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Watch the innovations video:
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<http://goo.gl/1QxzVC>

_ TOOL INNOVATIONS IN DRILLING

**Visibly different,
clearly leading the way.**

Product innovations
Edition 2015-1

Drilling



Walter Titex DC170: Drilling in a new dimension – visibly different and measurably stronger.

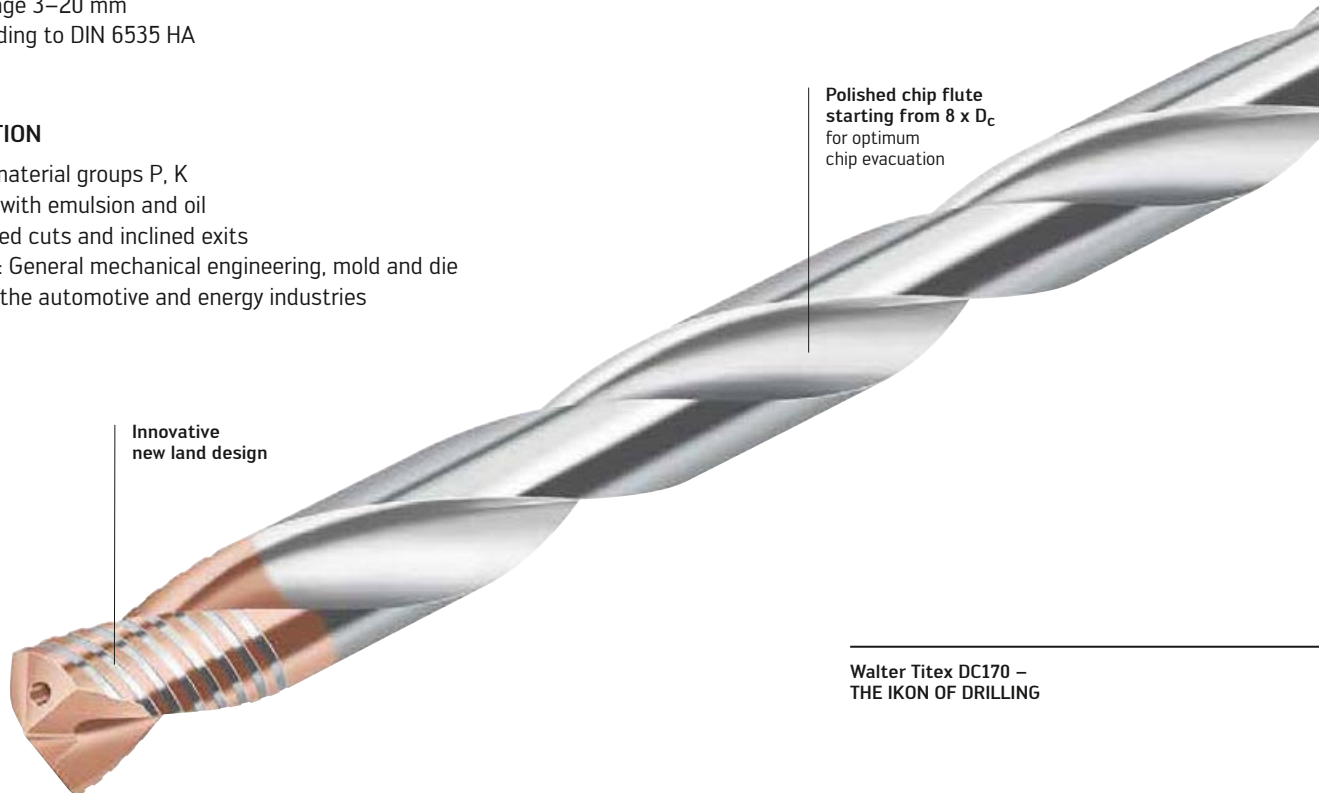


THE TOOL

- Solid carbide high-performance drill with through coolant
- Grade: WJ30EJ, K30F, Tinal/AlCrN multilayer
- Dimensions:
 - **NEW:** $3 \times D_c$ (in accordance with DIN 6537 short)
 - **NEW:** $5 \times D_c$ (in accordance with DIN 6537 long)
 - **NEW:** $8 \times D_c$
 - **NEW:** $12 \times D_c$
 - $16 \times D_c$
 - $20 \times D_c$
- Diameter range 3–20 mm
- Shank according to DIN 6535 HA

THE APPLICATION

- For the ISO material groups P, K
- Can be used with emulsion and oil
- For interrupted cuts and inclined exits
- Areas of use: General mechanical engineering, mold and die making, and the automotive and energy industries



Walter Titex DC170 – THE IKON OF DRILLING

BENEFITS FOR YOU

- Increase in productivity due to 50% longer tool life, with 35% higher workpiece values – in comparison to conventional solid carbide drills
- Improvement in component quality due to the drill being continuously guided at the circumference
- Reduction of production costs through optimum use of the tool: The number of grooves indicates the condition of the drill
- Polished chip flutes guarantee reliable chip removal



Watch the product video:
Scan this QR code or go directly to
<http://goo.gl/ofdMcl>



Shank
DIN 6535 HA



NEW: 3 × D_c



NEW: 5 × D_c



NEW: 8 × D_c



NEW: 12 × D_c

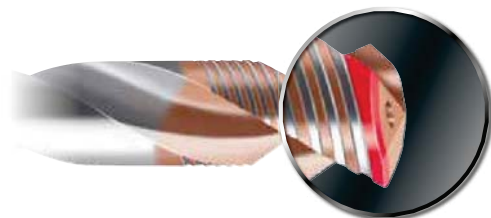


16 × D_c

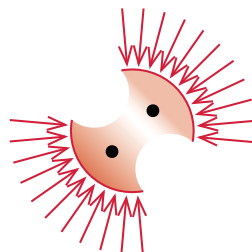


20 × D_c

Product range: DC170



Maximum carbide mass for maximum process reliability



Continuous guidance for excellent component quality



360° coolant coverage for maximum cooling

Here's what cost efficiency can look like: The regrinding scale



Walter Titex DC150: Flexible in use and very wear-resistant.

NEW TO THE
RANGE FOR
2015

THE TOOL

- Solid carbide twist drill
- Grade: WJ30RE, K30F, TiAlN
- 140° tip angle
- Dimensions in accordance with
 - DIN 6537 short $3 \times D_c$ without internal coolant
 - DIN 6537 long $5 \times D_c$ with internal coolant
- Diameter range 3–20 mm
- Shank in accordance with DIN 6535 HA and HE

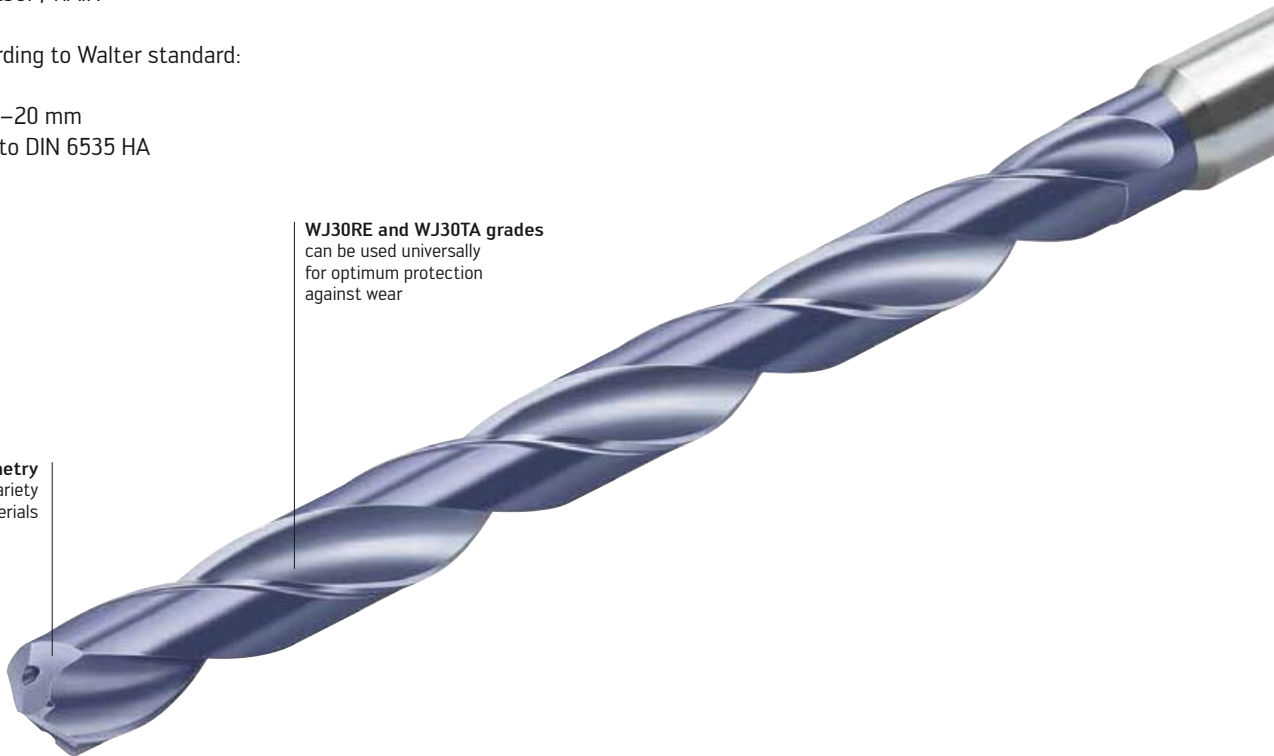
- **NEW:** $8 \times D_c$ with internal coolant
- Grade: WJ30TA, K30F, TiAlN
- 140° tip angle
- Dimensions according to Walter standard:
 - $8 \times D_c$
- Diameter range 3–20 mm
- Shank according to DIN 6535 HA

THE APPLICATION

- For the ISO material groups P, M, K, N, S, H, O
- Can be used with oil and emulsion
- Areas of use: General mechanical engineering, mold and die making, and the energy and automotive industries

140° point geometry
for universal use on a variety
of different materials

WJ30RE and WJ30TA grades
can be used universally
for optimum protection
against wear



BENEFITS FOR YOU

- Universal in its use on all materials
- Shank variants for all adaptors typically used in drilling such as: Whistle Notch toolholders, hydraulic expansion chucks, collet chucks, shrink-fit chucks and power clamping chucks
- Cost-efficient machining of small and medium batch sizes

Walter Titex Perform

The new Walter Perform product line

All Walter tools are characterised by maximum precision and process reliability. You can create real added value by finding a product range which precisely meets all of your requirements. The tools in the Perform line help you to ensure excellent

profitability and cover an impressively wide range of applications. They are ideal for use with a wide variety materials, for processing small and medium batch sizes.



DIN 6537 short, $3 \times D_c$ without internal coolant



DIN 6535 HA



DIN 6535 HE

DIN 6537 long, $5 \times D_c$ with internal coolant



DIN 6535 HA



DIN 6535 HE

Walter standard $8 \times D_c$ with internal coolant



NEW: DIN 6535 HA

Product range: DC150

Walter Titex DB133 – precise down to the smallest detail.

**NEW
2015**

THE TOOL

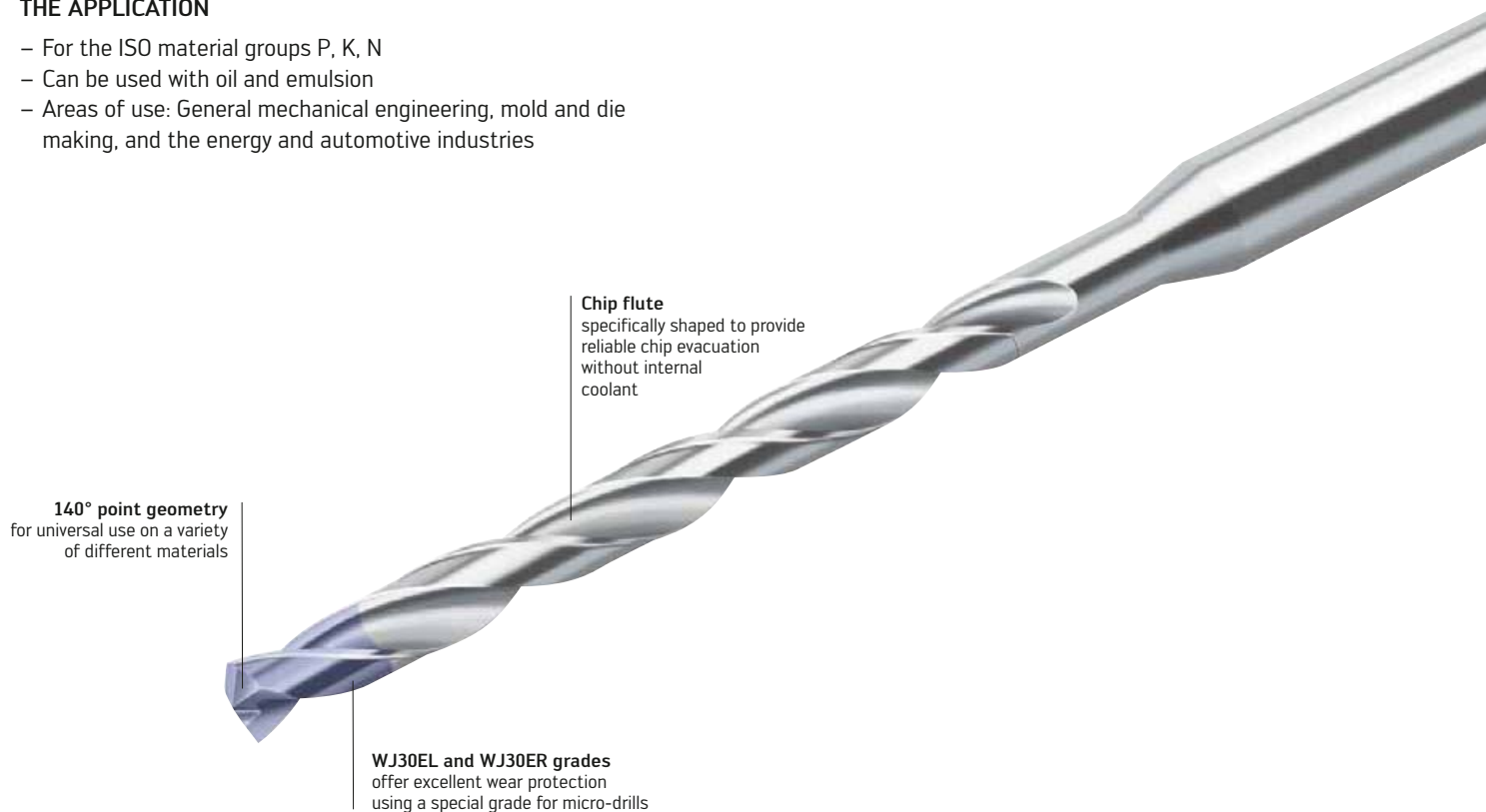
- Solid carbide micro twist drill
- Grades:
 - WJ30EL, K30F, AlCrN
 - WJ30ER, K30F, AlCrN
- 140° tip angle
- Dimensions according to Walter standard:
 - $5 \times D_c$
 - $8 \times D_c$
- Diameter range 0.5–2.95 mm
- Shank according to DIN 6535 HA

THE APPLICATION

- For the ISO material groups P, K, N
- Can be used with oil and emulsion
- Areas of use: General mechanical engineering, mold and die making, and the energy and automotive industries

BENEFITS FOR YOU

- Maximum process reliability combined with minimal dimensions
- Optimised geometry for maximum stability
- Excellent surface finish quality on the component thanks to the adapted preparation of the cutting edges on the drill
- Can be used with oil and emulsion
- Regrindable to a diameter of 2 mm





Shank
DIN 6535 HA



Watch the product video:
Scan this QR code or go directly to
<http://goo.gl/gclUs88>

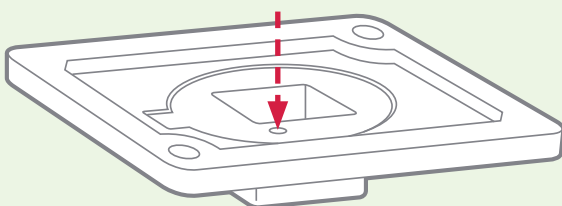


WJ30EL grade 5 × D_c



WJ30ER grade 8 × D_c

Drill camera housing feed-through hole

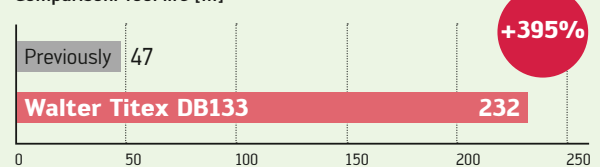


Material: AISI12; 3.2583
Tool: DB133-08-00.600A0-WJ30ER
Diameter of 0.6 mm

Cutting data:

	Previously	DB133
v_c	55 m/min	55 m/min
n	29 000 mm ⁻¹	29 000 mm ⁻¹
f	0.02 mm/rev	0.02 mm/rev
v_f	580 mm/min	580 mm/min

Comparison: Tool life [m]



Walter Titex XD drilling technology: High-precision in one operation up to 70 x D_C.

NEW TO THE
RANGE FOR
2015



THE TOOL

- Solid carbide high-performance drill with internal cooling
- TTP tip coating
- Dimensions
 - 40 x D_C **NEW**: from Ø 3 mm
 - 50 x D_C **NEW**: from Ø 3 mm
 - 60–70 x D_C as a special tool
- Diameter range 3–12 mm
- Shank according to DIN 6535 HA

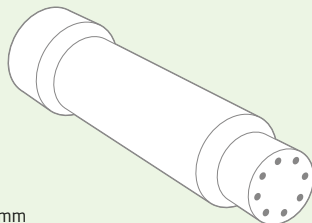
THE APPLICATION

- For the ISO material groups P, K, N (M, S)
- Can be used with emulsion and oil
- Areas of use: General mechanical engineering, mold and die making, as well as the automotive and energy industries

BENEFITS FOR YOU

- Productivity up to ten times higher in comparison to gun drills
- Drilling without pecking
- Extremely high process reliability in deep drilling operations
- Suitable for use with low coolant pressures from 20 bar
- Compatible with various material groups, including ISO P, K, N (M, S)
- Can be used for cross holes and inclined exits

Piston rod

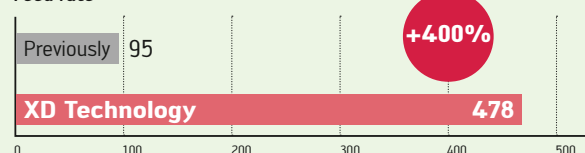


Material: St 52–3
Tool: Diameter 7 mm
Hole depth: 450 mm – 65 x D_C

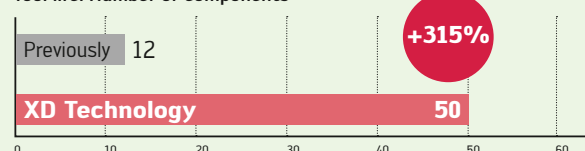
Cutting data:

	Previous Gun drill	XD70 Technology
v_c	70 m/min	70 m/min
n	3185 rpm	3185 rpm
f	0.03 mm/rev	0.15 mm/rev
v_f	95 mm/min	478 mm/min
Tool life	12 components	50 components

Feed rate



Tool life: Number of components





70 × D_C as special tool

Standard range:



NEW: X-treme D50 – 50 × D_C



NEW: X-treme D40 – 40 × D_C



Alpha[®]4 XD30 – 30 × D_C



Alpha[®]4 XD25 – 25 × D_C



Alpha[®]4 XD20 – 20 × D_C



Alpha[®]4 XD16 – 16 × D_C



Watch the product video:
Scan this QR code or go directly to
<http://goo.gl/yQB64>



Watch the product animation:
Scan this QR code or go directly to
<http://goo.gl/ZBIMm>



Regrinding and coating service: Simple, on-time and to the highest quality

With Walter Multiply, your tools will be “as good as new”

Demanding customers always expect 100% performance at all times. For us, that also includes reconditioning. Walter Multiply returns your tools to a “like new” condition. This is a step-by-step process, ranging from grinding all the way up to final coating. Tough practical deployments have shown that these reconditioned tools offer full performance. Walter Multiply is worthwhile because the service life of a tool is extended each time it is reconditioned.

Walter Multiply reconditioning is available for:

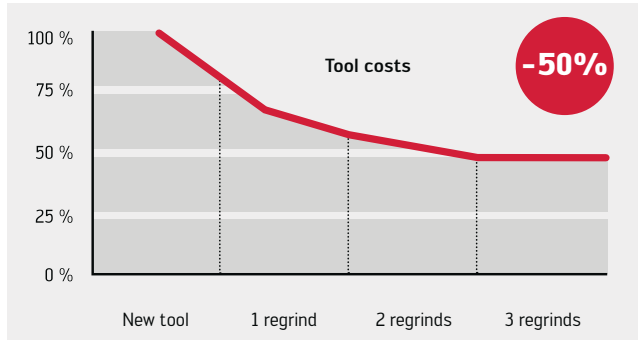
- Solid carbide drills
- XD drills
- Solid carbide milling cutters*
- Solid carbide and HSS step drills and special tools
- High-performance HSS Cobalt drills and milling cutters

Benefits for you with Walter Multiply:

- Original geometry and coating
- Certified reconditioning centres
- Stable production processes thanks to consistent tool life



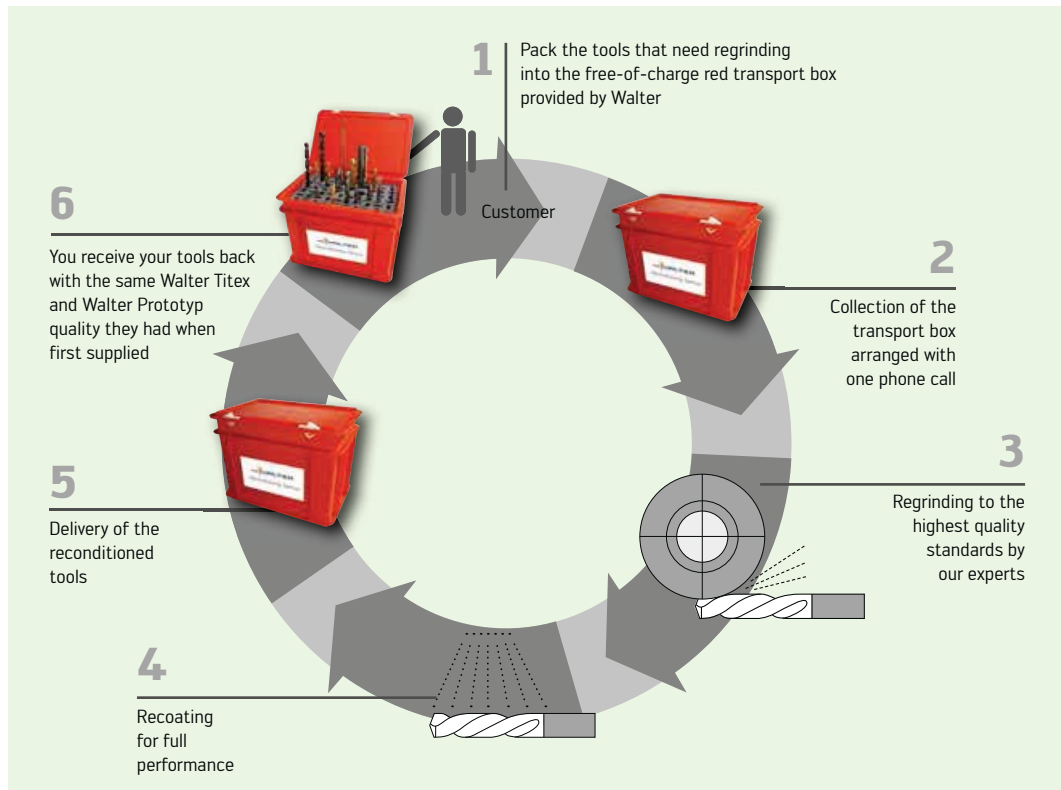
Regrinding and re-coating are well worth paying for



Memorable and extremely practical: The red Walter transport box for collecting tools is supplied and collected free of charge.



The Walter Reconditioning Service: Original quality restored in six easy steps



*Reconditioning of Walter Prototyp products is not available in all regions. For further details, please contact your local Walter representative.

Designation key for Walter Titex drilling and reaming tools

Example:

D	C	1	70	-	16	-	03.000	A	1	-	W	J	30	EJ
1	2	3	4	5	6		7	8	9		Grade			

1
Tool group
D Drilling

2
Generation

3
Tool type
1 Parallel shank drill bit

4
Tool type
33 Micro-drill
50 Universal
70 ISO P; ISO K

5
1. Delimiters
- Metric
· Inch

6
Drilling depth
03 ~3 x D _c in accordance with DIN 6537 short
05 ~5 x D _c in compliance with DIN 6537 long or according to Walter standard
08 ~8 x D _c according to Walter standard
12 ~12 x D _c according to Walter standard
16 ~16 x D _c according to Walter standard
20 ~20 x D _c according to Walter standard

7
Cutting diameter

8
Shank type
A DIN 6535 HA parallel shank
F DIN 6535 HE parallel shank

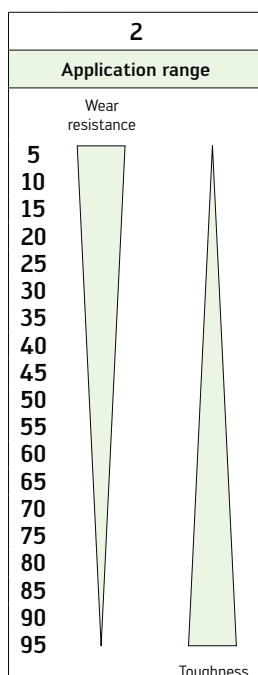
9
Cooling
0 External coolant
1 Internal coolant, supplied axially

Grade designation key for solid carbide and HSS cutting materials

Example:

W	J	30	EJ
Walter	1	2	3

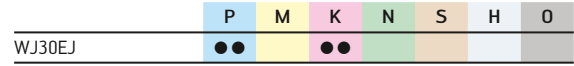
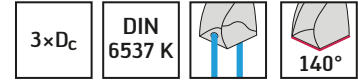
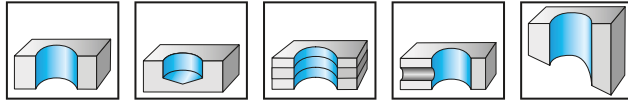
1
Substrate
VHM J
HSS



3
Coating
EJ TiAlN/AlCrN
RE TiAlN
TA TiAlN
EL AlCrN
ER AlCrN tip coating

Watch the video:
Scan this QR code or go directly to <http://goo.gl/jqW6b2>

Solid carbide drill with coolant-through Supreme DC170



Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA 	DC170-03-03.000A1-	3		14	62	20	36	6	☺
	DC170-03-03.100A1-	3,1		14	62	20	36	6	☺
	DC170-03-03.175A1-	3,175	1/8"	14	62	20	36	6	☺
	DC170-03-03.200A1-	3,2		14	62	20	36	6	☺
	DC170-03-03.300A1-	3,3		14	62	20	36	6	☺
	DC170-03-03.400A1-	3,4		14	62	20	36	6	☺
	DC170-03-03.500A1-	3,5		14	62	20	36	6	☺
	DC170-03-03.572A1-	3,572	9/64"	14	62	20	36	6	☺
	DC170-03-03.600A1-	3,6		14	62	20	36	6	☺
	DC170-03-03.700A1-	3,7		14	62	20	36	6	☺
	DC170-03-03.800A1-	3,8		17	66	24	36	6	☺
	DC170-03-03.900A1-	3,9		17	66	24	36	6	☺
	DC170-03-03.969A1-	3,969	5/32"	17	66	24	36	6	☺
	DC170-03-04.000A1-	4		17	66	24	36	6	☺
	DC170-03-04.100A1-	4,1		17	66	24	36	6	☺
	DC170-03-04.200A1-	4,2		17	66	24	36	6	☺
	DC170-03-04.300A1-	4,3		17	66	24	36	6	☺
	DC170-03-04.366A1-	4,366	11/64"	17	66	24	36	6	☺
	DC170-03-04.400A1-	4,4		17	66	24	36	6	☺
	DC170-03-04.500A1-	4,5		17	66	24	36	6	☺
	DC170-03-04.600A1-	4,6		17	66	24	36	6	☺
	DC170-03-04.650A1-	4,65		17	66	24	36	6	☺
	DC170-03-04.700A1-	4,7		17	66	24	36	6	☺
	DC170-03-04.763A1-	4,763	3/16"	20	66	28	36	6	☺
	DC170-03-04.800A1-	4,8		20	66	28	36	6	☺
	DC170-03-04.900A1-	4,9		20	66	28	36	6	☺
	DC170-03-05.000A1-	5		20	66	28	36	6	☺
	DC170-03-05.100A1-	5,1		20	66	28	36	6	☺
	DC170-03-05.159A1-	5,159	13/64"	20	66	28	36	6	☺
	DC170-03-05.200A1-	5,2		20	66	28	36	6	☺
	DC170-03-05.300A1-	5,3		20	66	28	36	6	☺
	DC170-03-05.400A1-	5,4		20	66	28	36	6	☺
	DC170-03-05.500A1-	5,5		20	66	28	36	6	☺
	DC170-03-05.550A1-	5,55		20	66	28	36	6	☺
	DC170-03-05.556A1-	5,556	7/32"	20	66	28	36	6	☺
DC170-03-05.600A1-	5,6		20	66	28	36	6	☺	
DC170-03-05.700A1-	5,7		20	66	28	36	6	☺	
DC170-03-05.800A1-	5,8		20	66	28	36	6	☺	
DC170-03-05.900A1-	5,9		20	66	28	36	6	☺	
DC170-03-05.953A1-	5,953	15/64"	20	66	28	36	6	☺	
DC170-03-06.000A1-	6		20	66	28	36	6	☺	
DC170-03-06.100A1-	6,1		24	79	34	36	8	☺	
DC170-03-06.200A1-	6,2		24	79	34	36	8	☺	
DC170-03-06.300A1-	6,3		24	79	34	36	8	☺	
DC170-03-06.350A1-	6,35	1/4"	24	79	34	36	8	☺	

Ordering example for the WJ30EJ grade: DC170-03-03.000A1-WJ30EJ

☺ ☺ ☺ New addition to the product range

Continued



Continued

Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA 	DC170-03-06.400A1-	6,4		24	79	34	36	8	☺☺☺
	DC170-03-06.500A1-	6,5		24	79	34	36	8	☺☺☺
	DC170-03-06.600A1-	6,6		24	79	34	36	8	☺☺☺
	DC170-03-06.700A1-	6,7		24	79	34	36	8	☺☺☺
	DC170-03-06.747A1-	6,747	17/64"	24	79	34	36	8	☺☺☺
	DC170-03-06.800A1-	6,8		24	79	34	36	8	☺☺☺
	DC170-03-06.900A1-	6,9		24	79	34	36	8	☺☺☺
	DC170-03-07.000A1-	7		24	79	34	36	8	☺☺☺
	DC170-03-07.100A1-	7,1		29	79	41	36	8	☺☺☺
	DC170-03-07.144A1-	7,144	9/32"	29	79	41	36	8	☺☺☺
	DC170-03-07.200A1-	7,2		29	79	41	36	8	☺☺☺
	DC170-03-07.300A1-	7,3		29	79	41	36	8	☺☺☺
	DC170-03-07.400A1-	7,4		29	79	41	36	8	☺☺☺
	DC170-03-07.500A1-	7,5		29	79	41	36	8	☺☺☺
	DC170-03-07.541A1-	7,541	19/64"	29	79	41	36	8	☺☺☺
	DC170-03-07.800A1-	7,8		29	79	41	36	8	☺☺☺
	DC170-03-07.900A1-	7,9		29	79	41	36	8	☺☺☺
	DC170-03-07.938A1-	7,938	5/16"	29	79	41	36	8	☺☺☺
	DC170-03-08.000A1-	8		29	79	41	36	8	☺☺☺
	DC170-03-08.100A1-	8,1		35	89	47	40	10	☺☺☺
	DC170-03-08.200A1-	8,2		35	89	47	40	10	☺☺☺
	DC170-03-08.300A1-	8,3		35	89	47	40	10	☺☺☺
	DC170-03-08.334A1-	8,334	21/64"	35	89	47	40	10	☺☺☺
	DC170-03-08.400A1-	8,4		35	89	47	40	10	☺☺☺
	DC170-03-08.500A1-	8,5		35	89	47	40	10	☺☺☺
	DC170-03-08.600A1-	8,6		35	89	47	40	10	☺☺☺
	DC170-03-08.700A1-	8,7		35	89	47	40	10	☺☺☺
	DC170-03-08.731A1-	8,731	11/32"	35	89	47	40	10	☺☺☺
	DC170-03-08.800A1-	8,8		35	89	47	40	10	☺☺☺
	DC170-03-09.000A1-	9		35	89	47	40	10	☺☺☺
	DC170-03-09.128A1-	9,128	23/64"	35	89	47	40	10	☺☺☺
	DC170-03-09.200A1-	9,2		35	89	47	40	10	☺☺☺
	DC170-03-09.300A1-	9,3		35	89	47	40	10	☺☺☺
	DC170-03-09.500A1-	9,5		35	89	47	40	10	☺☺☺
	DC170-03-09.525A1-	9,525	3/8"	35	89	47	40	10	☺☺☺
DC170-03-09.600A1-	9,6		35	89	47	40	10	☺☺☺	
DC170-03-09.700A1-	9,7		35	89	47	40	10	☺☺☺	
DC170-03-09.800A1-	9,8		35	89	47	40	10	☺☺☺	
DC170-03-09.922A1-	9,922	25/64"	35	89	47	40	10	☺☺☺	
DC170-03-10.000A1-	10		35	89	47	40	10	☺☺☺	
DC170-03-10.100A1-	10,1		40	102	55	45	12	☺☺☺	
DC170-03-10.200A1-	10,2		40	102	55	45	12	☺☺☺	
DC170-03-10.300A1-	10,3		40	102	55	45	12	☺☺☺	
DC170-03-10.319A1-	10,319	13/32"	40	102	55	45	12	☺☺☺	
DC170-03-10.400A1-	10,4		40	102	55	45	12	☺☺☺	
DC170-03-10.500A1-	10,5		40	102	55	45	12	☺☺☺	
DC170-03-10.716A1-	10,716	27/64"	40	102	55	45	12	☺☺☺	
DC170-03-10.800A1-	10,8		40	102	55	45	12	☺☺☺	
DC170-03-11.000A1-	11		40	102	55	45	12	☺☺☺	
DC170-03-11.100A1-	11,1		40	102	55	45	12	☺☺☺	
DC170-03-11.113A1-	11,113	7/16"	40	102	55	45	12	☺☺☺	
DC170-03-11.200A1-	11,2		40	102	55	45	12	☺☺☺	
DC170-03-11.500A1-	11,5		40	102	55	45	12	☺☺☺	
DC170-03-11.509A1-	11,509	29/64"	40	102	55	45	12	☺☺☺	
DC170-03-11.700A1-	11,7		40	102	55	45	12	☺☺☺	

Ordering example for the WJ30EJ grade: DC170-03-03.000A1-WJ30EJ

☺☺☺ New addition to the product range

Continued

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹☹
Poor

machining conditions

•• Primary application

• Other application

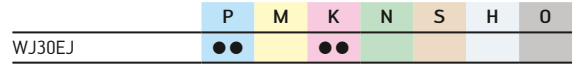
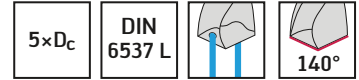
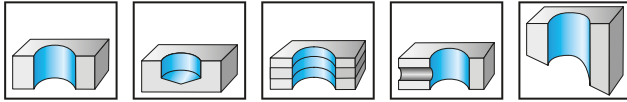
Continued

Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA 	DC170-03-11.800A1-	11,8		40	102	55	45	12	☺☹☹
	DC170-03-11.906A1-	11,906	15/32"	40	102	55	45	12	☺☹☹
	DC170-03-12.000A1-	12		40	102	55	45	12	☺☹☹
	DC170-03-12.100A1-	12,1		43	107	60	45	14	☺☹☹
	DC170-03-12.200A1-	12,2		43	107	60	45	14	☺☹☹
	DC170-03-12.300A1-	12,3		43	107	60	45	14	☺☹☹
	DC170-03-12.303A1-	12,303	31/64"	43	107	60	45	14	☺☹☹
	DC170-03-12.500A1-	12,5		43	107	60	45	14	☺☹☹
	DC170-03-12.600A1-	12,6		43	107	60	45	14	☺☹☹
	DC170-03-12.700A1-	12,7	1/2"	43	107	60	45	14	☺☹☹
	DC170-03-13.000A1-	13		43	107	60	45	14	☺☹☹
	DC170-03-13.300A1-	13,3		43	107	60	45	14	☺☹☹
	DC170-03-13.494A1-	13,494	17/32"	43	107	60	45	14	☺☹☹
	DC170-03-13.500A1-	13,5		43	107	60	45	14	☺☹☹
	DC170-03-14.000A1-	14		43	107	60	45	14	☺☹☹
	DC170-03-14.288A1-	14,288	9/16"	45	115	65	48	16	☺☹☹
	DC170-03-14.500A1-	14,5		45	115	65	48	16	☺☹☹
	DC170-03-15.000A1-	15		45	115	65	48	16	☺☹☹
	DC170-03-15.500A1-	15,5		45	115	65	48	16	☺☹☹
	DC170-03-15.875A1-	15,875	5/8"	45	115	65	48	16	☺☹☹
DC170-03-16.000A1-	16		45	115	65	48	16	☺☹☹	
DC170-03-16.500A1-	16,5		51	123	73	48	18	☺☹☹	
DC170-03-17.000A1-	17		51	123	73	48	18	☺☹☹	
DC170-03-17.500A1-	17,5		51	123	73	48	18	☺☹☹	
DC170-03-18.000A1-	18		51	123	73	48	18	☺☹☹	
DC170-03-19.050A1-	19,05	3/4"	55	131	79	50	20	☺☹☹	
DC170-03-20.000A1-	20		55	131	79	50	20	☺☹☹	

Ordering example for the WJ30EJ grade: DC170-03-03.000A1-WJ30EJ

New addition to the product range

Solid carbide drill with coolant-through Supreme DC170



Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA									
	DC170-05-03.000A1-	3		22	66	28	36	6	☺☺☺
	DC170-05-03.100A1-	3,1		22	66	28	36	6	☺☺☺
	DC170-05-03.175A1-	3,175	1/8"	22	66	28	36	6	☺☺☺
	DC170-05-03.200A1-	3,2		22	66	28	36	6	☺☺☺
	DC170-05-03.300A1-	3,3		22	66	28	36	6	☺☺☺
	DC170-05-03.400A1-	3,4		22	66	28	36	6	☺☺☺
	DC170-05-03.500A1-	3,5		22	66	28	36	6	☺☺☺
	DC170-05-03.572A1-	3,572	9/64"	22	66	28	36	6	☺☺☺
	DC170-05-03.600A1-	3,6		22	66	28	36	6	☺☺☺
	DC170-05-03.700A1-	3,7		22	66	28	36	6	☺☺☺
	DC170-05-03.800A1-	3,8		28	74	36	36	6	☺☺☺
	DC170-05-03.900A1-	3,9		28	74	36	36	6	☺☺☺
	DC170-05-03.969A1-	3,969	5/32"	28	74	36	36	6	☺☺☺
	DC170-05-04.000A1-	4		28	74	36	36	6	☺☺☺
	DC170-05-04.100A1-	4,1		28	74	36	36	6	☺☺☺
	DC170-05-04.200A1-	4,2		28	74	36	36	6	☺☺☺
	DC170-05-04.300A1-	4,3		28	74	36	36	6	☺☺☺
	DC170-05-04.366A1-	4,366	11/64"	28	74	36	36	6	☺☺☺
	DC170-05-04.400A1-	4,4		28	74	36	36	6	☺☺☺
	DC170-05-04.500A1-	4,5		28	74	36	36	6	☺☺☺
	DC170-05-04.600A1-	4,6		28	74	36	36	6	☺☺☺
	DC170-05-04.650A1-	4,65		28	74	36	36	6	☺☺☺
	DC170-05-04.700A1-	4,7		28	74	36	36	6	☺☺☺
	DC170-05-04.763A1-	4,763	3/16"	35	82	44	36	6	☺☺☺
	DC170-05-04.800A1-	4,8		35	82	44	36	6	☺☺☺
	DC170-05-04.900A1-	4,9		35	82	44	36	6	☺☺☺
	DC170-05-05.000A1-	5		35	82	44	36	6	☺☺☺
	DC170-05-05.100A1-	5,1		35	82	44	36	6	☺☺☺
	DC170-05-05.159A1-	5,159	13/64"	35	82	44	36	6	☺☺☺
	DC170-05-05.200A1-	5,2		35	82	44	36	6	☺☺☺
DC170-05-05.300A1-	5,3		35	82	44	36	6	☺☺☺	
DC170-05-05.400A1-	5,4		35	82	44	36	6	☺☺☺	
DC170-05-05.500A1-	5,5		35	82	44	36	6	☺☺☺	
DC170-05-05.550A1-	5,55		35	82	44	36	6	☺☺☺	
DC170-05-05.556A1-	5,556	7/32"	35	82	44	36	6	☺☺☺	
DC170-05-05.600A1-	5,6		35	82	44	36	6	☺☺☺	
DC170-05-05.700A1-	5,7		35	82	44	36	6	☺☺☺	
DC170-05-05.800A1-	5,8		35	82	44	36	6	☺☺☺	
DC170-05-05.900A1-	5,9		35	82	44	36	6	☺☺☺	
DC170-05-05.953A1-	5,953	15/64"	35	82	44	36	6	☺☺☺	
DC170-05-06.000A1-	6		35	82	44	36	6	☺☺☺	

Ordering example for the WJ30EJ grade: DC170-05-03.000A1-WJ30EJ

☺☺☺ New addition to the product range

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹☹
Poor

machining conditions

•• Primary application

• Other application

Continued



Continued

Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA 	DC170-05-06.100A1-	6,1		42	91	53	36	8	☺☺☺
	DC170-05-06.200A1-	6,2		42	91	53	36	8	☺☺☺
	DC170-05-06.300A1-	6,3		42	91	53	36	8	☺☺☺
	DC170-05-06.350A1-	6,35	1/4"	42	91	53	36	8	☺☺☺
	DC170-05-06.400A1-	6,4		42	91	53	36	8	☺☺☺
	DC170-05-06.500A1-	6,5		42	91	53	36	8	☺☺☺
	DC170-05-06.600A1-	6,6		42	91	53	36	8	☺☺☺
	DC170-05-06.700A1-	6,7		42	91	53	36	8	☺☺☺
	DC170-05-06.747A1-	6,747	17/64"	42	91	53	36	8	☺☺☺
	DC170-05-06.800A1-	6,8		42	91	53	36	8	☺☺☺
	DC170-05-06.900A1-	6,9		42	91	53	36	8	☺☺☺
	DC170-05-07.000A1-	7		42	91	53	36	8	☺☺☺
	DC170-05-07.100A1-	7,1		41	91	53	36	8	☺☺☺
	DC170-05-07.144A1-	7,144	9/32"	41	91	53	36	8	☺☺☺
	DC170-05-07.200A1-	7,2		41	91	53	36	8	☺☺☺
	DC170-05-07.300A1-	7,3		41	91	53	36	8	☺☺☺
	DC170-05-07.400A1-	7,4		41	91	53	36	8	☺☺☺
	DC170-05-07.500A1-	7,5		41	91	53	36	8	☺☺☺
	DC170-05-07.541A1-	7,541	19/64"	41	91	53	36	8	☺☺☺
	DC170-05-07.800A1-	7,8		41	91	53	36	8	☺☺☺
	DC170-05-07.900A1-	7,9		41	91	53	36	8	☺☺☺
	DC170-05-07.938A1-	7,938	5/16"	41	91	53	36	8	☺☺☺
	DC170-05-08.000A1-	8		41	91	53	36	8	☺☺☺
	DC170-05-08.100A1-	8,1		46	103	61	40	10	☺☺☺
	DC170-05-08.200A1-	8,2		46	103	61	40	10	☺☺☺
	DC170-05-08.300A1-	8,3		46	103	61	40	10	☺☺☺
	DC170-05-08.334A1-	8,334	21/64"	46	103	61	40	10	☺☺☺
	DC170-05-08.400A1-	8,4		46	103	61	40	10	☺☺☺
	DC170-05-08.500A1-	8,5		46	103	61	40	10	☺☺☺
	DC170-05-08.600A1-	8,6		46	103	61	40	10	☺☺☺
	DC170-05-08.700A1-	8,7		46	103	61	40	10	☺☺☺
	DC170-05-08.731A1-	8,731	11/32"	46	103	61	40	10	☺☺☺
	DC170-05-08.800A1-	8,8		46	103	61	40	10	☺☺☺
	DC170-05-09.000A1-	9		46	103	61	40	10	☺☺☺
	DC170-05-09.128A1-	9,128	23/64"	46	103	61	40	10	☺☺☺
	DC170-05-09.200A1-	9,2		46	103	61	40	10	☺☺☺
	DC170-05-09.300A1-	9,3		46	103	61	40	10	☺☺☺
	DC170-05-09.500A1-	9,5		46	103	61	40	10	☺☺☺
	DC170-05-09.525A1-	9,525	3/8"	46	103	61	40	10	☺☺☺
	DC170-05-09.600A1-	9,6		46	103	61	40	10	☺☺☺
	DC170-05-09.700A1-	9,7		46	103	61	40	10	☺☺☺
	DC170-05-09.800A1-	9,8		46	103	61	40	10	☺☺☺
	DC170-05-09.900A1-	9,9		46	103	61	40	10	☺☺☺
	DC170-05-09.922A1-	9,922	25/64"	46	103	61	40	10	☺☺☺
	DC170-05-10.000A1-	10		46	103	61	40	10	☺☺☺
DC170-05-10.100A1-	10,1		53	118	71	45	12	☺☺☺	
DC170-05-10.200A1-	10,2		53	118	71	45	12	☺☺☺	
DC170-05-10.300A1-	10,3		53	118	71	45	12	☺☺☺	
DC170-05-10.319A1-	10,319	13/32"	53	118	71	45	12	☺☺☺	
DC170-05-10.400A1-	10,4		53	118	71	45	12	☺☺☺	
DC170-05-10.500A1-	10,5		53	118	71	45	12	☺☺☺	
DC170-05-10.716A1-	10,716	27/64"	53	118	71	45	12	☺☺☺	
DC170-05-10.800A1-	10,8		53	118	71	45	12	☺☺☺	
DC170-05-11.000A1-	11		53	118	71	45	12	☺☺☺	
DC170-05-11.100A1-	11,1		53	118	71	45	12	☺☺☺	
DC170-05-11.113A1-	11,113	7/16"	53	118	71	45	12	☺☺☺	
DC170-05-11.200A1-	11,2		53	118	71	45	12	☺☺☺	
DC170-05-11.500A1-	11,5		53	118	71	45	12	☺☺☺	
DC170-05-11.509A1-	11,509	29/64"	53	118	71	45	12	☺☺☺	

Ordering example for the WJ30EJ grade: DC170-05-03.000A1-WJ30EJ

New addition to the product range

Continued

Continued

Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA 	DC170-05-11.700A1-	11,7		53	118	71	45	12	☺
	DC170-05-11.800A1-	11,8		53	118	71	45	12	☺
	DC170-05-11.906A1-	11,906	15/32"	53	118	71	45	12	☺
	DC170-05-12.000A1-	12		53	118	71	45	12	☺
	DC170-05-12.100A1-	12,1		63	124	77	45	14	☺
	DC170-05-12.200A1-	12,2		63	124	77	45	14	☺
	DC170-05-12.300A1-	12,3		63	124	77	45	14	☺
	DC170-05-12.303A1-	12,303	31/64"	63	124	77	45	14	☺
	DC170-05-12.500A1-	12,5		63	124	77	45	14	☺
	DC170-05-12.600A1-	12,6		63	124	77	45	14	☺
	DC170-05-12.700A1-	12,7	1/2"	63	124	77	45	14	☺
	DC170-05-13.000A1-	13		63	124	77	45	14	☺
	DC170-05-13.300A1-	13,3		63	124	77	45	14	☺
	DC170-05-13.494A1-	13,494	17/32"	63	124	77	45	14	☺
	DC170-05-13.500A1-	13,5		63	124	77	45	14	☺
	DC170-05-14.000A1-	14		63	124	77	45	14	☺
	DC170-05-14.288A1-	14,288	9/16"	67	133	83	48	16	☺
	DC170-05-14.500A1-	14,5		67	133	83	48	16	☺
	DC170-05-15.000A1-	15		67	133	83	48	16	☺
	DC170-05-15.500A1-	15,5		67	133	83	48	16	☺
	DC170-05-15.875A1-	15,875	5/8"	67	133	83	48	16	☺
	DC170-05-16.000A1-	16		67	133	83	48	16	☺
	DC170-05-16.500A1-	16,5		75	143	93	48	18	☺
	DC170-05-17.000A1-	17		75	143	93	48	18	☺
	DC170-05-17.500A1-	17,5		75	143	93	48	18	☺
	DC170-05-18.000A1-	18		75	143	93	48	18	☺
	DC170-05-18.500A1-	18,5		81	153	101	50	20	☺
	DC170-05-19.000A1-	19		81	153	101	50	20	☺
DC170-05-19.050A1-	19,05	3/4"	81	153	101	50	20	☺	
DC170-05-20.000A1-	20		81	153	101	50	20	☺	

Ordering example for the WJ30EJ grade: DC170-05-03.000A1-WJ30EJ

☺ ☺ ☺ New addition to the product range

WALTER SELECT

Best tool for

☺
Good

☹
Average

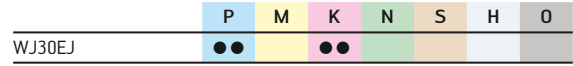
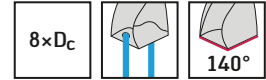
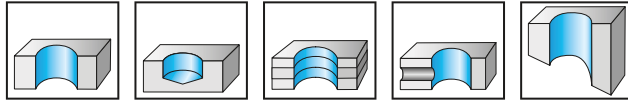
☹
Poor

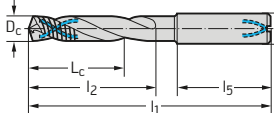
machining conditions

•• Primary application

• Other application

Solid carbide drill with coolant-through Supreme DC170



Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA 	DC170-08-03.000A1-	3		28	74	34	36	6	☺
	DC170-08-03.100A1-	3,1		28	74	34	36	6	☺
	DC170-08-03.175A1-	3,175	1/8"	28	74	34	36	6	☺
	DC170-08-03.200A1-	3,2		28	74	34	36	6	☺
	DC170-08-03.300A1-	3,3		28	74	34	36	6	☺
	DC170-08-03.400A1-	3,4		28	74	34	36	6	☺
	DC170-08-03.500A1-	3,5		28	74	34	36	6	☺
	DC170-08-03.572A1-	3,572	9/64"	28	74	34	36	6	☺
	DC170-08-03.600A1-	3,6		28	74	34	36	6	☺
	DC170-08-03.700A1-	3,7		28	74	34	36	6	☺
	DC170-08-03.800A1-	3,8		37	85	45	36	6	☺
	DC170-08-03.900A1-	3,9		37	85	45	36	6	☺
	DC170-08-03.969A1-	3,969	5/32"	37	85	45	36	6	☺
	DC170-08-04.000A1-	4		37	85	45	36	6	☺
	DC170-08-04.100A1-	4,1		37	85	45	36	6	☺
	DC170-08-04.200A1-	4,2		37	85	45	36	6	☺
	DC170-08-04.300A1-	4,3		37	85	45	36	6	☺
	DC170-08-04.366A1-	4,366	11/64"	37	85	45	36	6	☺
	DC170-08-04.400A1-	4,4		37	85	45	36	6	☺
	DC170-08-04.500A1-	4,5		37	85	45	36	6	☺
	DC170-08-04.600A1-	4,6		37	85	45	36	6	☺
	DC170-08-04.700A1-	4,7		37	85	45	36	6	☺
	DC170-08-04.763A1-	4,763	3/16"	48	97	57	36	6	☺
	DC170-08-04.800A1-	4,8		48	97	57	36	6	☺
	DC170-08-04.900A1-	4,9		48	97	57	36	6	☺
	DC170-08-05.000A1-	5		48	97	57	36	6	☺
	DC170-08-05.100A1-	5,1		48	97	57	36	6	☺
	DC170-08-05.159A1-	5,159	13/64"	48	97	57	36	6	☺
	DC170-08-05.200A1-	5,2		48	97	57	36	6	☺
	DC170-08-05.300A1-	5,3		48	97	57	36	6	☺
	DC170-08-05.400A1-	5,4		48	97	57	36	6	☺
	DC170-08-05.500A1-	5,5		48	97	57	36	6	☺
	DC170-08-05.556A1-	5,556	7/32"	48	97	57	36	6	☺
	DC170-08-05.600A1-	5,6		48	97	57	36	6	☺
DC170-08-05.700A1-	5,7		48	97	57	36	6	☺	
DC170-08-05.800A1-	5,8		48	97	57	36	6	☺	
DC170-08-05.900A1-	5,9		48	97	57	36	6	☺	
DC170-08-05.953A1-	5,953	15/64"	48	97	57	36	6	☺	
DC170-08-06.000A1-	6		48	97	57	36	6	☺	
DC170-08-06.100A1-	6,1		55	106	66	36	8	☺	
DC170-08-06.200A1-	6,2		55	106	66	36	8	☺	
DC170-08-06.300A1-	6,3		55	106	66	36	8	☺	
DC170-08-06.350A1-	6,35	1/4"	55	106	66	36	8	☺	
DC170-08-06.400A1-	6,4		55	106	66	36	8	☺	
DC170-08-06.500A1-	6,5		55	106	66	36	8	☺	

Ordering example for the WJ30EJ grade: DC170-08-03.000A1-WJ30EJ

☺ ☺ ☺ New addition to the product range

Continued



Continued

Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA 	DC170-08-06.600A1-	6,6		55	106	66	36	8	☺☺☺
	DC170-08-06.700A1-	6,7		55	106	66	36	8	☺☺☺
	DC170-08-06.747A1-	6,747	17/64"	55	106	66	36	8	☺☺☺
	DC170-08-06.800A1-	6,8		55	106	66	36	8	☺☺☺
	DC170-08-06.900A1-	6,9		55	106	66	36	8	☺☺☺
	DC170-08-07.000A1-	7		55	106	66	36	8	☺☺☺
	DC170-08-07.100A1-	7,1		64	116	76	36	8	☺☺☺
	DC170-08-07.144A1-	7,144	9/32"	64	116	76	36	8	☺☺☺
	DC170-08-07.200A1-	7,2		64	116	76	36	8	☺☺☺
	DC170-08-07.300A1-	7,3		64	116	76	36	8	☺☺☺
	DC170-08-07.400A1-	7,4		64	116	76	36	8	☺☺☺
	DC170-08-07.500A1-	7,5		64	116	76	36	8	☺☺☺
	DC170-08-07.541A1-	7,541	19/64"	64	116	76	36	8	☺☺☺
	DC170-08-07.600A1-	7,6		64	116	76	36	8	☺☺☺
	DC170-08-07.700A1-	7,7		64	116	76	36	8	☺☺☺
	DC170-08-07.800A1-	7,8		64	116	76	36	8	☺☺☺
	DC170-08-07.900A1-	7,9		64	116	76	36	8	☺☺☺
	DC170-08-07.938A1-	7,938	5/16"	64	116	76	36	8	☺☺☺
	DC170-08-08.000A1-	8		64	116	76	36	8	☺☺☺
	DC170-08-08.100A1-	8,1		80	139	95	40	10	☺☺☺
	DC170-08-08.200A1-	8,2		80	139	95	40	10	☺☺☺
	DC170-08-08.300A1-	8,3		80	139	95	40	10	☺☺☺
	DC170-08-08.334A1-	8,334	21/64"	80	139	95	40	10	☺☺☺
	DC170-08-08.400A1-	8,4		80	139	95	40	10	☺☺☺
	DC170-08-08.500A1-	8,5		80	139	95	40	10	☺☺☺
	DC170-08-08.600A1-	8,6		80	139	95	40	10	☺☺☺
	DC170-08-08.700A1-	8,7		80	139	95	40	10	☺☺☺
	DC170-08-08.731A1-	8,731	11/32"	80	139	95	40	10	☺☺☺
	DC170-08-08.800A1-	8,8		80	139	95	40	10	☺☺☺
	DC170-08-08.900A1-	8,9		80	139	95	40	10	☺☺☺
	DC170-08-09.000A1-	9		80	139	95	40	10	☺☺☺
	DC170-08-09.100A1-	9,1		80	139	95	40	10	☺☺☺
	DC170-08-09.128A1-	9,128	23/64"	80	139	95	40	10	☺☺☺
	DC170-08-09.200A1-	9,2		80	139	95	40	10	☺☺☺
	DC170-08-09.300A1-	9,3		80	139	95	40	10	☺☺☺
	DC170-08-09.400A1-	9,4		80	139	95	40	10	☺☺☺
	DC170-08-09.500A1-	9,5		80	139	95	40	10	☺☺☺
	DC170-08-09.525A1-	9,525	3/8"	80	139	95	40	10	☺☺☺
	DC170-08-09.600A1-	9,6		80	139	95	40	10	☺☺☺
	DC170-08-09.700A1-	9,7		80	139	95	40	10	☺☺☺
DC170-08-09.800A1-	9,8		80	139	95	40	10	☺☺☺	
DC170-08-09.900A1-	9,9		80	139	95	40	10	☺☺☺	
DC170-08-09.922A1-	9,922	25/64"	80	139	95	40	10	☺☺☺	
DC170-08-10.000A1-	10		80	139	95	40	10	☺☺☺	
DC170-08-10.100A1-	10,1		96	163	114	45	12	☺☺☺	
DC170-08-10.200A1-	10,2		96	163	114	45	12	☺☺☺	
DC170-08-10.300A1-	10,3		96	163	114	45	12	☺☺☺	
DC170-08-10.319A1-	10,319	13/32"	96	163	114	45	12	☺☺☺	
DC170-08-10.400A1-	10,4		96	163	114	45	12	☺☺☺	
DC170-08-10.500A1-	10,5		96	163	114	45	12	☺☺☺	
DC170-08-10.600A1-	10,6		96	163	114	45	12	☺☺☺	
DC170-08-10.700A1-	10,7		96	163	114	45	12	☺☺☺	
DC170-08-10.716A1-	10,716	27/64"	96	163	114	45	12	☺☺☺	
DC170-08-10.800A1-	10,8		96	163	114	45	12	☺☺☺	
DC170-08-10.900A1-	10,9		96	163	114	45	12	☺☺☺	

Ordering example for the WJ30EJ grade: DC170-08-03.000A1-WJ30EJ

☺☺☺ New addition to the product range

Continued

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹☹
Poor

machining conditions

•• Primary application

• Other application

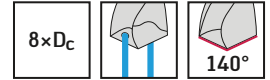
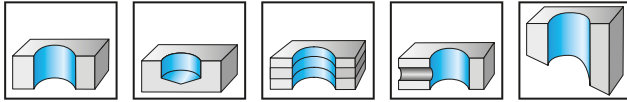
Continued

Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA 	DC170-08-11.000A1-	11		96	163	114	45	12	☺
	DC170-08-11.100A1-	11,1		96	163	114	45	12	☺
	DC170-08-11.113A1-	11,113	7/16"	96	163	114	45	12	☺
	DC170-08-11.200A1-	11,2		96	163	114	45	12	☺
	DC170-08-11.300A1-	11,3		96	163	114	45	12	☺
	DC170-08-11.400A1-	11,4		96	163	114	45	12	☺
	DC170-08-11.500A1-	11,5		96	163	114	45	12	☺
	DC170-08-11.509A1-	11,509	29/64"	96	163	114	45	12	☺
	DC170-08-11.600A1-	11,6		96	163	114	45	12	☺
	DC170-08-11.700A1-	11,7		96	163	114	45	12	☺
	DC170-08-11.800A1-	11,8		96	163	114	45	12	☺
	DC170-08-11.900A1-	11,9		96	163	114	45	12	☺
	DC170-08-11.906A1-	11,906	15/32"	96	163	114	45	12	☺
	DC170-08-12.000A1-	12		96	163	114	45	12	☺
	DC170-08-12.303A1-	12,303	31/64"	119	182	133	45	14	☺
	DC170-08-12.500A1-	12,5		119	182	133	45	14	☺
	DC170-08-12.700A1-	12,7	1/2"	119	182	133	45	14	☺
	DC170-08-13.000A1-	13		119	182	133	45	14	☺
	DC170-08-13.494A1-	13,494	17/32"	119	182	133	45	14	☺
	DC170-08-13.500A1-	13,5		119	182	133	45	14	☺
	DC170-08-14.000A1-	14		119	182	133	45	14	☺
	DC170-08-14.288A1-	14,288	9/16"	136	204	152	48	16	☺
	DC170-08-14.500A1-	14,5		136	204	152	48	16	☺
	DC170-08-15.000A1-	15		136	204	152	48	16	☺
	DC170-08-15.500A1-	15,5		136	204	152	48	16	☺
	DC170-08-15.875A1-	15,875	5/8"	136	204	152	48	16	☺
	DC170-08-16.000A1-	16		136	204	152	48	16	☺
	DC170-08-16.500A1-	16,5		153	223	171	48	18	☺
	DC170-08-17.000A1-	17		153	223	171	48	18	☺
	DC170-08-17.500A1-	17,5		153	223	171	48	18	☺
	DC170-08-18.000A1-	18		153	223	171	48	18	☺
	DC170-08-18.500A1-	18,5		170	244	190	50	20	☺
DC170-08-19.000A1-	19		170	244	190	50	20	☺	
DC170-08-19.050A1-	19,05	3/4"	170	244	190	50	20	☺	
DC170-08-19.500A1-	19,5		170	244	190	50	20	☺	
DC170-08-20.000A1-	20		170	244	190	50	20	☺	

Ordering example for the WJ30EJ grade: DC170-08-03.000A1-WJ30EJ

New addition to the product range

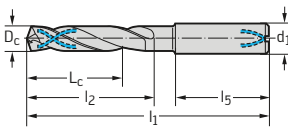
Solid carbide drill with coolant-through Perform DC150



P	M	K	N	S	H	O
●	●	●	●	●	●	●

Tool

Shank DIN 6535 HA



Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30TA
DC150-08-03.000A1-	3		28	74	34	36	6	☺☺☺
DC150-08-03.100A1-	3,1		28	74	34	36	6	☺☺☺
DC150-08-03.175A1-	3,175	1/8"	28	74	34	36	6	☺☺☺
DC150-08-03.200A1-	3,2		28	74	34	36	6	☺☺☺
DC150-08-03.300A1-	3,3		28	74	34	36	6	☺☺☺
DC150-08-03.400A1-	3,4		28	74	34	36	6	☺☺☺
DC150-08-03.500A1-	3,5		28	74	34	36	6	☺☺☺
DC150-08-03.572A1-	3,572	9/64"	28	74	34	36	6	☺☺☺
DC150-08-03.600A1-	3,6		28	74	34	36	6	☺☺☺
DC150-08-03.700A1-	3,7		28	74	34	36	6	☺☺☺
DC150-08-03.800A1-	3,8		37	85	45	36	6	☺☺☺
DC150-08-03.900A1-	3,9		37	85	45	36	6	☺☺☺
DC150-08-03.969A1-	3,969	5/32"	37	85	45	36	6	☺☺☺
DC150-08-04.000A1-	4		37	85	45	36	6	☺☺☺
DC150-08-04.100A1-	4,1		37	85	45	36	6	☺☺☺
DC150-08-04.200A1-	4,2		37	85	45	36	6	☺☺☺
DC150-08-04.300A1-	4,3		37	85	45	36	6	☺☺☺
DC150-08-04.366A1-	4,366	11/64"	37	85	45	36	6	☺☺☺
DC150-08-04.400A1-	4,4		37	85	45	36	6	☺☺☺
DC150-08-04.500A1-	4,5		37	85	45	36	6	☺☺☺
DC150-08-04.600A1-	4,6		37	85	45	36	6	☺☺☺
DC150-08-04.700A1-	4,7		37	85	45	36	6	☺☺☺
DC150-08-04.763A1-	4,7		37	85	45	36	6	☺☺☺
DC150-08-04.800A1-	4,8		48	97	57	36	6	☺☺☺
DC150-08-04.900A1-	4,9		48	97	57	36	6	☺☺☺
DC150-08-05.000A1-	5		48	97	57	36	6	☺☺☺
DC150-08-05.100A1-	5,1		48	97	57	36	6	☺☺☺
DC150-08-05.159A1-	5,159	13/64"	48	97	57	36	6	☺☺☺
DC150-08-05.200A1-	5,2		48	97	57	36	6	☺☺☺
DC150-08-05.300A1-	5,3		48	97	57	36	6	☺☺☺
DC150-08-05.400A1-	5,4		48	97	57	36	6	☺☺☺
DC150-08-05.500A1-	5,5		48	97	57	36	6	☺☺☺
DC150-08-05.556A1-	5,556	7/32"	48	97	57	36	6	☺☺☺
DC150-08-05.600A1-	5,6		48	97	57	36	6	☺☺☺
DC150-08-05.700A1-	5,7		48	97	57	36	6	☺☺☺
DC150-08-05.800A1-	5,8		48	97	57	36	6	☺☺☺
DC150-08-05.900A1-	5,9		48	97	57	36	6	☺☺☺
DC150-08-05.953A1-	5,953	15/64"	48	97	57	36	6	☺☺☺
DC150-08-06.000A1-	6		48	97	57	36	6	☺☺☺
DC150-08-06.100A1-	6,1		55	106	66	36	8	☺☺☺
DC150-08-06.200A1-	6,2		55	106	66	36	8	☺☺☺

Ordering example for the WJ30TA grade: DC150-08-03.000A1-WJ30TA

☺☺☺ New addition to the product range

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹☹
Poor

machining conditions

●● Primary application

● Other application

Continued

Continued

Tool	Designation	D _c mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30TA
Shank DIN 6535 HA 	DC150-08-06.300A1-	6,3		55	106	66	36	8	
	DC150-08-06.350A1-	6,35	1/4"	55	106	66	36	8	
	DC150-08-06.400A1-	6,4		55	106	66	36	8	
	DC150-08-06.500A1-	6,5		55	106	66	36	8	
	DC150-08-06.600A1-	6,6		55	106	66	36	8	
	DC150-08-06.700A1-	6,7		55	106	66	36	8	
	DC150-08-06.747A1-	6,747	17/64"	55	106	66	36	8	
	DC150-08-06.800A1-	6,8		55	106	66	36	8	
	DC150-08-06.900A1-	6,9		55	106	66	36	8	
	DC150-08-07.000A1-	7		55	106	66	36	8	
	DC150-08-07.100A1-	7,1		64	116	76	36	8	
	DC150-08-07.144A1-	7,144	9/32"	64	116	76	36	8	
	DC150-08-07.200A1-	7,2		64	116	76	36	8	
	DC150-08-07.300A1-	7,3		64	116	76	36	8	
	DC150-08-07.400A1-	7,4		64	116	76	36	8	
	DC150-08-07.500A1-	7,5		64	116	76	36	8	
	DC150-08-07.541A1-	7,541	19/64"	64	116	76	36	8	
	DC150-08-07.600A1-	7,6		64	116	76	36	8	
	DC150-08-07.700A1-	7,7		64	116	76	36	8	
	DC150-08-07.800A1-	7,8		64	116	76	36	8	
	DC150-08-07.900A1-	7,9		64	116	76	36	8	
	DC150-08-07.938A1-	7,938	5/16"	64	116	76	36	8	
	DC150-08-08.000A1-	8		64	116	76	36	8	
	DC150-08-08.100A1-	8,1		80	139	95	40	10	
	DC150-08-08.200A1-	8,2		80	139	95	40	10	
	DC150-08-08.300A1-	8,3		80	139	95	40	10	
	DC150-08-08.334A1-	8,334	21/64"	80	139	95	40	10	
	DC150-08-08.400A1-	8,4		80	139	95	40	10	
	DC150-08-08.500A1-	8,5		80	139	95	40	10	
	DC150-08-08.600A1-	8,6		80	139	95	40	10	
	DC150-08-08.700A1-	8,7		80	139	95	40	10	
	DC150-08-08.731A1-	8,731	11/32"	80	139	95	40	10	
	DC150-08-08.800A1-	8,8		80	139	95	40	10	
	DC150-08-08.900A1-	8,9		80	139	95	40	10	
	DC150-08-09.000A1-	9		80	139	95	40	10	
	DC150-08-09.100A1-	9,1		80	139	95	40	10	
	DC150-08-09.128A1-	9,128	23/64"	80	139	95	40	10	
	DC150-08-09.200A1-	9,2		80	139	95	40	10	
	DC150-08-09.300A1-	9,3		80	139	95	40	10	
	DC150-08-09.400A1-	9,4		80	139	95	40	10	
	DC150-08-09.500A1-	9,5		80	139	95	40	10	
	DC150-08-09.525A1-	9,525	3/8"	80	139	95	40	10	
	DC150-08-09.600A1-	9,6		80	139	95	40	10	
	DC150-08-09.700A1-	9,7		80	139	95	40	10	
	DC150-08-09.800A1-	9,8		80	139	95	40	10	
DC150-08-09.900A1-	9,9		80	139	95	40	10		
DC150-08-09.922A1-	9,922	25/64"	80	139	95	40	10		
DC150-08-10.000A1-	10		80	139	95	40	10		
DC150-08-10.100A1-	10,1		96	163	114	45	12		
DC150-08-10.200A1-	10,2		96	163	114	45	12		
DC150-08-10.300A1-	10,3		96	163	114	45	12		
DC150-08-10.319A1-	10,319	13/32"	96	163	114	45	12		
DC150-08-10.400A1-	10,4		96	163	114	45	12		
DC150-08-10.500A1-	10,5		96	163	114	45	12		
DC150-08-10.700A1-	10,7		96	163	114	45	12		
DC150-08-10.716A1-	10,716	27/64"	96	163	114	45	12		
DC150-08-10.800A1-	10,8		96	163	114	45	12		
DC150-08-10.900A1-	10,9		96	163	114	45	12		
DC150-08-11.000A1-	11		96	163	114	45	12		

Ordering example for the WJ30TA grade: DC150-08-03.000A1-WJ30TA

New addition to the product range

Continued



Continued

Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30TA
Shank DIN 6535 HA 	DC150-08-11.100A1-	11,1		96	163	114	45	12	☺☺☺
	DC150-08-11.113A1-	11,113	7/16"	96	163	114	45	12	☺☺☺
	DC150-08-11.200A1-	11,2		96	163	114	45	12	☺☺☺
	DC150-08-11.300A1-	11,3		96	163	114	45	12	☺☺☺
	DC150-08-11.500A1-	11,5		96	163	114	45	12	☺☺☺
	DC150-08-11.600A1-	11,6		96	163	114	45	12	☺☺☺
	DC150-08-11.700A1-	11,7		96	163	114	45	12	☺☺☺
	DC150-08-11.800A1-	11,8		96	163	114	45	12	☺☺☺
	DC150-08-11.900A1-	11,9		96	163	114	45	12	☺☺☺
	DC150-08-11.906A1-	11,906	15/32"	96	163	114	45	12	☺☺☺
	DC150-08-12.000A1-	12		96	163	114	45	12	☺☺☺
	DC150-08-12.303A1-	12,303	31/64"	119	182	133	45	14	☺☺☺
	DC150-08-12.500A1-	12,5		119	182	133	45	14	☺☺☺
	DC150-08-12.700A1-	12,7	1/2"	119	182	133	45	14	☺☺☺
	DC150-08-13.000A1-	13		119	182	133	45	14	☺☺☺
	DC150-08-13.494A1-	13,494	17/32"	119	182	133	45	14	☺☺☺
	DC150-08-13.500A1-	13,5		119	182	133	45	14	☺☺☺
	DC150-08-14.000A1-	14		119	182	133	45	14	☺☺☺
	DC150-08-14.288A1-	14,288	9/16"	136	204	152	48	16	☺☺☺
	DC150-08-14.500A1-	14,5		136	204	152	48	16	☺☺☺
	DC150-08-15.000A1-	15		136	204	152	48	16	☺☺☺
	DC150-08-15.500A1-	15,5		136	204	152	48	16	☺☺☺
	DC150-08-15.875A1-	15,875	5/8"	136	204	152	48	16	☺☺☺
	DC150-08-16.000A1-	16		136	204	152	48	16	☺☺☺
	DC150-08-16.500A1-	16,5		153	223	171	48	18	☺☺☺
	DC150-08-17.000A1-	17		153	223	171	48	18	☺☺☺
	DC150-08-17.500A1-	17,5		153	223	171	48	18	☺☺☺
	DC150-08-18.000A1-	18		153	223	171	48	18	☺☺☺
DC150-08-18.500A1-	18,5		170	244	190	50	20	☺☺☺	
DC150-08-19.000A1-	19		170	244	190	50	20	☺☺☺	
DC150-08-19.050A1-	19,05	3/4"	170	244	190	50	20	☺☺☺	
DC150-08-19.500A1-	19,5		170	244	190	50	20	☺☺☺	
DC150-08-20.000A1-	20		170	244	190	50	20	☺☺☺	

Ordering example for the WJ30TA grade: DC150-08-03.000A1-WJ30TA

☺☺☺ New addition to the product range

WALTER SELECT

Best tool for

☺
Good

☹
Average

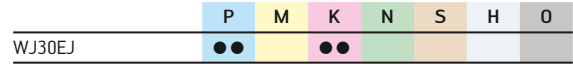
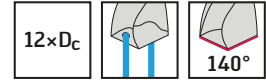
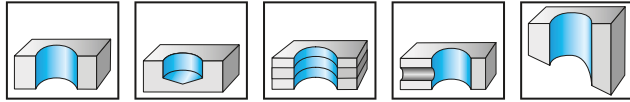
☹☹
Poor

machining conditions

•• Primary application

• Other application

Solid carbide drill with coolant-through Supreme DC170



Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA 	DC170-12-03.000A1-	3		48	92	54	36	6	☺
	DC170-12-03.100A1-	3,1		48	92	54	36	6	☺
	DC170-12-03.175A1-	3,175	1/8"	48	92	54	36	6	☺
	DC170-12-03.200A1-	3,2		48	92	54	36	6	☺
	DC170-12-03.300A1-	3,3		48	92	54	36	6	☺
	DC170-12-03.400A1-	3,4		48	92	54	36	6	☺
	DC170-12-03.500A1-	3,5		48	92	54	36	6	☺
	DC170-12-03.572A1-	3,572	9/64"	48	92	54	36	6	☺
	DC170-12-03.600A1-	3,6		48	92	54	36	6	☺
	DC170-12-03.700A1-	3,7		48	92	54	36	6	☺
	DC170-12-03.800A1-	3,8		56	102	64	36	6	☺
	DC170-12-03.900A1-	3,9		56	102	64	36	6	☺
	DC170-12-03.969A1-	3,969	5/32"	56	102	64	36	6	☺
	DC170-12-04.000A1-	4		56	102	64	36	6	☺
	DC170-12-04.100A1-	4,1		56	102	64	36	6	☺
	DC170-12-04.200A1-	4,2		56	102	64	36	6	☺
	DC170-12-04.300A1-	4,3		56	102	64	36	6	☺
	DC170-12-04.366A1-	4,366	11/64"	56	102	64	36	6	☺
	DC170-12-04.400A1-	4,4		56	102	64	36	6	☺
	DC170-12-04.500A1-	4,5		56	102	64	36	6	☺
	DC170-12-04.600A1-	4,6		56	102	64	36	6	☺
	DC170-12-04.700A1-	4,7		56	102	64	36	6	☺
	DC170-12-04.763A1-	4,763	3/16"	74	121	83	36	6	☺
	DC170-12-04.800A1-	4,8		74	121	83	36	6	☺
	DC170-12-04.900A1-	4,9		74	121	83	36	6	☺
	DC170-12-05.000A1-	5		74	121	83	36	6	☺
	DC170-12-05.100A1-	5,1		74	121	83	36	6	☺
	DC170-12-05.159A1-	5,159	13/64"	74	121	83	36	6	☺
	DC170-12-05.200A1-	5,2		74	121	83	36	6	☺
	DC170-12-05.300A1-	5,3		74	121	83	36	6	☺
	DC170-12-05.400A1-	5,4		74	121	83	36	6	☺
	DC170-12-05.500A1-	5,5		74	121	83	36	6	☺
	DC170-12-05.550A1-	5,55		74	121	83	36	6	☺
DC170-12-05.556A1-	5,556	7/32"	74	121	83	36	6	☺	
DC170-12-05.600A1-	5,6		74	121	83	36	6	☺	
DC170-12-05.700A1-	5,7		74	121	83	36	6	☺	
DC170-12-05.800A1-	5,8		74	121	83	36	6	☺	
DC170-12-05.900A1-	5,9		74	121	83	36	6	☺	
DC170-12-06.000A1-	6		74	121	83	36	6	☺	
DC170-12-06.100A1-	6,1		98	148	110	36	8	☺	
DC170-12-06.200A1-	6,2		98	148	110	36	8	☺	
DC170-12-06.300A1-	6,3		98	148	110	36	8	☺	
DC170-12-06.350A1-	6,35	1/4"	98	148	110	36	8	☺	
DC170-12-06.400A1-	6,4		98	148	110	36	8	☺	
DC170-12-06.500A1-	6,5		98	148	110	36	8	☺	

Ordering example for the WJ30EJ grade: DC170-12-03.000A1-WJ30EJ

☺☺☺ New addition to the product range

Continued



Continued

Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA 	DC170-12-06.600A1-	6,6		98	148	110	36	8	☺☺☺
	DC170-12-06.700A1-	6,7		98	148	110	36	8	☺☺☺
	DC170-12-06.747A1-	6,747	17/64"	98	148	110	36	8	☺☺☺
	DC170-12-06.800A1-	6,8		98	148	110	36	8	☺☺☺
	DC170-12-06.900A1-	6,9		98	148	110	36	8	☺☺☺
	DC170-12-07.000A1-	7		98	148	110	36	8	☺☺☺
	DC170-12-07.100A1-	7,1		98	148	110	36	8	☺☺☺
	DC170-12-07.144A1-	7,144	9/32"	98	148	110	36	8	☺☺☺
	DC170-12-07.200A1-	7,2		98	148	110	36	8	☺☺☺
	DC170-12-07.300A1-	7,3		98	148	110	36	8	☺☺☺
	DC170-12-07.400A1-	7,4		98	148	110	36	8	☺☺☺
	DC170-12-07.500A1-	7,5		98	148	110	36	8	☺☺☺
	DC170-12-07.541A1-	7,541	19/64"	98	148	110	36	8	☺☺☺
	DC170-12-07.800A1-	7,8		98	148	110	36	8	☺☺☺
	DC170-12-07.900A1-	7,9		98	148	110	36	8	☺☺☺
	DC170-12-07.938A1-	7,938	5/16"	98	148	110	36	8	☺☺☺
	DC170-12-08.000A1-	8		98	148	110	36	8	☺☺☺
	DC170-12-08.100A1-	8,1		123	180	138	40	10	☺☺☺
	DC170-12-08.200A1-	8,2		123	180	138	40	10	☺☺☺
	DC170-12-08.300A1-	8,3		123	180	138	40	10	☺☺☺
	DC170-12-08.400A1-	8,4		123	180	138	40	10	☺☺☺
	DC170-12-08.500A1-	8,5		123	180	138	40	10	☺☺☺
	DC170-12-08.600A1-	8,6		123	180	138	40	10	☺☺☺
	DC170-12-08.700A1-	8,7		123	180	138	40	10	☺☺☺
	DC170-12-08.731A1-	8,731	11/32"	123	180	138	40	10	☺☺☺
	DC170-12-08.800A1-	8,8		123	180	138	40	10	☺☺☺
	DC170-12-09.000A1-	9		123	180	138	40	10	☺☺☺
	DC170-12-09.128A1-	9,128	23/64"	123	180	138	40	10	☺☺☺
	DC170-12-09.200A1-	9,2		123	180	138	40	10	☺☺☺
	DC170-12-09.300A1-	9,3		123	180	138	40	10	☺☺☺
	DC170-12-09.500A1-	9,5		123	180	138	40	10	☺☺☺
	DC170-12-09.525A1-	9,525	3/8"	123	180	138	40	10	☺☺☺
	DC170-12-09.600A1-	9,6		123	180	138	40	10	☺☺☺
	DC170-12-09.700A1-	9,7		123	180	138	40	10	☺☺☺
	DC170-12-09.800A1-	9,8		123	180	138	40	10	☺☺☺
	DC170-12-09.922A1-	9,922	25/64"	123	180	138	40	10	☺☺☺
	DC170-12-10.000A1-	10		123	180	138	40	10	☺☺☺
	DC170-12-10.100A1-	10,1		140	206	158	45	12	☺☺☺
	DC170-12-10.200A1-	10,2		140	206	158	45	12	☺☺☺
	DC170-12-10.300A1-	10,3		140	206	158	45	12	☺☺☺
DC170-12-10.319A1-	10,319	13/32"	140	206	158	45	12	☺☺☺	
DC170-12-10.400A1-	10,4		140	206	158	45	12	☺☺☺	
DC170-12-10.500A1-	10,5		140	206	158	45	12	☺☺☺	
DC170-12-10.716A1-	10,716	27/64"	140	206	158	45	12	☺☺☺	
DC170-12-10.800A1-	10,8		140	206	158	45	12	☺☺☺	
DC170-12-11.000A1-	11		140	206	158	45	12	☺☺☺	
DC170-12-11.100A1-	11,1		140	206	158	45	12	☺☺☺	
DC170-12-11.113A1-	11,113	7/16"	140	206	158	45	12	☺☺☺	
DC170-12-11.200A1-	11,2		140	206	158	45	12	☺☺☺	
DC170-12-11.500A1-	11,5		140	206	158	45	12	☺☺☺	
DC170-12-11.509A1-	11,509	29/64"	140	206	158	45	12	☺☺☺	
DC170-12-11.700A1-	11,7		140	206	158	45	12	☺☺☺	
DC170-12-11.800A1-	11,8		140	206	158	45	12	☺☺☺	
DC170-12-11.906A1-	11,906	15/32"	140	206	158	45	12	☺☺☺	
DC170-12-12.000A1-	12		140	206	158	45	12	☺☺☺	

Ordering example for the WJ30EJ grade: DC170-12-03.000A1-WJ30EJ

☺☺☺ New addition to the product range

Continued

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹☹
Poor

machining conditions

•• Primary application

• Other application

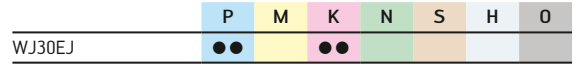
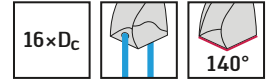
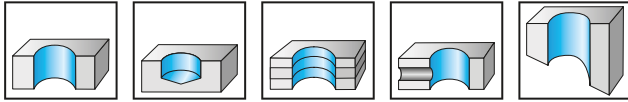
Continued

Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA 	DC170-12-12.100A1-	12,1		168	230	182	45	14	☺
	DC170-12-12.200A1-	12,2		168	230	182	45	14	☺
	DC170-12-12.300A1-	12,3		168	230	182	45	14	☺
	DC170-12-12.303A1-	12,303	31/64"	168	230	182	45	14	☺
	DC170-12-12.500A1-	12,5		168	230	182	45	14	☺
	DC170-12-12.600A1-	12,6		168	230	182	45	14	☺
	DC170-12-12.700A1-	12,7	1/2"	168	230	182	45	14	☺
	DC170-12-13.000A1-	13		168	230	182	45	14	☺
	DC170-12-13.494A1-	13,494	17/32"	168	230	182	45	14	☺
	DC170-12-13.500A1-	13,5		168	230	182	45	14	☺
	DC170-12-14.000A1-	14		168	230	182	45	14	☺
	DC170-12-14.288A1-	14,288	9/16"	192	260	208	48	16	☺
	DC170-12-14.500A1-	14,5		192	260	208	48	16	☺
	DC170-12-15.000A1-	15		192	260	208	48	16	☺
	DC170-12-15.500A1-	15,5		192	260	208	48	16	☺
	DC170-12-15.875A1-	15,875	5/8"	192	260	208	48	16	☺
	DC170-12-16.000A1-	16		192	260	208	48	16	☺
	DC170-12-16.500A1-	16,5		216	285	234	48	18	☺
	DC170-12-17.000A1-	17		216	285	234	48	18	☺
	DC170-12-17.500A1-	17,5		216	285	234	48	18	☺
DC170-12-18.000A1-	18		216	285	234	48	18	☺	
DC170-12-18.500A1-	18,5		238	310	258	50	20	☺	
DC170-12-19.000A1-	19		238	310	258	50	20	☺	
DC170-12-19.500A1-	19,5		238	310	258	50	20	☺	
DC170-12-20.000A1-	20		238	310	258	50	20	☺	

Ordering example for the WJ30EJ grade: DC170-12-03.000A1-WJ30EJ

New addition to the product range

Solid carbide drill with coolant-through Supreme DC170



Tool	Designation	D _c h7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA									
	DC170-16-03.000A1-	3		52	89	57	28	4	☺
	DC170-16-03.175A1-	3,175	1/8"	60	98	66	28	4	☺
	DC170-16-03.500A1-	3,5		72	110	78	28	4	☺
	DC170-16-03.572A1-	3,572	9/64"	72	110	78	28	4	☺
	DC170-16-03.969A1-	3,969	5/32"	72	110	78	28	4	☺
	DC170-16-04.000A1-	4		72	110	78	28	4	☺
	DC170-16-04.500A1-	4,5		93	132	100	28	5	☺
	DC170-16-04.763A1-	4,763	3/16"	92	132	100	28	5	☺
	DC170-16-04.800A1-	4,8		92	132	100	28	5	☺
	DC170-16-05.000A1-	5		92	132	100	28	5	☺
	DC170-16-05.500A1-	5,5		101	150	110	36	6	☺
	DC170-16-05.556A1-	5,556	7/32"	111	160	120	36	6	☺
	DC170-16-05.800A1-	5,8		111	160	120	36	6	☺
	DC170-16-06.000A1-	6		111	160	120	36	6	☺
	DC170-16-06.100A1-	6,1		124	175	135	36	8	☺
	DC170-16-06.350A1-	6,35	1/4"	124	175	135	36	8	☺
	DC170-16-06.500A1-	6,5		124	175	135	36	8	☺
	DC170-16-06.800A1-	6,8		124	175	135	36	8	☺
	DC170-16-07.000A1-	7		124	175	135	36	8	☺
	DC170-16-07.144A1-	7,144	9/32"	140	192	152	36	8	☺
	DC170-16-07.400A1-	7,4		140	192	152	36	8	☺
	DC170-16-07.500A1-	7,5		140	192	152	36	8	☺
	DC170-16-07.938A1-	7,938	5/16"	140	192	152	36	8	☺
	DC170-16-08.000A1-	8		140	192	152	36	8	☺
	DC170-16-08.300A1-	8,3		148	206	162	40	10	☺
DC170-16-08.500A1-	8,5		148	206	162	40	10	☺	
DC170-16-08.731A1-	8,731	11/32"	148	206	162	40	10	☺	
DC170-16-09.000A1-	9		148	206	162	40	10	☺	
DC170-16-09.525A1-	9,525	3/8"	165	224	180	40	10	☺	
DC170-16-09.800A1-	9,8		165	224	180	40	10	☺	
DC170-16-10.000A1-	10		165	224	180	40	10	☺	
DC170-16-10.200A1-	10,2		181	247	198	45	12	☺	
DC170-16-10.319A1-	10,319	13/32"	181	247	198	45	12	☺	
DC170-16-11.000A1-	11		181	247	198	45	12	☺	
DC170-16-11.113A1-	11,113	7/16"	198	265	216	45	12	☺	
DC170-16-11.500A1-	11,5		198	265	216	45	12	☺	
DC170-16-11.800A1-	11,8		198	265	216	45	12	☺	
DC170-16-11.906A1-	11,906	15/32"	198	265	216	45	12	☺	
DC170-16-12.000A1-	12		198	265	216	45	12	☺	
DC170-16-12.700A1-	12,7	1/2"	238	301	252	45	14	☺	
DC170-16-13.000A1-	13		238	301	252	45	14	☺	
DC170-16-14.000A1-	14		238	301	252	45	14	☺	
DC170-16-14.288A1-	14,288	9/16"	272	340	288	48	16	☺	

Ordering example for the WJ30EJ grade: DC170-16-03.000A1-WJ30EJ

Continued

WALTER SELECT

Best tool for

☺
Good

☹
Average

☹
Poor

machining conditions

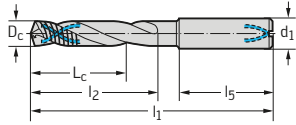
•• Primary application

• Other application



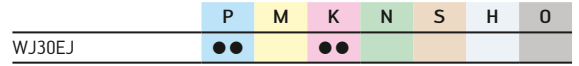
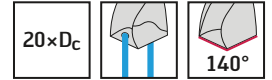
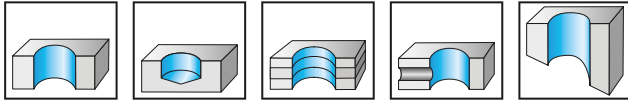
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Tool	Designation	D_c	D_c	L_c	l_1	l_2	l_5	d_1	WJ30EJ
		h7 mm	inch/no.	mm	mm	mm	mm	h6 mm	
Shank DIN 6535 HA	DC170-16-15.000A1-	15		272	340	288	48	16	
	DC170-16-16.000A1-	16		272	340	288	48	16	



Ordering example for the WJ30EJ grade: DC170-16-03.000A1-WJ30EJ

Solid carbide drill with coolant-through Supreme DC170



Tool	Designation	D _c h7 mm	D _c inch./no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA									
	DC170-20-03.000A1-	3		60	97	65	28	4	
	DC170-20-03.175A1-	3,175	1/8"	74	112	80	28	4	
	DC170-20-03.500A1-	3,5		86	124	92	28	4	
	DC170-20-03.572A1-	3,572	9/64"	86	124	92	28	4	
	DC170-20-03.969A1-	3,969	5/32"	86	124	92	28	4	
	DC170-20-04.000A1-	4		86	124	92	28	4	
	DC170-20-04.500A1-	4,5		111	150	118	28	5	
	DC170-20-04.763A1-	4,763	3/16"	110	150	118	28	5	
	DC170-20-04.800A1-	4,8		110	150	118	28	5	
	DC170-20-05.000A1-	5		110	150	118	28	5	
	DC170-20-05.500A1-	5,5		123	170	132	36	6	
	DC170-20-05.556A1-	5,556	7/32"	135	182	144	36	6	
	DC170-20-05.800A1-	5,8		135	182	144	36	6	
	DC170-20-06.000A1-	6		135	182	144	36	6	
	DC170-20-06.100A1-	6,1		151	200	162	36	8	
	DC170-20-06.350A1-	6,35	1/4"	151	200	162	36	8	
	DC170-20-06.500A1-	6,5		151	200	162	36	8	
	DC170-20-06.800A1-	6,8		151	200	162	36	8	
	DC170-20-07.000A1-	7		151	200	162	36	8	
	DC170-20-07.144A1-	7,144	9/32"	172	222	184	36	8	
	DC170-20-07.400A1-	7,4		172	222	184	36	8	
	DC170-20-07.500A1-	7,5		172	222	184	36	8	
	DC170-20-07.938A1-	7,938	5/16"	172	222	184	36	8	
	DC170-20-08.000A1-	8		172	222	184	36	8	
DC170-20-08.300A1-	8,3		184	240	198	40	10		
DC170-20-08.500A1-	8,5		184	240	198	40	10		
DC170-20-08.731A1-	8,731	11/32"	184	240	198	40	10		
DC170-20-09.000A1-	9		184	240	198	40	10		
DC170-20-09.525A1-	9,525	3/8"	205	262	220	40	10		
DC170-20-09.800A1-	9,8		205	262	220	40	10		
DC170-20-10.000A1-	10		205	262	220	40	10		
DC170-20-10.200A1-	10,2		225	289	242	45	12		
DC170-20-10.319A1-	10,319	13/32"	225	289	242	45	12		
DC170-20-11.000A1-	11		225	289	242	45	12		
DC170-20-11.113A1-	11,113	7/16"	246	311	264	45	12		
DC170-20-11.500A1-	11,5		246	311	264	45	12		
DC170-20-11.800A1-	11,8		246	311	264	45	12		
DC170-20-11.906A1-	11,906	15/32"	246	311	264	45	12		
DC170-20-12.000A1-	12		246	311	264	45	12		
DC170-20-12.700A1-	12,7	1/2"	294	357	308	45	14		
DC170-20-13.000A1-	13		294	357	308	45	14		
DC170-20-14.000A1-	14		294	357	308	45	14		
DC170-20-14.288A1-	14,288	9/16"	336	404	352	48	16		

Ordering example for the WJ30EJ grade: DC170-20-03.000A1-WJ30EJ

Continued

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

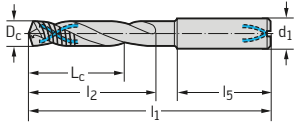
•• Primary application

• Other application



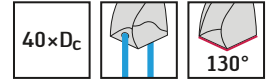
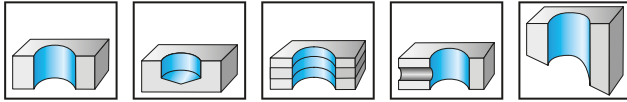
Continued

Tool	Designation	D _c h7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EJ
Shank DIN 6535 HA	DC170-20-15.000A1-	15		336	404	352	48	16	
	DC170-20-16.000A1-	16		336	404	352	48	16	



Ordering example for the WJ30EJ grade: DC170-20-03.000A1-WJ30EJ

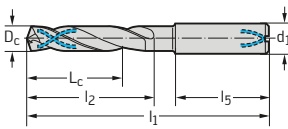
Solid carbide drill with coolant-through A7495TTP X-treme D40



TTP	P	M	K	N	S	H	O
	●●	●	●●	●●	●		

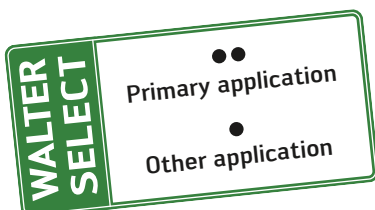
Tool

Shank DIN 6535 HA



Designation TTP	D _c e7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm
★ A7495TTP-3	3		134	172	139	28	4
★ A7495TTP-1/8IN	3,175	1/8"	134	172	139	28	4
★ A7495TTP-3.5	3,5		150	188	156	28	4
★ A7495TTP-9/64IN	3,572	9/64"	150	188	156	28	4
★ A7495TTP-5/32IN	3,969	5/32"	168	206	174	28	4
★ A7495TTP-4	4		168	206	174	28	4
A7495TTP-4.5	4,5		188	228	195	28	5
A7495TTP-3/16IN	4,763	3/16"	209	249	217	28	5
A7495TTP-4.8	4,8		209	249	217	28	5
A7495TTP-5	5		209	249	217	28	5
A7495TTP-5.5	5,5		230	279	239	36	6
A7495TTP-7/32IN	5,556	7/32"	248	297	257	36	6
A7495TTP-5.8	5,8		248	297	257	36	6
A7495TTP-6	6		248	297	257	36	6
A7495TTP-6.1	6,1		272	324	282	36	8
A7495TTP-1/4IN	6,35	1/4"	272	324	282	36	8
A7495TTP-6.5	6,5		272	324	282	36	8
A7495TTP-6.8	6,8		287	339	298	36	8
A7495TTP-7	7		287	339	298	36	8
A7495TTP-9/32IN	7,144	9/32"	313	366	325	36	8
A7495TTP-7.4	7,4		313	366	325	36	8
A7495TTP-7.5	7,5		313	366	325	36	8
A7495TTP-5/16IN	7,938	5/16"	330	382	342	36	8
A7495TTP-8	8		330	382	342	36	8
A7495TTP-8.3	8,3		356	415	369	40	10
A7495TTP-8.5	8,5		356	415	369	40	10
A7495TTP-11/32IN	8,731	11/32"	371	430	385	40	10
A7495TTP-9	9		371	430	385	40	10
A7495TTP-3/8IN	9,525	3/8"	418	477	412	40	10
A7495TTP-9.8	9,8		418	477	433	40	10
A7495TTP-10	10		418	477	433	40	10
A7495TTP-10.2	10,2		460	528	477	45	12
A7495TTP-13/32IN	10,319	13/32"	460	528	477	45	12
A7495TTP-11	11		460	528	477	45	12

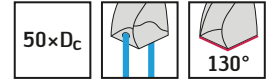
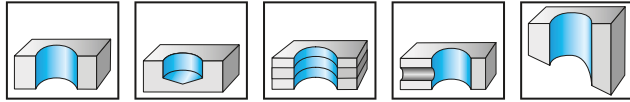
★ New addition to the product range



Solid carbide drill with coolant-through

A7595TTP

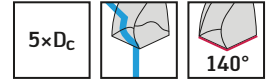
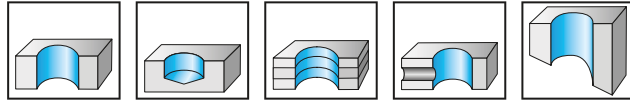
X-treme D50



Tool	Designation TTP	D _c e7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm
Shank DIN 6535 HA 	★ A7595TTP-3	3		166	204	171	28	4
	★ A7595TTP-1/8IN	3,175	1/8"	166	204	171	28	4
	★ A7595TTP-3.5	3,5		186	224	192	28	4
	★ A7595TTP-9/64IN	3,572	9/64"	186	224	192	28	4
	★ A7595TTP-5/32IN	3,969	5/32"	208	246	214	28	4
	★ A7595TTP-4	4		208	246	214	28	4
	A7595TTP-4.5	4,5		233	273	240	28	5
	A7595TTP-3/16IN	4,762	3/16"	259	299	267	28	5
	A7595TTP-4.8	4,8		259	299	267	28	5
	A7595TTP-5	5		259	299	267	28	5
	A7595TTP-5.5	5,5		285	334	294	36	6
	A7595TTP-7/32IN	5,556	7/32"	308	357	317	36	6
	A7595TTP-5.8	5,8		308	357	317	36	6
	A7595TTP-6	6		308	357	317	36	6
	A7595TTP-6.1	6,1		337	389	347	36	8
	A7595TTP-1/4IN	6,35	1/4"	337	389	347	36	8
	A7595TTP-6.5	6,5		337	389	347	36	8
	A7595TTP-6.8	6,8		357	409	368	36	8
	A7595TTP-7	7		357	409	368	36	8
	A7595TTP-9/32IN	7,144	9/32"	388	441	400	36	8
A7595TTP-7.4	7,4		388	441	400	36	8	
A7595TTP-7.5	7,5		388	441	400	36	8	
A7595TTP-5/16IN	7,938	5/16"	410	462	422	36	8	
A7595TTP-8	8		410	462	422	36	8	
A7595TTP-8.3	8,3		441	500	454	40	10	
A7595TTP-8.5	8,5		441	500	454	40	10	
A7595TTP-11/32IN	8,731	11/32"	466	525	480	40	10	
A7595TTP-9	9		466	525	480	40	10	

★ New addition to the product range

Solid carbide micro twist drill Supreme DB133



P	M	K	N	S	H	O
●	●	●	●	●	●	●

Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EL
Shank DIN 6535 HA 	DB133-05-00.500A0-	0,5		3,2	47	4	36	3	●
	DB133-05-00.550A0-	0,55		4,1	47	5	35	3	●
	DB133-05-00.600A0-	0,6		4,1	47	5	35	3	●
	DB133-05-00.650A0-	0,65		5	47	6	34	3	●
	DB133-05-00.700A0-	0,7		4,9	48	6	35	3	●
	DB133-05-00.750A0-	0,75		5,8	48	7	34	3	●
	DB133-05-00.794A0-	0,794	1/32"	5,8	48	7	34	3	●
	DB133-05-00.800A0-	0,8		5,8	48	7	34	3	●
	DB133-05-00.850A0-	0,85		6,6	50	8	35	3	●
	DB133-05-00.880A0-	0,88		6,6	50	8	35	3	●
	DB133-05-00.900A0-	0,9		6,6	50	8	35	3	●
	DB133-05-00.950A0-	0,95		7,5	50	9	34	3	●
	DB133-05-01.000A0-	1		7,5	50	9	34	3	●
	DB133-05-01.050A0-	1,05		7	51	9	36	3	●
	DB133-05-01.080A0-	1,08		7	51	9	36	3	●
	DB133-05-01.100A0-	1,1		7	51	9	36	3	●
	DB133-05-01.150A0-	1,15		8	51	10	35	3	●
	DB133-05-01.191A0-	1,191	3/64"	8	51	10	35	3	●
	DB133-05-01.200A0-	1,2		8	51	10	35	3	●
	DB133-05-01.250A0-	1,25		9	51	11	34	3	●
	DB133-05-01.300A0-	1,3		9	53	11	36	3	●
	DB133-05-01.350A0-	1,35		9	53	12	35	3	●
	DB133-05-01.400A0-	1,4		9	53	12	35	3	●
	DB133-05-01.450A0-	1,45		10	53	13	34	3	●
	DB133-05-01.500A0-	1,5		10	53	13	34	3	●
	DB133-05-01.550A0-	1,55		11	54	14	35	3	●
	DB133-05-01.588A0-	1,588	1/16"	11	54	14	35	3	●
	DB133-05-01.600A0-	1,6		11	54	14	35	3	●
	DB133-05-01.650A0-	1,65		11	54	14	35	3	●
	DB133-05-01.700A0-	1,7		11	54	14	35	3	●
	DB133-05-01.750A0-	1,75		12	54	15	34	3	●
	DB133-05-01.800A0-	1,8		12	54	15	34	3	●
	DB133-05-01.820A0-	1,82		13	57	16	36	3	●
DB133-05-01.850A0-	1,85		13	57	16	36	3	●	
DB133-05-01.900A0-	1,9		13	57	16	36	3	●	
DB133-05-01.950A0-	1,95		14	57	17	35	3	●	
DB133-05-01.984A0-	1,984	5/64"	14	57	17	35	3	●	
DB133-05-02.000A0-	2		14	57	17	35	3	●	
DB133-05-02.050A0-	2,05		14	57	18	35	3	●	
DB133-05-02.100A0-	2,1		14	57	18	35	3	●	
DB133-05-02.150A0-	2,15		15	57	19	34	3	●	

Ordering example for the WJ30EL grade: DB133-05-00.500A0-WJ30EL

●●● New addition to the product range

Continued

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

● Other application

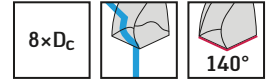
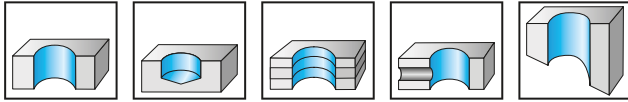
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Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30EL
Shank DIN 6535 HA 	DB133-05-02.200A0-	2,2		15	57	19	34	3	
	DB133-05-02.250A0-	2,25		16	59	20	35	3	
	DB133-05-02.300A0-	2,3		16	59	20	35	3	
	DB133-05-02.350A0-	2,35		16	59	20	35	3	
	DB133-05-02.381A0-	2,381	3/32"	16	59	20	35	3	
	DB133-05-02.400A0-	2,4		16	59	20	35	3	
	DB133-05-02.450A0-	2,45		17	59	21	34	3	
	DB133-05-02.500A0-	2,5		17	59	21	34	3	
	DB133-05-02.550A0-	2,55		18	62	22	36	3	
	DB133-05-02.600A0-	2,6		18	62	22	36	3	
	DB133-05-02.650A0-	2,65		18	62	23	36	3	
	DB133-05-02.700A0-	2,7		18	62	23	36	3	
	DB133-05-02.750A0-	2,75		19	62	24	35	3	
	DB133-05-02.778A0-	2,778	7/64"	19	62	24	35	3	
	DB133-05-02.800A0-	2,8		19	62	24	35	3	
	DB133-05-02.850A0-	2,85		20	62	25	34	3	
	DB133-05-02.900A0-	2,9		20	62	25	34	3	
	DB133-05-02.950A0-	2,95		20	62	25	34	3	

Ordering example for the WJ30EL grade: DB133-05-00.500A0-WJ30EL

New addition to the product range

Solid carbide micro twist drill Supreme DB133



P	M	K	N	S	H	O
●	●	●	●	●	●	●

Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ER
Shank DIN 6535 HA									
	DB133-08-00.500A0-	0,5		5,2	48	6	35	3	●
	DB133-08-00.600A0-	0,6		6,1	48	7	34	3	●
	DB133-08-00.700A0-	0,7		6,9	50	8	35	3	●
	DB133-08-00.750A0-	0,75		7,8	50	9	34	3	●
	DB133-08-00.794A0-	0,794	1/32"	7,8	50	9	34	3	●
	DB133-08-00.800A0-	0,8		7,8	50	9	34	3	●
	DB133-08-00.880A0-	0,88		8,6	53	10	36	3	●
	DB133-08-00.900A0-	0,9		8,6	53	10	36	3	●
	DB133-08-00.950A0-	0,95		10,5	53	12	34	3	●
	DB133-08-01.000A0-	1		10,5	53	12	34	3	●
	DB133-08-01.050A0-	1,05		11	54	13	35	3	●
	DB133-08-01.100A0-	1,1		11	54	13	35	3	●
	DB133-08-01.191A0-	1,191	3/64"	12	54	14	34	3	●
	DB133-08-01.200A0-	1,2		12	54	14	34	3	●
	DB133-08-01.250A0-	1,25		12	54	14	34	3	●
	DB133-08-01.300A0-	1,3		13	57	15	36	3	●
	DB133-08-01.350A0-	1,35		13	57	16	35	3	●
	DB133-08-01.400A0-	1,4		13	57	16	35	3	●
	DB133-08-01.450A0-	1,45		14	57	17	34	3	●
	DB133-08-01.500A0-	1,5		14	57	17	34	3	●
	DB133-08-01.550A0-	1,55		15	60	18	37	3	●
	DB133-08-01.588A0-	1,588	1/16"	15	60	18	37	3	●
	DB133-08-01.600A0-	1,6		15	60	18	37	3	●
	DB133-08-01.650A0-	1,65		17	60	20	35	3	●
	DB133-08-01.700A0-	1,7		17	60	20	35	3	●
	DB133-08-01.750A0-	1,75		18	60	21	34	3	●
	DB133-08-01.800A0-	1,8		18	60	21	34	3	●
	DB133-08-01.820A0-	1,82		19	63	22	36	3	●
	DB133-08-01.850A0-	1,85		19	63	22	36	3	●
	DB133-08-01.900A0-	1,9		19	63	22	36	3	●
DB133-08-01.950A0-	1,95		20	63	23	35	3	●	
DB133-08-01.984A0-	1,984	5/64"	20	63	23	35	3	●	
DB133-08-02.000A0-	2		20	63	23	35	3	●	
DB133-08-02.050A0-	2,05		20	63	24	35	3	●	
DB133-08-02.100A0-	2,1		20	63	24	35	3	●	
DB133-08-02.150A0-	2,15		21	63	25	34	3	●	
DB133-08-02.200A0-	2,2		21	63	25	34	3	●	
DB133-08-02.250A0-	2,25		22	67	26	37	3	●	
DB133-08-02.300A0-	2,3		22	67	26	37	3	●	
DB133-08-02.350A0-	2,35		24	67	28	35	3	●	
DB133-08-02.381A0-	2,381	3/32"	24	67	28	35	3	●	

Ordering example for the WJ30ER grade: DB133-08-00.500A0-WJ30ER

●●● New addition to the product range

Continued

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

● Other application

Continued

Tool	Designation	D _c m7 mm	D _c inch/no.	L _c mm	l ₁ mm	l ₂ mm	l ₅ mm	d ₁ h6 mm	WJ30ER
Shank DIN 6535 HA 	DB133-08-02.400A0-	2,4		24	67	28	35	3	
	DB133-08-02.450A0-	2,45		25	67	29	34	3	
	DB133-08-02.500A0-	2,5		25	67	29	34	3	
	DB133-08-02.550A0-	2,55		26	71	30	37	3	
	DB133-08-02.600A0-	2,6		26	71	30	37	3	
	DB133-08-02.650A0-	2,65		26	71	31	37	3	
	DB133-08-02.700A0-	2,7		26	71	31	37	3	
	DB133-08-02.750A0-	2,75		27	71	32	36	3	
	DB133-08-02.778A0-	2,778	7/64"	27	71	32	36	3	
	DB133-08-02.800A0-	2,8		27	71	32	36	3	
	DB133-08-02.850A0-	2,85		28	71	33	35	3	
	DB133-08-02.900A0-	2,9		28	71	33	35	3	
	DB133-08-02.950A0-	2,95		29	71	34	34	3	

Ordering example for the WJ30ER grade: DB133-08-00.500A0-WJ30ER

New addition to the product range



Cutting data for solid carbide drills

= Cutting data for wet machining = Dry machining is possible, cutting data must be selected from Walter GPS E = Emulsion O = Oil M = MQL L = Dry v _c = Cutting speed VRR = Feed rate chart on page 132. VCRR = v _c chart on page 133.			Drilling depth			3 × D _c				
			Product family			DC170				
Product line			Supreme							
Dimensions			DIN 6537 short							
Ø range (mm)			3,00 - 20,00							
Cooling			Internal coolant							
Cutting material			WJ30EJ							
Page			104							
Material group	Structure of main material groups and code letters		Brinell hardness HB	Tensile strength R _m N/mm ²	Machining group ¹					
	Workpiece material									
P	Non-alloyed steel	C ≤ 0.25%	Annealed	125	428	P1	220	20	E O	M L
		C > 0.25... ≤ 0.55%	Annealed	190	639	P2	196	16	E O	M L
		C > 0.25... ≤ 0.55%	Heat-treated	210	708	P3	185	12	E O	M L
		C > 0.55%	Annealed	190	639	P4	196	12	E O	M L
		C > 0.55%	Heat-treated	300	1013	P5	153	12	E O	M L
		Free cutting steel (short-chipping)	Annealed	220	745	P6	220	20	E O	M L
	Low-alloyed steel		Annealed	175	591	P7	196	16	E O	M L
			Heat-treated	300	1013	P8	153	12	E O	M L
			Heat-treated	380	1282	P9	110	9	O E	
			Heat-treated	430	1477	P10	90	7	O E	
	High-alloyed steel and high-alloyed tool steel		Annealed	200	675	P11	130	10	E O	
			Hardened and tempered	300	1013	P12	95	10	E O	
			Hardened and tempered	400	1361	P13	85	7	O E	
	Stainless steel		Ferritic/martensitic, annealed	200	675	P14	95	10	E O	
			Martensitic, heat-treated	330	1114	P15	55	10	E O	
M	Stainless steel	Austenitic, quench hardened	200	675	M1					
		Austenitic, precipitation hardened (PH)	300	1013	M2					
		Austenitic/ferritic, duplex	230	778	M3					
K	Malleable cast iron	Ferritic	200	675	K1	140	20	E O	M L	
		Pearlitic	260	867	K2	130	16	E O	M L	
	Grey cast iron	Low tensile strength	180	602	K3	175	20	E O	M L	
		High tensile strength/austenitic	245	825	K4	140	20	E O	M L	
	Cast iron with spheroidal graphite	Ferritic	155	518	K5	165	16	E O	M L	
		Pearlitic	265	885	K6	130	16	E O	M L	
	GGV (CGI)	200	675	K7	155	16	E O	M L		
N	Aluminium wrought alloys	Cannot be hardened	30	-	N1					
		Hardenable, hardened	100	343	N2					
	Cast aluminium alloys	≤ 12% Si, cannot be hardened	75	260	N3					
		≤ 12% Si, hardenable, hardened	90	314	N4					
		> 12% Si, cannot be hardened	130	447	N5					
		Magnesium alloys	70	250	N6					
	Copper and copper alloys (bronze/brass)	Non-alloyed, electrolytic copper	100	343	N7					
Brass, bronze, red brass		90	314	N8						
Cu-alloys, short-chipping		110	382	N9						
High-strength, Ampco		300	1013	N10						
S	Heat-resistant alloys	Fe-based	Annealed	200	675	S1				
			Hardened	280	943	S2				
		Ni or Co base	Annealed	250	839	S3				
			Hardened	350	1177	S4				
			Cast	320	1076	S5				
	Titanium alloys	Pure titanium	200	675	S6					
		α and β alloys, hardened	375	1262	S7					
		β alloys	410	1396	S8					
	Tungsten alloys	300	1013	S9						
	Molybdenum alloys	300	1013	S10						
H	Hardened steel	Hardened and tempered	50 HRC	-	H1					
		Hardened and tempered	55 HRC	-	H2					
		Hardened and tempered	60 HRC	-	H3					
		Hardened cast iron	Hardened and tempered	55 HRC	-	H4				
O	Thermoplastics	Without abrasive fillers			O1					
	Thermosetting plastics	Without abrasive fillers			O2					
	Plastic, glass-fibre reinforced	GFRP			O3					
	Plastic, carbon-fibre reinforced	CFRP			O4					
	Plastic, aramid-fibre reinforced	AFRP			O5					
		Graphite (technical)		80 Shore		O6				

¹ The classification of the machining groups can be found from page H 8onwards in the Walter General Catalogue 2012.

The specified cutting data are average recommended values.
For special applications, adjustment is recommended.

5 × D _c				8 × D _c				12 × D _c				16 × D _c				20 × D _c															
DB133		DC170		DB133		DC170		DC150		DC170		DC170		DC170																	
Supreme		Supreme		Supreme		Supreme		Perform		Supreme		Supreme		Supreme																	
Walter standard		DIN 6537 long		Walter standard		Walter standard		Walter standard		Walter standard		Walter standard		Walter standard																	
0,50 - 2,95		3,00 - 20,00		0,50 - 2,95		3,00 - 20,00		3,00 - 20,00		3,00 - 20,00		3,00 - 20,00		3,00 - 16,00																	
External coolant		Internal coolant		External coolant		Internal coolant		Internal coolant		Internal coolant		Internal coolant		Internal coolant																	
WJ30EL		WJ30EJ		WJ30ER		WJ30EJ		WJ30TA		WJ30EJ		WJ30EJ		WJ30EJ																	
125		107		127		110		113		116		119		121																	
VCRR	VRR			vc	VRR			vc	VRR			vc	VRR			vc	VRR														
C100	16	EO		210	20	EO	ML	C100	16	EO		200	16	EO	ML	105	9	EO	ML	190	12	EO	ML	150	12	EO	ML	143	12	EO	ML
C100	16	EO		188	16	EO	ML	C100	16	EO		180	12	EO	ML	87	9	EO	ML	172	12	EO	ML	135	12	EO	ML	130	12	EO	ML
C80	16	EO		175	12	EO	ML	C80	16	EO		165	12	EO	ML	83	9	EO	ML	155	12	EO	ML	130	12	EO	ML	125	12	EO	ML
C100	16	EO		188	12	EO	ML	C100	16	EO		180	12	EO	ML	87	9	EO	ML	172	12	EO	ML	135	12	EO	ML	130	12	EO	ML
C63	12	EO		145	12	EO	ML	C63	12	EO		138	10	EO	ML	62	7	EO	ML	130	10	EO	ML	105	9	EO	ML	100	9	EO	ML
C100	20	EO		210	20	EO	ML	C100	20	EO		200	16	EO	ML	105	10	EO	ML	190	12	EO	ML	150	12	EO	ML	138	10	EO	ML
C100	16	EO		188	16	EO	ML	C100	16	EO		180	12	EO	ML	87	9	EO	ML	172	12	EO	ML	135	12	EO	ML	125	10	EO	ML
C50	12	EO		145	12	EO	ML	C50	12	EO		138	10	EO	ML	62	7	EO	ML	130	10	EO	ML	105	9	EO	ML	100	9	EO	ML
C40	7	EO		103	9	OE		C40	7	EO		95	8	OE		42	5	OE		88	8	OE		63	7	OE		60	7	OE	
C40	6	EO		82	7	OE		C40	6	EO		74	6	OE		33	4	OE		66	6	OE		45	6	OE		40	6	OE	
C63	10	EO		120	10	EO		C63	10	EO		115	9	EO		49	7	EO		110	9	EO		72	9	EO		68	9	EO	
C50	8	EO		90	10	EO		C50	8	EO		85	9	EO		55	6	EO		75	9	EO		90	8	EO		85	8	EO	
C40	6	EO		76	7	OE		C40	6	EO		72	6	OE		33	4	OE		65	6	OE		45	6	OE		40	6	OE	
C80	10	EO		87	10	EO		C80	10	EO		80	9	EO		55	7	EO		73	9	EO		71	8	EO		67	8	EO	
C50	10	EO		52	10	EO		C50	10	EO		48	9	EO		36	6	EO		45	9	EO		41	7	EO		38	7	EO	
																38	4	EO													
																48	5	EO													
																31	4	EO													
C80	20	EO		135	20	EO	ML	C80	20	EO		130	16	EO	ML	79	12	EO	ML	120	16	EO	ML	100	16	EO	ML	95	16	EO	ML
C63	20	EO		125	16	EO	ML	C63	20	EO		120	12	EO	ML	59	10	EO	ML	110	12	EO	ML	75	12	EO	ML	70	12	EO	ML
C100	20	EO		165	20	EO	ML	C100	20	EO		155	16	EO	ML	100	12	EO	ML	145	16	EO	ML	120	16	EO	ML	115	16	EO	ML
C80	20	EO		135	20	EO	ML	C80	20	EO		130	12	EO	ML	79	12	EO	ML	120	12	EO	ML	100	16	EO	ML	95	16	EO	ML
C100	20	EO		155	16	EO	ML	C100	20	EO		145	12	EO	ML	79	12	EO	ML	135	12	EO	ML	120	16	EO	ML	113	16	EO	ML
C63	20	EO		125	16	EO	ML	C63	20	EO		120	12	EO	ML	59	10	EO	ML	115	12	EO	ML	95	12	EO	ML	90	12	EO	ML
C63	20	EO		145	16	EO	ML	C63	20	EO		140	12	EO	ML	71	12	EO	ML	135	12	EO	ML	110	16	EO	ML	103	16	EO	ML
C125	16	EO	M					C125	16	EO	M					12	EO	M													
C125	16	EO	M					C125	16	EO	M					12	EO	M													
C125	20	EO	M					C125	20	EO	M					218	12	EO	M												
C125	20	EO	M					C125	20	EO	M					209	12	EO	M												
C125	20	EO	M					C125	20	EO	M					166	12	EO	M												
																209	12	ML													
C125	10	EO						C125	10	EO						157	7	EO	M												
C100	12	EO						C100	12	EO						131	9	EO													
C100	20	EO						C100	20	EO						166	12	EO	M												
C63	12	EO						C63	12	EO						49	6	EO													
C32	4	EO						C32	4	EO						40	4	EO													
C25	4	EO						C25	4	EO						23	3	OE													
																28	3	EO													
																15	3	OE													
																17	3	OE													
C40	9	EO						C40	9	EO						46	5	OE													
C32	8	EO						C32	8	EO						38	4	OE													
																11	3	OE													
																53	6	EO													
																53	6	EO													
C32	3	OE						C32	3	OE						26	3	OE													
																22	3	OE													
																22	3	OE													
C100	20	EO						C100	20	EO						95	16	EO													
C100	20	L						C100	20	L																					
C100	20	L						C100	20	L																					
C100	20	L						C100	20	L																					
C100	20	L						C100	20	L																					
C100	20	L						C100	20	L																					

VRR: Feed rate charts for drills

VRR	Feed f (mm) for Ø (mm)															
	0,5	0,6	0,8	1	1,2	1,5	2	2,5	4	5	6	8	10	12	15	20
1	0,002	0,002	0,003	0,003	0,004	0,005	0,007	0,008	0,013	0,017	0,018	0,021	0,024	0,026	0,029	0,033
2	0,003	0,004	0,005	0,007	0,008	0,010	0,013	0,017	0,027	0,033	0,037	0,042	0,047	0,052	0,058	0,067
3	0,005	0,006	0,008	0,010	0,012	0,015	0,020	0,025	0,040	0,050	0,055	0,063	0,071	0,077	0,087	0,10
4	0,007	0,008	0,011	0,013	0,016	0,020	0,027	0,033	0,053	0,067	0,073	0,084	0,094	0,10	0,12	0,13
5	0,008	0,010	0,013	0,017	0,020	0,025	0,033	0,042	0,067	0,083	0,091	0,11	0,12	0,13	0,14	0,17
6	0,010	0,012	0,016	0,020	0,024	0,030	0,040	0,050	0,080	0,10	0,11	0,13	0,14	0,15	0,17	0,20
7	0,012	0,014	0,019	0,023	0,028	0,035	0,047	0,058	0,093	0,12	0,13	0,15	0,16	0,18	0,20	0,23
8	0,013	0,016	0,021	0,027	0,032	0,040	0,053	0,067	0,11	0,13	0,15	0,17	0,19	0,21	0,23	0,27
9	0,015	0,018	0,024	0,030	0,036	0,045	0,060	0,075	0,12	0,15	0,16	0,19	0,21	0,23	0,26	0,30
10	0,017	0,020	0,027	0,033	0,040	0,050	0,067	0,083	0,13	0,17	0,18	0,21	0,24	0,26	0,29	0,33
12	0,020	0,024	0,032	0,040	0,048	0,060	0,080	0,10	0,16	0,20	0,22	0,25	0,28	0,31	0,35	0,40
16	0,027	0,032	0,043	0,053	0,064	0,080	0,11	0,13	0,21	0,27	0,29	0,34	0,38	0,41	0,46	0,53
20	0,033	0,040	0,053	0,067	0,080	0,10	0,13	0,17	0,27	0,33	0,37	0,42	0,47	0,52	0,58	0,67

VCRR: Solid carbide micro-drill speed diagram

