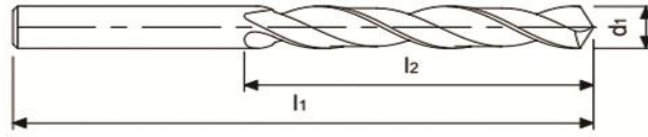


## SOLID CARBIDE TOOLING

### Stub Length Carbide Drills 2 Flute DIN 6539

Supplied by TUSA

Code MTB25



Tolerance
h6

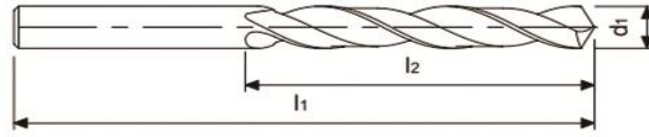
Part Number	Price	Description	d1	l1	l2
JMT2500300	£10.35	3mm 2 Flute Stub Length Carbide Drill	3.0	46	16
JMT2500310	£11.36	3.1mm 2 Flute Stub Length Carbide Drill	3.1	49	18
JMT2500320	£11.48	3.2mm 2 Flute Stub Length Carbide Drill	3.2	49	18
JMT2500330	£11.48	3.3mm 2 Flute Stub Length Carbide Drill	3.3	49	18
JMT2500340	£12.49	3.4mm 2 Flute Stub Length Carbide Drill	3.4	52	20
JMT2500350	£12.38	3.5mm 2 Flute Stub Length Carbide Drill	3.5	52	20
JMT2500360	£12.95	3.6mm 2 Flute Stub Length Carbide Drill	3.6	52	20
JMT2500370	£13.05	3.7mm 2 Flute Stub Length Carbide Drill	3.7	52	20
JMT2500380	£13.39	3.8mm 2 Flute Stub Length Carbide Drill	3.8	55	22
JMT2500390	£13.51	3.9mm 2 Flute Stub Length Carbide Drill	3.9	55	22
JMT2500400	£12.49	4mm 2 Flute Stub Length Carbide Drill	4.0	55	22
JMT2500410	£13.51	4.1mm 2 Flute Stub Length Carbide Drill	4.1	55	22
JMT2500420	£13.62	4.2mm 2 Flute Stub Length Carbide Drill	4.2	55	22
JMT2500430	£14.08	4.3mm 2 Flute Stub Length Carbide Drill	4.3	58	24
JMT2500440	£14.64	4.4mm 2 Flute Stub Length Carbide Drill	4.4	58	24
JMT2500450	£14.08	4.5mm 2 Flute Stub Length Carbide Drill	4.5	58	24
JMT2500460	£14.64	4.6mm 2 Flute Stub Length Carbide Drill	4.6	58	24
JMT2500470	£14.98	4.7mm 2 Flute Stub Length Carbide Drill	4.7	58	24
JMT2500480	£15.21	4.8mm 2 Flute Stub Length Carbide Drill	4.8	62	26
JMT2500490	£15.32	4.9mm 2 Flute Stub Length Carbide Drill	4.9	62	26
JMT2500500	£15.65	5mm 2 Flute Stub Length Carbide Drill	5.0	62	26
JMT2500510	£16.78	5.1mm 2 Flute Stub Length Carbide Drill	5.1	62	26
JMT2500520	£16.78	5.2mm 2 Flute Stub Length Carbide Drill	5.2	62	26
JMT2500530	£17.24	5.3mm 2 Flute Stub Length Carbide Drill	5.3	62	26
JMT2500540	£18.60	5.4mm 2 Flute Stub Length Carbide Drill	5.4	66	28
JMT2500550	£18.26	5.5mm 2 Flute Stub Length Carbide Drill	5.5	66	28
JMT2500560	£19.96	5.6mm 2 Flute Stub Length Carbide Drill	5.6	66	28
JMT2500570	£19.61	5.7mm 2 Flute Stub Length Carbide Drill	5.7	66	28
JMT2500580	£19.61	5.8mm 2 Flute Stub Length Carbide Drill	5.8	66	28
JMT2500590	£19.96	5.9mm 2 Flute Stub Length Carbide Drill	5.9	66	28
JMT2500600	£19.61	6mm 2 Flute Stub Length Carbide Drill	6.0	66	28
JMT2500610	£22.56	6.1mm 2 Flute Stub Length Carbide Drill	6.1	70	31
JMT2500620	£22.56	6.2mm 2 Flute Stub Length Carbide Drill	6.2	70	31
JMT2500630	£22.56	6.3mm 2 Flute Stub Length Carbide Drill	6.3	70	31
JMT2500640	£22.56	6.4mm 2 Flute Stub Length Carbide Drill	6.4	70	31
JMT2500650	£22.56	6.5mm 2 Flute Stub Length Carbide Drill	6.5	70	31
JMT2500660	£24.02	6.6mm 2 Flute Stub Length Carbide Drill	6.6	70	31
JMT2500670	£24.02	6.7mm 2 Flute Stub Length Carbide Drill	6.7	70	31
JMT2500680	£24.02	6.8mm 2 Flute Stub Length Carbide Drill	6.8	74	34
JMT2500690	£24.82	6.9mm 2 Flute Stub Length Carbide Drill	6.9	74	34
JMT2500700	£25.95	7mm 2 Flute Stub Length Carbide Drill	7.0	74	34
JMT2500710	£27.64	7.1mm 2 Flute Stub Length Carbide Drill	7.1	74	34
JMT2500720	£27.64	7.2mm 2 Flute Stub Length Carbide Drill	7.2	74	34
JMT2500730	£27.64	7.3mm 2 Flute Stub Length Carbide Drill	7.3	74	34
JMT2500740	£28.65	7.4mm 2 Flute Stub Length Carbide Drill	7.4	74	34
JMT2500750	£27.19	7.5mm 2 Flute Stub Length Carbide Drill	7.5	74	34

## SOLID CARBIDE TOOLING

### Stub Length Carbide Drills 2 Flute DIN 6539

Supplied by TUSA

Code MTB25



Tolerance
h6

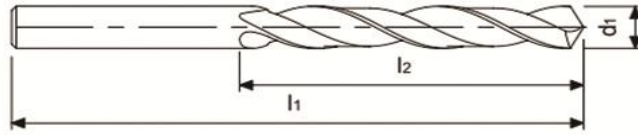
Part Number	Price	Description	d1	l1	l2
JMT2500760	£32.96	7.6mm 2 Flute Stub Length Carbide Drill	7.6	79	37
JMT2500770	£32.96	7.7mm 2 Flute Stub Length Carbide Drill	7.7	79	37
JMT2500780	£32.96	7.8mm 2 Flute Stub Length Carbide Drill	7.8	79	37
JMT2500790	£32.96	7.9mm 2 Flute Stub Length Carbide Drill	7.9	79	37
JMT2500800	£34.87	8mm 2 Flute Stub Length Carbide Drill	8.0	79	37
JMT2500810	£36.79	8.1mm 2 Flute Stub Length Carbide Drill	8.1	79	37
JMT2500820	£36.79	8.2mm 2 Flute Stub Length Carbide Drill	8.2	79	37
JMT2500830	£37.48	8.3mm 2 Flute Stub Length Carbide Drill	8.3	79	37
JMT2500840	£37.48	8.4mm 2 Flute Stub Length Carbide Drill	8.4	79	37
JMT2500850	£35.89	8.5mm 2 Flute Stub Length Carbide Drill	8.5	79	37
JMT2500860	£39.62	8.6mm 2 Flute Stub Length Carbide Drill	8.6	84	40
JMT2500870	£39.62	8.7mm 2 Flute Stub Length Carbide Drill	8.7	84	40
JMT2500880	£41.65	8.8mm 2 Flute Stub Length Carbide Drill	8.8	84	40
JMT2500890	£40.52	8.9mm 2 Flute Stub Length Carbide Drill	8.9	84	40
JMT2500900	£39.62	9mm 2 Flute Stub Length Carbide Drill	9.0	84	40
JMT2500910	£42.57	9.1mm 2 Flute Stub Length Carbide Drill	9.1	84	40
JMT2500920	£42.57	9.2mm 2 Flute Stub Length Carbide Drill	9.2	84	40
JMT2500930	£42.57	9.3mm 2 Flute Stub Length Carbide Drill	9.3	84	40
JMT2500940	£42.57	9.4mm 2 Flute Stub Length Carbide Drill	9.4	84	40
JMT2500950	£41.65	9.5mm 2 Flute Stub Length Carbide Drill	9.5	84	40
JMT2500960	£45.50	9.6mm 2 Flute Stub Length Carbide Drill	9.6	89	43
JMT2500970	£45.50	9.7mm 2 Flute Stub Length Carbide Drill	9.7	89	43
JMT2500980	£45.50	9.8mm 2 Flute Stub Length Carbide Drill	9.8	89	43
JMT2500990	£45.50	9.9mm 2 Flute Stub Length Carbide Drill	9.9	89	43
JMT2501000	£44.14	10mm 2 Flute Stub Length Carbide Drill	10.0	89	43
JMT2501010	£50.70	10.1mm 2 Flute Stub Length Carbide Drill	10.1	89	43
JMT2501020	£48.33	10.2mm 2 Flute Stub Length Carbide Drill	10.2	89	43
JMT2501050	£48.33	10.5mm 2 Flute Stub Length Carbide Drill	10.5	89	43
JMT2501100	£55.00	11mm 2 Flute Stub Length Carbide Drill	11.0	95	47
JMT2501150	£58.96	11.5mm 2 Flute Stub Length Carbide Drill	11.5	95	47
JMT2501180	£60.76	11.8mm 2 Flute Stub Length Carbide Drill	11.8	95	47
JMT2501200	£61.79	12mm 2 Flute Stub Length Carbide Drill	12.0	102	51
JMT2501250	£67.55	12.5mm 2 Flute Stub Length Carbide Drill	12.5	102	51
JMT2501270	£73.20	12.7mm 2 Flute Stub Length Carbide Drill	12.7	102	51
JMT2501300	£76.13	13mm 2 Flute Stub Length Carbide Drill	13.0	102	51
JMT2501350	£105.75	13.5mm 2 Flute Stub Length Carbide Drill	13.5	102	51
JMT2501400	£111.53	14mm 2 Flute Stub Length Carbide Drill	14.0	107	54
JMT2501450	£123.05	14.5mm 2 Flute Stub Length Carbide Drill	14.5	111	56
JMT2501500	£136.40	15mm 2 Flute Stub Length Carbide Drill	15.0	111	56
JMT2501600	£153.69	16mm 2 Flute Stub Length Carbide Drill	16.0	115	58
JMT2501800	£211.23	18mm 2 Flute Stub Length Carbide Drill	18.0	123	62
JMT2502000	£287.88	20mm 2 Flute Stub Length Carbide Drill	20.0	131	66

## SOLID CARBIDE TOOLING

### Stub Length Carbide Drills 3 Flute DIN 6539

Supplied by TUSA

Code MTB25/3



#### Tolerance

h8

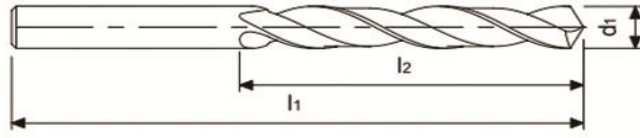
Part Number	Price	Description	d1	l1	l2
JMT2530300	£18.37	3mm 3 Flute Stub Length Carbide Drill	3.0	46	16
JMT2530310	£20.07	3.1mm 3 Flute Stub Length Carbide Drill	3.1	49	18
JMT2530320	£20.07	3.2mm 3 Flute Stub Length Carbide Drill	3.2	49	18
JMT2530330	£20.07	3.3mm 3 Flute Stub Length Carbide Drill	3.3	49	18
JMT2530340	£23.12	3.4mm 3 Flute Stub Length Carbide Drill	3.4	52	20
JMT2530350	£22.33	3.5mm 3 Flute Stub Length Carbide Drill	3.5	52	20
JMT2530360	£22.78	3.6mm 3 Flute Stub Length Carbide Drill	3.6	52	20
JMT2530370	£24.70	3.7mm 3 Flute Stub Length Carbide Drill	3.7	52	20
JMT2530380	£25.49	3.8mm 3 Flute Stub Length Carbide Drill	3.8	55	22
JMT2530390	£25.49	3.9mm 3 Flute Stub Length Carbide Drill	3.9	55	22
JMT2530400	£22.78	4mm 3 Flute Stub Length Carbide Drill	4.0	55	22
JMT2530410	£24.70	4.1mm 3 Flute Stub Length Carbide Drill	4.1	55	22
JMT2530420	£25.38	4.2mm 3 Flute Stub Length Carbide Drill	4.2	55	22
JMT2530430	£27.64	4.3mm 3 Flute Stub Length Carbide Drill	4.3	58	24
JMT2530440	£25.95	4.4mm 3 Flute Stub Length Carbide Drill	4.4	58	24
JMT2530450	£24.92	4.5mm 3 Flute Stub Length Carbide Drill	4.5	58	24
JMT2530460	£29.45	4.6mm 3 Flute Stub Length Carbide Drill	4.6	58	24
JMT2530470	£28.44	4.7mm 3 Flute Stub Length Carbide Drill	4.7	58	24
JMT2530480	£27.41	4.8mm 3 Flute Stub Length Carbide Drill	4.8	62	26
JMT2530490	£27.08	4.9mm 3 Flute Stub Length Carbide Drill	4.9	62	26
JMT2530500	£26.06	5mm 3 Flute Stub Length Carbide Drill	5.0	62	26
JMT2530510	£32.04	5.1mm 3 Flute Stub Length Carbide Drill	5.1	62	26
JMT2530520	£32.04	5.2mm 3 Flute Stub Length Carbide Drill	5.2	62	26
JMT2530530	£32.04	5.3mm 3 Flute Stub Length Carbide Drill	5.3	62	26
JMT2530540	£32.04	5.4mm 3 Flute Stub Length Carbide Drill	5.4	66	28
JMT2530550	£31.03	5.5mm 3 Flute Stub Length Carbide Drill	5.5	66	28
JMT2530560	£32.96	5.6mm 3 Flute Stub Length Carbide Drill	5.6	66	28
JMT2530570	£32.96	5.7mm 3 Flute Stub Length Carbide Drill	5.7	66	28
JMT2530580	£33.97	5.8mm 3 Flute Stub Length Carbide Drill	5.8	66	28
JMT2530590	£33.97	5.9mm 3 Flute Stub Length Carbide Drill	5.9	66	28
JMT2530600	£32.04	6mm 3 Flute Stub Length Carbide Drill	6.0	66	28
JMT2530650	£35.89	6.5mm 3 Flute Stub Length Carbide Drill	6.5	70	31
JMT2530700	£39.74	7mm 3 Flute Stub Length Carbide Drill	7.0	74	34
JMT2530750	£44.71	7.5mm 3 Flute Stub Length Carbide Drill	7.5	74	34
JMT2530800	£47.76	8mm 3 Flute Stub Length Carbide Drill	8.0	79	37
JMT2530850	£54.55	8.5mm 3 Flute Stub Length Carbide Drill	8.5	79	37
JMT2530900	£59.52	9mm 3 Flute Stub Length Carbide Drill	9.0	84	40
JMT2530950	£61.56	9.5mm 3 Flute Stub Length Carbide Drill	9.5	84	40
JMT2531000	£69.35	10mm 3 Flute Stub Length Carbide Drill	10.0	89	43
JMT2531050	£77.38	10.5mm 3 Flute Stub Length Carbide Drill	10.5	89	43
JMT2531100	£93.09	11mm 3 Flute Stub Length Carbide Drill	11.0	95	47
JMT2531150	£97.05	11.5mm 3 Flute Stub Length Carbide Drill	11.5	95	47
JMT2531200	£91.06	12mm 3 Flute Stub Length Carbide Drill	12.0	102	51
JMT2531250	£101.00	12.5mm 3 Flute Stub Length Carbide Drill	12.5	102	51
JMT2531300	£118.65	13mm 3 Flute Stub Length Carbide Drill	13.0	102	51
JMT2531350	£118.78	13.5mm 3 Flute Stub Length Carbide Drill	13.5	107	54
JMT2531400	£140.46	14mm 3 Flute Stub Length Carbide Drill	14.0	107	54
JMT2531450	£158.09	14.5mm 3 Flute Stub Length Carbide Drill	14.5	111	56

## SOLID CARBIDE TOOLING

### Stub Length Carbide Drills 3 Flute DIN 6539

Supplied by TUSA

Code MTB25/3



**Tolerance**

h8

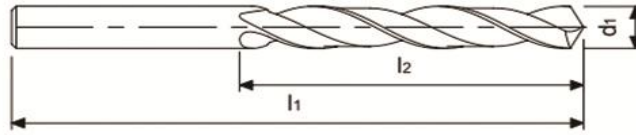
Part Number	Price	Description	d1	l1	l2
JMT2531500	£160.14	15mm 3 Flute Stub Length Carbide Drill	15.0	111	56
JMT2531550	£183.76	15.5mm 3 Flute Stub Length Carbide Drill	15.5	115	58
JMT2531600	£172.01	16mm 3 Flute Stub Length Carbide Drill	16.0	115	58
JMT2531650	£197.55	16.5mm 3 Flute Stub Length Carbide Drill	16.5	119	60
JMT2531700	£217.23	17mm 3 Flute Stub Length Carbide Drill	17.0	119	60
JMT2531750	£236.89	17.5mm 3 Flute Stub Length Carbide Drill	17.5	123	62
JMT2531800	£246.73	18mm 3 Flute Stub Length Carbide Drill	18.0	123	62
JMT2531850	£250.79	18.5mm 3 Flute Stub Length Carbide Drill	18.5	127	64
JMT2531900	£256.67	19mm 3 Flute Stub Length Carbide Drill	19.0	127	64
JMT2531950	£276.35	19.5mm 3 Flute Stub Length Carbide Drill	19.5	131	66
JMT2532000	£286.19	20mm 3 Flute Stub Length Carbide Drill	20.0	131	66

## SOLID CARBIDE TOOLING

### Jobber Length Carbide Drills 2 Flute DIN 338

Supplied by TUSA

Code MTB30



**Tolerance**

h6

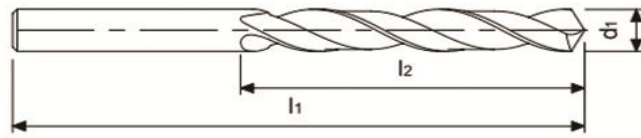
Part Number	Price	Description	d1	l1	l2
JMT3000300	£14.41	3mm Jobber Length 2 Flute Carbide Drill	3.0	61	33
JMT3000310	£16.78	3.1mm Jobber Length 2 Flute Carbide Drill	3.1	65	36
JMT3000320	£16.78	3.2mm Jobber Length 2 Flute Carbide Drill	3.2	65	36
JMT3000330	£16.78	3.3mm Jobber Length 2 Flute Carbide Drill	3.3	65	36
JMT3000340	£18.03	3.4mm Jobber Length 2 Flute Carbide Drill	3.4	70	39
JMT3000350	£17.58	3.5mm Jobber Length 2 Flute Carbide Drill	3.5	70	39
JMT3000360	£18.26	3.6mm Jobber Length 2 Flute Carbide Drill	3.6	70	39
JMT3000370	£18.94	3.7mm Jobber Length 2 Flute Carbide Drill	3.7	70	39
JMT3000380	£19.39	3.8mm Jobber Length 2 Flute Carbide Drill	3.8	75	43
JMT3000390	£19.96	3.9mm Jobber Length 2 Flute Carbide Drill	3.9	75	43
JMT3000400	£17.58	4mm Jobber Length 2 Flute Carbide Drill	4.0	75	43
JMT3000410	£19.61	4.1mm Jobber Length 2 Flute Carbide Drill	4.1	75	43
JMT3000420	£19.61	4.2mm Jobber Length 2 Flute Carbide Drill	4.2	75	43
JMT3000430	£22.56	4.3mm Jobber Length 2 Flute Carbide Drill	4.3	80	47
JMT3000440	£25.83	4.4mm Jobber Length 2 Flute Carbide Drill	4.4	80	47
JMT3000450	£21.42	4.5mm Jobber Length 2 Flute Carbide Drill	4.5	80	47
JMT3000460	£23.35	4.6mm Jobber Length 2 Flute Carbide Drill	4.6	80	47
JMT3000470	£23.35	4.7mm Jobber Length 2 Flute Carbide Drill	4.7	80	47
JMT3000480	£25.38	4.8mm Jobber Length 2 Flute Carbide Drill	4.8	86	52
JMT3000490	£25.38	4.9mm Jobber Length 2 Flute Carbide Drill	4.9	86	52
JMT3000500	£23.35	5mm Jobber Length 2 Flute Carbide Drill	5.0	86	52
JMT3000510	£27.19	5.1mm Jobber Length 2 Flute Carbide Drill	5.1	86	52
JMT3000520	£27.19	5.2mm Jobber Length 2 Flute Carbide Drill	5.2	86	52
JMT3000530	£27.19	5.3mm Jobber Length 2 Flute Carbide Drill	5.3	86	52
JMT3000540	£29.11	5.4mm Jobber Length 2 Flute Carbide Drill	5.4	93	57
JMT3000550	£27.19	5.5mm Jobber Length 2 Flute Carbide Drill	5.5	93	57
JMT3000560	£29.11	5.6mm Jobber Length 2 Flute Carbide Drill	5.6	93	57
JMT3000570	£29.11	5.7mm Jobber Length 2 Flute Carbide Drill	5.7	93	57
JMT3000580	£29.11	5.8mm Jobber Length 2 Flute Carbide Drill	5.8	93	57
JMT3000590	£29.11	5.9mm Jobber Length 2 Flute Carbide Drill	5.9	93	57
JMT3000600	£28.21	6mm Jobber Length 2 Flute Carbide Drill	6.0	93	57
JMT3000650	£32.96	6.5mm Jobber Length 2 Flute Carbide Drill	6.5	101	63
JMT3000700	£46.40	7mm Jobber Length 2 Flute Carbide Drill	7.0	109	69
JMT3000750	£48.33	7.5mm Jobber Length 2 Flute Carbide Drill	7.5	109	69
JMT3000800	£50.25	8mm Jobber Length 2 Flute Carbide Drill	8.0	117	75
JMT3000850	£59.74	8.5mm Jobber Length 2 Flute Carbide Drill	8.5	117	75
JMT3000900	£63.59	9mm Jobber Length 2 Flute Carbide Drill	9.0	125	81
JMT3000950	£67.55	9.5mm Jobber Length 2 Flute Carbide Drill	9.5	125	81
JMT3001000	£69.35	10mm Jobber Length 2 Flute Carbide Drill	10.0	133	87
JMT3001050	£77.05	10.5mm Jobber Length 2 Flute Carbide Drill	10.5	133	87
JMT3001100	£90.49	11mm Jobber Length 2 Flute Carbide Drill	11.0	142	94
JMT3001150	£105.75	11.5mm Jobber Length 2 Flute Carbide Drill	11.5	142	94
JMT3001200	£124.86	12mm Jobber Length 2 Flute Carbide Drill	12.0	151	101
JMT3001250	£134.58	12.5mm Jobber Length 2 Flute Carbide Drill	12.5	151	101
JMT3001300	£134.58	13mm Jobber Length 2 Flute Carbide Drill	13.0	151	101
JMT3001400	£207.39	14mm Jobber Length 2 Flute Carbide Drill	14.0	160	108
JMT3001500	£230.34	15mm Jobber Length 2 Flute Carbide Drill	15.0	169	114
JMT3001600	£249.55	16mm Jobber Length 2 Flute Carbide Drill	16.0	178	120

## SOLID CARBIDE TOOLING

### Micro Carbide Drills 2 Flute TUSA Standard

Supplied by TUSA

Code MTB35



**Tolerance**

h6

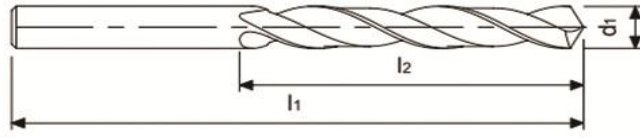
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JMT3500030	£6.39	0.3mm 2 Flute Micro Carbide Drill	0.30	28	4
JMT3500035	£7.29	0.35mm 2 Flute Micro Carbide Drill	0.35	30	5
JMT3500040	£7.29	0.4mm 2 Flute Micro Carbide Drill	0.40	30	5
JMT3500045	£7.29	0.45mm 2 Flute Micro Carbide Drill	0.45	30	5
JMT3500050	£7.29	0.5mm 2 Flute Micro Carbide Drill	0.50	30	5
JMT3500055	£7.29	0.55mm 2 Flute Micro Carbide Drill	0.55	30	5
JMT3500060	£7.29	0.6mm 2 Flute Micro Carbide Drill	0.60	30	5
JMT3500065	£7.29	0.65mm 2 Flute Micro Carbide Drill	0.65	30	6
JMT3500070	£7.29	0.7mm 2 Flute Micro Carbide Drill	0.70	30	6
JMT3500075	£7.29	0.75mm 2 Flute Micro Carbide Drill	0.75	30	8
JMT3500080	£7.74	0.8mm 2 Flute Micro Carbide Drill	0.80	30	8
JMT3500085	£7.07	0.85mm 2 Flute Micro Carbide Drill	0.85	30	9
JMT3500090	£7.74	0.9mm 2 Flute Micro Carbide Drill	0.90	30	9
JMT3500095	£8.20	0.95mm 2 Flute Micro Carbide Drill	0.95	30	10
JMT3500100	£8.20	1mm 2 Flute Micro Carbide Drill	1.00	30	10
JMT3500105	£8.20	1.05mm 2 Flute Micro Carbide Drill	1.05	30	10
JMT3500110	£8.20	1.1mm 2 Flute Micro Carbide Drill	1.10	30	10
JMT3500115	£8.20	1.15mm 2 Flute Micro Carbide Drill	1.15	30	12
JMT3500120	£8.20	1.2mm 2 Flute Micro Carbide Drill	1.20	30	12
JMT3500125	£8.20	1.25mm 2 Flute Micro Carbide Drill	1.25	30	12
JMT3500130	£8.20	1.3mm 2 Flute Micro Carbide Drill	1.30	30	12
JMT3500135	£8.20	1.35mm 2 Flute Micro Carbide Drill	1.35	30	12
JMT3500140	£9.33	1.4mm 2 Flute Micro Carbide Drill	1.40	30	12
JMT3500145	£7.86	1.45mm 2 Flute Micro Carbide Drill	1.45	30	12
JMT3500150	£9.33	1.5mm 2 Flute Micro Carbide Drill	1.50	30	12
JMT3500155	£9.33	1.55mm 2 Flute Micro Carbide Drill	1.55	40	16
JMT3500160	£9.33	1.6mm 2 Flute Micro Carbide Drill	1.60	40	16
JMT3500165	£9.33	1.65mm 2 Flute Micro Carbide Drill	1.65	40	16
JMT3500170	£9.22	1.7mm 2 Flute Micro Carbide Drill	1.70	40	16
JMT3500175	£9.33	1.75mm 2 Flute Micro Carbide Drill	1.75	40	16
JMT3500180	£9.33	1.8mm 2 Flute Micro Carbide Drill	1.80	40	16
JMT3500185	£9.33	1.85mm 2 Flute Micro Carbide Drill	1.85	40	16
JMT3500190	£9.33	1.9mm 2 Flute Micro Carbide Drill	1.90	40	16
JMT3500195	£9.33	1.95mm 2 Flute Micro Carbide Drill	1.95	40	16
JMT3500200	£8.99	2mm 2 Flute Micro Carbide Drill	2.00	40	16
JMT3500205	£9.78	2.05mm 2 Flute Micro Carbide Drill	2.05	40	18
JMT3500210	£9.78	2.1mm 2 Flute Micro Carbide Drill	2.10	40	18
JMT3500215	£9.78	2.15mm 2 Flute Micro Carbide Drill	2.15	40	18
JMT3500220	£9.78	2.2mm 2 Flute Micro Carbide Drill	2.20	40	18
JMT3500225	£9.78	2.25mm 2 Flute Micro Carbide Drill	2.25	40	18
JMT3500230	£9.78	2.3mm 2 Flute Micro Carbide Drill	2.30	40	18
JMT3500235	£9.78	2.35mm 2 Flute Micro Carbide Drill	2.35	40	18
JMT3500240	£9.78	2.4mm 2 Flute Micro Carbide Drill	2.40	40	18
JMT3500245	£9.78	2.45mm 2 Flute Micro Carbide Drill	2.45	40	18
JMT3500250	£10.23	2.5mm 2 Flute Micro Carbide Drill	2.50	40	18
JMT3500255	£10.57	2.55mm 2 Flute Micro Carbide Drill	2.55	45	18
JMT3500260	£10.57	2.6mm 2 Flute Micro Carbide Drill	2.60	45	18
JMT3500265	£10.79	2.65mm 2 Flute Micro Carbide Drill	2.65	45	18

## SOLID CARBIDE TOOLING

### Micro Carbide Drills 2 Flute TUSA Standard

Supplied by TUSA

Code MTB35



Tolerance
h6

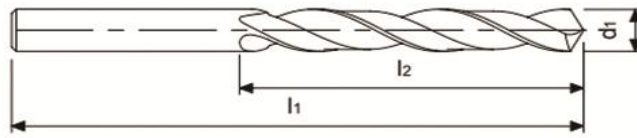
Part Number	Price	Description	d1	l1	l2
JMT3500270	£10.79	2.7mm 2 Flute Micro Carbide Drill	2.70	45	18
JMT3500275	£10.79	2.75mm 2 Flute Micro Carbide Drill	2.75	45	18
JMT3500280	£11.02	2.8mm 2 Flute Micro Carbide Drill	2.80	45	18
JMT3500285	£11.02	2.85mm 2 Flute Micro Carbide Drill	2.85	45	18
JMT3500290	£11.02	2.9mm 2 Flute Micro Carbide Drill	2.90	45	18
JMT3500295	£11.02	2.95mm 2 Flute Micro Carbide Drill	2.95	45	18
JMT3500300	£11.02	3mm 2 Flute Micro Carbide Drill	3.00	45	18

## SOLID CARBIDE TOOLING

### Medium Length Carbide Drills 2 Flute Japanese Standard

Supplied by TUSA

Code MTB45



**Tolerance**

h6

Part Number	Price	Description	d1	l1	l2
JMT4500030	£14.41	0.3mm 2 Flute Medium Length Carbide Drill	0.3	40	8
JMT4500040	£12.26	0.4mm 2 Flute Medium Length Carbide Drill	0.4	40	8
JMT4500050	£8.65	0.5mm 2 Flute Medium Length Carbide Drill	0.5	40	8
JMT4500060	£8.65	0.6mm 2 Flute Medium Length Carbide Drill	0.6	40	8
JMT4500070	£10.57	0.7mm 2 Flute Medium Length Carbide Drill	0.7	50	15
JMT4500080	£9.22	0.8mm 2 Flute Medium Length Carbide Drill	0.8	50	15
JMT4500090	£9.22	0.9mm 2 Flute Medium Length Carbide Drill	0.9	50	15
JMT4500100	£9.22	1mm 2 Flute Medium Length Carbide Drill	1.0	50	16
JMT4500110	£10.00	1.1mm 2 Flute Medium Length Carbide Drill	1.1	50	16
JMT4500120	£10.00	1.2mm 2 Flute Medium Length Carbide Drill	1.2	50	18
JMT4500130	£10.46	1.3mm 2 Flute Medium Length Carbide Drill	1.3	50	18
JMT4500140	£10.46	1.4mm 2 Flute Medium Length Carbide Drill	1.4	50	18
JMT4500150	£11.02	1.5mm 2 Flute Medium Length Carbide Drill	1.5	50	24
JMT4500160	£11.48	1.6mm 2 Flute Medium Length Carbide Drill	1.6	55	24
JMT4500170	£11.48	1.7mm 2 Flute Medium Length Carbide Drill	1.7	55	24
JMT4500180	£11.48	1.8mm 2 Flute Medium Length Carbide Drill	1.8	55	24
JMT4500190	£11.59	1.9mm 2 Flute Medium Length Carbide Drill	1.9	55	24
JMT4500200	£11.13	2mm 2 Flute Medium Length Carbide Drill	2.0	55	24
JMT4500210	£11.70	2.1mm 2 Flute Medium Length Carbide Drill	2.1	55	24
JMT4500220	£12.26	2.2mm 2 Flute Medium Length Carbide Drill	2.2	58	26
JMT4500230	£12.72	2.3mm 2 Flute Medium Length Carbide Drill	2.3	58	26
JMT4500240	£12.83	2.4mm 2 Flute Medium Length Carbide Drill	2.4	61	26
JMT4500250	£12.83	2.5mm 2 Flute Medium Length Carbide Drill	2.5	61	26
JMT4500260	£14.41	2.6mm 2 Flute Medium Length Carbide Drill	2.6	64	28
JMT4500270	£14.41	2.7mm 2 Flute Medium Length Carbide Drill	2.7	64	28
JMT4500280	£14.75	2.8mm 2 Flute Medium Length Carbide Drill	2.8	67	30
JMT4500290	£15.32	2.9mm 2 Flute Medium Length Carbide Drill	2.9	71	30
JMT4500300	£15.32	3mm 2 Flute Medium Length Carbide Drill	3.0	71	30
JMT4500310	£17.47	3.1mm 2 Flute Medium Length Carbide Drill	3.1	71	32
JMT4500320	£16.78	3.2mm 2 Flute Medium Length Carbide Drill	3.2	71	32
JMT4500330	£18.03	3.3mm 2 Flute Medium Length Carbide Drill	3.3	73	35
JMT4500340	£17.35	3.4mm 2 Flute Medium Length Carbide Drill	3.4	73	35
JMT4500350	£18.03	3.5mm 2 Flute Medium Length Carbide Drill	3.5	73	35
JMT4500360	£18.60	3.6mm 2 Flute Medium Length Carbide Drill	3.6	76	37
JMT4500370	£18.60	3.7mm 2 Flute Medium Length Carbide Drill	3.7	76	37
JMT4500380	£19.04	3.8mm 2 Flute Medium Length Carbide Drill	3.8	76	37
JMT4500390	£20.52	3.9mm 2 Flute Medium Length Carbide Drill	3.9	79	37
JMT4500400	£20.52	4mm 2 Flute Medium Length Carbide Drill	4.0	83	40
JMT4500410	£21.42	4.1mm 2 Flute Medium Length Carbide Drill	4.1	83	40
JMT4500420	£21.42	4.2mm 2 Flute Medium Length Carbide Drill	4.2	83	40
JMT4500430	£21.42	4.3mm 2 Flute Medium Length Carbide Drill	4.3	83	40
JMT4500440	£22.56	4.4mm 2 Flute Medium Length Carbide Drill	4.4	86	42
JMT4500450	£22.56	4.5mm 2 Flute Medium Length Carbide Drill	4.5	86	42
JMT4500460	£22.56	4.6mm 2 Flute Medium Length Carbide Drill	4.6	86	42
JMT4500470	£22.56	4.7mm 2 Flute Medium Length Carbide Drill	4.7	89	42
JMT4500480	£22.56	4.8mm 2 Flute Medium Length Carbide Drill	4.8	89	42
JMT4500490	£23.35	4.9mm 2 Flute Medium Length Carbide Drill	4.9	92	45
JMT4500500	£23.35	5mm 2 Flute Medium Length Carbide Drill	5.0	92	45

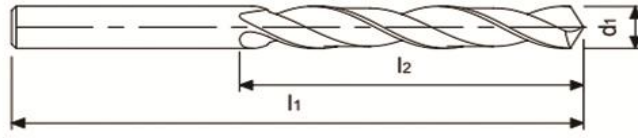


## SOLID CARBIDE TOOLING

### Medium Length Carbide Drills 2 Flute Japanese Standard

Supplied by TUSA

Code MTB45



**Tolerance**

h6

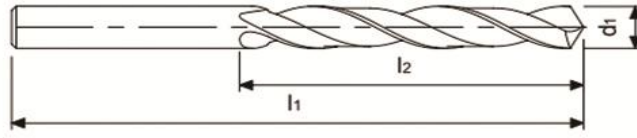
Part Number	Price	Description	d1	l1	l2
JMT4500510	£25.38	5.1mm 2 Flute Medium Length Carbide Drill	5.1	92	45
JMT4500520	£25.38	5.2mm 2 Flute Medium Length Carbide Drill	5.2	95	45
JMT4500530	£24.82	5.3mm 2 Flute Medium Length Carbide Drill	5.3	95	45
JMT4500540	£24.82	5.4mm 2 Flute Medium Length Carbide Drill	5.4	95	45
JMT4500550	£24.82	5.5mm 2 Flute Medium Length Carbide Drill	5.5	95	45
JMT4500560	£26.62	5.6mm 2 Flute Medium Length Carbide Drill	5.6	98	45
JMT4500570	£26.62	5.7mm 2 Flute Medium Length Carbide Drill	5.7	98	45
JMT4500580	£26.62	5.8mm 2 Flute Medium Length Carbide Drill	5.8	98	45
JMT4500590	£26.62	5.9mm 2 Flute Medium Length Carbide Drill	5.9	98	45
JMT4500600	£26.62	6mm 2 Flute Medium Length Carbide Drill	6.0	102	50
JMT4500610	£30.70	6.1mm 2 Flute Medium Length Carbide Drill	6.1	102	50
JMT4500620	£30.70	6.2mm 2 Flute Medium Length Carbide Drill	6.2	102	50
JMT4500630	£30.70	6.3mm 2 Flute Medium Length Carbide Drill	6.3	102	50
JMT4500640	£35.89	6.4mm 2 Flute Medium Length Carbide Drill	6.4	105	50
JMT4500650	£35.89	6.5mm 2 Flute Medium Length Carbide Drill	6.5	105	50
JMT4500660	£40.31	6.6mm 2 Flute Medium Length Carbide Drill	6.6	105	50
JMT4500670	£40.31	6.7mm 2 Flute Medium Length Carbide Drill	6.7	105	50
JMT4500680	£41.09	6.8mm 2 Flute Medium Length Carbide Drill	6.8	105	50
JMT4500690	£41.09	6.9mm 2 Flute Medium Length Carbide Drill	6.9	105	50
JMT4500700	£41.09	7mm 2 Flute Medium Length Carbide Drill	7.0	105	50
JMT4500710	£46.40	7.1mm 2 Flute Medium Length Carbide Drill	7.1	108	52
JMT4500720	£46.40	7.2mm 2 Flute Medium Length Carbide Drill	7.2	108	52
JMT4500730	£46.40	7.3mm 2 Flute Medium Length Carbide Drill	7.3	108	52
JMT4500740	£46.40	7.4mm 2 Flute Medium Length Carbide Drill	7.4	111	52
JMT4500750	£46.40	7.5mm 2 Flute Medium Length Carbide Drill	7.5	111	52
JMT4500760	£46.40	7.6mm 2 Flute Medium Length Carbide Drill	7.6	111	52
JMT4500770	£48.33	7.7mm 2 Flute Medium Length Carbide Drill	7.7	114	55
JMT4500780	£48.33	7.8mm 2 Flute Medium Length Carbide Drill	7.8	114	55
JMT4500790	£48.33	7.9mm 2 Flute Medium Length Carbide Drill	7.9	114	55
JMT4500800	£48.33	8mm 2 Flute Medium Length Carbide Drill	8.0	117	60
JMT4500850	£53.98	8.5mm 2 Flute Medium Length Carbide Drill	8.5	121	60
JMT4500900	£60.76	9mm 2 Flute Medium Length Carbide Drill	9.0	124	65
JMT4500950	£63.59	9.5mm 2 Flute Medium Length Carbide Drill	9.5	127	65
JMT4501000	£69.35	10mm 2 Flute Medium Length Carbide Drill	10.0	130	70
JMT4501050	£88.46	10.5mm 2 Flute Medium Length Carbide Drill	10.5	137	70
JMT4501100	£88.46	11mm 2 Flute Medium Length Carbide Drill	11.0	140	70
JMT4501150	£98.18	11.5mm 2 Flute Medium Length Carbide Drill	11.5	143	70
JMT4501200	£99.99	12mm 2 Flute Medium Length Carbide Drill	12.0	149	70
JMT4501250	£105.75	12.5mm 2 Flute Medium Length Carbide Drill	12.5	149	70
JMT4501300	£117.29	13mm 2 Flute Medium Length Carbide Drill	13.0	149	70

## SOLID CARBIDE TOOLING

### Long Length Carbide Drills 2 Flute Japanese Standard

Supplied by TUSA

Code MTB50



**Tolerance**

h6

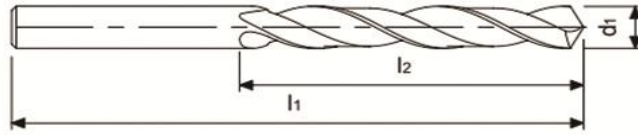
Part Number	Price	Description	d1	l1	l2
JMT5000100	£11.92	1mm 2 Flute Long Series Carbide Drill	1.0	75	25
JMT5000110	£12.83	1.1mm 2 Flute Long Series Carbide Drill	1.1	75	25
JMT5000120	£12.38	1.2mm 2 Flute Long Series Carbide Drill	1.2	75	25
JMT5000130	£12.38	1.3mm 2 Flute Long Series Carbide Drill	1.3	75	25
JMT5000140	£13.39	1.4mm 2 Flute Long Series Carbide Drill	1.4	75	30
JMT5000150	£13.39	1.5mm 2 Flute Long Series Carbide Drill	1.5	75	30
JMT5000160	£13.39	1.6mm 2 Flute Long Series Carbide Drill	1.6	75	30
JMT5000170	£13.39	1.7mm 2 Flute Long Series Carbide Drill	1.7	75	30
JMT5000180	£13.85	1.8mm 2 Flute Long Series Carbide Drill	1.8	75	30
JMT5000190	£13.85	1.9mm 2 Flute Long Series Carbide Drill	1.9	75	30
JMT5000200	£13.85	2mm 2 Flute Long Series Carbide Drill	2.0	75	30
JMT5000210	£14.75	2.1mm 2 Flute Long Series Carbide Drill	2.1	75	30
JMT5000220	£14.75	2.2mm 2 Flute Long Series Carbide Drill	2.2	75	30
JMT5000230	£14.75	2.3mm 2 Flute Long Series Carbide Drill	2.3	75	30
JMT5000240	£16.22	2.4mm 2 Flute Long Series Carbide Drill	2.4	100	35
JMT5000250	£16.22	2.5mm 2 Flute Long Series Carbide Drill	2.5	100	35
JMT5000260	£17.24	2.6mm 2 Flute Long Series Carbide Drill	2.6	100	35
JMT5000270	£17.24	2.7mm 2 Flute Long Series Carbide Drill	2.7	100	35
JMT5000280	£17.24	2.8mm 2 Flute Long Series Carbide Drill	2.8	100	35
JMT5000290	£17.24	2.9mm 2 Flute Long Series Carbide Drill	2.9	100	35
JMT5000300	£20.52	3mm 2 Flute Long Series Carbide Drill	3.0	100	50
JMT5000310	£22.56	3.1mm 2 Flute Long Series Carbide Drill	3.1	100	50
JMT5000320	£22.56	3.2mm 2 Flute Long Series Carbide Drill	3.2	100	50
JMT5000330	£22.56	3.3mm 2 Flute Long Series Carbide Drill	3.3	100	50
JMT5000340	£22.56	3.4mm 2 Flute Long Series Carbide Drill	3.4	100	50
JMT5000350	£22.56	3.5mm 2 Flute Long Series Carbide Drill	3.5	100	50
JMT5000360	£22.56	3.6mm 2 Flute Long Series Carbide Drill	3.6	100	50
JMT5000370	£23.35	3.7mm 2 Flute Long Series Carbide Drill	3.7	100	50
JMT5000380	£23.35	3.8mm 2 Flute Long Series Carbide Drill	3.8	100	50
JMT5000390	£23.35	3.9mm 2 Flute Long Series Carbide Drill	3.9	100	50
JMT5000400	£23.35	4mm 2 Flute Long Series Carbide Drill	4.0	100	50
JMT5000410	£23.35	4.1mm 2 Flute Long Series Carbide Drill	4.1	100	50
JMT5000420	£23.35	4.2mm 2 Flute Long Series Carbide Drill	4.2	100	50
JMT5000430	£23.35	4.3mm 2 Flute Long Series Carbide Drill	4.3	100	50
JMT5000440	£23.35	4.4mm 2 Flute Long Series Carbide Drill	4.4	100	50
JMT5000450	£23.35	4.5mm 2 Flute Long Series Carbide Drill	4.5	100	50
JMT5000460	£25.38	4.6mm 2 Flute Long Series Carbide Drill	4.6	100	50
JMT5000470	£25.38	4.7mm 2 Flute Long Series Carbide Drill	4.7	100	50
JMT5000480	£25.38	4.8mm 2 Flute Long Series Carbide Drill	4.8	100	50
JMT5000490	£25.38	4.9mm 2 Flute Long Series Carbide Drill	4.9	100	50
JMT5000500	£33.40	5mm 2 Flute Long Series Carbide Drill	5.0	150	75
JMT5000510	£38.72	5.1mm 2 Flute Long Series Carbide Drill	5.1	150	75
JMT5000520	£38.72	5.2mm 2 Flute Long Series Carbide Drill	5.2	150	75
JMT5000530	£38.72	5.3mm 2 Flute Long Series Carbide Drill	5.3	150	75
JMT5000540	£38.72	5.4mm 2 Flute Long Series Carbide Drill	5.4	150	75
JMT5000550	£38.72	5.5mm 2 Flute Long Series Carbide Drill	5.5	150	75
JMT5000560	£40.64	5.6mm 2 Flute Long Series Carbide Drill	5.6	150	75
JMT5000570	£40.64	5.7mm 2 Flute Long Series Carbide Drill	5.7	150	75

## SOLID CARBIDE TOOLING

### Long Length Carbide Drills 2 Flute Japanese Standard

Supplied by TUSA

Code MTB50



**Tolerance**

h6

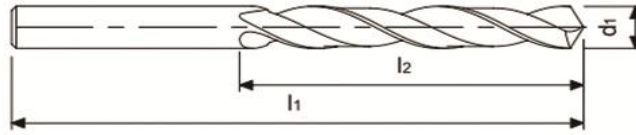
Part Number	Price	Description	d1	l1	l2
JMT5000580	£40.64	5.8mm 2 Flute Long Series Carbide Drill	5.8	150	75
JMT5000590	£40.64	5.9mm 2 Flute Long Series Carbide Drill	5.9	150	75
JMT5000600	£40.64	6mm 2 Flute Long Series Carbide Drill	6.0	150	75
JMT5000650	£44.48	6.5mm 2 Flute Long Series Carbide Drill	6.5	150	75
JMT5000700	£47.43	7mm 2 Flute Long Series Carbide Drill	7.0	150	75
JMT5000750	£48.33	7.5mm 2 Flute Long Series Carbide Drill	7.5	150	75
JMT5000800	£52.18	8mm 2 Flute Long Series Carbide Drill	8.0	150	75
JMT5000850	£57.83	8.5mm 2 Flute Long Series Carbide Drill	8.5	150	75
JMT5000900	£61.79	9mm 2 Flute Long Series Carbide Drill	9.0	150	75
JMT5000950	£63.59	9.5mm 2 Flute Long Series Carbide Drill	9.5	150	75
JMT5001000	£71.27	10mm 2 Flute Long Series Carbide Drill	10.0	150	75
JMT5001050	£88.46	10.5mm 2 Flute Long Series Carbide Drill	10.5	200	90
JMT5001100	£105.75	11mm 2 Flute Long Series Carbide Drill	11.0	200	90
JMT5001150	£109.60	11.5mm 2 Flute Long Series Carbide Drill	11.5	200	90
JMT5001200	£117.29	12mm 2 Flute Long Series Carbide Drill	12.0	200	90
JMT5001250	£123.05	12.5mm 2 Flute Long Series Carbide Drill	12.5	200	90
JMT5001300	£132.66	13mm 2 Flute Long Series Carbide Drill	13.0	200	90

## SOLID CARBIDE TOOLING

### Extra Long Length Carbide Drills 2 Flute Japanese Standard

Supplied by TUSA

Code MTB60



**Tolerance**

h6

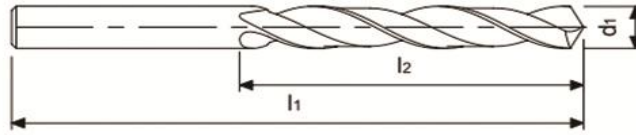
Part Number	Price	Description	d1	l1	l2
JMT6000100	£19.61	1mm 2 Flute Extra Long Carbide Drill	1.0	100	50
JMT6000110	£20.52	1.1mm 2 Flute Extra Long Carbide Drill	1.1	100	50
JMT6000120	£19.61	1.2mm 2 Flute Extra Long Carbide Drill	1.2	100	50
JMT6000130	£20.52	1.3mm 2 Flute Extra Long Carbide Drill	1.3	100	50
JMT6000140	£20.52	1.4mm 2 Flute Extra Long Carbide Drill	1.4	100	50
JMT6000150	£19.61	1.5mm 2 Flute Extra Long Carbide Drill	1.5	100	50
JMT6000160	£19.61	1.6mm 2 Flute Extra Long Carbide Drill	1.6	100	50
JMT6000170	£19.61	1.7mm 2 Flute Extra Long Carbide Drill	1.7	100	50
JMT6000180	£19.61	1.8mm 2 Flute Extra Long Carbide Drill	1.8	100	50
JMT6000190	£19.61	1.9mm 2 Flute Extra Long Carbide Drill	1.9	100	50
JMT6000200	£21.42	2mm 2 Flute Extra Long Carbide Drill	2.0	100	50
JMT6000210	£21.42	2.1mm 2 Flute Extra Long Carbide Drill	2.1	100	50
JMT6000220	£21.42	2.2mm 2 Flute Extra Long Carbide Drill	2.2	100	50
JMT6000230	£21.42	2.3mm 2 Flute Extra Long Carbide Drill	2.3	100	50
JMT6000240	£26.28	2.4mm 2 Flute Extra Long Carbide Drill	2.4	150	75
JMT6000250	£26.74	2.5mm 2 Flute Extra Long Carbide Drill	2.5	150	75
JMT6000260	£27.19	2.6mm 2 Flute Extra Long Carbide Drill	2.6	150	75
JMT6000270	£27.19	2.7mm 2 Flute Extra Long Carbide Drill	2.7	150	75
JMT6000280	£27.19	2.8mm 2 Flute Extra Long Carbide Drill	2.8	150	75
JMT6000290	£28.21	2.9mm 2 Flute Extra Long Carbide Drill	2.9	150	75
JMT6000300	£28.21	3mm 2 Flute Extra Long Carbide Drill	3.0	150	75
JMT6000310	£31.14	3.1mm 2 Flute Extra Long Carbide Drill	3.1	150	75
JMT6000320	£31.14	3.2mm 2 Flute Extra Long Carbide Drill	3.2	150	75
JMT6000330	£31.14	3.3mm 2 Flute Extra Long Carbide Drill	3.3	150	75
JMT6000340	£31.14	3.4mm 2 Flute Extra Long Carbide Drill	3.4	150	75
JMT6000350	£31.14	3.5mm 2 Flute Extra Long Carbide Drill	3.5	150	75
JMT6000360	£32.96	3.6mm 2 Flute Extra Long Carbide Drill	3.6	150	75
JMT6000370	£32.96	3.7mm 2 Flute Extra Long Carbide Drill	3.7	150	75
JMT6000380	£32.96	3.8mm 2 Flute Extra Long Carbide Drill	3.8	150	75
JMT6000390	£32.96	3.9mm 2 Flute Extra Long Carbide Drill	3.9	150	75
JMT6000400	£31.14	4mm 2 Flute Extra Long Carbide Drill	4.0	150	75
JMT6000410	£32.04	4.1mm 2 Flute Extra Long Carbide Drill	4.1	150	75
JMT6000420	£32.04	4.2mm 2 Flute Extra Long Carbide Drill	4.2	150	75
JMT6000430	£32.04	4.3mm 2 Flute Extra Long Carbide Drill	4.3	150	75
JMT6000440	£32.04	4.4mm 2 Flute Extra Long Carbide Drill	4.4	150	75
JMT6000450	£32.04	4.5mm 2 Flute Extra Long Carbide Drill	4.5	150	75
JMT6000460	£34.43	4.6mm 2 Flute Extra Long Carbide Drill	4.6	150	75
JMT6000470	£34.43	4.7mm 2 Flute Extra Long Carbide Drill	4.7	150	75
JMT6000480	£34.43	4.8mm 2 Flute Extra Long Carbide Drill	4.8	150	75
JMT6000490	£34.43	4.9mm 2 Flute Extra Long Carbide Drill	4.9	150	75
JMT6000500	£50.25	5mm 2 Flute Extra Long Carbide Drill	5.0	200	100
JMT6000510	£56.01	5.1mm 2 Flute Extra Long Carbide Drill	5.1	200	100
JMT6000520	£56.01	5.2mm 2 Flute Extra Long Carbide Drill	5.2	200	100
JMT6000530	£56.01	5.3mm 2 Flute Extra Long Carbide Drill	5.3	200	100
JMT6000540	£56.01	5.4mm 2 Flute Extra Long Carbide Drill	5.4	200	100
JMT6000550	£56.01	5.5mm 2 Flute Extra Long Carbide Drill	5.5	200	100
JMT6000560	£60.76	5.6mm 2 Flute Extra Long Carbide Drill	5.6	200	100
JMT6000570	£60.76	5.7mm 2 Flute Extra Long Carbide Drill	5.7	200	100

## SOLID CARBIDE TOOLING

Extra Long Length Carbide Drills 2 Flute Japanese Standard

Supplied by TUSA

Code MTB60



**Tolerance**

h6

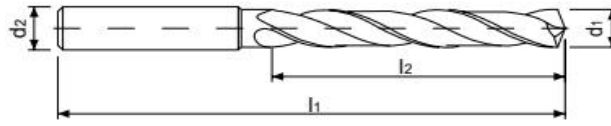
Part Number	Price	Description	d1	l1	l2
JMT6000580	£60.76	5.8mm 2 Flute Extra Long Carbide Drill	5.8	200	100
JMT6000590	£60.76	5.9mm 2 Flute Extra Long Carbide Drill	5.9	200	100
JMT6000600	£60.76	6mm 2 Flute Extra Long Carbide Drill	6.0	200	100
JMT6000650	£71.27	6.5mm 2 Flute Extra Long Carbide Drill	6.5	200	105
JMT6000700	£75.12	7mm 2 Flute Extra Long Carbide Drill	7.0	200	105
JMT6000750	£87.56	7.5mm 2 Flute Extra Long Carbide Drill	7.5	200	105
JMT6000800	£90.49	8mm 2 Flute Extra Long Carbide Drill	8.0	200	105
JMT6000850	£95.35	8.5mm 2 Flute Extra Long Carbide Drill	8.5	250	130
JMT6000900	£98.18	9mm 2 Flute Extra Long Carbide Drill	9.0	250	130
JMT6000950	£124.86	9.5mm 2 Flute Extra Long Carbide Drill	9.5	250	145
JMT6001000	£138.43	10mm 2 Flute Extra Long Carbide Drill	10.0	250	145

## SOLID CARBIDE TOOLING

### Micro Carbide Drills 2 Flute with reinforced shank TUSA Standard

Supplied by TUSA

Code TA 35



**Tolerance**

h6

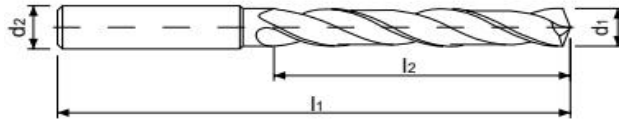
Part Number	Price	Description	d1	d2	l1	l2
JTA3500020	£13.05	0.2mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.20	1.0	30	3
JTA3500025	£12.15	0.25mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.25	1.0	30	3
JTA3500030	£11.59	0.3mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.30	1.0	30	3
JTA3500035	£14.08	0.35mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.35	1.0	30	4
JTA3500040	£10.12	0.4mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.40	1.0	30	4
JTA3500045	£10.12	0.45mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.45	1.0	30	6
JTA3500050	£10.12	0.5mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.50	1.0	30	6
JTA3500055	£10.12	0.55mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.55	1.0	30	6
JTA3500060	£10.57	0.6mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.60	1.0	30	6
JTA3500065	£10.57	0.65mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.65	1.0	30	7
JTA3500070	£9.66	0.7mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.70	1.0	30	7
JTA3500075	£9.66	0.75mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.75	1.5	30	8
JTA3500080	£10.57	0.8mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.80	1.5	30	8
JTA3500085	£10.57	0.85mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.85	1.5	30	8
JTA3500090	£9.66	0.9mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.90	1.5	30	8
JTA3500095	£9.66	0.95mm 2 Flute Micro Carbide Drill with Reinforced Shank	0.95	1.5	30	10
JTA3500100	£9.66	1mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.00	1.5	30	10
JTA3500105	£10.23	1.05mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.05	1.5	30	10
JTA3500110	£10.23	1.1mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.10	1.5	30	10
JTA3500115	£10.23	1.15mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.15	1.5	30	12
JTA3500120	£10.23	1.2mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.20	1.5	30	12
JTA3500125	£9.89	1.25mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.25	1.5	30	12
JTA3500130	£9.89	1.3mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.30	1.5	30	12
JTA3500135	£9.89	1.35mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.35	1.5	30	12
JTA3500140	£9.89	1.4mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.40	1.5	30	12
JTA3500145	£9.89	1.45mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.45	1.5	30	12
JTA3500150	£9.89	1.5mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.50	2.0	30	12
JTA3500155	£9.89	1.55mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.55	2.0	30	12
JTA3500160	£9.89	1.6mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.60	2.0	30	12
JTA3500165	£9.89	1.65mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.65	2.0	30	12
JTA3500170	£9.89	1.7mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.70	2.0	30	12
JTA3500175	£9.89	1.75mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.75	2.0	30	12
JTA3500180	£9.89	1.8mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.80	2.0	30	12
JTA3500185	£9.89	1.85mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.85	2.0	30	12
JTA3500190	£9.33	1.9mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.90	2.0	30	12
JTA3500195	£9.33	1.95mm 2 Flute Micro Carbide Drill with Reinforced Shank	1.95	2.0	30	12
JTA3500200	£9.33	2mm 2 Flute Micro Carbide Drill with Reinforced Shank	2.00	2.5	30	12

## SOLID CARBIDE TOOLING

### High Performance Carbide Drills 3xD 2 Flute DIN 6537-K

Supplied by TUSA

Code TTD203



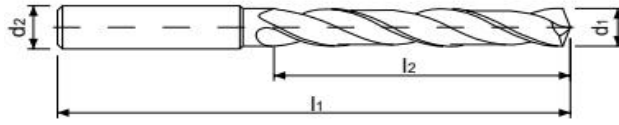
Tolerance	
d1	d2
h5	h6

Part Number	Price	Description	d1	d2	l1	l2
JTD2030110	£47.09	1.1mm 2 Flute High-Performance Carbide Drill 3xD	1.10	3.0	38	4.7
JTD2030115	£48.10	1.15mm 2 Flute High-Performance Carbide Drill 3xD	1.15	3.0	38	4.9
JTD2030120	£48.10	1.2mm 2 Flute High-Performance Carbide Drill 3xD	1.20	3.0	38	5.1
JTD2030125	£48.10	1.25mm 2 Flute High-Performance Carbide Drill 3xD	1.25	3.0	38	5.3
JTD2030130	£48.10	1.3mm 2 Flute High-Performance Carbide Drill 3xD	1.30	3.0	38	5.5
JTD2030135	£48.10	1.35mm 2 Flute High-Performance Carbide Drill 3xD	1.35	3.0	38	5.7
JTD2030140	£48.10	1.4mm 2 Flute High-Performance Carbide Drill 3xD	1.40	3.0	38	6.0
JTD2030145	£48.10	1.45mm 2 Flute High-Performance Carbide Drill 3xD	1.45	3.0	45	6.2
JTD2030150	£48.10	1.5mm 2 Flute High-Performance Carbide Drill 3xD	1.50	3.0	45	6.4
JTD2030155	£48.56	1.55mm 2 Flute High-Performance Carbide Drill 3xD	1.55	3.0	45	6.6
JTD2030160	£48.56	1.6mm 2 Flute High-Performance Carbide Drill 3xD	1.60	3.0	45	6.8
JTD2030165	£48.56	1.65mm 2 Flute High-Performance Carbide Drill 3xD	1.65	3.0	45	7.0
JTD2030170	£48.56	1.7mm 2 Flute High-Performance Carbide Drill 3xD	1.70	3.0	45	7.2
JTD2030175	£48.56	1.75mm 2 Flute High-Performance Carbide Drill 3xD	1.75	3.0	45	7.4
JTD2030180	£48.56	1.8mm 2 Flute High-Performance Carbide Drill 3xD	1.80	3.0	45	7.7
JTD2030185	£48.56	1.85mm 2 Flute High-Performance Carbide Drill 3xD	1.85	3.0	45	7.9
JTD2030190	£48.56	1.9mm 2 Flute High-Performance Carbide Drill 3xD	1.90	3.0	45	8.1
JTD2030195	£50.48	1.95mm 2 Flute High-Performance Carbide Drill 3xD	1.95	3.0	45	8.3
JTD2030200	£50.48	2mm 2 Flute High-Performance Carbide Drill 3xD	2.00	3.0	45	8.5
JTD2030205	£50.48	2.05mm 2 Flute High-Performance Carbide Drill 3xD	2.05	3.0	45	8.7
JTD2030210	£50.48	2.1mm 2 Flute High-Performance Carbide Drill 3xD	2.10	3.0	45	8.9
JTD2030215	£50.48	2.15mm 2 Flute High-Performance Carbide Drill 3xD	2.15	3.0	45	9.1
JTD2030220	£50.48	2.2mm 2 Flute High-Performance Carbide Drill 3xD	2.20	3.0	45	9.4
JTD2030225	£50.48	2.25mm 2 Flute High-Performance Carbide Drill 3xD	2.25	3.0	45	9.6
JTD2030230	£50.48	2.3mm 2 Flute High-Performance Carbide Drill 3xD	2.30	3.0	45	9.8
JTD2030235	£53.52	2.35mm 2 Flute High-Performance Carbide Drill 3xD	2.35	3.0	45	10.0
JTD2030240	£53.52	2.4mm 2 Flute High-Performance Carbide Drill 3xD	2.40	3.0	45	10.2
JTD2030245	£53.52	2.45mm 2 Flute High-Performance Carbide Drill 3xD	2.45	3.0	45	10.4
JTD2030250	£53.52	2.5mm 2 Flute High-Performance Carbide Drill 3xD	2.50	3.0	45	10.6
JTD2030255	£53.52	2.55mm 2 Flute High-Performance Carbide Drill 3xD	2.55	3.0	45	10.8
JTD2030260	£53.52	2.6mm 2 Flute High-Performance Carbide Drill 3xD	2.60	3.0	45	11.1
JTD2030265	£53.52	2.65mm 2 Flute High-Performance Carbide Drill 3xD	2.65	3.0	45	11.3
JTD2030270	£53.52	2.7mm 2 Flute High-Performance Carbide Drill 3xD	2.70	3.0	45	11.5
JTD2030275	£56.58	2.75mm 2 Flute High-Performance Carbide Drill 3xD	2.75	3.0	45	11.7
JTD2030280	£56.58	2.8mm 2 Flute High-Performance Carbide Drill 3xD	2.80	3.0	45	11.9
JTD2030285	£56.58	2.85mm 2 Flute High-Performance Carbide Drill 3xD	2.85	3.0	45	12.1
JTD2030290	£56.58	2.9mm 2 Flute High-Performance Carbide Drill 3xD	2.90	3.0	45	12.3
JTD2030295	£56.58	2.95mm 2 Flute High-Performance Carbide Drill 3xD	2.95	3.0	45	12.5
JTD2030300	£56.58	3mm 2 Flute High-Performance Carbide Drill 3xD	3.00	3.0	45	12.8

## SOLID CARBIDE TOOLING

High Performance Carbide Drills 4xD 2 Flute with Through Coolant and TiAlN Coating  
Supplied by TUSA

Code TTD204



Tolerance	
d1	d2
h5	h6

Part Number	Price	Description	d1	d2	l1	l2
JTD2040100	£77.16	1mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	1.0	3.0	38	4.0
JTD2040110	£77.16	1.1mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	1.1	3.0	38	4.4
JTD2040120	£71.05	1.2mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	1.2	3.0	38	4.8
JTD2040130	£71.05	1.3mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	1.3	3.0	38	5.2
JTD2040140	£67.88	1.4mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	1.4	3.0	38	5.6
JTD2040150	£67.88	1.5mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	1.5	3.0	45	6.0
JTD2040160	£67.88	1.6mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	1.6	3.0	45	6.4
JTD2040170	£68.57	1.7mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	1.7	3.0	45	6.8
JTD2040180	£68.68	1.8mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	1.8	3.0	45	7.2
JTD2040190	£68.68	1.9mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	1.9	3.0	45	7.6
JTD2040200	£68.68	2mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	2.0	3.0	45	8.0
JTD2040210	£70.60	2.1mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	2.1	3.0	45	8.4
JTD2040220	£70.60	2.2mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	2.2	3.0	45	8.8
JTD2040230	£71.50	2.3mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	2.3	3.0	45	9.2
JTD2040240	£72.18	2.4mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	2.4	3.0	45	9.6
JTD2040250	£72.18	2.5mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	2.5	3.0	45	10.0
JTD2040260	£73.76	2.6mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	2.6	3.0	45	10.4
JTD2040270	£78.18	2.7mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	2.7	3.0	45	10.8
JTD2040280	£78.18	2.8mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	2.8	3.0	45	11.2
JTD2040290	£78.85	2.9mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	2.9	3.0	45	11.6
JTD2040300	£78.85	3mm 2 Flute High-Performance Carbide TiAlN Drill with Through Coolant 4xD	3.0	3.0	45	12.0



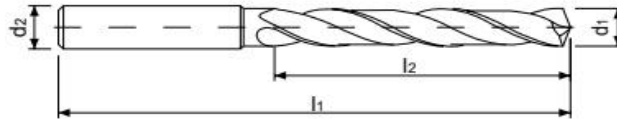
## SOLID CARBIDE TOOLING

### High Performance Carbide Drills 7xD 2 Flute TUSA Standard

Supplied by TUSA

Code TTD207

Tolerance	
d1	d2
h5	h6



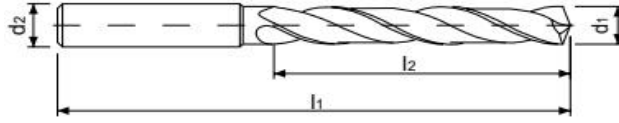
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JTD2070080	£53.64	0.8mm 2 Flute High-Performance Carbide Drill 7xD	0.80	3.0	38	3.4
JTD2070085	£53.64	0.85mm 2 Flute High-Performance Carbide Drill 7xD	0.85	3.0	38	3.6
JTD2070090	£53.64	0.9mm 2 Flute High-Performance Carbide Drill 7xD	0.90	3.0	38	3.8
JTD2070095	£53.64	0.95mm 2 Flute High-Performance Carbide Drill 7xD	0.95	3.0	38	4.0
JTD2070100	£51.05	1mm 2 Flute High-Performance Carbide Drill 7xD	1.00	3.0	38	4.3
JTD2070105	£52.96	1.05mm 2 Flute High-Performance Carbide Drill 7xD	1.05	3.0	38	4.5
JTD2070110	£52.96	1.1mm 2 Flute High-Performance Carbide Drill 7xD	1.10	3.0	38	4.7
JTD2070115	£52.96	1.15mm 2 Flute High-Performance Carbide Drill 7xD	1.15	3.0	38	4.9
JTD2070120	£52.96	1.2mm 2 Flute High-Performance Carbide Drill 7xD	1.20	3.0	38	5.1
JTD2070125	£52.96	1.25mm 2 Flute High-Performance Carbide Drill 7xD	1.25	3.0	38	5.3
JTD2070130	£51.83	1.3mm 2 Flute High-Performance Carbide Drill 7xD	1.30	3.0	38	5.5
JTD2070135	£51.83	1.35mm 2 Flute High-Performance Carbide Drill 7xD	1.35	3.0	38	5.7
JTD2070140	£51.83	1.4mm 2 Flute High-Performance Carbide Drill 7xD	1.40	3.0	38	6.0
JTD2070145	£51.83	1.45mm 2 Flute High-Performance Carbide Drill 7xD	1.45	3.0	45	6.2
JTD2070150	£51.83	1.5mm 2 Flute High-Performance Carbide Drill 7xD	1.50	3.0	45	6.4
JTD2070155	£53.75	1.55mm 2 Flute High-Performance Carbide Drill 7xD	1.55	3.0	45	6.6
JTD2070160	£53.75	1.6mm 2 Flute High-Performance Carbide Drill 7xD	1.60	3.0	45	6.8
JTD2070165	£53.75	1.65mm 2 Flute High-Performance Carbide Drill 7xD	1.65	3.0	45	7.0
JTD2070170	£53.75	1.7mm 2 Flute High-Performance Carbide Drill 7xD	1.70	3.0	45	7.2
JTD2070175	£53.75	1.75mm 2 Flute High-Performance Carbide Drill 7xD	1.75	3.0	45	7.4
JTD2070180	£53.75	1.8mm 2 Flute High-Performance Carbide Drill 7xD	1.80	3.0	45	7.7
JTD2070185	£53.75	1.85mm 2 Flute High-Performance Carbide Drill 7xD	1.85	3.0	45	7.9
JTD2070190	£53.75	1.9mm 2 Flute High-Performance Carbide Drill 7xD	1.90	3.0	45	8.1
JTD2070195	£58.73	1.95mm 2 Flute High-Performance Carbide Drill 7xD	1.95	3.0	45	8.3
JTD2070200	£58.73	2mm 2 Flute High-Performance Carbide Drill 7xD	2.00	3.0	45	8.5
JTD2070205	£58.73	2.05mm 2 Flute High-Performance Carbide Drill 7xD	2.05	3.0	45	8.7
JTD2070210	£58.73	2.1mm 2 Flute High-Performance Carbide Drill 7xD	2.10	3.0	45	8.9
JTD2070215	£58.73	2.15mm 2 Flute High-Performance Carbide Drill 7xD	2.15	3.0	45	9.1
JTD2070220	£58.73	2.2mm 2 Flute High-Performance Carbide Drill 7xD	2.20	3.0	45	9.4
JTD2070225	£60.31	2.25mm 2 Flute High-Performance Carbide Drill 7xD	2.25	3.0	45	9.6
JTD2070230	£60.31	2.3mm 2 Flute High-Performance Carbide Drill 7xD	2.30	3.0	45	9.8
JTD2070235	£61.79	2.35mm 2 Flute High-Performance Carbide Drill 7xD	2.35	3.0	45	10.0
JTD2070240	£61.79	2.4mm 2 Flute High-Performance Carbide Drill 7xD	2.40	3.0	45	10.2
JTD2070245	£63.36	2.45mm 2 Flute High-Performance Carbide Drill 7xD	2.45	3.0	45	10.4
JTD2070250	£63.36	2.5mm 2 Flute High-Performance Carbide Drill 7xD	2.50	3.0	45	10.6
JTD2070255	£63.59	2.55mm 2 Flute High-Performance Carbide Drill 7xD	2.55	3.0	45	10.8
JTD2070260	£63.59	2.6mm 2 Flute High-Performance Carbide Drill 7xD	2.60	3.0	45	11.1
JTD2070265	£63.59	2.65mm 2 Flute High-Performance Carbide Drill 7xD	2.65	3.0	45	11.3
JTD2070270	£63.59	2.7mm 2 Flute High-Performance Carbide Drill 7xD	2.70	3.0	45	11.5
JTD2070275	£66.64	2.75mm 2 Flute High-Performance Carbide Drill 7xD	2.75	3.0	45	11.7
JTD2070280	£66.64	2.8mm 2 Flute High-Performance Carbide Drill 7xD	2.80	3.0	45	11.9
JTD2070285	£66.64	2.85mm 2 Flute High-Performance Carbide Drill 7xD	2.85	3.0	45	12.1
JTD2070290	£66.64	2.9mm 2 Flute High-Performance Carbide Drill 7xD	2.90	3.0	45	12.3
JTD2070295	£66.64	2.95mm 2 Flute High-Performance Carbide Drill 7xD	2.95	3.0	45	12.5
JTD2070300	£66.64	3mm 2 Flute High-Performance Carbide Drill 7xD	3.00	3.0	45	12.8

## SOLID CARBIDE TOOLING

### High Performance Carbide Drills 9xD 2 Flute TUSA Standard

Supplied by TUSA

Code TTD209



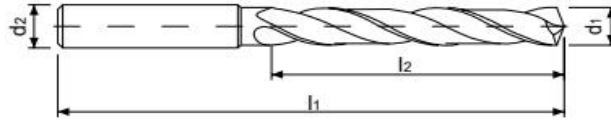
Tolerance	
d1	d2
h5	h6

Part Number	Price	Description	d1	d2	l1	l2
JTD2090100	£113.22	1mm 2 Flute High-Performance Carbide Drill 9xD	1.0	3.0	60	9.0
JTD2090110	£113.22	1.1mm 2 Flute High-Performance Carbide Drill 9xD	1.1	3.0	60	9.9
JTD2090120	£113.22	1.6mm 2 Flute High-Performance Carbide Drill 9xD	1.2	3.0	60	10.8
JTD2090130	£107.91	1.3mm 2 Flute High-Performance Carbide Drill 9xD	1.3	3.0	60	11.7
JTD2090140	£107.91	1.6mm 2 Flute High-Performance Carbide Drill 9xD	1.4	3.0	60	12.6
JTD2090150	£108.35	1.5mm 2 Flute High-Performance Carbide Drill 9xD	1.5	3.0	60	13.5
JTD2090160	£109.04	1.6mm 2 Flute High-Performance Carbide Drill 9xD	1.6	3.0	60	14.4
JTD2090170	£109.60	1.7mm 2 Flute High-Performance Carbide Drill 9xD	1.7	3.0	60	15.3
JTD2090180	£98.41	1.8mm 2 Flute High-Performance Carbide Drill 9xD	1.8	3.0	60	16.2
JTD2090190	£100.10	1.9mm 2 Flute High-Performance Carbide Drill 9xD	1.9	3.0	60	17.1
JTD2090200	£101.23	2mm 2 Flute High-Performance Carbide Drill 9xD	2.0	3.0	60	18.0
JTD2090210	£99.31	2.1mm 2 Flute High-Performance Carbide Drill 9xD	2.1	3.0	62	18.9
JTD2090220	£99.31	2.2mm 2 Flute High-Performance Carbide Drill 9xD	2.2	3.0	62	19.8
JTD2090230	£103.05	2.3mm 2 Flute High-Performance Carbide Drill 9xD	2.3	3.0	62	20.7
JTD2090240	£83.26	2.4mm 2 Flute High-Performance Carbide Drill 9xD	2.4	3.0	64	21.6
JTD2090250	£83.26	2.5mm 2 Flute High-Performance Carbide Drill 9xD	2.5	3.0	64	22.5
JTD2090260	£83.26	2.6mm 2 Flute High-Performance Carbide Drill 9xD	2.6	3.0	64	23.4
JTD2090270	£88.35	2.7mm 2 Flute High-Performance Carbide Drill 9xD	2.7	3.0	66	24.3
JTD2090280	£88.35	2.8mm 2 Flute High-Performance Carbide Drill 9xD	2.8	3.0	66	25.2
JTD2090290	£88.35	2.9mm 2 Flute High-Performance Carbide Drill 9xD	2.9	3.0	66	26.1
JTD2090300	£88.35	3mm 2 Flute High-Performance Carbide Drill 9xD	3.0	3.0	66	27.0

## SOLID CARBIDE TOOLING

High Performance Carbide Drills 15xD with Coolant Holes and TiAlN Coating  
Supplied by TUSA

Code TTD215



Tolerance	
d1	d2
h5	h6

Part Number	Price	Description	d1	d2	l1	l2
JTD2150100	£121.70	1mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	1.0	3.0	77	15.0
JTD2150110	£121.70	1.1mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	1.1	3.0	77	16.5
JTD2150120	£121.70	1.2mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	1.2	3.0	77	18.0
JTD2150130	£121.70	1.3mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	1.3	3.0	77	19.5
JTD2150140	£117.29	1.4mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	1.4	3.0	77	21.0
JTD2150150	£117.29	1.5mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	1.5	3.0	77	22.5
JTD2150160	£119.44	1.6mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	1.6	3.0	77	24.0
JTD2150170	£120.34	1.7mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	1.7	3.0	77	25.5
JTD2150180	£115.25	1.8mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	1.8	3.0	84	27.0
JTD2150190	£116.27	1.9mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	1.9	3.0	84	28.5
JTD2150200	£117.62	2mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	2.0	3.0	84	30.0
JTD2150210	£119.09	2.1mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	2.1	3.0	91	31.5
JTD2150220	£119.55	2.2mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	2.2	3.0	91	33.0
JTD2150230	£126.67	2.3mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	2.3	3.0	91	34.5
JTD2150240	£107.00	2.4mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	2.4	3.0	91	36.0
JTD2150250	£107.91	2.5mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	2.5	3.0	91	37.5
JTD2150260	£107.91	2.6mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	2.6	3.0	91	39.0
JTD2150270	£109.27	2.7mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	2.7	3.0	104	40.5
JTD2150280	£114.00	2.8mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	2.8	3.0	104	42.0
JTD2150290	£114.92	2.9mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	2.9	3.0	104	43.5
JTD2150300	£116.83	3mm High-Performance Carbide TiAlN Drill 15xD with Coolant Holes	3.0	3.0	104	45.0

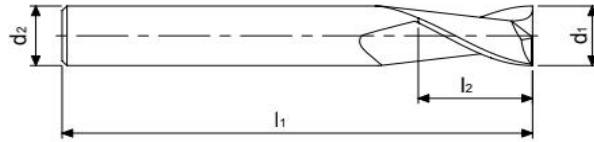
## SOLID CARBIDE TOOLING

### 2 Flute Carbide Slot Drills DIN 6528

Supplied by TUSA

Code MS122

Tolerance	
d1	d2
h11	h6



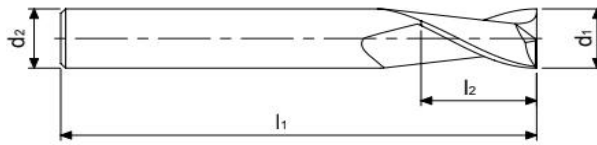
Part Number	Price	Description	d1	d2	l1	l2
KMS1220020	£11.13	2mm 2 Flute Carbide Slot Drill	2.0	2.0	42	6
KMS1220025	£12.49	2.5mm 2 Flute Carbide Slot Drill	2.5	2.5	42	7
KMS1220030	£13.62	3mm 2 Flute Carbide Slot Drill	3.0	3.0	45	7
KMS1220035	£15.88	3.5mm 2 Flute Carbide Slot Drill	3.5	3.5	40	12
KMS1220040	£15.77	4mm 2 Flute Carbide Slot Drill	4.0	4.0	50	8
KMS1220045	£18.94	4.5mm 2 Flute Carbide Slot Drill	4.5	4.5	50	14
KMS1220050	£18.94	5mm 2 Flute Carbide Slot Drill	5.0	5.0	50	10
KMS1220055	£21.99	5.5mm 2 Flute Carbide Slot Drill	5.5	5.5	50	16
KMS1220060	£21.76	6mm 2 Flute Carbide Slot Drill	6.0	6.0	57	10
KMS1220065	£29.11	6.5mm 2 Flute Carbide Slot Drill	6.5	6.5	60	13
KMS1220070	£33.52	7mm 2 Flute Carbide Slot Drill	7.0	7.0	63	16
KMS1220075	£41.21	7.5mm 2 Flute Carbide Slot Drill	7.5	7.5	67	16
KMS1220080	£45.61	8mm 2 Flute Carbide Slot Drill	8.0	8.0	72	19
KMS1220110	£68.90	11mm 2 Flute Carbide Slot Drill	11.0	11.0	70	22
KMS1220120	£75.69	12mm 2 Flute Carbide Slot Drill	12.0	12.0	83	22
KMS1220140	£98.07	14mm 2 Flute Carbide Slot Drill	14.0	14.0	83	22
KMS1220160	£128.48	16mm 2 Flute Carbide Slot Drill	16.0	16.0	92	26
KMS1220180	£167.82	18mm 2 Flute Carbide Slot Drill	18.0	18.0	92	26
KMS1220200	£202.87	20mm 2 Flute Carbide Slot Drill	20.0	20.0	101	32

## SOLID CARBIDE TOOLING

### 2 Flute Long Carbide Slot Drill

Supplied by TUSA

Code MS122 L



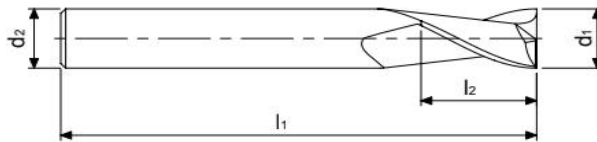
Tolerance	
d1	d2
h11	h6

Part Number	Price	Description	d1	d2	l1	l2
KMS122L030	£21.76	3mm 2 Flute Long Carbide Slot Drill	3.0	3.0	55	20
KMS122L040	£25.72	4mm 2 Flute Long Carbide Slot Drill	4.0	4.0	60	20
KMS122L050	£28.65	5mm 2 Flute Long Carbide Slot Drill	5.0	5.0	60	20
KMS122L060	£35.44	6mm 2 Flute Long Carbide Slot Drill	6.0	6.0	65	24
KMS122L080	£52.96	8mm 2 Flute Long Carbide Slot Drill	8.0	8.0	80	32
KMS122L100	£64.61	10mm 2 Flute Long Carbide Slot Drill	10.0	10.0	80	32
KMS122L120	£115.70	12mm 2 Flute Long Carbide Slot Drill	12.0	12.0	100	50
KMS122L140	£144.42	14mm 2 Flute Long Carbide Slot Drill	14.0	14.0	100	50
KMS122L160	£181.50	16mm 2 Flute Long Carbide Slot Drill	16.0	16.0	100	50
KMS122L180	£212.58	18mm 2 Flute Long Carbide Slot Drill	18.0	18.0	100	50
KMS122L200	£251.48	20mm 2 Flute Long Carbide Slot Drill	20.0	20.0	100	50

### 2 Flute Extra Long Carbide Slot Drill

Supplied by TUSA

Code MS122 XL



Tolerance	
d1	d2
h11	h6

Part Number	Price	Description	d1	d2	l1	l2
KMS122X030	£29.68	3mm 2 Flute Extra Long Carbide Slot Drill	3.0	3.0	70	30
KMS122X040	£38.38	4mm 2 Flute Extra Long Carbide Slot Drill	4.0	4.0	75	40
KMS122X050	£45.61	5mm 2 Flute Extra Long Carbide Slot Drill	5.0	5.0	80	40
KMS122X060	£53.19	6mm 2 Flute Extra Long Carbide Slot Drill	6.0	6.0	80	45
KMS122X080	£68.45	8mm 2 Flute Extra Long Carbide Slot Drill	8.0	8.0	100	50
KMS122X100	£85.07	10mm 2 Flute Extra Long Carbide Slot Drill	10.0	10.0	100	50
KMS122X120	£170.42	12mm 2 Flute Extra Long Carbide Slot Drill	12.0	12.0	150	70
KMS122X140	£217.44	14mm 2 Flute Extra Long Carbide Slot Drill	14.0	14.0	150	75
KMS122X160	£269.90	16mm 2 Flute Extra Long Carbide Slot Drill	16.0	16.0	150	75
KMS122X180	£334.80	18mm 2 Flute Extra Long Carbide Slot Drill	18.0	18.0	150	75
KMS122X200	£373.00	20mm 2 Flute Extra Long Carbide Slot Drill	20.0	20.0	150	75

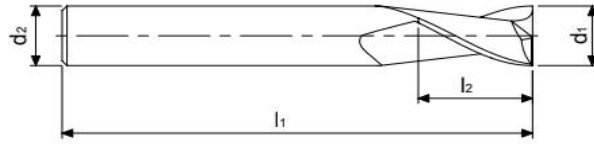
## SOLID CARBIDE TOOLING

### 2 Flute Ball Nose Carbide Slot Drills DIN 6528

Supplied by TUSA

Code MS123

Tolerance	
d1	d2
h11	h6



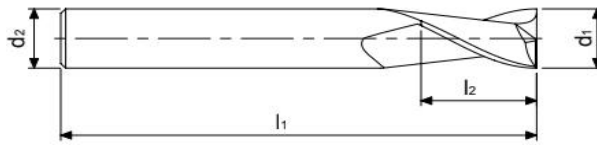
Part Number	Price	Description	d1	d2	l1	l2
KMS1230020	£17.91	2mm 2 Flute Ball Nose Carbide Slot Drill	2.0	2.0	42	6
KMS1230025	£18.94	2.5mm 2 Flute Ball Nose Carbide Slot Drill	2.5	2.5	42	7
KMS1230030	£19.84	3mm 2 Flute Ball Nose Carbide Slot Drill	3.0	3.0	45	7
KMS1230035	£26.34	3.5mm 2 Flute Ball Nose Carbide Slot Drill	3.5	3.5	40	12
KMS1230040	£21.76	4mm 2 Flute Ball Nose Carbide Slot Drill	4.0	4.0	50	8
KMS1230045	£25.72	4.5mm 2 Flute Ball Nose Carbide Slot Drill	4.5	4.5	50	14
KMS1230050	£28.65	5mm 2 Flute Ball Nose Carbide Slot Drill	5.0	5.0	50	10
KMS1230055	£36.87	5.5mm 2 Flute Ball Nose Carbide Slot Drill	5.5	5.5	50	16
KMS1230060	£35.44	6mm 2 Flute Ball Nose Carbide Slot Drill	6.0	6.0	57	10
KMS1230065	£41.21	6.5mm 2 Flute Ball Nose Carbide Slot Drill	6.5	6.5	60	13
KMS1230070	£50.36	7mm 2 Flute Ball Nose Carbide Slot Drill	7.0	7.0	63	16
KMS1230075	£51.49	7.5mm 2 Flute Ball Nose Carbide Slot Drill	7.5	7.5	67	16
KMS1230080	£81.45	8mm 2 Flute Ball Nose Carbide Slot Drill	8.0	8.0	72	19
KMS1230110	£81.45	11mm 2 Flute Ball Nose Carbide Slot Drill	11.0	11.0	70	22
KMS1230120	£118.75	12mm 2 Flute Ball Nose Carbide Slot Drill	12.0	12.0	83	22
KMS1230140	£155.16	14mm 2 Flute Ball Nose Carbide Slot Drill	14.0	14.0	83	22
KMS1230160	£169.85	16mm 2 Flute Ball Nose Carbide Slot Drill	16.0	16.0	92	26
KMS1230180	£228.48	18mm 2 Flute Ball Nose Carbide Slot Drill	18.0	18.0	92	26
KMS1230200	£224.23	20mm 2 Flute Ball Nose Carbide Slot Drill	20.0	20.0	101	32

## SOLID CARBIDE TOOLING

### 2 Flute Ball Nose Long Carbide Slot Drill

Supplied by TUSA

Code MS123 L



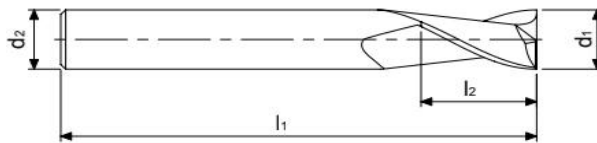
Tolerance	
d1	d2
h11	h6

Part Number	Price	Description	d1	d2	l1	l2
KMS123L030	£28.54	3mm 2 Flute Ball Nose Long Carbide Slot Drill	3.0	3.0	55	20
KMS123L040	£32.39	4mm 2 Flute Ball Nose Long Carbide Slot Drill	4.0	4.0	60	20
KMS123L050	£34.53	5mm 2 Flute Ball Nose Long Carbide Slot Drill	5.0	5.0	60	20
KMS123L060	£40.31	6mm 2 Flute Ball Nose Long Carbide Slot Drill	6.0	6.0	65	24
KMS123L080	£57.48	8mm 2 Flute Ball Nose Long Carbide Slot Drill	8.0	8.0	80	32
KMS123L100	£71.50	10mm 2 Flute Ball Nose Long Carbide Slot Drill	10.0	10.0	80	32
KMS123L120	£119.78	12mm 2 Flute Ball Nose Long Carbide Slot Drill	12.0	12.0	100	50
KMS123L140	£155.16	14mm 2 Flute Ball Nose Long Carbide Slot Drill	14.0	14.0	100	50
KMS123L160	£204.79	16mm 2 Flute Ball Nose Long Carbide Slot Drill	16.0	16.0	100	50
KMS123L200	£274.88	20mm 2 Flute Ball Nose Long Carbide Slot Drill	20.0	20.0	100	50

### 2 Flute Ball Nose Extra Long Carbide Slot Drill

Supplied by TUSA

Code MS123 XL



Tolerance	
d1	d2
h11	h6

Part Number	Price	Description	d1	d2	l1	l2
KMS123X030	£35.44	3mm 2 Flute Ball Nose Extra Long Carbide Slot Drill	3.0	3.0	70	30
KMS123X040	£42.34	4mm 2 Flute Ball Nose Extra Long Carbide Slot Drill	4.0	4.0	75	40
KMS123X050	£47.20	5mm 2 Flute Ball Nose Extra Long Carbide Slot Drill	5.0	5.0	80	40
KMS123X060	£54.88	6mm 2 Flute Ball Nose Extra Long Carbide Slot Drill	6.0	6.0	80	45
KMS123X080	£67.55	8mm 2 Flute Ball Nose Extra Long Carbide Slot Drill	8.0	8.0	100	50
KMS123X100	£86.09	10mm 2 Flute Ball Nose Extra Long Carbide Slot Drill	10.0	10.0	100	50
KMS123X120	£163.87	12mm 2 Flute Ball Nose Extra Long Carbide Slot Drill	12.0	12.0	150	70
KMS123X140	£206.70	14mm 2 Flute Ball Nose Extra Long Carbide Slot Drill	14.0	14.0	150	75
KMS123X160	£257.36	16mm 2 Flute Ball Nose Extra Long Carbide Slot Drill	16.0	16.0	150	75
KMS123X200	£360.45	20mm 2 Flute Ball Nose Extra Long Carbide Slot Drill	20.0	20.0	150	75

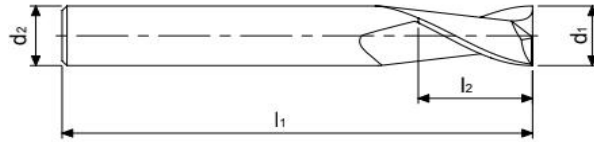
## SOLID CARBIDE TOOLING

### 2 Flute Carbide Slot Drills TUSA Standard

Supplied by TUSA

Code MS124 Suitable for Plastic

Tolerance	
d1	d2
h11	h6



Part Number	Price	Description	d1	d2	l1	l2
KMS1240020	£19.73	2mm 2 Flute Carbide Slot Drill (suitable for Plastic)	2.0	2.0	40	10
KMS1240030	£22.44	3mm 2 Flute Carbide Slot Drill (suitable for Plastic)	3.0	3.0	40	12
KMS1240040	£23.69	4mm 2 Flute Carbide Slot Drill (suitable for Plastic)	4.0	4.0	40	12
KMS1240050	£26.06	5mm 2 Flute Carbide Slot Drill (suitable for Plastic)	5.0	5.0	50	12
KMS1240060	£32.39	6mm 2 Flute Carbide Slot Drill (suitable for Plastic)	6.0	6.0	60	18
KMS1240070	£38.95	7mm 2 Flute Carbide Slot Drill (suitable for Plastic)	7.0	7.0	60	18
KMS1240080	£39.28	8mm 2 Flute Carbide Slot Drill (suitable for Plastic)	8.0	8.0	60	18
KMS1240090	£51.49	9mm 2 Flute Carbide Slot Drill (suitable for Plastic)	9.0	9.0	70	22
KMS1240100	£53.98	10mm 2 Flute Carbide Slot Drill (suitable for Plastic)	10.0	10.0	70	22
KMS1240120	£76.13	12mm 2 Flute Carbide Slot Drill (suitable for Plastic)	12.0	12.0	70	22
KMS1240140	£106.32	14mm 2 Flute Carbide Slot Drill (suitable for Plastic)	14.0	14.0	80	25
KMS1240160	£139.67	16mm 2 Flute Carbide Slot Drill (suitable for Plastic)	16.0	16.0	80	25
KMS1240180	£175.51	18mm 2 Flute Carbide Slot Drill (suitable for Plastic)	18.0	18.0	100	30
KMS1240200	£237.91	20mm 2 Flute Carbide Slot Drill (suitable for Plastic)	20.0	20.0	100	35



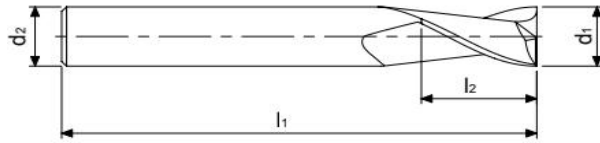
## SOLID CARBIDE TOOLING

### 3 Flute Carbide Slot Drills DIN 6528

Supplied by TUSA

Code MS131

Tolerance	
d1	d2
h11	h6



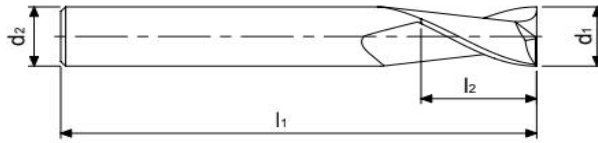
Part Number	Price	Description	d1	d2	l1	l2
KMS1310020	£11.13	2mm 3 Flute Carbide Slot Drill	2.0	2.0	42	6
KMS1310025	£12.04	2.5mm 3 Flute Carbide Slot Drill	2.5	2.5	42	7
KMS1310030	£13.05	3mm 3 Flute Carbide Slot Drill	3.0	3.0	45	7
KMS1310035	£13.96	3.5mm 3 Flute Carbide Slot Drill	3.5	3.5	50	7
KMS1310040	£15.09	4mm 3 Flute Carbide Slot Drill	4.0	4.0	50	8
KMS1310045	£16.45	4.5mm 3 Flute Carbide Slot Drill	4.5	4.5	50	8
KMS1310050	£17.91	5mm 3 Flute Carbide Slot Drill	5.0	5.0	50	10
KMS1310055	£20.52	5.5mm 3 Flute Carbide Slot Drill	5.5	5.5	57	10
KMS1310060	£21.42	6mm 3 Flute Carbide Slot Drill	6.0	6.0	57	10
KMS1310070	£27.19	7mm 3 Flute Carbide Slot Drill	7.0	7.0	60	13
KMS1310080	£31.94	8mm 3 Flute Carbide Slot Drill	8.0	8.0	63	16
KMS1310090	£39.28	9mm 3 Flute Carbide Slot Drill	9.0	9.0	67	16
KMS1310100	£41.65	10mm 3 Flute Carbide Slot Drill	10.0	10.0	72	19
KMS1310110	£60.31	11mm 3 Flute Carbide Slot Drill	11.0	11.0	83	22
KMS1310120	£63.70	12mm 3 Flute Carbide Slot Drill	12.0	12.0	83	22
KMS1310140	£84.17	14mm 3 Flute Carbide Slot Drill	14.0	14.0	83	22
KMS1310160	£113.33	16mm 3 Flute Carbide Slot Drill	16.0	16.0	92	26
KMS1310180	£142.49	18mm 3 Flute Carbide Slot Drill	18.0	18.0	92	26
KMS1310200	£163.87	20mm 3 Flute Carbide Slot Drill	20.0	20.0	92	32

## SOLID CARBIDE TOOLING

### 3 Flute Long Carbide Slot Drills

Supplied by TUSA

Code MS131 L



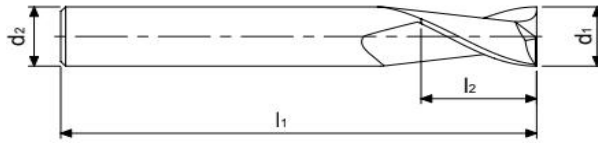
Tolerance	
d1	d2
h11	h6

Part Number	Price	Description	d1	d2	l1	l2
KMS131L040	£22.78	4mm 3 Flute Long Carbide Slot Drill	4.0	4.0	60	20
KMS131L050	£25.72	5mm 3 Flute Long Carbide Slot Drill	5.0	5.0	60	20
KMS131L060	£31.48	6mm 3 Flute Long Carbide Slot Drill	6.0	6.0	65	24
KMS131L080	£48.22	8mm 3 Flute Long Carbide Slot Drill	8.0	8.0	80	32
KMS131L100	£56.92	10mm 3 Flute Long Carbide Slot Drill	10.0	10.0	80	32
KMS131L120	£89.93	12mm 3 Flute Long Carbide Slot Drill	12.0	12.0	100	50
KMS131L140	£119.09	14mm 3 Flute Long Carbide Slot Drill	14.0	14.0	100	50
KMS131L160	£158.09	16mm 3 Flute Long Carbide Slot Drill	16.0	16.0	100	50
KMS131L180	£212.58	18mm 3 Flute Long Carbide Slot Drill	18.0	18.0	100	50
KMS131L200	£270.47	20mm 3 Flute Long Carbide Slot Drill	20.0	20.0	100	50

### 3 Flute Extra Long Carbide Slot Drills

Supplied by TUSA

Code MS131 XL



Tolerance	
d1	d2
h11	h6

Part Number	Price	Description	d1	d2	l1	l2
KMS131X030	£27.64	3mm 3 Flute Extra Long Carbide Slot Drill	3.0	3.0	70	30
KMS131X040	£32.96	4mm 3 Flute Extra Long Carbide Slot Drill	4.0	4.0	75	40
KMS131X050	£38.83	5mm 3 Flute Extra Long Carbide Slot Drill	5.0	5.0	80	40
KMS131X060	£44.26	6mm 3 Flute Extra Long Carbide Slot Drill	6.0	6.0	80	45
KMS131X080	£56.92	8mm 3 Flute Extra Long Carbide Slot Drill	8.0	8.0	100	50
KMS131X100	£70.48	10mm 3 Flute Extra Long Carbide Slot Drill	10.0	10.0	100	50
KMS131X120	£123.05	12mm 3 Flute Extra Long Carbide Slot Drill	12.0	12.0	150	70
KMS131X140	£163.87	14mm 3 Flute Extra Long Carbide Slot Drill	14.0	14.0	150	75
KMS131X160	£204.79	16mm 3 Flute Extra Long Carbide Slot Drill	16.0	16.0	150	75
KMS131X180	£249.55	18mm 3 Flute Extra Long Carbide Slot Drill	18.0	18.0	150	75
KMS131X200	£296.24	20mm 3 Flute Extra Long Carbide Slot Drill	20.0	20.0	150	75

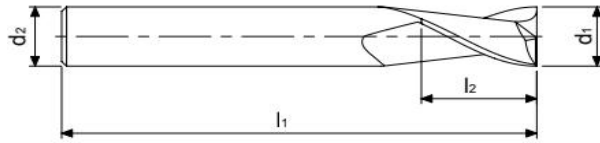
## SOLID CARBIDE TOOLING

### 4-Flute Carbide Slot Drills DIN 6528

Supplied by TUSA

Code MS141

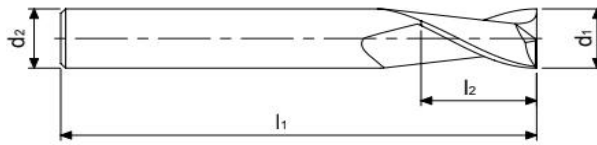
Tolerance	
d1	d2
h11	h6



Part Number	Price	Description	d1	d2	l1	l2
KMS1410020	£12.49	2mm 4-Flute Carbide Slot Drill	2.0	2.0	42	7
KMS1410025	£13.39	2.5mm 4-Flute Carbide Slot Drill	2.5	2.5	42	8
KMS1410030	£14.52	3mm 4-Flute Carbide Slot Drill	3.0	3.0	45	8
KMS1410035	£15.88	3.5mm 4-Flute Carbide Slot Drill	3.5	3.5	50	10
KMS1410040	£17.13	4mm 4-Flute Carbide Slot Drill	4.0	4.0	50	11
KMS1410045	£19.50	4.5mm 4-Flute Carbide Slot Drill	4.5	4.5	50	11
KMS1410050	£20.29	5mm 4-Flute Carbide Slot Drill	5.0	5.0	50	13
KMS1410055	£23.12	5.5mm 4-Flute Carbide Slot Drill	5.5	5.5	57	13
KMS1410060	£23.12	6mm 4-Flute Carbide Slot Drill	6.0	6.0	57	13
KMS1410065	£28.09	6.5mm 4-Flute Carbide Slot Drill	6.5	6.5	60	16
KMS1410070	£28.77	7mm 4-Flute Carbide Slot Drill	7.0	7.0	60	16
KMS1410075	£35.22	7.5mm 4-Flute Carbide Slot Drill	7.5	7.5	63	19
KMS1410080	£35.44	8mm 4-Flute Carbide Slot Drill	8.0	8.0	63	19
KMS1410085	£38.15	8.5mm 4-Flute Carbide Slot Drill	8.5	8.5	67	19
KMS1410090	£41.44	9mm 4-Flute Carbide Slot Drill	9.0	9.0	67	19
KMS1410095	£44.94	9.5mm 4-Flute Carbide Slot Drill	9.5	9.5	72	22
KMS1410100	£45.39	10mm 4-Flute Carbide Slot Drill	10.0	10.0	83	22
KMS1410110	£65.51	11mm 4-Flute Carbide Slot Drill	11.0	11.0	83	26
KMS1410120	£68.90	12mm 4-Flute Carbide Slot Drill	12.0	12.0	83	26
KMS1410130	£80.32	13mm 4-Flute Carbide Slot Drill	13.0	13.0	83	26
KMS1410140	£88.57	14mm 4-Flute Carbide Slot Drill	14.0	14.0	83	26
KMS1410150	£106.55	15mm 4-Flute Carbide Slot Drill	15.0	15.0	92	32
KMS1410160	£118.53	16mm 4-Flute Carbide Slot Drill	16.0	16.0	92	32
KMS1410180	£150.53	18mm 4-Flute Carbide Slot Drill	18.0	18.0	92	32
KMS1410200	£184.66	20mm 4-Flute Carbide Slot Drill	20.0	20.0	101	38

**SOLID CARBIDE TOOLING**  
**4-Flute Long Carbide Slot Drills**  
**Supplied by TUSA**

Code MS141 L

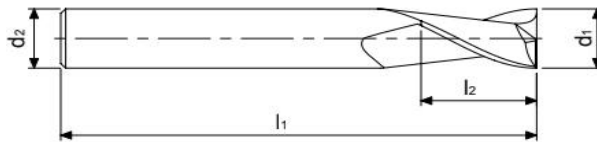


Tolerance	
d1	d2
h11	h6

Part Number	Price	Description	d1	d2	l1	l2
KMS131L030	£21.76	3mm 4-Flute Long Carbide Slot Drill	3.0	3.0	55	20
KMS131L040	£22.78	4mm 4-Flute Long Carbide Slot Drill	4.0	4.0	60	20
KMS131L050	£25.72	5mm 4-Flute Long Carbide Slot Drill	5.0	5.0	60	20
KMS131L060	£31.48	6mm 4-Flute Long Carbide Slot Drill	6.0	6.0	65	24
KMS131L080	£48.22	8mm 4-Flute Long Carbide Slot Drill	8.0	8.0	80	32
KMS131L100	£56.92	10mm 4-Flute Long Carbide Slot Drill	10.0	10.0	80	32
KMS131L120	£89.93	12mm 4-Flute Long Carbide Slot Drill	12.0	12.0	100	50
KMS131L140	£119.09	14mm 4-Flute Long Carbide Slot Drill	14.0	14.0	100	50
KMS131L160	£158.09	16mm 4-Flute Long Carbide Slot Drill	16.0	16.0	100	50
KMS131L180	£212.58	18mm 4-Flute Long Carbide Slot Drill	18.0	18.0	100	50
KMS131L200	£270.47	20mm 4-Flute Long Carbide Slot Drill	20.0	20.0	100	50

**4-Flute Extra Long Carbide Slot Drills**  
**Supplied by TUSA**

Code MS141 XL



Tolerance	
d1	d2
h11	h6

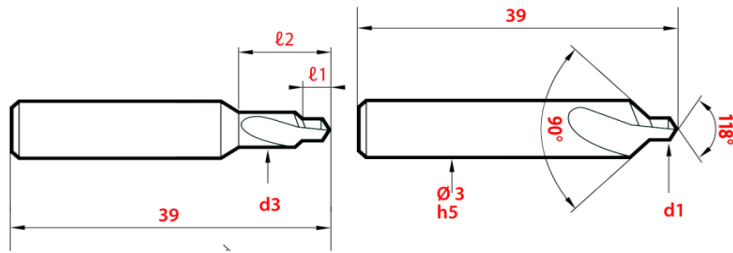
Part Number	Price	Description	d1	d2	l1	l2
KMS131X030	£27.64	3mm 4-Flute Extra Long Carbide Slot Drill	3.0	3.0	70	30
KMS131X040	£32.96	4mm 4-Flute Extra Long Carbide Slot Drill	4.0	4.0	75	40
KMS131X050	£38.83	5mm 4-Flute Extra Long Carbide Slot Drill	5.0	5.0	80	40
KMS131X060	£44.26	6mm 4-Flute Extra Long Carbide Slot Drill	6.0	6.0	80	45
KMS131X080	£56.92	8mm 4-Flute Extra Long Carbide Slot Drill	8.0	8.0	100	50
KMS131X100	£70.48	10mm 4-Flute Extra Long Carbide Slot Drill	10.0	10.0	100	50
KMS131X120	£123.05	12mm 4-Flute Extra Long Carbide Slot Drill	12.0	12.0	150	70
KMS131X140	£163.87	14mm 4-Flute Extra Long Carbide Slot Drill	14.0	14.0	150	75
KMS131X160	£204.79	16mm 4-Flute Extra Long Carbide Slot Drill	16.0	16.0	150	75
KMS131X180	£249.55	18mm 4-Flute Extra Long Carbide Slot Drill	18.0	18.0	150	75
KMS131X200	£296.24	20mm 4-Flute Extra Long Carbide Slot Drill	20.0	20.0	150	75

## SOLID CARBIDE TOOLING

### 1xD Carbide Micro Pre-Drills (3mm Shank)

Supplied by Magafor SA

Code 82X1



Tolerance	
Shank	3mm h5
d1	±0.02mm
α	-30°

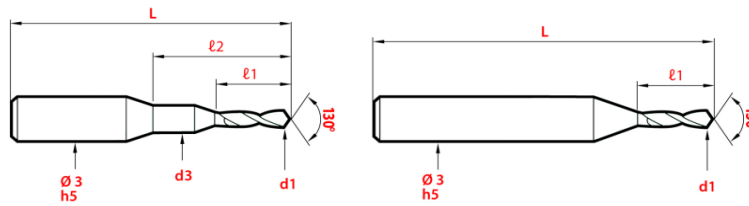
Part Number	Price	Description	d3	l1	l2
C82X10010	£32.84	0.1mm 1xD Carbide Micro Pre-Drill 3mm Shank	0.5	0.1	1.8
C82X10015	£32.39	0.15mm 1xD Carbide Micro Pre-Drill 3mm Shank	0.55	0.15	1.8
C82X10020	£31.83	0.2mm 1xD Carbide Micro Pre-Drill 3mm Shank	0.55	0.2	1.8
C82X10025	£31.37	0.25mm 1xD Carbide Micro Pre-Drill 3mm Shank	0.85	0.25	2.7
C82X10030	£30.35	0.3mm 1xD Carbide Micro Pre-Drill 3mm Shank	0.85	0.3	2.7
C82X10040	£29.45	0.4mm 1xD Carbide Micro Pre-Drill 3mm Shank	1.4	0.4	4.5
C82X10050	£29.45	0.5mm 1xD Carbide Micro Pre-Drill 3mm Shank	1.4	0.5	4.5
C82X10060	£29.45	0.6mm 1xD Carbide Micro Pre-Drill 3mm Shank	2.3	0.6	7.2
C82X10080	£29.45	0.8mm 1xD Carbide Micro Pre-Drill 3mm Shank	2.3	0.8	7.2
C82X10100	£29.45	1mm 1xD Carbide Micro Pre-Drill 3mm Shank	-	1	-

# SOLID CARBIDE TOOLING

## 3xD Carbide Micro Drills (3mm Shank)

Supplied by Magafor SA

Code 82X3



Tolerance	
Shank	3mm h5
D	-0.004mm
d3	±0.01
α	±2°

Part Number	Price	Description	d3	l1	l2
C82X30010	£15.65	0.10mm 3xD Carbide Micro Drill 3mm Shank	1	0.3	3
C82X30015	£15.21	0.15mm 3xD Carbide Micro Drill 3mm Shank	1	0.45	3
C82X30020	£14.75	0.20mm 3xD Carbide Micro Drill 3mm Shank	1	0.6	3
C82X30025	£13.74	0.25mm 3xD Carbide Micro Drill 3mm Shank	1	0.75	3
C82X30030	£12.83	0.30mm 3xD Carbide Micro Drill 3mm Shank	1	0.9	3
C82X30035	£12.49	0.35mm 3xD Carbide Micro Drill 3mm Shank	1	1.05	3
C82X30040	£12.04	0.40mm 3xD Carbide Micro Drill 3mm Shank	1	1.2	3
C82X30045	£12.04	0.45mm 3xD Carbide Micro Drill 3mm Shank	1	1.35	3
C82X30050	£12.04	0.50mm 3xD Carbide Micro Drill 3mm Shank	1.5	1.5	6
C82X30055	£12.04	0.55mm 3xD Carbide Micro Drill 3mm Shank	1.5	1.8	6
C82X30060	£12.04	0.60mm 3xD Carbide Micro Drill 3mm Shank	1.5	1.8	6
C82X30065	£12.04	0.65mm 3xD Carbide Micro Drill 3mm Shank	1.5	2.1	6
C82X30070	£12.04	0.70mm 3xD Carbide Micro Drill 3mm Shank	1.5	2.1	6
C82X30075	£12.04	0.75mm 3xD Carbide Micro Drill 3mm Shank	1.5	2.4	6
C82X30080	£12.04	0.80mm 3xD Carbide Micro Drill 3mm Shank	1.5	2.4	6
C82X30085	£12.04	0.85mm 3xD Carbide Micro Drill 3mm Shank	1.5	2.7	6
C82X30090	£12.04	0.90mm 3xD Carbide Micro Drill 3mm Shank	1.5	2.7	6
C82X30095	£12.04	0.95mm 3xD Carbide Micro Drill 3mm Shank	1.5	3	6
C82X30100	£12.04	1.00mm 3xD Carbide Micro Drill 3mm Shank	1.5	3	6
C82X30105	£12.83	1.05mm 3xD Carbide Micro Drill 3mm Shank	2	3.3	6
C82X30110	£12.83	1.10mm 3xD Carbide Micro Drill 3mm Shank	2	3.3	6
C82X30115	£12.83	1.15mm 3xD Carbide Micro Drill 3mm Shank	2	3.6	6
C82X30120	£12.83	1.20mm 3xD Carbide Micro Drill 3mm Shank	2	3.6	6
C82X30125	£12.83	1.25mm 3xD Carbide Micro Drill 3mm Shank	2	3.9	6
C82X30130	£12.83	1.30mm 3xD Carbide Micro Drill 3mm Shank	2	3.9	6
C82X30135	£12.83	1.35mm 3xD Carbide Micro Drill 3mm Shank	2	4.2	6
C82X30140	£12.83	1.40mm 3xD Carbide Micro Drill 3mm Shank	2	4.2	6
C82X30145	£12.83	1.45mm 3xD Carbide Micro Drill 3mm Shank	2	4.5	6
C82X30150	£12.83	1.50mm 3xD Carbide Micro Drill 3mm Shank	-	4.5	-
C82X30155	£12.83	1.55mm 3xD Carbide Micro Drill 3mm Shank	-	4.8	-
C82X30160	£12.83	1.60mm 3xD Carbide Micro Drill 3mm Shank	-	4.8	-
C82X30165	£12.83	1.65mm 3xD Carbide Micro Drill 3mm Shank	-	5.1	-
C82X30170	£12.83	1.70mm 3xD Carbide Micro Drill 3mm Shank	-	5.1	-
C82X30175	£12.83	1.75mm 3xD Carbide Micro Drill 3mm Shank	-	5.4	-
C82X30180	£12.83	1.80mm 3xD Carbide Micro Drill 3mm Shank	-	5.4	-
C82X30185	£12.83	1.85mm 3xD Carbide Micro Drill 3mm Shank	-	5.7	-
C82X30190	£12.83	1.90mm 3xD Carbide Micro Drill 3mm Shank	-	5.7	-
C82X30195	£12.83	1.95mm 3xD Carbide Micro Drill 3mm Shank	-	6	-
C82X30200	£12.83	2.00mm 3xD Carbide Micro Drill 3mm Shank	-	6	-
C82X30205	£13.28	2.05mm 3xD Carbide Micro Drill 3mm Shank	-	6.3	-
C82X30210	£13.28	2.10mm 3xD Carbide Micro Drill 3mm Shank	-	6.3	-
C82X30215	£13.28	2.15mm 3xD Carbide Micro Drill 3mm Shank	-	6.6	-
C82X30220	£13.28	2.20mm 3xD Carbide Micro Drill 3mm Shank	-	6.6	-
C82X30225	£13.28	2.25mm 3xD Carbide Micro Drill 3mm Shank	-	6.9	-
C82X30230	£13.28	2.30mm 3xD Carbide Micro Drill 3mm Shank	-	6.9	-
C82X30235	£13.28	2.35mm 3xD Carbide Micro Drill 3mm Shank	-	7.2	-

Rotagrip Ltd, 16-20 Lodge Road, Hockley, Birmingham, B18 5PN

Tel 0121 551 1566 / 0121 554 5177

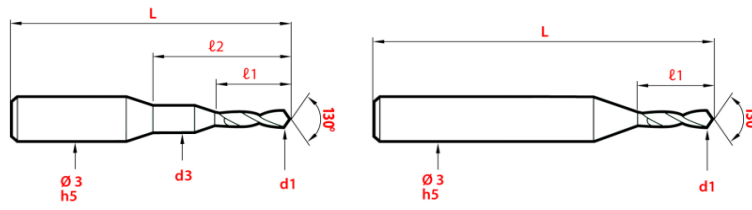
Email info@rotagriponline.com, Website www.rotagriponline.com

## SOLID CARBIDE TOOLING

### 3xD Carbide Micro Drills (3mm Shank)

Supplied by Magafor SA

Code 82X3



Tolerance	
Shank	3mm h5
D	-0.004mm
d3	±0.01
α	±2°

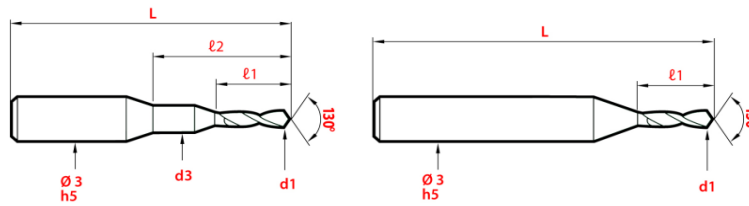
Part Number	Price	Description	d3	l1	l2
C82X30240	£13.28	2.40mm 3xD Carbide Micro Drill 3mm Shank	-	7.2	-
C82X30245	£13.28	2.45mm 3xD Carbide Micro Drill 3mm Shank	-	7.5	-
C82X30250	£13.28	2.50mm 3xD Carbide Micro Drill 3mm Shank	-	7.5	-
C82X30255	£13.28	2.55mm 3xD Carbide Micro Drill 3mm Shank	-	7.8	-
C82X30260	£13.28	2.60mm 3xD Carbide Micro Drill 3mm Shank	-	7.8	-
C82X30265	£13.28	2.65mm 3xD Carbide Micro Drill 3mm Shank	-	8.1	-
C82X30270	£13.28	2.70mm 3xD Carbide Micro Drill 3mm Shank	-	8.1	-
C82X30275	£13.28	2.75mm 3xD Carbide Micro Drill 3mm Shank	-	8.4	-
C82X30280	£13.28	2.80mm 3xD Carbide Micro Drill 3mm Shank	-	8.4	-
C82X30285	£13.28	2.85mm 3xD Carbide Micro Drill 3mm Shank	-	8.7	-
C82X30290	£13.28	2.90mm 3xD Carbide Micro Drill 3mm Shank	-	8.7	-
C82X30295	£13.28	2.95mm 3xD Carbide Micro Drill 3mm Shank	-	9	-
C82X30300	£13.28	3.00mm 3xD Carbide Micro Drill 3mm Shank	-	9	-

# SOLID CARBIDE TOOLING

## 5xD Carbide Micro Drills (3mm Shank)

Supplied by Magafor SA

Code 82X5



Tolerance	
Shank	3mm h5
D	-0.004mm
d3	±0.01
α	±2°

Part Number	Price	Description	d3	l1	l2
C82X50010	£15.55	0.10mm 5xD Carbide Micro Drill 3mm Shank	1	0.5	5
C82X50011	£15.55	0.11mm 5xD Carbide Micro Drill 3mm Shank	1	0.6	5
C82X50012	£15.55	0.12mm 5xD Carbide Micro Drill 3mm Shank	1	0.6	5
C82X50013	£15.34	0.13mm 5xD Carbide Micro Drill 3mm Shank	1	0.7	5
C82X50014	£15.34	0.14mm 5xD Carbide Micro Drill 3mm Shank	1	0.7	5
C82X50015	£15.13	0.15mm 5xD Carbide Micro Drill 3mm Shank	1	0.8	5
C82X50016	£15.13	0.16mm 5xD Carbide Micro Drill 3mm Shank	1	0.8	5
C82X50017	£14.92	0.17mm 5xD Carbide Micro Drill 3mm Shank	1	0.9	5
C82X50018	£14.92	0.18mm 5xD Carbide Micro Drill 3mm Shank	1	0.9	5
C82X50019	£14.40	0.19mm 5xD Carbide Micro Drill 3mm Shank	1	1	5
C82X50020	£14.40	0.20mm 5xD Carbide Micro Drill 3mm Shank	1	1	5
C82X50021	£13.57	0.21mm 5xD Carbide Micro Drill 3mm Shank	1	1.25	5
C82X50022	£13.57	0.22mm 5xD Carbide Micro Drill 3mm Shank	1	1.25	5
C82X50023	£13.57	0.23mm 5xD Carbide Micro Drill 3mm Shank	1	1.25	5
C82X50024	£13.57	0.24mm 5xD Carbide Micro Drill 3mm Shank	1	1.25	5
C82X50025	£13.57	0.25mm 5xD Carbide Micro Drill 3mm Shank	1	1.25	5
C82X50026	£12.64	0.26mm 5xD Carbide Micro Drill 3mm Shank	1	1.5	5
C82X50027	£12.64	0.27mm 5xD Carbide Micro Drill 3mm Shank	1	1.5	5
C82X50028	£12.64	0.28mm 5xD Carbide Micro Drill 3mm Shank	1	1.5	5
C82X50029	£12.64	0.29mm 5xD Carbide Micro Drill 3mm Shank	1	1.5	5
C82X50030	£12.64	0.30mm 5xD Carbide Micro Drill 3mm Shank	1	1.5	5
C82X50031	£12.43	0.31mm 5xD Carbide Micro Drill 3mm Shank	1	1.75	5
C82X50032	£12.43	0.32mm 5xD Carbide Micro Drill 3mm Shank	1	1.75	5
C82X50033	£12.43	0.33mm 5xD Carbide Micro Drill 3mm Shank	1	1.75	5
C82X50034	£12.43	0.34mm 5xD Carbide Micro Drill 3mm Shank	1	1.75	5
C82X50035	£12.43	0.35mm 5xD Carbide Micro Drill 3mm Shank	1	1.75	5
C82X50036	£12.22	0.36mm 5xD Carbide Micro Drill 3mm Shank	1	2	5
C82X50037	£12.22	0.37mm 5xD Carbide Micro Drill 3mm Shank	1	2	5
C82X50038	£12.22	0.38mm 5xD Carbide Micro Drill 3mm Shank	1	2	5
C82X50039	£12.22	0.39mm 5xD Carbide Micro Drill 3mm Shank	1	2	5
C82X50040	£12.22	0.40mm 5xD Carbide Micro Drill 3mm Shank	1	2	5
C82X50041	£12.01	0.41mm 5xD Carbide Micro Drill 3mm Shank	1	2.25	5
C82X50042	£12.01	0.42mm 5xD Carbide Micro Drill 3mm Shank	1	2.25	5
C82X50043	£12.01	0.43mm 5xD Carbide Micro Drill 3mm Shank	1	2.25	5
C82X50044	£12.01	0.44mm 5xD Carbide Micro Drill 3mm Shank	1	2.25	5
C82X50045	£12.01	0.45mm 5xD Carbide Micro Drill 3mm Shank	1	2.25	5
C82X50046	£12.01	0.46mm 5xD Carbide Micro Drill 3mm Shank	1	2.5	10
C82X50047	£12.01	0.47mm 5xD Carbide Micro Drill 3mm Shank	1	2.5	10
C82X50048	£12.01	0.48mm 5xD Carbide Micro Drill 3mm Shank	1	2.5	10
C82X50049	£12.01	0.49mm 5xD Carbide Micro Drill 3mm Shank	1	2.5	10
C82X50050	£12.01	0.50mm 5xD Carbide Micro Drill 3mm Shank	1.5	2.5	10
C82X50051	£12.01	0.51mm 5xD Carbide Micro Drill 3mm Shank	1.5	3	10
C82X50052	£12.01	0.52mm 5xD Carbide Micro Drill 3mm Shank	1.5	3	10
C82X50053	£12.01	0.53mm 5xD Carbide Micro Drill 3mm Shank	1.5	3	10
C82X50054	£12.01	0.54mm 5xD Carbide Micro Drill 3mm Shank	1.5	3	10
C82X50055	£12.01	0.55mm 5xD Carbide Micro Drill 3mm Shank	1.5	3	10

Rotagrip Ltd, 16-20 Lodge Road, Hockley, Birmingham, B18 5PN

Tel 0121 551 1566 / 0121 554 5177

Email info@rotagriponline.com, Website www.rotagriponline.com

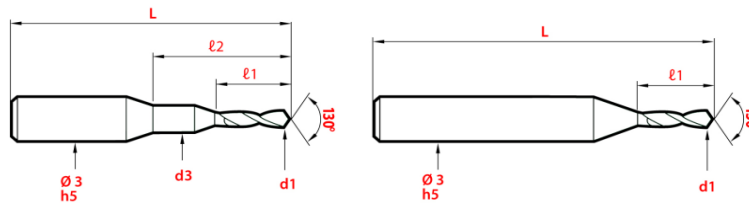


# SOLID CARBIDE TOOLING

## 5xD Carbide Micro Drills (3mm Shank)

Supplied by Magafor SA

Code 82X5



Tolerance	
Shank	3mm h5
D	-0.004mm
d3	±0.01
α	±2°

Part Number	Price	Description	d3	l1	l2
C82X50056	£12.01	0.56mm 5xD Carbide Micro Drill 3mm Shank	1.5	3	10
C82X50057	£12.01	0.57mm 5xD Carbide Micro Drill 3mm Shank	1.5	3	10
C82X50058	£12.01	0.58mm 5xD Carbide Micro Drill 3mm Shank	1.5	3	10
C82X50059	£12.01	0.59mm 5xD Carbide Micro Drill 3mm Shank	1.5	3	10
C82X50060	£12.01	0.60mm 5xD Carbide Micro Drill 3mm Shank	1.5	3	10
C82X50061	£12.01	0.61mm 5xD Carbide Micro Drill 3mm Shank	1.5	3.5	10
C82X50062	£12.01	0.62mm 5xD Carbide Micro Drill 3mm Shank	1.5	3.5	10
C82X50063	£12.01	0.63mm 5xD Carbide Micro Drill 3mm Shank	1.5	3.5	10
C82X50064	£12.01	0.64mm 5xD Carbide Micro Drill 3mm Shank	1.5	3.5	10
C82X50065	£12.01	0.65mm 5xD Carbide Micro Drill 3mm Shank	1.5	3.5	10
C82X50066	£12.01	0.66mm 5xD Carbide Micro Drill 3mm Shank	1.5	3.5	10
C82X50067	£12.01	0.67mm 5xD Carbide Micro Drill 3mm Shank	1.5	3.5	10
C82X50068	£12.01	0.68mm 5xD Carbide Micro Drill 3mm Shank	1.5	3.5	10
C82X50069	£12.01	0.69mm 5xD Carbide Micro Drill 3mm Shank	1.5	3.5	10
C82X50070	£12.01	0.70mm 5xD Carbide Micro Drill 3mm Shank	1.5	3.5	10
C82X50071	£12.01	0.71mm 5xD Carbide Micro Drill 3mm Shank	1.5	4	10
C82X50072	£12.01	0.72mm 5xD Carbide Micro Drill 3mm Shank	1.5	4	10
C82X50073	£12.01	0.73mm 5xD Carbide Micro Drill 3mm Shank	1.5	4	10
C82X50074	£12.01	0.74mm 5xD Carbide Micro Drill 3mm Shank	1.5	4	10
C82X50075	£12.01	0.75mm 5xD Carbide Micro Drill 3mm Shank	1.5	4	10
C82X50076	£12.01	0.76mm 5xD Carbide Micro Drill 3mm Shank	1.5	4	10
C82X50077	£12.01	0.77mm 5xD Carbide Micro Drill 3mm Shank	1.5	4	10
C82X50078	£12.01	0.78mm 5xD Carbide Micro Drill 3mm Shank	1.5	4	10
C82X50079	£12.01	0.79mm 5xD Carbide Micro Drill 3mm Shank	1.5	4	10
C82X50080	£12.01	0.80mm 5xD Carbide Micro Drill 3mm Shank	1.5	4	10
C82X50081	£12.01	0.81mm 5xD Carbide Micro Drill 3mm Shank	1.5	4.5	10
C82X50082	£12.01	0.82mm 5xD Carbide Micro Drill 3mm Shank	1.5	4.5	10
C82X50083	£12.01	0.83mm 5xD Carbide Micro Drill 3mm Shank	1.5	4.5	10
C82X50084	£12.01	0.84mm 5xD Carbide Micro Drill 3mm Shank	1.5	4.5	10
C82X50085	£12.01	0.85mm 5xD Carbide Micro Drill 3mm Shank	1.5	4.5	10
C82X50086	£12.01	0.86mm 5xD Carbide Micro Drill 3mm Shank	1.5	4.5	10
C82X50087	£12.01	0.87mm 5xD Carbide Micro Drill 3mm Shank	1.5	4.5	10
C82X50088	£12.01	0.88mm 5xD Carbide Micro Drill 3mm Shank	1.5	4.5	10
C82X50089	£12.01	0.89mm 5xD Carbide Micro Drill 3mm Shank	1.5	4.5	10
C82X50090	£12.01	0.90mm 5xD Carbide Micro Drill 3mm Shank	1.5	4.5	10
C82X50091	£12.01	0.91mm 5xD Carbide Micro Drill 3mm Shank	1.5	5	10
C82X50092	£12.01	0.92mm 5xD Carbide Micro Drill 3mm Shank	1.5	5	10
C82X50093	£12.01	0.93mm 5xD Carbide Micro Drill 3mm Shank	1.5	5	10
C82X50094	£12.01	0.94mm 5xD Carbide Micro Drill 3mm Shank	1.5	5	10
C82X50095	£12.01	0.95mm 5xD Carbide Micro Drill 3mm Shank	1.5	5	10
C82X50096	£12.01	0.96mm 5xD Carbide Micro Drill 3mm Shank	1.5	5	10
C82X50097	£12.01	0.97mm 5xD Carbide Micro Drill 3mm Shank	1.5	5	10
C82X50098	£12.01	0.98mm 5xD Carbide Micro Drill 3mm Shank	1.5	5	10
C82X50099	£12.01	0.99mm 5xD Carbide Micro Drill 3mm Shank	1.5	5	10
C82X50100	£12.01	1.00mm 5xD Carbide Micro Drill 3mm Shank	2	5	10
C82X50101	£12.84	1.01mm 5xD Carbide Micro Drill 3mm Shank	2	5.5	10

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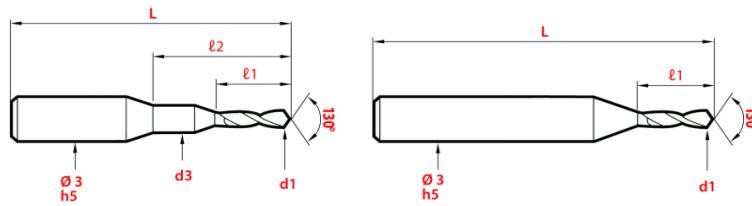
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# SOLID CARBIDE TOOLING

## 5xD Carbide Micro Drills (3mm Shank)

Supplied by Magafor SA

Code 82X5



Tolerance	
Shank	3mm h5
D	-0.004mm
d3	±0.01
α	±2°

Part Number	Price	Description	d3	l1	l2
C82X50102	£12.84	1.02mm 5xD Carbide Micro Drill 3mm Shank	2	5.5	10
C82X50103	£12.84	1.03mm 5xD Carbide Micro Drill 3mm Shank	2	5.5	10
C82X50104	£12.84	1.04mm 5xD Carbide Micro Drill 3mm Shank	2	5.5	10
C82X50105	£12.84	1.05mm 5xD Carbide Micro Drill 3mm Shank	2	5.5	10
C82X50106	£12.84	1.06mm 5xD Carbide Micro Drill 3mm Shank	2	5.5	10
C82X50107	£12.84	1.07mm 5xD Carbide Micro Drill 3mm Shank	2	5.5	10
C82X50108	£12.84	1.08mm 5xD Carbide Micro Drill 3mm Shank	2	5.5	10
C82X50109	£12.84	1.09mm 5xD Carbide Micro Drill 3mm Shank	2	5.5	10
C82X50110	£12.84	1.10mm 5xD Carbide Micro Drill 3mm Shank	2	5.5	10
C82X50111	£12.84	1.11mm 5xD Carbide Micro Drill 3mm Shank	2	6	10
C82X50112	£12.84	1.12mm 5xD Carbide Micro Drill 3mm Shank	2	6	10
C82X50113	£12.84	1.13mm 5xD Carbide Micro Drill 3mm Shank	2	6	10
C82X50114	£12.84	1.14mm 5xD Carbide Micro Drill 3mm Shank	2	6	10
C82X50115	£12.84	1.15mm 5xD Carbide Micro Drill 3mm Shank	2	6	10
C82X50116	£12.84	1.16mm 5xD Carbide Micro Drill 3mm Shank	2	6	10
C82X50117	£12.84	1.17mm 5xD Carbide Micro Drill 3mm Shank	2	6	10
C82X50118	£12.84	1.18mm 5xD Carbide Micro Drill 3mm Shank	2	6	10
C82X50119	£12.84	1.19mm 5xD Carbide Micro Drill 3mm Shank	2	6	10
C82X50120	£12.84	1.20mm 5xD Carbide Micro Drill 3mm Shank	2	6	10
C82X50121	£12.84	1.21mm 5xD Carbide Micro Drill 3mm Shank	2	6.5	10
C82X50122	£12.84	1.22mm 5xD Carbide Micro Drill 3mm Shank	2	6.5	10
C82X50123	£12.84	1.23mm 5xD Carbide Micro Drill 3mm Shank	2	6.5	10
C82X50124	£12.84	1.24mm 5xD Carbide Micro Drill 3mm Shank	2	6.5	10
C82X50125	£12.84	1.25mm 5xD Carbide Micro Drill 3mm Shank	2	6.5	10
C82X50126	£12.84	1.26mm 5xD Carbide Micro Drill 3mm Shank	2	6.5	10
C82X50127	£12.84	1.27mm 5xD Carbide Micro Drill 3mm Shank	2	6.5	10
C82X50128	£12.84	1.28mm 5xD Carbide Micro Drill 3mm Shank	2	6.5	10
C82X50129	£12.84	1.29mm 5xD Carbide Micro Drill 3mm Shank	2	6.5	10
C82X50130	£12.84	1.30mm 5xD Carbide Micro Drill 3mm Shank	2	6.5	10
C82X50131	£12.84	1.31mm 5xD Carbide Micro Drill 3mm Shank	2	7	10
C82X50132	£12.84	1.32mm 5xD Carbide Micro Drill 3mm Shank	2	7	10
C82X50133	£12.84	1.33mm 5xD Carbide Micro Drill 3mm Shank	2	7	10
C82X50134	£12.84	1.34mm 5xD Carbide Micro Drill 3mm Shank	2	7	10
C82X50135	£12.84	1.35mm 5xD Carbide Micro Drill 3mm Shank	2	7	10
C82X50136	£12.84	1.36mm 5xD Carbide Micro Drill 3mm Shank	2	7	10
C82X50137	£12.84	1.37mm 5xD Carbide Micro Drill 3mm Shank	2	7	10
C82X50138	£12.84	1.38mm 5xD Carbide Micro Drill 3mm Shank	2	7	10
C82X50139	£12.84	1.39mm 5xD Carbide Micro Drill 3mm Shank	2	7	10
C82X50140	£12.84	1.40mm 5xD Carbide Micro Drill 3mm Shank	2	7	10
C82X50141	£12.84	1.41mm 5xD Carbide Micro Drill 3mm Shank	-	7.5	-
C82X50142	£12.84	1.42mm 5xD Carbide Micro Drill 3mm Shank	-	7.5	-
C82X50143	£12.84	1.43mm 5xD Carbide Micro Drill 3mm Shank	-	7.5	-
C82X50144	£12.84	1.44mm 5xD Carbide Micro Drill 3mm Shank	-	7.5	-
C82X50145	£12.84	1.45mm 5xD Carbide Micro Drill 3mm Shank	-	7.5	-
C82X50146	£12.84	1.46mm 5xD Carbide Micro Drill 3mm Shank	-	7.5	-
C82X50147	£12.84	1.47mm 5xD Carbide Micro Drill 3mm Shank	-	7.5	-

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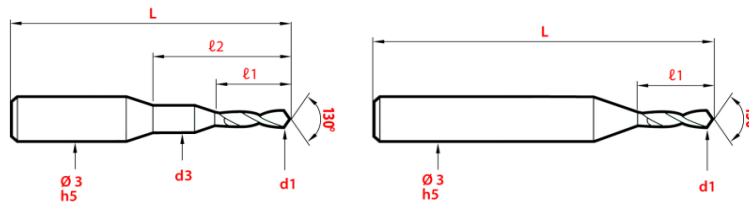
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# SOLID CARBIDE TOOLING

## 5xD Carbide Micro Drills (3mm Shank)

Supplied by Magafor SA

Code 82X5



Tolerance	
Shank	3mm h5
D	-0.004mm
d3	±0.01
α	±2°

Part Number	Price	Description	d3	l1	l2
C82X50148	£12.84	1.48mm 5xD Carbide Micro Drill 3mm Shank	-	7.5	-
C82X50149	£12.84	1.49mm 5xD Carbide Micro Drill 3mm Shank	-	7.5	-
C82X50150	£12.84	1.50mm 5xD Carbide Micro Drill 3mm Shank	-	7.5	-
C82X50151	£12.84	1.51mm 5xD Carbide Micro Drill 3mm Shank	-	8	-
C82X50152	£12.84	1.52mm 5xD Carbide Micro Drill 3mm Shank	-	8	-
C82X50153	£12.84	1.53mm 5xD Carbide Micro Drill 3mm Shank	-	8	-
C82X50154	£12.84	1.54mm 5xD Carbide Micro Drill 3mm Shank	-	8	-
C82X50155	£12.84	1.55mm 5xD Carbide Micro Drill 3mm Shank	-	8	-
C82X50156	£12.84	1.56mm 5xD Carbide Micro Drill 3mm Shank	-	8	-
C82X50157	£12.84	1.57mm 5xD Carbide Micro Drill 3mm Shank	-	8	-
C82X50158	£12.84	1.58mm 5xD Carbide Micro Drill 3mm Shank	-	8	-
C82X50159	£12.84	1.59mm 5xD Carbide Micro Drill 3mm Shank	-	8	-
C82X50160	£12.84	1.60mm 5xD Carbide Micro Drill 3mm Shank	-	8	-
C82X50161	£12.84	1.61mm 5xD Carbide Micro Drill 3mm Shank	-	8.5	-
C82X50162	£12.84	1.62mm 5xD Carbide Micro Drill 3mm Shank	-	8.5	-
C82X50163	£12.84	1.63mm 5xD Carbide Micro Drill 3mm Shank	-	8.5	-
C82X50164	£12.84	1.64mm 5xD Carbide Micro Drill 3mm Shank	-	8.5	-
C82X50165	£12.84	1.65mm 5xD Carbide Micro Drill 3mm Shank	-	8.5	-
C82X50166	£12.84	1.66mm 5xD Carbide Micro Drill 3mm Shank	-	8.5	-
C82X50167	£12.84	1.67mm 5xD Carbide Micro Drill 3mm Shank	-	8.5	-
C82X50168	£12.84	1.68mm 5xD Carbide Micro Drill 3mm Shank	-	8.5	-
C82X50169	£12.84	1.69mm 5xD Carbide Micro Drill 3mm Shank	-	8.5	-
C82X50170	£12.84	1.70mm 5xD Carbide Micro Drill 3mm Shank	-	8.5	-
C82X50171	£12.84	1.71mm 5xD Carbide Micro Drill 3mm Shank	-	9	-
C82X50172	£12.84	1.72mm 5xD Carbide Micro Drill 3mm Shank	-	9	-
C82X50173	£12.84	1.73mm 5xD Carbide Micro Drill 3mm Shank	-	9	-
C82X50174	£12.84	1.74mm 5xD Carbide Micro Drill 3mm Shank	-	9	-
C82X50175	£12.84	1.75mm 5xD Carbide Micro Drill 3mm Shank	-	9	-
C82X50176	£12.84	1.76mm 5xD Carbide Micro Drill 3mm Shank	-	9	-
C82X50177	£12.84	1.77mm 5xD Carbide Micro Drill 3mm Shank	-	9	-
C82X50178	£12.84	1.78mm 5xD Carbide Micro Drill 3mm Shank	-	9	-
C82X50179	£12.84	1.79mm 5xD Carbide Micro Drill 3mm Shank	-	9	-
C82X50180	£12.84	1.80mm 5xD Carbide Micro Drill 3mm Shank	-	9	-
C82X50181	£12.84	1.81mm 5xD Carbide Micro Drill 3mm Shank	-	9.5	-
C82X50182	£12.84	1.82mm 5xD Carbide Micro Drill 3mm Shank	-	9.5	-
C82X50183	£12.84	1.83mm 5xD Carbide Micro Drill 3mm Shank	-	9.5	-
C82X50184	£12.84	1.84mm 5xD Carbide Micro Drill 3mm Shank	-	9.5	-
C82X50185	£12.84	1.85mm 5xD Carbide Micro Drill 3mm Shank	-	9.5	-
C82X50186	£12.84	1.86mm 5xD Carbide Micro Drill 3mm Shank	-	9.5	-
C82X50187	£12.84	1.87mm 5xD Carbide Micro Drill 3mm Shank	-	9.5	-
C82X50188	£12.84	1.88mm 5xD Carbide Micro Drill 3mm Shank	-	9.5	-
C82X50189	£12.84	1.89mm 5xD Carbide Micro Drill 3mm Shank	-	9.5	-
C82X50190	£12.84	1.90mm 5xD Carbide Micro Drill 3mm Shank	-	9.5	-
C82X50191	£12.84	1.91mm 5xD Carbide Micro Drill 3mm Shank	-	10	-
C82X50192	£12.84	1.92mm 5xD Carbide Micro Drill 3mm Shank	-	10	-
C82X50193	£12.84	1.93mm 5xD Carbide Micro Drill 3mm Shank	-	10	-

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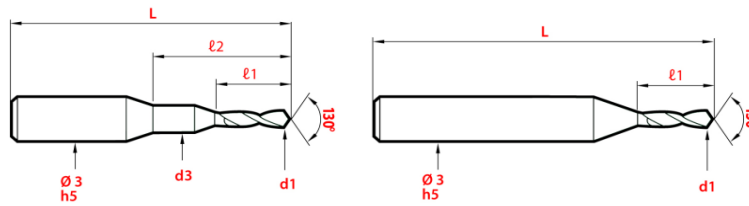
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# SOLID CARBIDE TOOLING

## 5xD Carbide Micro Drills (3mm Shank)

Supplied by Magafor SA

Code 82X5



Tolerance	
Shank	3mm h5
D	-0.004mm
d3	±0.01
α	±2°

Part Number	Price	Description	d3	l1	l2
C82X50194	£12.84	1.94mm 5xD Carbide Micro Drill 3mm Shank	-	10	-
C82X50195	£12.84	1.95mm 5xD Carbide Micro Drill 3mm Shank	-	10	-
C82X50196	£12.84	1.96mm 5xD Carbide Micro Drill 3mm Shank	-	10	-
C82X50197	£12.84	1.97mm 5xD Carbide Micro Drill 3mm Shank	-	10	-
C82X50198	£12.84	1.98mm 5xD Carbide Micro Drill 3mm Shank	-	10	-
C82X50199	£12.84	1.99mm 5xD Carbide Micro Drill 3mm Shank	-	10	-
C82X50200	£12.84	2.00mm 5xD Carbide Micro Drill 3mm Shank	-	10	-
C82X50201	£13.36	2.01mm 5xD Carbide Micro Drill 3mm Shank	-	10.5	-
C82X50202	£13.36	2.02mm 5xD Carbide Micro Drill 3mm Shank	-	10.5	-
C82X50203	£13.36	2.03mm 5xD Carbide Micro Drill 3mm Shank	-	10.5	-
C82X50204	£13.36	2.04mm 5xD Carbide Micro Drill 3mm Shank	-	10.5	-
C82X50205	£13.36	2.05mm 5xD Carbide Micro Drill 3mm Shank	-	10.5	-
C82X50206	£13.36	2.06mm 5xD Carbide Micro Drill 3mm Shank	-	10.5	-
C82X50207	£13.36	2.07mm 5xD Carbide Micro Drill 3mm Shank	-	10.5	-
C82X50208	£13.36	2.08mm 5xD Carbide Micro Drill 3mm Shank	-	10.5	-
C82X50209	£13.36	2.09mm 5xD Carbide Micro Drill 3mm Shank	-	10.5	-
C82X50210	£13.36	2.10mm 5xD Carbide Micro Drill 3mm Shank	-	10.5	-
C82X50211	£13.36	2.11mm 5xD Carbide Micro Drill 3mm Shank	-	11	-
C82X50212	£13.36	2.12mm 5xD Carbide Micro Drill 3mm Shank	-	11	-
C82X50213	£13.36	2.13mm 5xD Carbide Micro Drill 3mm Shank	-	11	-
C82X50214	£13.36	2.14mm 5xD Carbide Micro Drill 3mm Shank	-	11	-
C82X50215	£13.36	2.15mm 5xD Carbide Micro Drill 3mm Shank	-	11	-
C82X50216	£13.36	2.16mm 5xD Carbide Micro Drill 3mm Shank	-	11	-
C82X50217	£13.36	2.17mm 5xD Carbide Micro Drill 3mm Shank	-	11	-
C82X50218	£13.36	2.18mm 5xD Carbide Micro Drill 3mm Shank	-	11	-
C82X50219	£13.36	2.19mm 5xD Carbide Micro Drill 3mm Shank	-	11	-
C82X50220	£13.36	2.20mm 5xD Carbide Micro Drill 3mm Shank	-	11	-
C82X50221	£13.36	2.21mm 5xD Carbide Micro Drill 3mm Shank	-	11.5	-
C82X50222	£13.36	2.22mm 5xD Carbide Micro Drill 3mm Shank	-	11.5	-
C82X50223	£13.36	2.23mm 5xD Carbide Micro Drill 3mm Shank	-	11.5	-
C82X50224	£13.36	2.24mm 5xD Carbide Micro Drill 3mm Shank	-	11.5	-
C82X50225	£13.36	2.25mm 5xD Carbide Micro Drill 3mm Shank	-	11.5	-
C82X50226	£13.36	2.26mm 5xD Carbide Micro Drill 3mm Shank	-	11.5	-
C82X50227	£13.36	2.27mm 5xD Carbide Micro Drill 3mm Shank	-	11.5	-
C82X50228	£13.36	2.28mm 5xD Carbide Micro Drill 3mm Shank	-	11.5	-
C82X50229	£13.36	2.29mm 5xD Carbide Micro Drill 3mm Shank	-	11.5	-
C82X50230	£13.36	2.30mm 5xD Carbide Micro Drill 3mm Shank	-	11.5	-
C82X50231	£13.36	2.31mm 5xD Carbide Micro Drill 3mm Shank	-	12	-
C82X50232	£13.36	2.32mm 5xD Carbide Micro Drill 3mm Shank	-	12	-
C82X50233	£13.36	2.33mm 5xD Carbide Micro Drill 3mm Shank	-	12	-
C82X50234	£13.36	2.34mm 5xD Carbide Micro Drill 3mm Shank	-	12	-
C82X50235	£13.36	2.35mm 5xD Carbide Micro Drill 3mm Shank	-	12	-
C82X50236	£13.36	2.36mm 5xD Carbide Micro Drill 3mm Shank	-	12	-
C82X50237	£13.36	2.37mm 5xD Carbide Micro Drill 3mm Shank	-	12	-
C82X50238	£13.36	2.38mm 5xD Carbide Micro Drill 3mm Shank	-	12	-
C82X50239	£13.36	2.39mm 5xD Carbide Micro Drill 3mm Shank	-	12	-

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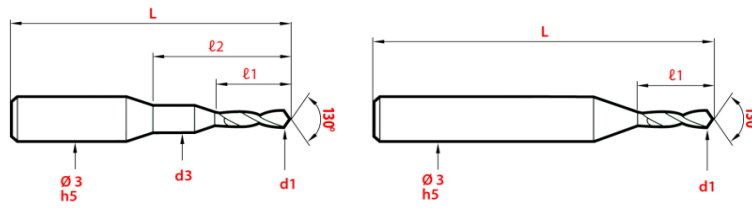
Email info@rotagriponline.com, Website www.rotagriponline.com

# SOLID CARBIDE TOOLING

## 5xD Carbide Micro Drills (3mm Shank)

Supplied by Magafor SA

Code 82X5



Tolerance	
Shank	3mm h5
D	-0.004mm
d3	±0.01
α	±2°

Part Number	Price	Description	d3	l1	l2
C82X50240	£13.36	2.40mm 5xD Carbide Micro Drill 3mm Shank	-	12	-
C82X50241	£13.36	2.41mm 5xD Carbide Micro Drill 3mm Shank	-	12.5	-
C82X50242	£13.36	2.42mm 5xD Carbide Micro Drill 3mm Shank	-	12.5	-
C82X50243	£13.36	2.43mm 5xD Carbide Micro Drill 3mm Shank	-	12.5	-
C82X50244	£13.36	2.44mm 5xD Carbide Micro Drill 3mm Shank	-	12.5	-
C82X50245	£13.36	2.45mm 5xD Carbide Micro Drill 3mm Shank	-	12.5	-
C82X50246	£13.36	2.46mm 5xD Carbide Micro Drill 3mm Shank	-	12.5	-
C82X50247	£13.36	2.47mm 5xD Carbide Micro Drill 3mm Shank	-	12.5	-
C82X50248	£13.36	2.48mm 5xD Carbide Micro Drill 3mm Shank	-	12.5	-
C82X50249	£13.36	2.49mm 5xD Carbide Micro Drill 3mm Shank	-	12.5	-
C82X50250	£13.36	2.50mm 5xD Carbide Micro Drill 3mm Shank	-	12.5	-
C82X50251	£13.36	2.51mm 5xD Carbide Micro Drill 3mm Shank	-	13	-
C82X50252	£13.36	2.52mm 5xD Carbide Micro Drill 3mm Shank	-	13	-
C82X50253	£13.36	2.53mm 5xD Carbide Micro Drill 3mm Shank	-	13	-
C82X50254	£13.36	2.54mm 5xD Carbide Micro Drill 3mm Shank	-	13	-
C82X50255	£13.36	2.55mm 5xD Carbide Micro Drill 3mm Shank	-	13	-
C82X50256	£13.36	2.56mm 5xD Carbide Micro Drill 3mm Shank	-	13	-
C82X50257	£13.36	2.57mm 5xD Carbide Micro Drill 3mm Shank	-	13	-
C82X50258	£13.36	2.58mm 5xD Carbide Micro Drill 3mm Shank	-	13	-
C82X50259	£13.36	2.59mm 5xD Carbide Micro Drill 3mm Shank	-	13	-
C82X50260	£13.36	2.60mm 5xD Carbide Micro Drill 3mm Shank	-	13	-
C82X50261	£13.36	2.61mm 5xD Carbide Micro Drill 3mm Shank	-	13.5	-
C82X50262	£13.36	2.62mm 5xD Carbide Micro Drill 3mm Shank	-	13.5	-
C82X50263	£13.36	2.63mm 5xD Carbide Micro Drill 3mm Shank	-	13.5	-
C82X50264	£13.36	2.64mm 5xD Carbide Micro Drill 3mm Shank	-	13.5	-
C82X50265	£13.36	2.65mm 5xD Carbide Micro Drill 3mm Shank	-	13.5	-
C82X50266	£13.36	2.66mm 5xD Carbide Micro Drill 3mm Shank	-	13.5	-
C82X50267	£13.36	2.67mm 5xD Carbide Micro Drill 3mm Shank	-	13.5	-
C82X50268	£13.36	2.68mm 5xD Carbide Micro Drill 3mm Shank	-	13.5	-
C82X50269	£13.36	2.69mm 5xD Carbide Micro Drill 3mm Shank	-	13.5	-
C82X50270	£13.36	2.70mm 5xD Carbide Micro Drill 3mm Shank	-	13.5	-
C82X50271	£13.36	2.71mm 5xD Carbide Micro Drill 3mm Shank	-	14	-
C82X50272	£13.36	2.72mm 5xD Carbide Micro Drill 3mm Shank	-	14	-
C82X50273	£13.36	2.73mm 5xD Carbide Micro Drill 3mm Shank	-	14	-
C82X50274	£13.36	2.74mm 5xD Carbide Micro Drill 3mm Shank	-	14	-
C82X50275	£13.36	2.75mm 5xD Carbide Micro Drill 3mm Shank	-	14	-
C82X50276	£13.36	2.76mm 5xD Carbide Micro Drill 3mm Shank	-	14	-
C82X50277	£13.36	2.77mm 5xD Carbide Micro Drill 3mm Shank	-	14	-
C82X50278	£13.36	2.78mm 5xD Carbide Micro Drill 3mm Shank	-	14	-
C82X50279	£13.36	2.79mm 5xD Carbide Micro Drill 3mm Shank	-	14	-
C82X50280	£13.36	2.80mm 5xD Carbide Micro Drill 3mm Shank	-	14	-
C82X50281	£13.36	2.81mm 5xD Carbide Micro Drill 3mm Shank	-	14.5	-
C82X50282	£13.36	2.82mm 5xD Carbide Micro Drill 3mm Shank	-	14.5	-
C82X50283	£13.36	2.83mm 5xD Carbide Micro Drill 3mm Shank	-	14.5	-
C82X50284	£13.36	2.84mm 5xD Carbide Micro Drill 3mm Shank	-	14.5	-
C82X50285	£13.36	2.85mm 5xD Carbide Micro Drill 3mm Shank	-	14.5	-

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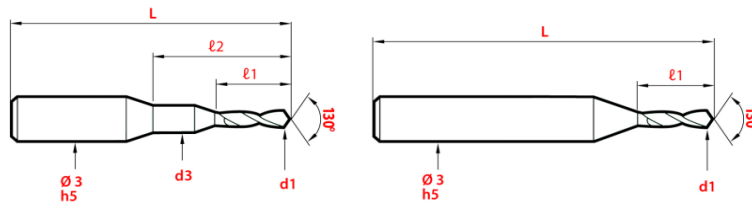
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# SOLID CARBIDE TOOLING

## 5xD Carbide Micro Drills (3mm Shank)

Supplied by Magafor SA

Code 82X5



Tolerance	
Shank	3mm h5
D	-0.004mm
d3	±0.01
α	±2°

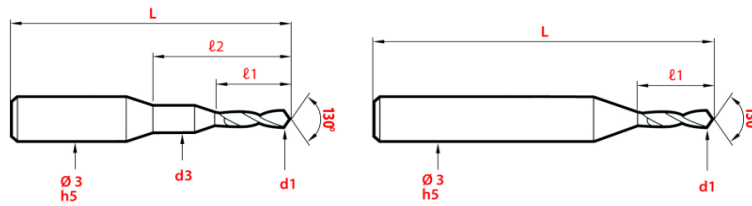
Part Number	Price	Description	d3	l1	l2
C82X50286	£13.36	2.86mm 5xD Carbide Micro Drill 3mm Shank	-	14.5	-
C82X50287	£13.36	2.87mm 5xD Carbide Micro Drill 3mm Shank	-	14.5	-
C82X50288	£13.36	2.88mm 5xD Carbide Micro Drill 3mm Shank	-	14.5	-
C82X50289	£13.36	2.89mm 5xD Carbide Micro Drill 3mm Shank	-	14.5	-
C82X50290	£13.36	2.90mm 5xD Carbide Micro Drill 3mm Shank	-	14.5	-
C82X50291	£13.36	2.91mm 5xD Carbide Micro Drill 3mm Shank	-	15	-
C82X50292	£13.36	2.92mm 5xD Carbide Micro Drill 3mm Shank	-	15	-
C82X50293	£13.36	2.93mm 5xD Carbide Micro Drill 3mm Shank	-	15	-
C82X50294	£13.36	2.94mm 5xD Carbide Micro Drill 3mm Shank	-	15	-
C82X50295	£13.36	2.95mm 5xD Carbide Micro Drill 3mm Shank	-	15	-
C82X50296	£13.36	2.96mm 5xD Carbide Micro Drill 3mm Shank	-	15	-
C82X50297	£13.36	2.97mm 5xD Carbide Micro Drill 3mm Shank	-	15	-
C82X50298	£13.36	2.98mm 5xD Carbide Micro Drill 3mm Shank	-	15	-
C82X50299	£13.36	2.99mm 5xD Carbide Micro Drill 3mm Shank	-	15	-
C82X50300	£13.36	3.00mm 5xD Carbide Micro Drill 3mm Shank	-	15	-

# SOLID CARBIDE TOOLING

## 8xD Carbide Micro Drills (3mm Shank)

Supplied by Magafor SA

Code 82X8



Tolerance	
Shank	3mm h5
D	-0.004mm
d3	±0.01
α	±2°

Part Number	Price	Description	d3	l1	l2
C82X80010	£18.37	0.10mm 8xD Carbide Micro Drill 3mm Shank	1	0.8	5
C82X80011	£18.37	0.11mm 8xD Carbide Micro Drill 3mm Shank	1	1	5
C82X80012	£18.37	0.12mm 8xD Carbide Micro Drill 3mm Shank	1	1	5
C82X80013	£18.14	0.13mm 8xD Carbide Micro Drill 3mm Shank	1	1.2	5
C82X80014	£18.14	0.14mm 8xD Carbide Micro Drill 3mm Shank	1	1.2	5
C82X80015	£17.91	0.15mm 8xD Carbide Micro Drill 3mm Shank	1	1.3	5
C82X80016	£17.91	0.16mm 8xD Carbide Micro Drill 3mm Shank	1	1.3	5
C82X80017	£17.70	0.17mm 8xD Carbide Micro Drill 3mm Shank	1	1.5	5
C82X80018	£17.70	0.18mm 8xD Carbide Micro Drill 3mm Shank	1	1.6	5
C82X80019	£17.13	0.19mm 8xD Carbide Micro Drill 3mm Shank	1	1.6	7
C82X80020	£17.13	0.20mm 8xD Carbide Micro Drill 3mm Shank	-	-	-
C82X80021	£15.65	0.21mm 8xD Carbide Micro Drill 3mm Shank	1	2	7
C82X80022	£15.65	0.22mm 8xD Carbide Micro Drill 3mm Shank	1	2	7
C82X80023	£15.65	0.23mm 8xD Carbide Micro Drill 3mm Shank	1	2	7
C82X80024	£15.65	0.24mm 8xD Carbide Micro Drill 3mm Shank	1	2	7
C82X80025	£15.65	0.25mm 8xD Carbide Micro Drill 3mm Shank	1	2	7
C82X80026	£14.75	0.26mm 8xD Carbide Micro Drill 3mm Shank	1	2.4	7
C82X80027	£14.75	0.27mm 8xD Carbide Micro Drill 3mm Shank	1	2.4	7
C82X80028	£14.75	0.28mm 8xD Carbide Micro Drill 3mm Shank	1	2.4	7
C82X80029	£14.75	0.29mm 8xD Carbide Micro Drill 3mm Shank	1	2.4	7
C82X80030	£14.75	0.30mm 8xD Carbide Micro Drill 3mm Shank	1	2.4	7
C82X80031	£14.52	0.31mm 8xD Carbide Micro Drill 3mm Shank	1	2.8	7
C82X80032	£14.52	0.32mm 8xD Carbide Micro Drill 3mm Shank	1	2.8	7
C82X80033	£14.52	0.33mm 8xD Carbide Micro Drill 3mm Shank	1	2.8	7
C82X80034	£14.52	0.34mm 8xD Carbide Micro Drill 3mm Shank	1	2.8	7
C82X80035	£14.52	0.35mm 8xD Carbide Micro Drill 3mm Shank	1	2.8	7
C82X80036	£14.30	0.36mm 8xD Carbide Micro Drill 3mm Shank	1	3.2	7
C82X80037	£14.30	0.37mm 8xD Carbide Micro Drill 3mm Shank	1	3.2	7
C82X80038	£14.30	0.38mm 8xD Carbide Micro Drill 3mm Shank	1	3.2	7
C82X80039	£14.30	0.39mm 8xD Carbide Micro Drill 3mm Shank	1	3.2	7
C82X80040	£14.30	0.40mm 8xD Carbide Micro Drill 3mm Shank	1	3.2	7
C82X80041	£14.30	0.41mm 8xD Carbide Micro Drill 3mm Shank	1	3.6	7
C82X80042	£14.30	0.42mm 8xD Carbide Micro Drill 3mm Shank	1	3.6	7
C82X80043	£14.30	0.43mm 8xD Carbide Micro Drill 3mm Shank	1	3.6	7
C82X80044	£14.30	0.44mm 8xD Carbide Micro Drill 3mm Shank	1	3.6	7
C82X80045	£14.30	0.45mm 8xD Carbide Micro Drill 3mm Shank	1	3.6	7
C82X80046	£14.30	0.46mm 8xD Carbide Micro Drill 3mm Shank	1	4	7
C82X80047	£14.30	0.47mm 8xD Carbide Micro Drill 3mm Shank	1	4	7
C82X80048	£14.30	0.48mm 8xD Carbide Micro Drill 3mm Shank	1	4	7
C82X80049	£14.30	0.49mm 8xD Carbide Micro Drill 3mm Shank	1	4	7
C82X80050	£14.30	0.50mm 8xD Carbide Micro Drill 3mm Shank	1	4	15
C82X80051	£14.98	0.51mm 8xD Carbide Micro Drill 3mm Shank	1	4.8	15
C82X80052	£14.98	0.52mm 8xD Carbide Micro Drill 3mm Shank	1	4.8	15
C82X80053	£14.98	0.53mm 8xD Carbide Micro Drill 3mm Shank	1	4.8	15
C82X80054	£14.98	0.54mm 8xD Carbide Micro Drill 3mm Shank	1	4.8	15
C82X80055	£14.98	0.55mm 8xD Carbide Micro Drill 3mm Shank	1	4.8	15

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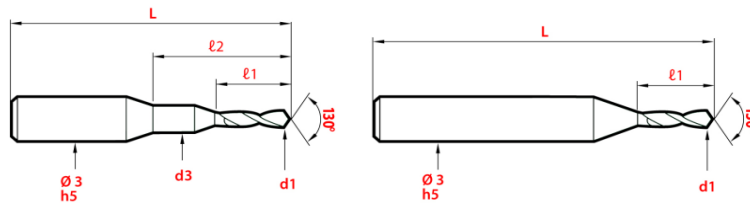
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# SOLID CARBIDE TOOLING

## 8xD Carbide Micro Drills (3mm Shank)

Supplied by Magafor SA

Code 82X8



Tolerance	
Shank	3mm h5
D	-0.004mm
d3	±0.01
α	±2°

Part Number	Price	Description	d3	l1	l2
C82X80056	£14.98	0.56mm 8xD Carbide Micro Drill 3mm Shank	1	4.8	15
C82X80057	£14.98	0.57mm 8xD Carbide Micro Drill 3mm Shank	1	4.8	15
C82X80058	£14.98	0.58mm 8xD Carbide Micro Drill 3mm Shank	1	4.8	15
C82X80059	£14.98	0.59mm 8xD Carbide Micro Drill 3mm Shank	1	4.8	15
C82X80060	£14.98	0.60mm 8xD Carbide Micro Drill 3mm Shank	1	4.8	15
C82X80061	£14.98	0.61mm 8xD Carbide Micro Drill 3mm Shank	1.5	5.6	15
C82X80062	£14.98	0.62mm 8xD Carbide Micro Drill 3mm Shank	1.5	5.6	15
C82X80063	£14.98	0.63mm 8xD Carbide Micro Drill 3mm Shank	1.5	5.6	15
C82X80064	£14.98	0.64mm 8xD Carbide Micro Drill 3mm Shank	1.5	5.6	15
C82X80065	£14.98	0.65mm 8xD Carbide Micro Drill 3mm Shank	1.5	5.6	15
C82X80066	£14.98	0.66mm 8xD Carbide Micro Drill 3mm Shank	1.5	5.6	15
C82X80067	£14.98	0.67mm 8xD Carbide Micro Drill 3mm Shank	1.5	5.6	15
C82X80068	£14.98	0.68mm 8xD Carbide Micro Drill 3mm Shank	1.5	5.6	15
C82X80069	£14.98	0.69mm 8xD Carbide Micro Drill 3mm Shank	1.5	5.6	15
C82X80070	£14.98	0.70mm 8xD Carbide Micro Drill 3mm Shank	1.5	5.6	15
C82X80071	£14.98	0.71mm 8xD Carbide Micro Drill 3mm Shank	1.5	6.4	15
C82X80072	£14.98	0.72mm 8xD Carbide Micro Drill 3mm Shank	1.5	6.4	15
C82X80073	£14.98	0.73mm 8xD Carbide Micro Drill 3mm Shank	1.5	6.4	15
C82X80074	£14.98	0.74mm 8xD Carbide Micro Drill 3mm Shank	1.5	6.4	15
C82X80075	£14.98	0.75mm 8xD Carbide Micro Drill 3mm Shank	1.5	6.4	15
C82X80076	£14.98	0.76mm 8xD Carbide Micro Drill 3mm Shank	1.5	6.4	15
C82X80077	£14.98	0.77mm 8xD Carbide Micro Drill 3mm Shank	1.5	6.4	15
C82X80078	£14.98	0.78mm 8xD Carbide Micro Drill 3mm Shank	1.5	6.4	15
C82X80079	£14.98	0.79mm 8xD Carbide Micro Drill 3mm Shank	1.5	6.4	15
C82X80080	£14.98	0.80mm 8xD Carbide Micro Drill 3mm Shank	1.5	6.4	15
C82X80081	£14.98	0.81mm 8xD Carbide Micro Drill 3mm Shank	1.5	7.2	15
C82X80082	£14.98	0.82mm 8xD Carbide Micro Drill 3mm Shank	1.5	7.2	15
C82X80083	£14.98	0.83mm 8xD Carbide Micro Drill 3mm Shank	1.5	7.2	15
C82X80084	£14.98	0.84mm 8xD Carbide Micro Drill 3mm Shank	1.5	7.2	15
C82X80085	£14.98	0.85mm 8xD Carbide Micro Drill 3mm Shank	1.5	7.2	15
C82X80086	£14.98	0.86mm 8xD Carbide Micro Drill 3mm Shank	1.5	7.2	15
C82X80087	£14.98	0.87mm 8xD Carbide Micro Drill 3mm Shank	1.5	7.2	15
C82X80088	£14.98	0.88mm 8xD Carbide Micro Drill 3mm Shank	1.5	7.2	15
C82X80089	£14.98	0.89mm 8xD Carbide Micro Drill 3mm Shank	1.5	7.2	15
C82X80090	£14.98	0.90mm 8xD Carbide Micro Drill 3mm Shank	1.5	7.2	15
C82X80091	£14.98	0.91mm 8xD Carbide Micro Drill 3mm Shank	1.5	8	15
C82X80092	£14.98	0.92mm 8xD Carbide Micro Drill 3mm Shank	1.5	8	15
C82X80093	£14.98	0.93mm 8xD Carbide Micro Drill 3mm Shank	1.5	8	15
C82X80094	£14.98	0.94mm 8xD Carbide Micro Drill 3mm Shank	1.5	8	15
C82X80095	£14.98	0.95mm 8xD Carbide Micro Drill 3mm Shank	1.5	8	15
C82X80096	£14.98	0.96mm 8xD Carbide Micro Drill 3mm Shank	1.5	8	15
C82X80097	£14.98	0.97mm 8xD Carbide Micro Drill 3mm Shank	1.5	8	15
C82X80098	£14.98	0.98mm 8xD Carbide Micro Drill 3mm Shank	1.5	8	15
C82X80099	£14.98	0.99mm 8xD Carbide Micro Drill 3mm Shank	1.5	8	15
C82X80100	£14.98	1.00mm 8xD Carbide Micro Drill 3mm Shank	1.5	8	15
C82X80101	£16.90	1.01mm 8xD Carbide Micro Drill 3mm Shank	1.5	8.8	15

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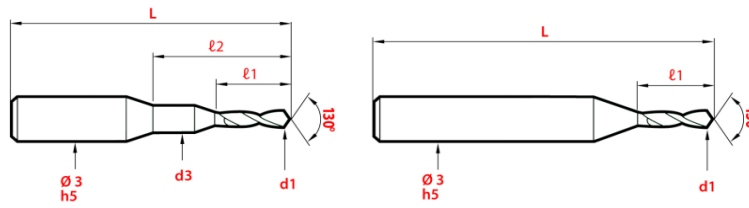


# SOLID CARBIDE TOOLING

## 8xD Carbide Micro Drills (3mm Shank)

Supplied by Magafor SA

Code 82X8



Tolerance	
Shank	3mm h5
D	-0.004mm
d3	±0.01
α	±2°

Part Number	Price	Description	d3	l1	l2
C82X80102	£16.90	1.02mm 8xD Carbide Micro Drill 3mm Shank	1.5	8.8	15
C82X80103	£16.90	1.03mm 8xD Carbide Micro Drill 3mm Shank	1.5	8.8	15
C82X80104	£16.90	1.04mm 8xD Carbide Micro Drill 3mm Shank	1.5	8.8	15
C82X80105	£16.90	1.05mm 8xD Carbide Micro Drill 3mm Shank	1.5	8.8	15
C82X80106	£16.90	1.06mm 8xD Carbide Micro Drill 3mm Shank	1.5	8.8	15
C82X80107	£16.90	1.07mm 8xD Carbide Micro Drill 3mm Shank	1.5	8.8	15
C82X80108	£16.90	1.08mm 8xD Carbide Micro Drill 3mm Shank	1.5	8.8	15
C82X80109	£16.90	1.09mm 8xD Carbide Micro Drill 3mm Shank	1.5	8.8	15
C82X80110	£16.90	1.10mm 8xD Carbide Micro Drill 3mm Shank	1.5	8.8	15
C82X80111	£16.90	1.11mm 8xD Carbide Micro Drill 3mm Shank	1.5	9.6	15
C82X80112	£16.90	1.12mm 8xD Carbide Micro Drill 3mm Shank	1.5	9.6	15
C82X80113	£16.90	1.13mm 8xD Carbide Micro Drill 3mm Shank	1.5	9.6	15
C82X80114	£16.90	1.14mm 8xD Carbide Micro Drill 3mm Shank	1.5	9.6	15
C82X80115	£16.90	1.15mm 8xD Carbide Micro Drill 3mm Shank	1.5	9.6	15
C82X80116	£16.90	1.16mm 8xD Carbide Micro Drill 3mm Shank	1.5	9.6	15
C82X80117	£16.90	1.17mm 8xD Carbide Micro Drill 3mm Shank	1.5	9.6	15
C82X80118	£16.90	1.18mm 8xD Carbide Micro Drill 3mm Shank	1.5	9.6	15
C82X80119	£16.90	1.19mm 8xD Carbide Micro Drill 3mm Shank	1.5	9.6	15
C82X80120	£16.90	1.20mm 8xD Carbide Micro Drill 3mm Shank	1.5	9.6	15
C82X80121	£16.90	1.21mm 8xD Carbide Micro Drill 3mm Shank	1.5	10.4	15
C82X80122	£16.90	1.22mm 8xD Carbide Micro Drill 3mm Shank	1.5	10.4	15
C82X80123	£16.90	1.23mm 8xD Carbide Micro Drill 3mm Shank	1.5	10.4	15
C82X80124	£16.90	1.24mm 8xD Carbide Micro Drill 3mm Shank	1.5	10.4	15
C82X80125	£16.90	1.25mm 8xD Carbide Micro Drill 3mm Shank	1.5	10.4	15
C82X80126	£16.90	1.26mm 8xD Carbide Micro Drill 3mm Shank	1.5	10.4	15
C82X80127	£16.90	1.27mm 8xD Carbide Micro Drill 3mm Shank	1.5	10.4	15
C82X80128	£16.90	1.28mm 8xD Carbide Micro Drill 3mm Shank	1.5	10.4	15
C82X80129	£16.90	1.29mm 8xD Carbide Micro Drill 3mm Shank	1.5	10.4	15
C82X80130	£16.90	1.30mm 8xD Carbide Micro Drill 3mm Shank	1.5	10.4	15
C82X80131	£16.90	1.31mm 8xD Carbide Micro Drill 3mm Shank	1.5	11.2	15
C82X80132	£16.90	1.32mm 8xD Carbide Micro Drill 3mm Shank	1.5	11.2	15
C82X80133	£16.90	1.33mm 8xD Carbide Micro Drill 3mm Shank	1.5	11.2	15
C82X80134	£16.90	1.34mm 8xD Carbide Micro Drill 3mm Shank	1.5	11.2	15
C82X80135	£16.90	1.35mm 8xD Carbide Micro Drill 3mm Shank	1.5	11.2	15
C82X80136	£16.90	1.36mm 8xD Carbide Micro Drill 3mm Shank	1.5	11.2	15
C82X80137	£16.90	1.37mm 8xD Carbide Micro Drill 3mm Shank	1.5	11.2	15
C82X80138	£16.90	1.38mm 8xD Carbide Micro Drill 3mm Shank	1.5	11.2	15
C82X80139	£16.90	1.39mm 8xD Carbide Micro Drill 3mm Shank	1.5	11.2	15
C82X80140	£16.90	1.40mm 8xD Carbide Micro Drill 3mm Shank	1.5	11.2	15
C82X80141	£16.90	1.41mm 8xD Carbide Micro Drill 3mm Shank	1.5	12	15
C82X80142	£16.90	1.42mm 8xD Carbide Micro Drill 3mm Shank	1.5	12	15
C82X80143	£16.90	1.43mm 8xD Carbide Micro Drill 3mm Shank	1.5	12	15
C82X80144	£16.90	1.44mm 8xD Carbide Micro Drill 3mm Shank	1.5	12	15
C82X80145	£16.90	1.45mm 8xD Carbide Micro Drill 3mm Shank	1.5	12	15
C82X80146	£16.90	1.46mm 8xD Carbide Micro Drill 3mm Shank	1.5	12	15
C82X80147	£16.90	1.47mm 8xD Carbide Micro Drill 3mm Shank	1.5	12	15

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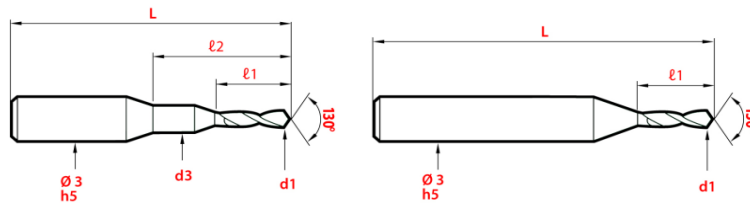
Email info@rotagriponline.com, Website www.rotagriponline.com

# SOLID CARBIDE TOOLING

## 8xD Carbide Micro Drills (3mm Shank)

Supplied by Magafor SA

Code 82X8



Tolerance	
Shank	3mm h5
D	-0.004mm
d3	±0.01
α	±2°

Part Number	Price	Description	d3	l1	l2
C82X80148	£16.90	1.48mm 8xD Carbide Micro Drill 3mm Shank	1.5	12	15
C82X80149	£16.90	1.49mm 8xD Carbide Micro Drill 3mm Shank	1.5	12	15
C82X80150	£16.90	1.50mm 8xD Carbide Micro Drill 3mm Shank	-	12	-
C82X80151	£16.90	1.51mm 8xD Carbide Micro Drill 3mm Shank	-	12.8	-
C82X80152	£16.90	1.52mm 8xD Carbide Micro Drill 3mm Shank	-	12.8	-
C82X80153	£16.90	1.53mm 8xD Carbide Micro Drill 3mm Shank	-	12.8	-
C82X80154	£16.90	1.54mm 8xD Carbide Micro Drill 3mm Shank	-	12.8	-
C82X80155	£16.90	1.55mm 8xD Carbide Micro Drill 3mm Shank	-	12.8	-
C82X80156	£16.90	1.56mm 8xD Carbide Micro Drill 3mm Shank	-	12.8	-
C82X80157	£16.90	1.57mm 8xD Carbide Micro Drill 3mm Shank	-	12.8	-
C82X80158	£16.90	1.58mm 8xD Carbide Micro Drill 3mm Shank	-	12.8	-
C82X80159	£16.90	1.59mm 8xD Carbide Micro Drill 3mm Shank	-	12.8	-
C82X80160	£16.90	1.60mm 8xD Carbide Micro Drill 3mm Shank	-	12.8	-
C82X80161	£16.90	1.61mm 8xD Carbide Micro Drill 3mm Shank	-	13.6	-
C82X80162	£16.90	1.62mm 8xD Carbide Micro Drill 3mm Shank	-	13.6	-
C82X80163	£16.90	1.63mm 8xD Carbide Micro Drill 3mm Shank	-	13.6	-
C82X80164	£16.90	1.64mm 8xD Carbide Micro Drill 3mm Shank	-	13.6	-
C82X80165	£16.90	1.65mm 8xD Carbide Micro Drill 3mm Shank	-	13.6	-
C82X80166	£16.90	1.66mm 8xD Carbide Micro Drill 3mm Shank	-	13.6	-
C82X80167	£16.90	1.67mm 8xD Carbide Micro Drill 3mm Shank	-	13.6	-
C82X80168	£16.90	1.68mm 8xD Carbide Micro Drill 3mm Shank	-	13.6	-
C82X80169	£16.90	1.69mm 8xD Carbide Micro Drill 3mm Shank	-	13.6	-
C82X80170	£16.90	1.70mm 8xD Carbide Micro Drill 3mm Shank	-	13.6	-
C82X80171	£16.90	1.71mm 8xD Carbide Micro Drill 3mm Shank	-	14.4	-
C82X80172	£16.90	1.72mm 8xD Carbide Micro Drill 3mm Shank	-	14.4	-
C82X80173	£16.90	1.73mm 8xD Carbide Micro Drill 3mm Shank	-	14.4	-
C82X80174	£16.90	1.74mm 8xD Carbide Micro Drill 3mm Shank	-	14.4	-
C82X80175	£16.90	1.75mm 8xD Carbide Micro Drill 3mm Shank	-	14.4	-
C82X80176	£16.90	1.76mm 8xD Carbide Micro Drill 3mm Shank	-	14.4	-
C82X80177	£16.90	1.77mm 8xD Carbide Micro Drill 3mm Shank	-	14.4	-
C82X80178	£16.90	1.78mm 8xD Carbide Micro Drill 3mm Shank	-	14.4	-
C82X80179	£16.90	1.79mm 8xD Carbide Micro Drill 3mm Shank	-	14.4	-
C82X80180	£16.90	1.80mm 8xD Carbide Micro Drill 3mm Shank	-	14.4	-
C82X80181	£16.90	1.81mm 8xD Carbide Micro Drill 3mm Shank	-	15.2	-
C82X80182	£16.90	1.82mm 8xD Carbide Micro Drill 3mm Shank	-	15.2	-
C82X80183	£16.90	1.83mm 8xD Carbide Micro Drill 3mm Shank	-	15.2	-
C82X80184	£16.90	1.84mm 8xD Carbide Micro Drill 3mm Shank	-	15.2	-
C82X80185	£16.90	1.85mm 8xD Carbide Micro Drill 3mm Shank	-	15.2	-
C82X80186	£16.90	1.86mm 8xD Carbide Micro Drill 3mm Shank	-	15.2	-
C82X80187	£16.90	1.87mm 8xD Carbide Micro Drill 3mm Shank	-	15.2	-
C82X80188	£16.90	1.88mm 8xD Carbide Micro Drill 3mm Shank	-	15.2	-
C82X80189	£16.90	1.89mm 8xD Carbide Micro Drill 3mm Shank	-	15.2	-
C82X80190	£16.90	1.90mm 8xD Carbide Micro Drill 3mm Shank	-	15.2	-
C82X80191	£16.90	1.91mm 8xD Carbide Micro Drill 3mm Shank	-	16	-
C82X80192	£16.90	1.92mm 8xD Carbide Micro Drill 3mm Shank	-	16	-
C82X80193	£16.90	1.93mm 8xD Carbide Micro Drill 3mm Shank	-	16	-

Rotagrip Ltd, 16-20 Lodge Road, Hockley, Birmingham, B18 5PN

Tel 0121 551 1566 / 0121 554 5177

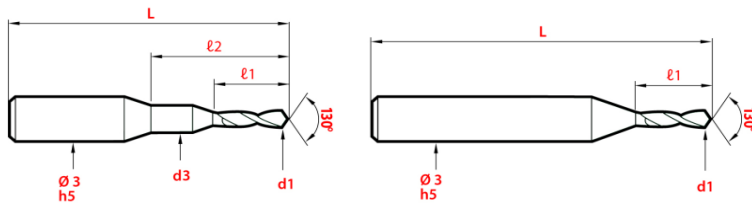
Email info@rotagriponline.com, Website www.rotagriponline.com

# SOLID CARBIDE TOOLING

## 8xD Carbide Micro Drills (3mm Shank)

Supplied by Magafor SA

Code 82X8



Tolerance	
Shank	3mm h5
D	-0.004mm
d3	±0.01
α	±2°

Part Number	Price	Description	d3	l1	l2
C82X80194	£16.90	1.94mm 8xD Carbide Micro Drill 3mm Shank	-	16	-
C82X80195	£16.90	1.95mm 8xD Carbide Micro Drill 3mm Shank	-	16	-
C82X80196	£16.90	1.96mm 8xD Carbide Micro Drill 3mm Shank	-	16	-
C82X80197	£16.90	1.97mm 8xD Carbide Micro Drill 3mm Shank	-	16	-
C82X80198	£16.90	1.98mm 8xD Carbide Micro Drill 3mm Shank	-	16	-
C82X80199	£16.90	1.99mm 8xD Carbide Micro Drill 3mm Shank	-	16	-
C82X80200	£16.90	2.00mm 8xD Carbide Micro Drill 3mm Shank	-	16	-
C82X80201	£16.90	2.01mm 8xD Carbide Micro Drill 3mm Shank	-	16.8	-
C82X80202	£16.90	2.02mm 8xD Carbide Micro Drill 3mm Shank	-	16.8	-
C82X80203	£16.90	2.03mm 8xD Carbide Micro Drill 3mm Shank	-	16.8	-
C82X80204	£16.90	2.04mm 8xD Carbide Micro Drill 3mm Shank	-	16.8	-
C82X80205	£16.90	2.05mm 8xD Carbide Micro Drill 3mm Shank	-	16.8	-