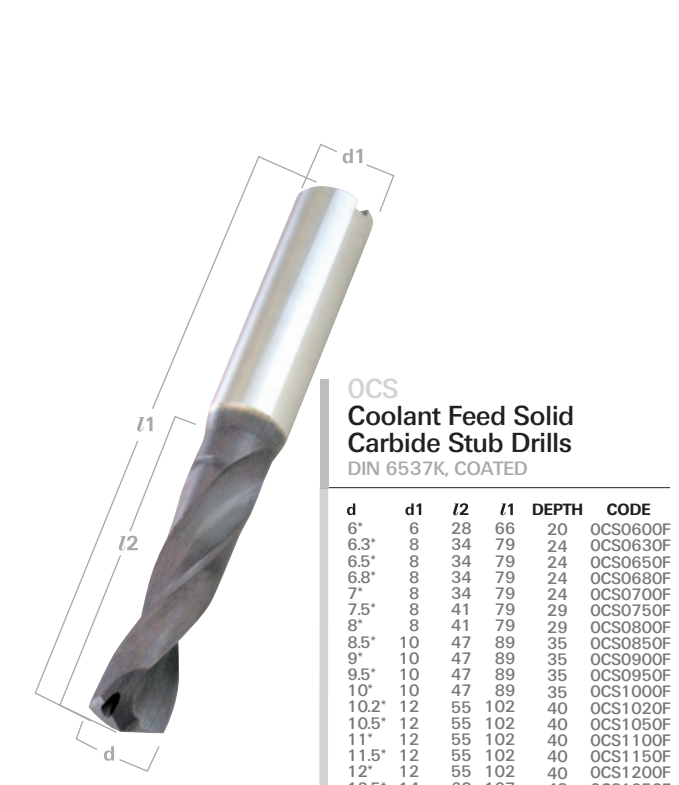
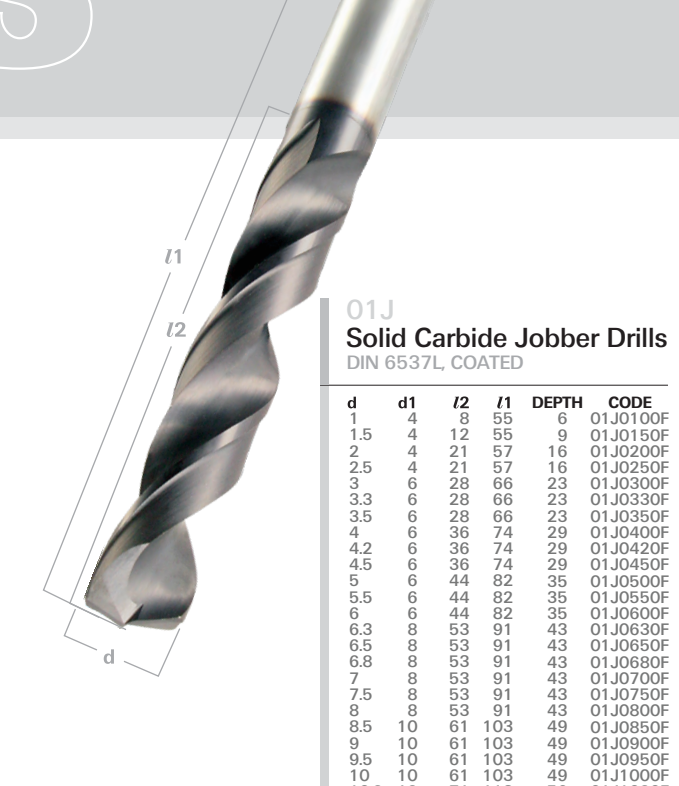
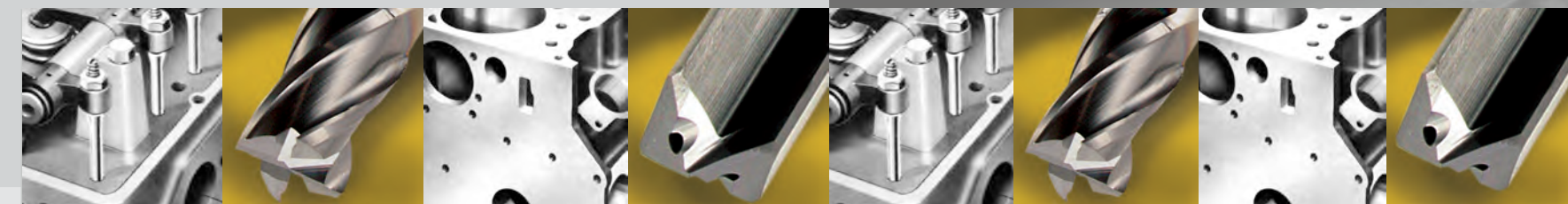


Solid Tungsten Carbide

Drills

Regrinding, Coating and Recoating Services



O1S
Solid Carbide Stub Drills
DIN 6537K, COATED

d	d1	l2	l1	DEPTH	CODE
#1	1	6	26	5	O1S0100F
#1.5	1.5	9	32	7	O1S0150F
#2	2	12	38	9	O1S0200F
#2.5	2.5	14	43	11	O1S0250F
3	3	16	49	13	O1S0300F
3.3	3.3	18	55	15	O1S0350F
3.5	3.5	20	62	17	O1S0400F
4	4	24	66	17	O1S0400F
4.2	4.2	24	66	17	O1S0420F
4.5	4.5	24	66	17	O1S0450F
5	5	28	66	20	O1S0500F
5.5	5.5	28	66	20	O1S0550F
6	6	28	66	20	O1S0600F
6.3	6.3	34	79	24	O1S0630F
6.5	6.5	34	79	24	O1S0650F
6.8	6.8	34	79	24	O1S0680F
7	7	34	79	24	O1S0700F
7.5	7.5	41	79	29	O1S0750F
8	8	41	79	29	O1S0800F
8.5	8.5	47	89	35	O1S0850F
9	10	47	89	35	O1S0900F
9.5	10	47	89	35	O1S0950F
10	10	47	89	35	O1S1000F
10.2	10.2	55	102	40	O1S1020F
10.5	10.5	55	102	40	O1S1050F
11	11	55	102	40	O1S1100F
11.5	11.5	55	102	40	O1S1150F
12	12	55	102	40	O1S1200F
12.5	12.5	60	107	43	O1S1250F
12.7	12.7	60	107	43	O1S1270F
13	13	60	107	43	O1S1300F
13.5	13.5	60	107	43	O1S1350F
14	14	60	107	43	O1S1400F

DEPTH = Maximum drilling depth
For uncoated, denote code excluding "F"
DIN 6539

O1J
Solid Carbide Jobber Drills
DIN 6537L, COATED

d	d1	l2	l1	DEPTH	CODE
1.5	4	12	55	8	O1J0150F
2.5	4	21	57	16	O1J0250F
3	4	28	66	23	O1J0300F
3.3	6	28	66	23	O1J0330F
3.5	6	28	66	23	O1J0350F
4	6	36	74	29	O1J0400F
4.2	6	36	74	29	O1J0420F
4.5	6	36	74	29	O1J0450F
5	6	44	82	35	O1J0500F
5.5	6	44	82	35	O1J0550F
6	6	44	82	35	O1J0600F
6.3	8	53	91	43	O1J0630F
6.5	8	53	91	43	O1J0650F
6.8	8	53	91	43	O1J0680F
7	8	53	91	43	O1J0700F
7.5	8	53	91	43	O1J0750F
8	8	53	91	43	O1J0800F
8.5	10	61	103	49	O1J0850F
9	10	61	103	49	O1J0900F
9.5	10	61	103	49	O1J0950F
10	10	61	103	49	O1J1000F
10.2	10.2	71	118	56	O1J1020F
10.5	10.5	71	118	56	O1J1050F
11	11	71	118	56	O1J1100F
11.5	11.5	71	118	56	O1J1150F
12	12	71	118	56	O1J1200F
12.5	12.5	77	124	60	O1J1250F
12.7	12.7	77	124	60	O1J1270F
13	13	77	124	60	O1J1300F
13.5	13.5	77	124	60	O1J1350F
14	14	77	124	60	O1J1400F

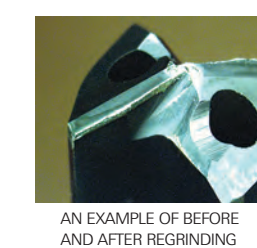
DEPTH = Maximum drilling depth
For uncoated, denote code excluding "F"
DIN 6539

OCJ
Coolant Feed Solid Carbide Jobber Drills
DIN 6537L, COATED

d	d1	l2	l1	DEPTH	CODE
6.5	6	44	82	35	OCJ0650F
6.3	8	53	91	43	OCJ0630F
6.5	8	53	91	43	OCJ0650F
6.8	8	53	91	43	OCJ0680F
7	8	53	91	43	OCJ0700F
7.5	8	53	91	43	OCJ0750F
8	8	53	91	43	OCJ0800F
8.5	10	61	103	49	OCJ0850F
9	10	61	103	49	OCJ0900F
9.5	10	61	103	49	OCJ0950F
10	10	61	103	49	OCJ1000F
10.2	10.2	71	118	56	OCJ1020F
10.5	10.5	71	118	56	OCJ1050F
11	11	71	118	56	OCJ1100F
11.5	11.5	71	118	56	OCJ1150F
12	12	71	118	56	OCJ1200F
12.5	12.5	77	124	60	OCJ1250F
12.7	12.7	77	124	60	OCJ1270F
13	13	77	124	60	OCJ1300F
13.5	13.5	77	124	60	OCJ1350F
14	14	77	124	60	OCJ1400F

DEPTH = Maximum drilling depth
For uncoated, denote code excluding "F"
* Available on request

State-of-the-art CNC grinding and high performance Balzers BALINIT® thin film PVD coatings



AN EXAMPLE OF BEFORE AND AFTER REGRINDING

Regrind Services

Solid carbide tooling is manufactured using micrograin carbide as standard, ground to a microfinish on state-of-the-art CNC grinding machines, and then surface coated in our Balzers PVD coating plant.

Somta offers a cost effective value-added service of regrinding of any used carbide tooling, either standard or special form. This enables lower machining costs over the life of the solid carbide tool, with enhanced tool performance.



Coating and Recoating Services

Coupled to the solid carbide cutting tool regrind service, Somta also offers a recoating service, using its range of high performance Balzers BALINIT® thin film PVD coatings to further improve performance of original and reground carbide cutting tools.

The material and properties of the coating used is best matched to solid carbide cutting tool substrate material allowing the coated solid carbide tool to be successfully employed under the extreme conditions of hard machining and typically permits much faster and more economical machining of dies.

FOR FURTHER TECHNICAL INFORMATION ON REGRINDING AND COATING SERVICES

Tel: +27 33 355 6600 · Email: tech@somta.co.za

Somta has integrated a state of the art Walter Helicheck Basic 3 into its quality check management process. The Walter Helicheck is a 4-axis CNC measuring machine for non-contact complete measurement of rotationally symmetrical precision tools with complex geometry.

Manufacturers & Suppliers of Drills, Reamers, End Mills, Bore Cutters, Taps & Dies, Toolbits, Solid Carbide Tooling, Carbide Insert Tooling, Custom Tools and Surface Coatings

Head Office and Surface Coating Division
Somta House, 290-294 Moses Mabhidla (Edendale) Road, Pietermaritzburg, 3201
Private Bag X401, Pietermaritzburg, 3200
South Africa

Tel: Factory: +27 33 355 6600
Fax: Factory: +27 33 394 0564
Tel: Sales: +27 11 390 8700 (Local)
Fax: Sales: +27 11 397 6720/1 (Local)
Email: jhbsales@somta.co.za (Local)
Tel: Sales: +27 33 355 6600 (Exports)
Fax: Sales: +27 33 394 7509 (Exports)
Email: exports@somta.co.za (Exports)

Gauteng Sales Office
43 Bisset Road, Hughes Ext. 7, Boksburg, 1459
P.O.Box 14212, Witfield, 1467
South Africa

Tel: +27 11 390 8700
Fax: +27 11 397 6720/1
Sharecall: 086 010 4367
Email: jhbsales@somta.co.za

Technical Information:
Email: tech@somta.co.za
Toll Free Number: 0800 331 399



<http://app.somta.co.za>



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shaping your dreams



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Solid Carbide Tooling Standard Range for Optimised CNC Machining

Somta's Solid Carbide Tooling Standard Range is a comprehensive family of solid carbide stub and jobber length drills, 2 and 4 flute end mills and ball nose end mills, in both regular and long series.

This Somta carbide tooling range is manufactured from high grade micrograin tungsten carbide, with a physical vapour deposition (PVD) Balzers coated and uncoated version as standard. The combination of solid tungsten carbide substrate with thin film PVD surface coatings, gives significant benefits with vastly improved cycle times on a broad range of work materials.

This range of tooling is most suited to CNC applications, particularly when machining hard and abrasive materials, or when used on softer materials like fibreglass, brass and plastics. For specialised production applications, Somta is able to design and manufacture custom tooling to customer specifications.

Somta solid carbide tooling guarantees higher feed rates, superior surface finish and longer tool life, with the added value of local regrinding and recoating services.



SOLID CARBIDE TOOLING STANDARD RANGE

SOLID CARBIDE TOOLING STANDARD RANGE

YEAR OF PRINT: 2019

