610530891	0003	6.1	8	53	91	10008	K2GPR509506110A3	0003	9.5	10	61	103	15278
K2GPR50620530891	0003	6.2	8	53	91	10008	K2GPR509606110A3	0003	9.6	10	61	103	15278
K2GPR50630530891	0003	6.3	8	53	91	10008	K2GPR509706110A3	0003	9.7	10	61	103	15278

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	15278	K2GPR513107714C4	0003	13.1	14	77	124	30048
K2GPR509906110A3	0003	9.9	10	61	103	15278	K2GPR513207714C4	0003	13.2	14	77	124	30048
K2GPR510006110A3	0003	10	10	61	103	15278	K2GPR513307714C4	0003	13.3	14	77	124	30048
K2GPR510107112B8	0003	10.1	12	71	118	24861	K2GPR513407714C4	0003	13.4	14	77	124	30048
K2GPR510207112B8	0003	10.2	12	71	118	24861	K2GPR513507714C4	0003	13.5	14	77	124	30048
K2GPR510307112B8	0003	10.3	12	71	118	24861	K2GPR513607714C4	0003	13.6	14	77	124	30048
K2GPR510407112B8	0003	10.4	12	71	118	24861	K2GPR513707714C4	0003	13.7	14	77	124	30048
K2GPR510507112B8	0003	10.5	12	71	118	24861	K2GPR513807714C4	0003	13.8	14	77	124	30048
K2GPR510607112B8	0003	10.6	12	71	118	24861	K2GPR514007714C4	0003	14	14	77	124	30048
K2GPR510707112B8	0003	10.7	12	71	118	24861	K2GPR514208316D3	0003	14.2	16	83	133	37034
K2GPR510807112B8	0003	10.8	12	71	118	24861	K2GPR514308316D3	0003	14.3	16	83	133	37034
K2GPR510907112B8	0003	10.9	12	71	118	24861	K2GPR514508316D3	0003	14.3	16	83	133	37034
K2GPR511007112B8	0003	11	12	71	118	24861	K2GPR514608316D3	0003	14.6	16	83	133	37034
K2GPR511107112B8	0003	11.1	12	71	118	24861	K2GPR514708316D3	0003	14.7	16	83	133	37034
K2GPR511207112B8	0003	11.2	12	71	118	24861	K2GPR514808316D3	0003	14.8	16	83	133	37034
K2GPR511307112B8	0003	11.3	12	71	118	24861	K2GPR515008316D3	0003	15	16	83	133	38197
K2GPR511407112B8	0003	11.4	12	71	118	24861	K2GPR515208316D3	0003	15.3	16	83	133	38197
K2GPR511507112B8	0003	11.5	12	71	118	24861	K2GPR515508316D3	0003	15.5	16	83	133	38197
K2GPR511607112B8	0003	11.6	12	71	118	24861	K2GPR515708316D3	0003	15.7	16	83	133	38197
K2GPR511707112B8	0003	11.7	12	71	118	24861	K2GPR515808316D3	0003	15.8	16	83	133	38197
K2GPR511807112B8	0003	11.8	12	71	118	24861	K2GPR516008316D3	0003	16	16	83	133	38197
K2GPR511907112B8	0003	11.9	12	71	118	24861	K2GPR516509318E3	0003	16.5	18	93	143	56496
K2GPR512007112B8	0003	12	12	71	118	24861	K2GPR516809318E3	0003	16.8	18	93	143	56496
K2GPR512107714C4	0003	12.1	14	77	124	30048	K2GPR517009318E3	0003	17	18	93	143	56496
K2GPR512207714C4	0003	12.2	14	77	124	30048	K2GPR517509318E3	0003	17.5	18	93	143	56496
K2GPR512307714C4	0003	12	14	77	124	30048	K2GPR517809318E3	0003	17.8	18	93	143	56496
K2GPR512407714C4	0003	12.5	14	77	124	30048	K2GPR518009318E3	0003	18	18	93	143	56496
K2GPR512507714C4	0003	12.5	14	77	124	30048	K2GPR518510120F3	0003	18.5	20	101	153	66876
K2GPR512607714C4	0003	12.6	14	77	124	30048	K2GPR519010120F3	0003	19	20	101	153	66876
K2GPR512707714C4	0003	12.7	14	77	124	30048	K2GPR519510120F3	0003	19.5	20	101	153	66876
K2GPR512807714C4	0003	12.8	14	77	124	30048	K2GPR519810120F3	0003	19.8	20	101	153	66876
K2GPR512907714C4	0003	12.9	14	77	124	30048	K2GPR520010120F3	0003	20	20	101	153	66876
K2GPR513007714C4	0003	13	14	77	124	30048							

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
K4GPSE0300603038	00S3	3.0	3	6	38.0	1781	K4GPSE0201203038	0003	2.0	3	12	38.0	2126
K4GPSE0300604038	00S3	3.0	4	6	38.0	2618	K4GPSE0301203038	0003	3.0	3	12	38.0	1974
K4GPSE0300606038	00S3	3.0	6	6	38.0	2327	K4GPSE0301204038	0003	3.0	4	12	38.0	2145
K4GPSE0350704050	00S3	3.5	4	7	50.0	2618	K4GPSE0301206038	0003	3.0	6	12	38.0	2340
K4GPSE0400804050	00S3	4.0	4	8	50.0	2403	K4GPSE0351204050	0003	3.5	4	12	50.0	2811
K4GPSE0400806050	00S3	4.0	6	8	50.0	3305	K4GPSE0401404050	0003	4.0	4	14	50.0	2596
K4GPSE0501006050	00S3	5.0	6	10	50.0	3305	K4GPSE0401406050	0003	4.0	6	14	50.0	3222
K4GPSE0551006054	00S3	5.5	6	10	54.0	3305	K4GPSE0451605050	0003	4.5	5	16	50.0	3476
K4GPSE0601206054	00S3	6.0	6	12	54.0	3090	K4GPSE0501605050	0003	5.0	5	16	50.0	3261
K4GPSE0701207054	00S3	7.0	7	12	54.0	3628	K4GPSE0501606050	0003	5.0	6	16	50.0	3222
K4GPSE0701208054	00S3	7.0	8	12	54.0	4484	K4GPSE0551606056	0003	5.5	6	16	56.0	3606
K4GPSE0801208054	00S3	8.0	8	12	54.0	4271	K4GPSE0601906056	0003	6.0	6	19	56.0	3391
K4GPSE0901409066	00S3	9.0	9	14	66.0	5364	K4GPSE0701907063	0003	7.0	7	19	63.0	4076
K4GPSE0901410066	00S3	9.0	10	14	66.0	8110	K4GPSE0802008063	0003	8.0	8	20	63.0	4120
K4GPSE1001410066	00S3	10.0	10	14	66.0	7878	K4GPSE0852209075	0003	8.5	9	22	75.0	6523
K4GPSE1101911073	00S3	11.0	11	19	73.0	9697	K4GPSE0902209075	0003	9.0	9	22	75.0	5988
K4GPSE1101912073	00S3	11.0	12	19	73.0	10259	K4GPSE1002210075	0003	10.0	10	22	75.0	7532
K4GPSE1201912073	00S3	12.0	12	19	73.0	9999	K4GPSE1102511075	0003	11.0	11	25	75.0	9686
K4GPSE1302214075	00S3	13.0	14	22	75.0	15011	K4GPSE1202512075	0003	12.0	12	25	75.0	10102
K4GPSE1402214075	00S3	14.0	14	22	75.0	14751	K4GPSE1302514075	0003	13.0	14	25	75.0	18379
K4GPSE1502516082	00S3	15.0	16	25	82.0	17403	K4GPSE1403214089	0003	14.0	14	32	89.0	18118
K4GPSE1602516082	00S3	16.0	16	25	82.0	17142	K4GPSE1503216089	0003	15.0	16	32	89.0	21021
K4GPSE1702518084	00S3	17.0	18	25	84.0	24467	K4GPSE1603216089	0003	16.0	16	32	89.0	19161
K4GPSE1802518084	00S3	18.0	18	25	84.0	24207	K4GPSE1803818100	0003	18.0	18	38	100.0	29717
K4GPSE1902520084	00S3	19.0	20	25	84.0	37881	K4GPSE1903820100	0003	19.0	20	38	100.0	41707
K4GPSE2002520084	00S3	20.0	20	25	84.0	37620	K4GPSE2003820100	0003	20.0	20	38	100.0	41707
							K4GPSE2203822100	0003	22.0	22	38	100.0	45878
							K4GPSE2503825100	0003	25.0	25	38	100.0	57544

  

LONG SERIES							EXTRA LONG SERIES						
Item code	Variant	CD	SD	FL	OAL	List Price	Item code	Variant	CD	SD	FL	OAL	List Price
K4GPSE0302503075	00L3	3.0	3	25	75.0	3669	K4GPSE0302504100	00X3	3.0	4	25	100.0	4592
K4GPSE0302504075	00L3	3.0	4	25	75.0	4291	K4GPSE0402504100	00X3	4.0	4	25	100.0	5129
K4GPSE0402504075	00L3	4.0	4	25	75.0	4076	K4GPSE0502506100	00X3	5.0	6	25	100.0	5992
K4GPSE0502505075	00L3	5.0	5	25	75.0	4614	K4GPSE0603006100	00X3	6.0	6	30	100.0	5992
K4GPSE0502506075	00L3	5.0	6	25	75.0	4999	K4GPSE0803508100	00X3	8.0	8	35	100.0	7952
K4GPSE0602506075	00L3	6.0	6	25	75.0	4785	K4GPSE0804008120	00X3	8.0	8	40	120.0	9938
K4GPSE0803008075	00L3	8.0	8	30	75.0	5472	K4GPSE0805008150	00X3	8.0	8	50	150.0	9938
K4GPSE1004010100	00L3	10.0	10	40	100.0	9392	K4GPSE1007510150	00X3	10.0	10	75	150.0	11681
K4GPSE1005010100	00L3	10.0	10	50	100.0	9815	K4GPSE1207512150	00X3	12.0	12	75	150.0	29394
K4GPSE1205012100	00L3	12.0	12	50	100.0	14490	K4GPSE1407514150	00X3	14.0	14	75	150.0	46495
K4GPSE1405014100	00L3	14.0	14	50	100.0	24800	K4GPSE1607516150	00X3	16.0	16	75	150.0	54732
K4GPSE1605016100	00L3	16.0	16	50	100.0	29190	K4GPSE1807518150	00X3	18.0	18	75	150.0	73132
K4GPSE1805018100	00L3	18.0	18	50	100.0	39003	K4GPSE2007520150	00X3	20.0	20	75	150.0	95198
K4GPSE2005020100	00L3	20.0	20	50	100.0	50845							
K4GPSE2507525150	00L3	25.0	25	75	150.0	97702							

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	2100
K4GPSB0400804050	00S3	4.0	4	8	50	2832
K4GPSB0501005050	00S3	5.0	5	10	50	3541
K4GPSB0501006050	00S3	5.0	6	10	50	3820
K4GPSB0601206050	00S3	6.0	6	12	50	3606
K4GPSB0801208050	00S3	8.0	8	12	50	4281
K4GPSB1001610056	00S3	10.0	10	16	56	7938
K4GPSB1201912063	00S3	12.0	12	19	63	10219
K4GPSB1401914070	00S3	14.0	14	19	70	18247
K4GPSB1602516076	00S3	16.0	16	25	76	19290
K4GPSB2002520076	00S3	20.0	20	25	76	37537
REGULAR SERIES						
Item code	Variant	Cutting Dia	Shank Dia	Flute Length	Overall Length	List Price
K4GPSB0251203038	0003	2.5	3	12	38	2620
K4GPSB0301203038	0003	3.0	3	12	38	2328
K4GPSB0301204038	0003	3.0	4	12	38	2547
K4GPSB0301206038	0003	3.0	6	12	38	2832
K4GPSB0401404050	0003	4.0	4	14	50	3069
K4GPSB0401406050	0003	4.0	6	14	50	3813
K4GPSB0501605050	0003	5.0	5	16	50	3862
K4GPSB0501606050	0003	5.0	6	16	50	3813
K4GPSB0601906056	0003	6.0	6	19	56	4031
K4GPSB0802008063	0003	8.0	8	20	63	4710
K4GPSB1002210075	0003	10.0	10	22	75	8875
K4GPSB1202512075	0003	12.0	12	25	75	11953
K4GPSB1403214089	0003	14.0	14	32	89	23580
K4GPSB1603216089	0003	16.0	16	32	89	22655
K4GPSB1803818100	0003	18.0	18	38	100	35167
K4GPSB2003820100	0003	20.0	20	38	100	49554
K4GPSB2504025100	0003	25.0	25	40	100	67832
LONG SERIES						
Item code	Variant	Cutting Dia	Shank Dia	Flute Length	Overall Length	List Price
K4GPSB0302003075	00L3	3.0	3	20	75	4315
K4GPSB0302004075	00L3	3.0	4	20	75	5027
K4GPSB0402004075	00L3	4.0	4	20	75	4812
K4GPSB0502506075	00L3	5.0	6	25	75	5869
K4GPSB0602506075	00L3	6.0	6	25	75	5655
K4GPSB0802508089	00L3	8.0	8	25	89	7641
K4GPSB1003010089	00L3	10.0	10	30	89	9721
K4GPSB1004010100	00L3	10.0	10	40	100	10990
K4GPSB1203012100	00L3	12.0	12	30	100	16229
K4GPSB1604516100	00L3	16.0	16	45	100	26280
K4GPSB2004520100	00L3	20.0	20	45	100	49853

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	2794
K4DSSE0200503050	0006	SC DSSE 4F 2x3x5x50 ALTIN Coating	2	3	5	50	2472
K4DSSE0301003050	0006	SC DSSE 4F 3x3x10x50 ALTIN Coating	3	3	10	50	2477
K4DSSE0301204050	0006	SC DSSE 4F 3x4x12x50 ALTIN Coating	3	4	12	50	2808
K4DSSE0401204050	0006	SC DSSE 4F 4x4x12x50 ALTIN Coating	4	4	12	50	3318
K4DSSE0501305050	0006	SC DSSE 4F 5x5x13x50 ALTIN Coating	5	5	13	50	3952
K4DSSE0601506060	0006	SC DSSE 4F 6x6x15x60 ALTIN Coating	6	6	15	60	4431
K4DSSE0802008060	0006	SC DSSE 4F 8x8x20x60 ALTIN Coating	8	8	20	60	6067
K4DSSE1002510075	0006	SC DSSE 4F 10x10x25x75 ALTIN Coating	10	10	25	75	11168
K4DSSE1203012075	0006	SC DSSE 4F 12x12x30x75 ALTIN Coating	12	12	30	75	16591
K4DSSE1403214075	0006	SC DSSE 4F 14x14x32x75 ALTIN Coating	14	14	32	75	22571
K4DSSE1603216100	0006	SC DSSE 4F 16x16x32x100 ALTIN Coating	16	16	32	100	34163
K4DSSE1803818100	0006	SC DSSE 4F 18x18x38x100 ALTIN Coating	18	18	38	100	42299
K4DSSE2003820100	0006	SC DSSE 4F 20x20x38x100 ALTIN Coating	20	20	38	100	53414

### 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	3452
K4DSSE0401604075	00L6	SC DSSE 4F 4x4x16x75 ALTIN Coating	4	4	16	75	5250
K4DSSE0502005075	00L6	SC DSSE 4F 5x5x20x75 ALTIN Coating	5	5	20	75	5035
K4DSSE0602006075	00L6	SC DSSE 4F 6x6x20x75 ALTIN Coating	6	6	20	75	5968
K4DSSE0802008075	00L6	SC DSSE 4F 8x8x20x75 ALTIN Coating	8	8	20	75	7203
K4DSSE1002510100	00L6	SC DSSE 4F 10x10x25x100 ALTIN Coating	10	10	25	100	15846
K4DSSE1203012100	00L6	SC DSSE 4F 12x12x30x100 ALTIN Coating	12	12	30	100	24202
K4DSSE1604516120	00L6	SC DSSE 4F 16x16x45x120 ALTIN Coating	16	16	45	120	47096
K4DSSE2004520120	00L6	SC DSSE 4F 20x20x45x120 ALTIN Coating	20	20	45	120	86685

### 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	3778
K4DSSE0401604100	00X6	SC DSSE 4F 4x4x16x100 ALTIN Coating	4	4	16	100	5138
K4DSSE0502005100	00X6	SC DSSE 4F 5x5x20x100 ALTIN Coating	5	5	20	100	5449
K4DSSE0602006100	00X6	SC DSSE 4F 6x6x20x100 ALTIN Coating	6	6	20	100	6451
K4DSSE0602006150	00X6	SC DSSE 4F 6x6x20x150 ALTIN Coating	6	6	20	150	7988
K4DSSE0802008100	00X6	SC DSSE 4F 8x8x20x100 ALTIN Coating	8	8	20	100	10047
K4DSSE0802008150	00X6	SC DSSE 4F 8x8x20x150 ALTIN Coating	8	8	20	150	12663
K4DSSE1002510150	00X6	SC DSSE 4F 10x10x25x150 ALTIN Coating	10	10	25	150	19153
K4DSSE1203012150	00X6	SC DSSE 4F 12x12x30x150 ALTIN Coating	12	12	30	150	29464
K4DSSE1604516150	00X6	SC DSSE 4F 16x16x45x150 ALTIN Coating	16	16	45	150	48242
K4DSSE2004520150	00X6	SC DSSE 4F 20x20x45x150 ALTIN Coating	20	20	45	150	81995

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	3429
K2DSSB0200404050	0006	SC DSSB 2F 2x4x4x50 ALTIN Coating	2	4	4	50	3429
K2DSSB0300603050	0006	SC DSSB 2F 3x3x6x50 ALTIN Coating	3	3	6	50	3346
K2DSSB0400804050	0006	SC DSSB 2F 4x4x8x50 ALTIN Coating	4	4	8	50	3674
K2DSSB0501305050	0006	SC DSSB 2F 5x5x13x50 ALTIN Coating	5	5	13	50	4354
K2DSSB0601206050	0006	SC DSSB 2F 6x6x12x60 ALTIN Coating	6	6	12	60	5261
K2DSSB0801408060	0006	SC DSSB 2F 8x8x14x60 ALTIN Coating	8	8	14	60	7119
K2DSSB1002210075	0006	SC DSSB 2F 10x10x22x75 ALTIN Coating	10	10	22	75	13505
K2DSSB1202512075	0006	SC DSSB 2F 12x12x25x75 ALTIN Coating	12	12	25	75	17839
K2DSSB1603216100	0006	SC DSSB 2F 16x16x32x100 ALTIN Coating	16	16	32	100	36149
K2DSSB2003220100	0006	SC DSSB 2F 20x20x32x100 ALTIN Coating	20	20	32	100	79189

### 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	4407
K2DSSB0400804075	00L6	SC DSSB 2F 4x4x8x75 ALTIN Coating	4	4	8	75	5168
K2DSSB0501005075	00L6	SC DSSB 2F 5x5x10x75 ALTIN Coating	5	5	10	75	5469
K2DSSB0601206075	00L6	SC DSSB 2F 6x6x12x75 ALTIN Coating	6	6	12	75	6055
K2DSSB0801608075	00L6	SC DSSB 2F 8x8x16x75 ALTIN Coating	8	8	16	75	7773
K2DSSB1002210100	00L6	SC DSSB 2F 10x10x22x100 ALTIN Coating	10	10	22	100	14953
K2DSSB1202512100	00L6	SC DSSB 2F 12x12x25x100 ALTIN Coating	12	12	25	100	22036

### 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	5851
K2DSSB0501005100	00X6	SC DSSB 2F 5x5x10x100 ALTIN Coating	5	5	10	100	6061
K2DSSB0601206100	00X6	SC DSSB 2F 6x6x12x100 ALTIN Coating	6	6	12	100	6707
K2DSSB0601206150	00X6	SC DSSB 2F 6x6x12x150 ALTIN Coating	6	6	12	150	9218
K2DSSB0801608100	00X6	SC DSSB 2F 8x8x16x100 ALTIN Coating	8	8	16	100	9975
K2DSSB0801608150	00X6	SC DSSB 2F 8x8x16x150 ALTIN Coating	8	8	16	150	12813
K2DSSB1002210150	00X6	SC DSSB 2F 10x10x22x150 ALTIN Coating	10	10	22	150	20161
K2DSSB1202512150	00X6	SC DSSB 2F 12x12x25x150 ALTIN Coating	12	12	25	150	30201

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	3688
K4DSSR0300803050	1006	SC DSSR 4F 3x3x8x50xCR1 ALTIN Coating	3	1.0	3	8	50	3688
K4DSSR0401104050	0506	SC DSSR 4F 4x4x11x50xCR0.5 ALTIN Coating	4	0.5	4	11	50	3835
K4DSSR0401104050	1006	SC DSSR 4F 4x4x11x50xCR1 ALTIN Coating	4	1.0	4	11	50	3835
K4DSSR0501305050	0506	SC DSSR 4F 5x5x13x50xCR0.5 ALTIN Coating	5	0.5	5	13	50	4515
K4DSSR0501305050	1006	SC DSSR 4F 5x5x13x50xCR1 ALTIN Coating	5	1.0	5	13	50	4515
K4DSSR0601606050	0506	SC DSSR 4F 6x6x16x50xCR0.5 ALTIN Coating	6	0.5	6	16	50	4995
K4DSSR0601606050	1006	SC DSSR 4F 6x6x16x50xCR1 ALTIN Coating	6	1.0	6	16	50	4995
K4DSSR0802008060	0506	SC DSSR 4F 8x8x20x60xCR0.5 ALTIN Coating	8	0.5	8	20	60	7303
K4DSSR0802008060	1006	SC DSSR 4F 8x8x20x60xCR1 ALTIN Coating	8	1.0	8	20	60	7303
K4DSSR1002510075	0506	SC DSSR 4F 10x10x25x75xCR0.5 ALTIN Coating	10	0.5	10	25	75	11924
K4DSSR1002510075	1006	SC DSSR 4F 10x10x25x75xCR1 ALTIN Coating	10	1.0	10	25	75	11924
K4DSSR1203012075	1006	SC DSSR 4F 12x12x30x75xCR1 ALTIN Coating	12	1.0	12	30	75	17726
K4DSSR1203012075	2006	SC DSSR 4F 12x12x30x75xCR2 ALTIN Coating	12	2.0	12	30	75	17726
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	4876
K4DSSR0300803075	10L6	SC DSSR 4F 3x3x8x75xCR1 ALTIN Coating	3	1.0	3	8	75	4876
K4DSSR0401104075	05L6	SC DSSR 4F 4x4x11x75xCR0.5 ALTIN Coating	4	0.5	4	11	75	5185
K4DSSR0401104075	10L6	SC DSSR 4F 4x4x11x75xCR1 ALTIN Coating	4	1.0	4	11	75	5185
K4DSSR0501305075	05L6	SC DSSR 4F 5x5x13x75xCR0.5 ALTIN Coating	5	0.5	5	13	75	5651
K4DSSR0501305075	10L6	SC DSSR 4F 5x5x13x75xCR1 ALTIN Coating	5	1.0	5	13	75	5651
K4DSSR0601606075	05L6	SC DSSR 4F 6x6x16x75xCR0.5 ALTIN Coating	6	0.5	6	16	75	6309
K4DSSR0601606075	10L6	SC DSSR 4F 6x6x16x75xCR1 ALTIN Coating	6	1.0	6	16	75	6309
K4DSSR0601606100	05L6	SC DSSR 4F 6x6x16x100xCR0.5 ALTIN Coating	6	0.5	6	16	100	7256
K4DSSR0601606100	10L6	SC DSSR 4F 6x6x16x100xCR1 ALTIN Coating	6	1.0	6	16	100	7256
K4DSSR0802008075	05L6	SC DSSR 4F 8x8x20x75xCR0.5 ALTIN Coating	8	0.5	8	20	75	8370
K4DSSR0802008075	10L6	SC DSSR 4F 8x8x20x75xCR1 ALTIN Coating	8	1.0	8	20	75	8370
K4DSSR0802008100	05L6	SC DSSR 4F 8x8x20x100xCR0.5 ALTIN Coating	8	0.5	8	20	100	10664
K4DSSR0802008100	10L6	SC DSSR 4F 8x8x20x100xCR1 ALTIN Coating	8	1.0	8	20	100	10664
K4DSSR1002510100	05L6	SC DSSR 4F 10x10x25x100xCR0.5 ALTIN Coating	10	0.5	10	25	100	16038
K4DSSR1002510100	10L6	SC DSSR 4F 10x10x25x100xCR1 ALTIN Coating	10	1.0	10	25	100	16038
K4DSSR1203012100	10L6	SC DSSR 4F 12x12x30x100xCR1 ALTIN Coating	12	1.0	12	30	100	24039
K4DSSR1203012100	20L6	SC DSSR 4F 12x12x30x100xCR2 ALTIN Coating	12	2.0	12	30	100	24039
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	10284
K4DSSR0601606150	10X6	SC DSSR 4F 6x6x16x150xCR1 ALTIN Coating	6	1.0	6	16	150	10284
K4DSSR0802008150	05X6	SC DSSR 4F 8x8x20x150xCR0.5 ALTIN Coating	8	0.5	8	20	150	14588
K4DSSR0802008150	10X6	SC DSSR 4F 8x8x20x150xCR1 ALTIN Coating	8	1.0	8	20	150	14588
K4DSSR1002510150	05X6	SC DSSR 4F 10x10x25x150xCR0.5 ALTIN Coating	10	0.5	10	25	150	19909
K4DSSR1002510150	10X6	SC DSSR 4F 10x10x25x150xCR1 ALTIN Coating	10	1.0	10	25	150	19909
K4DSSR1203012150	10X6	SC DSSR 4F 12x12x30x150xCR1 ALTIN Coating	12	1.0	12	30	150	34319
K4DSSR1203012150	20X6	SC DSSR 4F 12x12x30x150xCR2 ALTIN Coating	12	2.0	12	30	150	34319

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	2993
K4DHSE0200503050	0009	SC DHSE 4F 2x3x5x50 TISINOS Coating	2	3	5	50	2873
K4DHSE0301003050	0009	SC DHSE 4F 3x3x10x50 TISINOS Coating	3	3	10	50	2779
K4DHSE0301204050	0009	SC DHSE 4F 3x4x12x50 TISINOS Coating	3	4	12	50	3321
K4DHSE0401204050	0009	SC DHSE 4F 4x4x12x50 TISINOS Coating	4	4	12	50	3460
K4DHSE0501305050	0009	SC DHSE 4F 5x5x13x50 TISINOS Coating	5	5	13	50	4079
K4DHSE0601506060	0009	SC DHSE 4F 6x6x15x60 TISINOS Coating	6	6	15	60	5447
K4DHSE0802008060	0009	SC DHSE 4F 8x8x20x60 TISINOS Coating	8	8	20	60	7298
K4DHSE1002510075	0009	SC DHSE 4F 10x10x25x75 TISINOS Coating	10	10	25	75	12288
K4DHSE1203012075	0009	SC DHSE 4F 12x12x30x75 TISINOS Coating	12	12	30	75	18004
K4DHSE1403214075	0009	SC DHSE 4F 14x14x32x75 TISINOS Coating	14	14	32	75	24298
K4DHSE1603216100	0009	SC DHSE 4F 16x16x32x100 TISINOS Coating	16	16	32	100	36951
K4DHSE1803818100	0009	SC DHSE 4F 18x18x38x100 TISINOS Coating	18	18	38	100	46102
K4DHSE2003820100	0009	SC DHSE 4F 20x20x38x100 TISINOS Coating	20	20	38	100	56988

### 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	3750
K4DHSE0401604075	00L9	SC DHSE 4F 4x4x16x75 TISINOS Coating	4	4	16	75	5556
K4DHSE0502005075	00L9	SC DHSE 4F 5x5x20x75 TISINOS Coating	5	5	20	75	5348
K4DHSE0602006075	00L9	SC DHSE 4F 6x6x20x75 TISINOS Coating	6	6	20	75	6296
K4DHSE0802008075	00L9	SC DHSE 4F 8x8x20x75 TISINOS Coating	8	8	20	75	8435
K4DHSE1002510100	00L9	SC DHSE 4F 10x10x25x100 TISINOS Coating	10	10	25	100	17336
K4DHSE1203012100	00L9	SC DHSE 4F 12x12x30x100 TISINOS Coating	12	12	30	100	25866
K4DHSE1604516120	00L9	SC DHSE 4F 16x16x45x120 TISINOS Coating	16	16	45	120	49470
K4DHSE2004520120	00L9	SC DHSE 4F 20x20x45x120 TISINOS Coating	20	20	45	120	89514

### 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	4231
K4DHSE0401604100	00X9	SC DHSE 4F 4x4x16x100 TISINOS Coating	4	4	16	100	5483
K4DHSE0502005100	00X9	SC DHSE 4F 5x5x20x100 TISINOS Coating	5	5	20	100	6465
K4DHSE0602006100	00X9	SC DHSE 4F 6x6x20x100 TISINOS Coating	6	6	20	100	7392
K4DHSE0602006150	00X9	SC DHSE 4F 6x6x20x150 TISINOS Coating	6	6	20	150	9811
K4DHSE0802008100	00X9	SC DHSE 4F 8x8x20x100 TISINOS Coating	8	8	20	100	11118
K4DHSE0802008150	00X9	SC DHSE 4F 8x8x20x150 TISINOS Coating	8	8	20	150	14346
K4DHSE1002510150	00X9	SC DHSE 4F 10x10x25x150 TISINOS Coating	10	10	25	150	21366
K4DHSE1203012150	00X9	SC DHSE 4F 12x12x30x150 TISINOS Coating	12	12	30	150	33745
K4DHSE1604516150	00X9	SC DHSE 4F 16x16x45x150 TISINOS Coating	16	16	45	150	53596
K4DHSE2004520150	00X9	SC DHSE 4F 20x20x45x150 TISINOS Coating	20	20	45	150	89288

0009	TISINOS COATED
00L9	TISINOS COATED
00X9	TISINOS COATED

## SOLID CARBIDE DIE & MOULD HARD BALL NOSE - K2DHSB SERIES ABOVE 60HR<sub>c</sub>

### 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	3700
K2DHSB0200404050	0009	SC DHSB 2F 2x4x4x50 TISINOS Coating	2	4	4	50	3700
K2DHSB0300603050	0009	SC DHSB 2F 3x3x6x50 TISINOS Coating	3	3	6	50	3624
K2DHSB0400804050	0009	SC DHSB 2F 4x4x8x50 TISINOS Coating	4	4	8	50	4049
K2DHSB0501305050	0009	SC DHSB 2F 5x5x13x50 TISINOS Coating	5	5	13	50	4981
K2DHSB0601206060	0009	SC DHSB 2F 6x6x12x60 TISINOS Coating	6	6	12	60	6322
K2DHSB0801408060	0009	SC DHSB 2F 8x8x14x60 TISINOS Coating	8	8	14	60	8172
K2DHSB1002210075	0009	SC DHSB 2F 10x10x22x75 TISINOS Coating	10	10	22	75	15626
K2DHSB1202512075	0009	SC DHSB 2F 12x12x25x75 TISINOS Coating	12	12	25	75	22642
K2DHSB1603216100	0009	SC DHSB 2F 16x16x32x100 TISINOS Coating	16	16	32	100	40563
K2DHSB2003220100	0009	SC DHSB 2F 20x20x32x100 TISINOS Coating	20	20	32	100	83168

### 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	4675
K2DHSB0400804075	00L9	SC DHSB 2F 4x4x8x75 TISINOS Coating	4	4	8	75	5429
K2DHSB0501005075	00L9	SC DHSB 2F 5x5x10x75 TISINOS Coating	5	5	10	75	6407
K2DHSB0601206075	00L9	SC DHSB 2F 6x6x12x75 TISINOS Coating	6	6	12	75	7416
K2DHSB0801608075	00L9	SC DHSB 2F 8x8x16x75 TISINOS Coating	8	8	16	75	10160
K2DHSB1002210100	00L9	SC DHSB 2F 10x10x22x100 TISINOS Coating	10	10	22	100	19022
K2DHSB1202512100	00L9	SC DHSB 2F 12x12x25x100 TISINOS Coating	12	12	25	100	27707

### 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	6315
K2DHSB0501005100	00X9	SC DHSB 2F 5x5x10x100 TISINOS Coating	5	5	10	100	7617
K2DHSB0601206100	00X9	SC DHSB 2F 6x6x12x100 TISINOS Coating	6	6	12	100	8877
K2DHSB0601206150	00X9	SC DHSB 2F 6x6x12x150 TISINOS Coating	6	6	12	150	11497
K2DHSB0801608100	00X9	SC DHSB 2F 8x8x16x100 TISINOS Coating	8	8	16	100	12329
K2DHSB0801608150	00X9	SC DHSB 2F 8x8x16x150 TISINOS Coating	8	8	16	150	16308
K2DHSB1002210150	00X9	SC DHSB 2F 10x10x22x150 TISINOS Coating	10	10	22	150	25257
K2DHSB1202512150	00X9	SC DHSB 2F 12x12x25x150 TISINOS Coating	12	12	25	150	37364

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	3975
K4DHSR0300803050	1006	SC DHSR 4F 3x3x8x50xCR1 TISINOS Coating	3	1.0	3	8	50	3975
K4DHSR0401104050	0506	SC DHSR 4F 4x4x11x50xCR0.5 TISINOS Coating	4	0.5	4	11	50	4540
K4DHSR0401104050	1006	SC DHSR 4F 4x4x11x50xCR1 TISINOS Coating	4	1.0	4	11	50	4540
K4DHSR0501305050	0506	SC DHSR 4F 5x5x13x50xCR0.5 TISINOS Coating	5	0.5	5	13	50	5133
K4DHSR0501305050	1006	SC DHSR 4F 5x5x13x50xCR1 TISINOS Coating	5	1.0	5	13	50	5133
K4DHSR0601606050	0506	SC DHSR 4F 6x6x16x50xCR0.5 TISINOS Coating	6	0.5	6	16	50	5616
K4DHSR0601606050	1006	SC DHSR 4F 6x6x16x50xCR1 TISINOS Coating	6	1.0	6	16	50	5616
K4DHSR0802008060	0506	SC DHSR 4F 8x8x20x60xCR0.5 TISINOS Coating	8	0.5	8	20	60	9128
K4DHSR0802008060	1006	SC DHSR 4F 8x8x20x60xCR1 TISINOS Coating	8	1.0	8	20	60	9128
K4DHSR1002510075	0506	SC DHSR 4F 10x10x25x75xCR0.5 TISINOS Coating	10	0.5	10	25	75	14762
K4DHSR1002510075	1006	SC DHSR 4F 10x10x25x75xCR1 TISINOS Coating	10	1.0	10	25	75	14762
K4DHSR1203012075	1006	SC DHSR 4F 12x12x30x75xCR1 TISINOS Coating	12	1.0	12	30	75	21652
K4DHSR1203012075	2006	SC DHSR 4F 12x12x30x75xCR2 TISINOS Coating	12	2.0	12	30	75	21652

**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	5186
K4DHSR0300803075	10L6	SC DHSR 4F 3x3x8x75xCR1 TISINOS Coating	3	1.0	3	8	75	5186
K4DHSR0401104075	05L6	SC DHSR 4F 4x4x11x75xCR0.5 TISINOS Coating	4	0.5	4	11	75	5939
K4DHSR0401104075	10L6	SC DHSR 4F 4x4x11x75xCR1 TISINOS Coating	4	1.0	4	11	75	5939
K4DHSR0501305075	05L6	SC DHSR 4F 5x5x13x75xCR0.5 TISINOS Coating	5	0.5	5	13	75	6918
K4DHSR0501305075	10L6	SC DHSR 4F 5x5x13x75xCR1 TISINOS Coating	5	1.0	5	13	75	6918
K4DHSR0601606075	05L6	SC DHSR 4F 6x6x16x75xCR0.5 TISINOS Coating	6	0.5	6	16	75	7672
K4DHSR0601606075	10L6	SC DHSR 4F 6x6x16x75xCR1 TISINOS Coating	6	1.0	6	16	75	7672
K4DHSR0601606100	05L6	SC DHSR 4F 6x6x16x100xCR0.5 TISINOS Coating	6	0.5	6	16	100	8430
K4DHSR0601606100	10L6	SC DHSR 4F 6x6x16x100xCR1 TISINOS Coating	6	1.0	6	16	100	8430
K4DHSR0802008075	05L6	SC DHSR 4F 8x8x20x75xCR0.5 TISINOS Coating	8	0.5	8	20	75	10014
K4DHSR0802008075	10L6	SC DHSR 4F 8x8x20x75xCR1 TISINOS Coating	8	1.0	8	20	75	10014
K4DHSR0802008100	05L6	SC DHSR 4F 8x8x20x100xCR0.5 TISINOS Coating	8	0.5	8	20	100	11616
K4DHSR0802008100	10L6	SC DHSR 4F 8x8x20x100xCR1 TISINOS Coating	8	1.0	8	20	100	11616
K4DHSR1002510100	05L6	SC DHSR 4F 10x10x25x100xCR0.5 TISINOS Coating	10	0.5	10	25	100	17304
K4DHSR1002510100	10L6	SC DHSR 4F 10x10x25x100xCR1 TISINOS Coating	10	1.0	10	25	100	17304
K4DHSR1203012100	10L6	SC DHSR 4F 12x12x30x100xCR1 TISINOS Coating	12	1.0	12	30	100	27707
K4DHSR1203012100	20L6	SC DHSR 4F 12x12x30x100xCR2 TISINOS Coating	12	2.0	12	30	100	27707

**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	11300
K4DHSR0601606150	10X6	SC DHSR 4F 6x6x16x150xCR1 TISINOS Coating	6	1.0	6	16	150	11300
K4DHSR0802008150	05X6	SC DHSR 4F 8x8x20x150xCR0.5 TISINOS Coating	8	0.5	8	20	150	15671
K4DHSR0802008150	10X6	SC DHSR 4F 8x8x20x150xCR1 TISINOS Coating	8	1.0	8	20	150	15671
K4DHSR1002510150	05X6	SC DHSR 4F 10x10x25x150xCR0.5 TISINOS Coating	10	0.5	10	25	150	21137
K4DHSR1002510150	10X6	SC DHSR 4F 10x10x25x150xCR1 TISINOS Coating	10	1.0	10	25	150	21137
K4DHSR1203012150	10X6	SC DHSR 4F 12x12x30x150xCR1 TISINOS Coating	12	1.0	12	30	150	35927
K4DHSR1203012150	20X6	SC DHSR 4F 12x12x30x150xCR2 TISINOS Coating	12	2.0	12	30	150	35927

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°**

Item code	Pilot Dia	Body Dia	OAL	List price	
	mm - k12	mm - h9	mm	Uncoated	Coated
K56610315	1	3.15	32	4656	5449
K56612315	1.25	3.15	32	4656	5449
K56620500	2.00	5.00	40	4738	5551
K56631800	3.15	8.00	50	7618	8919
K56640100	4	10.00	56	10880	12288
K56650125	5.00	12.50	63	16973	18714
K56680200	8.00	20.00	80	36798	40981

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

Item code	C	Pilot Dia	Body Dia	OAL	List price	
	NO	Inch	Inch	Inch	Uncoated	Coated
K56620116	2	1/16	3/16	1-3/4	4666	5481
K56630332	3	3/32	1/4	2	6428	7738
K56640180	4	1/8	5/16	2-1/4	7618	8921
K56650316	5	3/16	7/16	2-1/2	15609	17017
K56660140	6	1/4	5/8	3	23175	24913
K56670516	7	5/16	3/4	3-1/2	36024	40207

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**

Itemcode	Dia	Shank Dia	CEL	OAL	No. of Flutes	LIST PRICE	
						Uncoated	Coated
K43600300	3.0	3.0	15	61	4	3382	4372
K43600400	4.0	4.0	19	75	4	3581	4630
K43600500	5.0	5.0	23	86	4	3980	5141
K43600550	5.5	5.6	26	93	4	4694	5861
K43600600	6.0	5.6	26	93	6	5072	6233
K43600650	6.5	6.3	28	101	6	5664	7537
K43600700	7.0	7.1	31	109	6	7553	9426
K43600750	7.5	7.1	31	109	6	8068	9939
K43600800	8.0	8.0	33	117	6	8986	10859
K43600850	8.5	8.0	33	117	6	9074	10943
K43600900	9.0	9.0	36	125	6	12026	13899
K43600950	9.5	9.0	36	125	6	12889	14764
K43601000	10.0	10.0	38	133	6	14211	18199
K43601050	10.5	10.0	38	133	6	14905	18894
K43601100	11.0	10.0	41	142	6	17401	21402
K43601150	11.5	10.0	41	142	6	18308	22297
K43601200	12.0	10.0	44	151	6	20783	24772
K43601250	12.5	10.0	44	151	6	22078	27052
K43601300	13.0	10.0	44	151	6	23058	28036
K43601350	13.5	12.5	47	160	6	25261	30242
K43601400	14.0	12.5	47	160	8	27210	32182
K43601450	14.5	12.5	50	162	8	31693	36669
K43601500	15.0	12.5	50	162	8	32491	37467
K43601550	15.5	12.5	52	170	8	35261	40238
K43601600	16.0	12.5	52	170	8	35385	40361

0000	UNCOATED
0001	TIN COATED
0003	TIALN COATED

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