

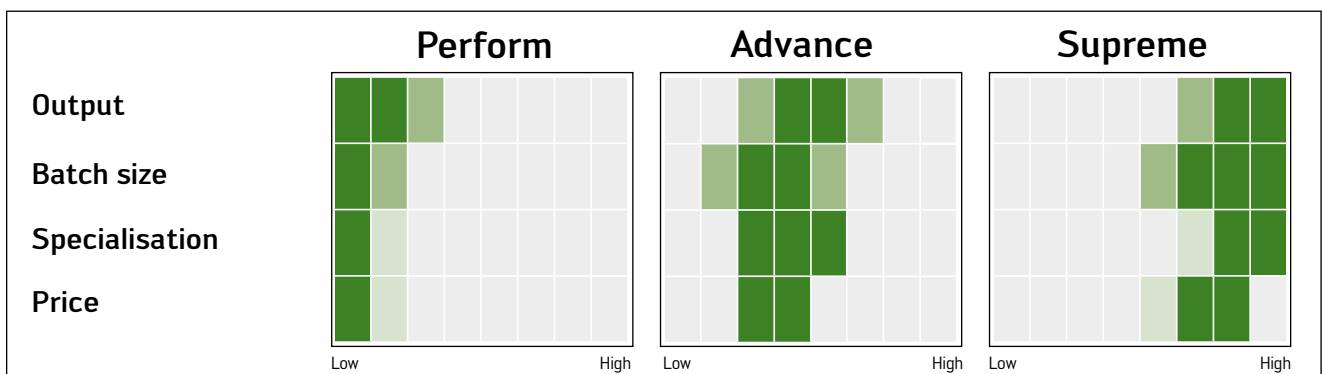
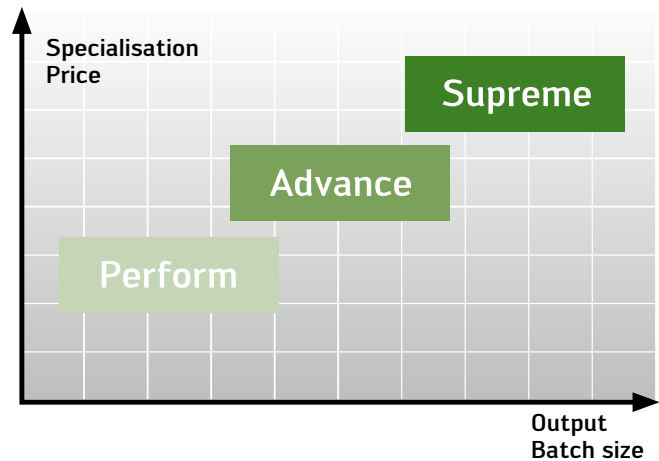
\_EXPERTISE IN MACHINING

## Walter Perform line – the new standard for small and medium batch sizes.



# The Walter product lines – Expertise to the power of three.

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. With three product lines in its premium segment, Walter has the solution to match your requirements.



## SUPREME

Within the Supreme line, you will find tools with optimised machining qualities. These tools are always the first choice wherever high cutting speeds and long tool life for processing large batch sizes are required. Supreme tools are designed for machining very specific material groups, and often far exceed the performance of comparable tools.

## ADVANCE

Are you looking to strike the ideal balance between the most cost-effective production possible and long tool life? The key strengths of the tools in the Advance line really come into play in volume production applications of medium batch size. They offer three key benefits: Modest investment costs, excellent performance data and a wide range of different models.

## PERFORM

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 to medium batch sizes.

# Walter Premium quality and cost efficiency.

Users with small and medium batch sizes are rarely looking for a tool to process large quantities – rather, they want a tool that provides flexibility in terms of application as well as cost efficiency. The Perform line from Walter offers you ideal solutions: They can be used for the most diverse types of material, and are designed precisely for achieving high-quality results at a reasonable price.

## **DRILLING WITH DC150 PERFORM – EVERYTHING UNDER CONTROL, 100% PROCESS RELIABILITY**

Users faced with a wide range of workpiece materials and machining conditions have to cope with many challenges – and therefore require tools that offer exceptional flexibility. The new solid carbide drills from the Perform line's DC150 product family are perfectly designed for this: They can be used universally and offer Walter's proven quality – all at a reasonable price.



---

## **THREADING WITH TC115/TC216 PERFORM – CUSTOMISED COST EFFICIENCY**

When it comes to cost-effective tapping, reliable processes and tools that can be used universally are basic requirements because machining conditions can vary dramatically depending on the material and workpiece. With geometries and coatings that are perfectly suited to the application, TC115 and TC216 taps cope easily with this challenge.



---








## **MILLING WITH MC232 PERFORM – UNIVERSAL USE IN ISO P, M AND K**

Suitable for any number of varying milling operations, a long tool life and excellent wear resistance, suitable for use in a wide variety of applications and in a broad diameter range: The MC232 Perform offers an economical solution when it comes to milling small and medium batch sizes.







# The products from Walter's Perform line.















## DC150 Perform

Machining								
Drilling depth	3 x D <sub>c</sub>				5 x D <sub>c</sub>		8 x D <sub>c</sub>	12 x D <sub>c</sub>
Designation	DC150 Perform							
Dimensions	DIN 6537 short				DIN 6537 long		Walter standard	
Grade	WJ30RE						WJ30TA	
Shank	HA	HE	HA	HE	HA	HE	HA	HA
Cooling	External cooling			Internal cooling				
Dia. range (mm)	3,00–20,00							
Technical information	Page 6							
Cutting data	Page 38-40							
Reconditioning	Page 9							
Order pages	10	12	14	16	18	21	24	27
								

## MC232 Perform

Machining			
Helix angle	35°		
Designation	MC232 Perform		
Dia. range (mm)	2–20		
T	2	3	4
Corner radius	0		
Standard	DIN 6527 L		
Shank	DIN 6535 HA/DIN 6535 HB		
Technical information	Page 8		
Cutting data	Page 42-43		
Reconditioning	Page 9		
Order pages	36	36	37
			

## TC115 / TC216 Perform

Machining												
Thread type	M	MF		UNC		M	MF		UNC			
Designation	TC115 Perform						TC216 Perform					
Thread depth	3 x D <sub>N</sub>						3,5 x D <sub>N</sub>					
Cooling	External cooling						External cooling					
Chamfer form	C						B					
Helix angle	45°						0°					
Tolerance	6H			2B			6H			2B		
Standard	DIN371/DIN376			DIN/ANSI			DIN371/DIN376			DIN/ANSI		
Dimensions	M3–M20		M8 x 1–M18 x 1		UNC6–UNC3/4		M3–M20		M8 x 1–M18 x 1		UNC6–UNC3/4	
Grade	WY80AA	WY80FC	WY80AA	WY80FC	WY80AA	WY80FC	WY80AA	WY80FC	WY80AA	WY80FC	WY80AA	WY80FC
Technical information	Page 7						Page 7					
Cutting data	Page 41						Page 41					
Order pages	31	31	33	33	35	35	30	30	32	32	34	34
												

# Walter Titex DC150 Perform – flexible in use and very wear-resistant.

## THE APPLICATION

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

## THE TOOL

- Solid carbide twist drill
- Grades: WJ30RE and WJ30TA; K30F-TiAlN
- 140° point angle
- Diameter range 3-20 mm

## THE DIMENSIONS

- Grade: WJ30RE, K30F, TiAlN:
  - DIN 6537 short  $3 \times D_c$  with and without internal cooling
  - DIN 6537 long  $5 \times D_c$  with internal cooling
  - Shank in accordance with DIN 6535 HA and HE
- Grade: WJ30TA, K30F, TiAlN:
  - Walter standard  $8 \times D_c$  with internal cooling
  - Walter standard  $12 \times D_c$  with internal cooling
  - Shank in accordance with DIN 6535 HA



Walter Titex DC150 Perform

## BENEFITS FOR YOU

- Cost-efficient machining of small and medium batch sizes
- 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

# Walter Prototyp TC115 / TC216 Perform – ideal for the most diverse of materials.

## THE APPLICATION

- Blind-hole and through-hole threads
- Dimension ranges:
  - M3-M20
  - MF: M8 x 1-M18 x 1.5
  - UNC: UNC6-UNC $\frac{1}{2}$  (DIN/ANSI)\*
- Primary application:
  - ISO P: 300-1000 N/mm<sup>2</sup>
  - ISO M: < 800 N/mm<sup>2</sup>
  - ISO K: GJS (GGG)
  - ISO N: Al wrought alloy, AISi < 4% silicon\*\*

\* Overall length  $\hat{=}$  DIN  
Shank diameter  $\hat{=}$  ANSI

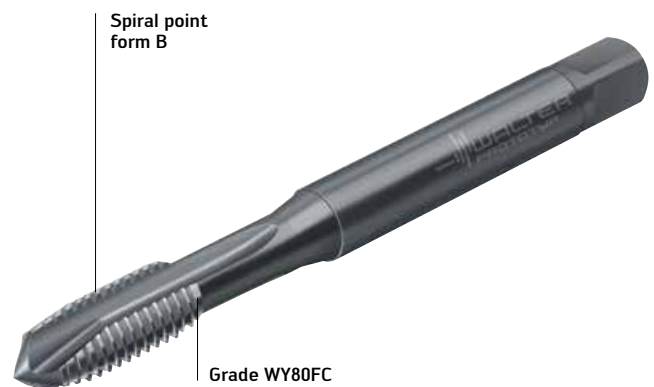
\*\* Secondary application with TC115

## THE TOOL

- HSS-E machine taps
- TC115: For blind holes up to 3 x D<sub>N</sub>
- TC216: For through holes up to 3.5 x D<sub>N</sub>
- ISO 2/6H tolerances
- Two variants: TiN-coated or vaporised



TC115 blind-hole tap



TC216 through-hole tap

Walter Prototyp TC115 / TC216 Perform

## BENEFITS FOR YOU

- TiN coating: Long tool life
- Vaporised: Very good chip control; minimises weld formation
- Flexibility through a wide range of applications with a variety of materials
- High process reliability

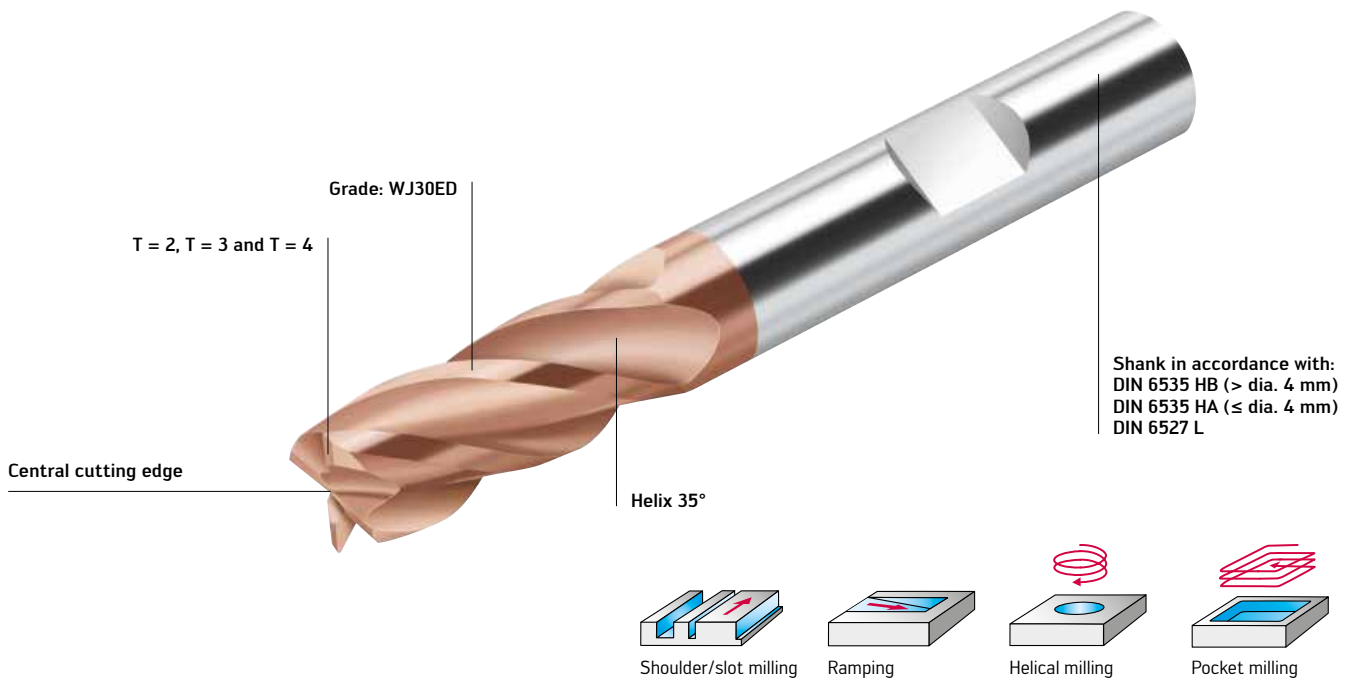
# Walter Prototyp MC232 Perform – universal use in ISO P, M and K.

## THE APPLICATION

- ISO material groups P, M and K
- Lateral milling, full slotting, pocket milling, helical plunging, ramping
- Areas of use: General mechanical engineering, mould and die making, and the automotive and energy industries

## THE TOOLS

- Solid carbide cutters from the Perform line
- Three cutter types; 36 dimensions
- With 2, 3 or 4 cutting edges
- Diameter range 2-20 mm



Walter Prototyp MC232 Perform

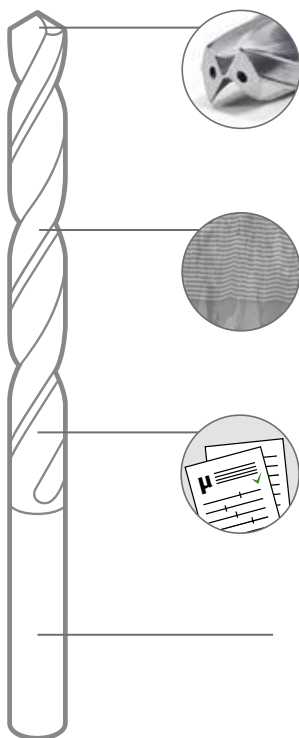
## BENEFITS FOR YOU

- Universal applicability
- Wide range of applications
- High level of cost efficiency for small and medium batch sizes



# Reconditioning to the original manufacturer quality really pays off.

The Reconditioning Service from Walter Multiply makes a significant contribution towards lowering your production costs. This service can offer you Walter Titex and Walter Prototyp tools that are as good as new, to the original manufacturer quality and all at an attractive price-performance ratio.



#### ORIGINAL GEOMETRIES

Cutting edge geometries are extremely complex. During reconditioning, Walter employs its extensive engineering competence to return them to their original condition.

#### ORIGINAL COATING

When it comes to tool performance, the coating is key. Only Walter uses the original coating process during reconditioning.

#### ORIGINAL TOLERANCES

These tolerances and marks of quality are just as important when reconditioning as when Walter manufactures a completely new tool. To achieve this, we only use the most up-to-date measuring equipment.

#### RECONDITIONING RANGE

- Solid carbide drills and milling cutters
- Solid carbide special boring tools and special milling tools
- High-performance solid carbide reaming tools
- Solid carbide thread milling cutters



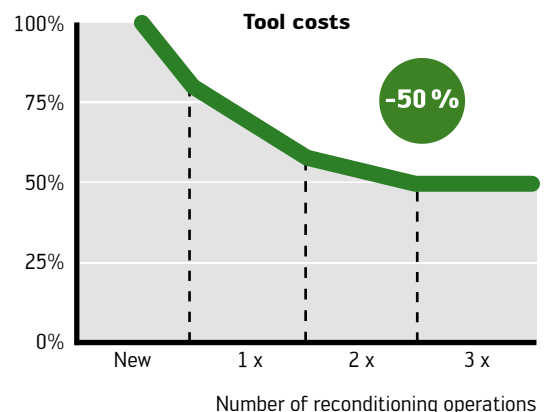
#### OUR MARK OF 100% QUALITY

Look out for the "Original Walter Quality" label which indicates that a tool has been reconditioned to original manufacturer quality. It even appears in the ordering documents, meaning that you can immediately see for which tools we recommend our Reconditioning Service.

## 50% LOWER COSTS

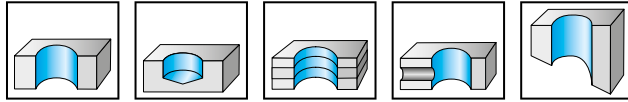
Tools are often disposed of far too early, even though the Walter Reconditioning Service can restore the tool a number of times to original manufacturer quality. You can benefit from reduced costs, reliable production processes and consistent tool life by reconditioning your tools at our Reconditioning Centre, which is available worldwide. It could save you up to 50% on your tool costs!

Find out more at: [walter-tools.com](http://walter-tools.com)



# Solid carbide drill

## DC150 Perform



P	M	K	N	S	H	O
●	●	●	●	●	●	●

WJ30RE

Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
Shank DIN 6535 HA								
DC150-03-03.000A0-	3		14	62	20	36	6	☺
DC150-03-03.100A0-	3,1		14	62	20	36	6	☺
DC150-03-03.175A0-	3,175	1/8"	14	62	20	36	6	☺
DC150-03-03.200A0-	3,2		14	62	20	36	6	☺
DC150-03-03.250A0-	3,25		14	62	20	36	6	☺
DC150-03-03.300A0-	3,3		14	62	20	36	6	☺
DC150-03-03.400A0-	3,4		14	62	20	36	6	☺
DC150-03-03.500A0-	3,5		14	62	20	36	6	☺
DC150-03-03.572A0-	3,572	9/64"	14	62	20	36	6	☺
DC150-03-03.600A0-	3,6		14	62	20	36	6	☺
DC150-03-03.700A0-	3,7		14	62	20	36	6	☺
DC150-03-03.800A0-	3,8		17	66	24	36	6	☺
DC150-03-03.900A0-	3,9		17	66	24	36	6	☺
DC150-03-03.969A0-	3,969	5/32"	17	66	24	36	6	☺
DC150-03-04.000A0-	4		17	66	24	36	6	☺
DC150-03-04.100A0-	4,1		17	66	24	36	6	☺
DC150-03-04.200A0-	4,2		17	66	24	36	6	☺
DC150-03-04.300A0-	4,3		17	66	24	36	6	☺
DC150-03-04.366A0-	4,366	11/64"	17	66	24	36	6	☺
DC150-03-04.400A0-	4,4		17	66	24	36	6	☺
DC150-03-04.500A0-	4,5		17	66	24	36	6	☺
DC150-03-04.600A0-	4,6		17	66	24	36	6	☺
DC150-03-04.650A0-	4,65		17	66	24	36	6	☺
DC150-03-04.700A0-	4,7		17	66	24	36	6	☺
DC150-03-04.763A0-	4,763	3/16"	20	66	28	36	6	☺
DC150-03-04.800A0-	4,8		20	66	28	36	6	☺
DC150-03-04.900A0-	4,9		20	66	28	36	6	☺
DC150-03-05.000A0-	5		20	66	28	36	6	☺
DC150-03-05.100A0-	5,1		20	66	28	36	6	☺
DC150-03-05.159A0-	5,159	13/64"	20	66	28	36	6	☺
DC150-03-05.200A0-	5,2		20	66	28	36	6	☺
DC150-03-05.300A0-	5,3		20	66	28	36	6	☺
DC150-03-05.400A0-	5,4		20	66	28	36	6	☺
DC150-03-05.500A0-	5,5		20	66	28	36	6	☺
DC150-03-05.550A0-	5,55		20	66	28	36	6	☺
DC150-03-05.556A0-	5,556	7/32"	20	66	28	36	6	☺
DC150-03-05.600A0-	5,6		20	66	28	36	6	☺
DC150-03-05.700A0-	5,7		20	66	28	36	6	☺
DC150-03-05.800A0-	5,8		20	66	28	36	6	☺
DC150-03-05.900A0-	5,9		20	66	28	36	6	☺
DC150-03-05.953A0-	5,953	15/64"	20	66	28	36	6	☺
DC150-03-06.000A0-	6		20	66	28	36	6	☺
DC150-03-06.100A0-	6,1		24	79	34	36	8	☺
DC150-03-06.200A0-	6,2		24	79	34	36	8	☺
DC150-03-06.300A0-	6,3		24	79	34	36	8	☺
DC150-03-06.350A0-	6,35	1/4"	24	79	34	36	8	☺
DC150-03-06.400A0-	6,4		24	79	34	36	8	☺
DC150-03-06.500A0-	6,5		24	79	34	36	8	☺
DC150-03-06.600A0-	6,6		24	79	34	36	8	☺
DC150-03-06.700A0-	6,7		24	79	34	36	8	☺
DC150-03-06.747A0-	6,747	17/64"	24	79	34	36	8	☺

Ordering example for the WJ30RE grade: DC150-03-03.000A0-WJ30RE

Continued

Continued

	Designation	D <sub>c</sub> mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
Shank DIN 6535 HA 	DC150-03-06.800A0-	6,8		24	79	34	36	8	⊗
	DC150-03-06.900A0-	6,9		24	79	34	36	8	⊗
	DC150-03-07.000A0-	7		24	79	34	36	8	⊗
	DC150-03-07.100A0-	7,1		29	79	41	36	8	⊗
	DC150-03-07.144A0-	7,144	9/32"	29	79	41	36	8	⊗
	DC150-03-07.200A0-	7,2		29	79	41	36	8	⊗
	DC150-03-07.300A0-	7,3		29	79	41	36	8	⊗
	DC150-03-07.400A0-	7,4		29	79	41	36	8	⊗
	DC150-03-07.500A0-	7,5		29	79	41	36	8	⊗
	DC150-03-07.541A0-	7,541	19/64"	29	79	41	36	8	⊗
	DC150-03-07.600A0-	7,6		29	79	41	36	8	⊗
	DC150-03-07.700A0-	7,7		29	79	41	36	8	⊗
	DC150-03-07.800A0-	7,8		29	79	41	36	8	⊗
	DC150-03-07.900A0-	7,9		29	79	41	36	8	⊗
	DC150-03-07.938A0-	7,938	5/16"	29	79	41	36	8	⊗
	DC150-03-08.000A0-	8		29	79	41	36	8	⊗
	DC150-03-08.100A0-	8,1		35	89	47	40	10	⊗
	DC150-03-08.200A0-	8,2		35	89	47	40	10	⊗
	DC150-03-08.300A0-	8,3		35	89	47	40	10	⊗
	DC150-03-08.334A0-	8,334	21/64"	35	89	47	40	10	⊗
	DC150-03-08.400A0-	8,4		35	89	47	40	10	⊗
	DC150-03-08.500A0-	8,5		35	89	47	40	10	⊗
	DC150-03-08.600A0-	8,6		35	89	47	40	10	⊗
	DC150-03-08.700A0-	8,7		35	89	47	40	10	⊗
	DC150-03-08.731A0-	8,731	11/32"	35	89	47	40	10	⊗
	DC150-03-08.800A0-	8,8		35	89	47	40	10	⊗
	DC150-03-08.900A0-	8,9		35	89	47	40	10	⊗
	DC150-03-09.000A0-	9		35	89	47	40	10	⊗
	DC150-03-09.100A0-	9,1		35	89	47	40	10	⊗
	DC150-03-09.200A0-	9,2		35	89	47	40	10	⊗
	DC150-03-09.300A0-	9,3		35	89	47	40	10	⊗
	DC150-03-09.400A0-	9,4		35	89	47	40	10	⊗
	DC150-03-09.500A0-	9,5		35	89	47	40	10	⊗
	DC150-03-09.525A0-	9,525	3/8"	35	89	47	40	10	⊗
	DC150-03-09.600A0-	9,6		35	89	47	40	10	⊗
	DC150-03-09.700A0-	9,7		35	89	47	40	10	⊗
DC150-03-09.800A0-	9,8		35	89	47	40	10	⊗	
DC150-03-09.900A0-	9,9		35	89	47	40	10	⊗	
DC150-03-09.922A0-	9,922	25/64"	35	89	47	40	10	⊗	
DC150-03-10.000A0-	10		35	89	47	40	10	⊗	
DC150-03-10.100A0-	10,1		40	102	55	45	12	⊗	
DC150-03-10.200A0-	10,2		40	102	55	45	12	⊗	
DC150-03-10.300A0-	10,3		40	102	55	45	12	⊗	
DC150-03-10.319A0-	10,319	13/32"	40	102	55	45	12	⊗	
DC150-03-10.400A0-	10,4		40	102	55	45	12	⊗	
DC150-03-10.500A0-	10,5		40	102	55	45	12	⊗	
DC150-03-10.600A0-	10,6		40	102	55	45	12	⊗	
DC150-03-10.716A0-	10,716	27/64"	40	102	55	45	12	⊗	
DC150-03-10.800A0-	10,8		40	102	55	45	12	⊗	
DC150-03-11.000A0-	11		40	102	55	45	12	⊗	
DC150-03-11.100A0-	11,1		40	102	55	45	12	⊗	
DC150-03-11.113A0-	11,113	7/16"	40	102	55	45	12	⊗	
DC150-03-11.200A0-	11,2		40	102	55	45	12	⊗	
DC150-03-11.300A0-	11,3		40	102	55	45	12	⊗	
DC150-03-11.400A0-	11,4		40	102	55	45	12	⊗	
DC150-03-11.500A0-	11,5		40	102	55	45	12	⊗	
DC150-03-11.509A0-	11,509	29/64"	40	102	55	45	12	⊗	
DC150-03-11.700A0-	11,7		40	102	55	45	12	⊗	
DC150-03-11.800A0-	11,8		40	102	55	45	12	⊗	
DC150-03-11.900A0-	11,9		40	102	55	45	12	⊗	
DC150-03-12.000A0-	12		40	102	55	45	12	⊗	

Ordering example for the WJ30RE grade: DC150-03-03.000A0-WJ30RE

Continued



Continued

		$D_c$ m7 mm	$D_c$ Inch/no.	$L_c$ mm	$l_1$ mm	$l_2$ mm	$l_5$ mm	$d_1$ h6 mm	WJ30RE
Shank DIN 6535 HA									
	DC150-03-12.100A0-	12.1		43	107	60	45	14	☺
	DC150-03-12.200A0-	12.2		43	107	60	45	14	☺
	DC150-03-12.250A0-	12.25		43	107	60	45	14	☺
	DC150-03-12.300A0-	12.3		43	107	60	45	14	☺
	DC150-03-12.303A0-	12,303	31/64"	43	107	60	45	14	☺
	DC150-03-12.500A0-	12.5		43	107	60	45	14	☺
	DC150-03-12.700A0-	12.7	1/2"	43	107	60	45	14	☺
	DC150-03-12.800A0-	12.8		43	107	60	45	14	☺
	DC150-03-13.000A0-	13		43	107	60	45	14	☺
	DC150-03-13.100A0-	13.1		43	107	60	45	14	☺
	DC150-03-13.300A0-	13.3		43	107	60	45	14	☺
	DC150-03-13.494A0-	13,494	17/32"	43	107	60	45	14	☺
	DC150-03-13.500A0-	13.5		43	107	60	45	14	☺
	DC150-03-14.000A0-	14		43	107	60	45	14	☺
	DC150-03-14.200A0-	14.2		45	115	65	48	16	☺
	DC150-03-14.288A0-	14,288	9/16"	45	115	65	48	16	☺
	DC150-03-14.500A0-	14.5		45	115	65	48	16	☺
	DC150-03-14.700A0-	14.7		45	115	65	48	16	☺
	DC150-03-14.800A0-	14.8		45	115	65	48	16	☺
	DC150-03-15.000A0-	15		45	115	65	48	16	☺
	DC150-03-15.100A0-	15.1		45	115	65	48	16	☺
	DC150-03-15.500A0-	15.5		45	115	65	48	16	☺
	DC150-03-15.800A0-	15.8		45	115	65	48	16	☺
	DC150-03-15.875A0-	15,875	5/8"	45	115	65	48	16	☺
	DC150-03-16.000A0-	16		45	115	65	48	16	☺
	DC150-03-16.500A0-	16.5		51	123	73	48	18	☺
	DC150-03-16.750A0-	16,75		51	123	73	48	18	☺
	DC150-03-17.000A0-	17		51	123	73	48	18	☺
	DC150-03-17.500A0-	17.5		51	123	73	48	18	☺
	DC150-03-17.800A0-	17.8		51	123	73	48	18	☺
	DC150-03-18.000A0-	18		51	123	73	48	18	☺
	DC150-03-19.000A0-	19		55	131	79	50	20	☺
	DC150-03-20.000A0-	20		55	131	79	50	20	☺
Shank DIN 6535 HE									
	DC150-03-03.000F0-	3		14	62	20	36	6	☺
	DC150-03-03.100F0-	3.1		14	62	20	36	6	☺
	DC150-03-03.200F0-	3.2		14	62	20	36	6	☺
	DC150-03-03.300F0-	3.3		14	62	20	36	6	☺
	DC150-03-03.400F0-	3.4		14	62	20	36	6	☺
	DC150-03-03.500F0-	3.5		14	62	20	36	6	☺
	DC150-03-03.600F0-	3.6		14	62	20	36	6	☺
	DC150-03-03.700F0-	3.7		14	62	20	36	6	☺
	DC150-03-03.800F0-	3.8		17	66	24	36	6	☺
	DC150-03-03.900F0-	3.9		17	66	24	36	6	☺
	DC150-03-04.000F0-	4		17	66	24	36	6	☺
	DC150-03-04.200F0-	4.2		17	66	24	36	6	☺
	DC150-03-04.300F0-	4.3		17	66	24	36	6	☺
	DC150-03-04.500F0-	4.5		17	66	24	36	6	☺
	DC150-03-04.650F0-	4,65		17	66	24	36	6	☺
	DC150-03-04.700F0-	4.7		17	66	24	36	6	☺
	DC150-03-04.800F0-	4.8		20	66	28	36	6	☺
	DC150-03-05.000F0-	5		20	66	28	36	6	☺
	DC150-03-05.100F0-	5.1		20	66	28	36	6	☺
	DC150-03-05.300F0-	5.3		20	66	28	36	6	☺
	DC150-03-05.500F0-	5.5		20	66	28	36	6	☺
	DC150-03-05.550F0-	5,55		20	66	28	36	6	☺
	DC150-03-05.600F0-	5.6		20	66	28	36	6	☺
	DC150-03-05.800F0-	5.8		20	66	28	36	6	☺
	DC150-03-06.000F0-	6		20	66	28	36	6	☺
	DC150-03-06.100F0-	6.1		24	79	34	36	8	☺
	DC150-03-06.200F0-	6.2		24	79	34	36	8	☺
	DC150-03-06.300F0-	6.3		24	79	34	36	8	☺
	DC150-03-06.500F0-	6.5		24	79	34	36	8	☺
	DC150-03-06.600F0-	6.6		24	79	34	36	8	☺
	DC150-03-06.700F0-	6.7		24	79	34	36	8	☺
	DC150-03-06.800F0-	6.8		24	79	34	36	8	☺

Ordering example for the WJ30RE grade: DC150-03-03.000A0-WJ30RE

Continued

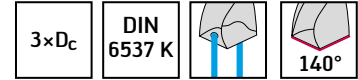
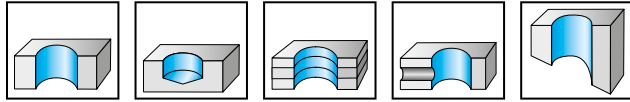
Continued

	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
	Shank DIN 6535 HE								
	DC150-03-07.000FO-	7		24	79	34	36	8	⊕
	DC150-03-07.100FO-	7,1		29	79	41	36	8	⊕
	DC150-03-07.400FO-	7,4		29	79	41	36	8	⊕
	DC150-03-07.500FO-	7,5		29	79	41	36	8	⊕
	DC150-03-07.600FO-	7,6		29	79	41	36	8	⊕
	DC150-03-07.800FO-	7,8		29	79	41	36	8	⊕
	DC150-03-08.000FO-	8		29	79	41	36	8	⊕
	DC150-03-08.100FO-	8,1		35	89	47	40	10	⊕
	DC150-03-08.200FO-	8,2		35	89	47	40	10	⊕
	DC150-03-08.300FO-	8,3		35	89	47	40	10	⊕
	DC150-03-08.400FO-	8,4		35	89	47	40	10	⊕
	DC150-03-08.500FO-	8,5		35	89	47	40	10	⊕
	DC150-03-08.600FO-	8,6		35	89	47	40	10	⊕
	DC150-03-08.700FO-	8,7		35	89	47	40	10	⊕
	DC150-03-08.800FO-	8,8		35	89	47	40	10	⊕
	DC150-03-09.000FO-	9		35	89	47	40	10	⊕
	DC150-03-09.100FO-	9,1		35	89	47	40	10	⊕
	DC150-03-09.500FO-	9,5		35	89	47	40	10	⊕
	DC150-03-09.700FO-	9,5		35	89	47	40	10	⊕
DC150-03-09.800FO-	9,8		35	89	47	40	10	⊕	
DC150-03-10.000FO-	10		35	89	47	40	10	⊕	
DC150-03-10.100FO-	10,1		40	102	55	45	12	⊕	
DC150-03-10.200FO-	10,2		40	102	55	45	12	⊕	
DC150-03-10.300FO-	10,3		40	102	55	45	12	⊕	
DC150-03-10.400FO-	10,4		40	102	55	45	12	⊕	
DC150-03-10.500FO-	10,5		40	102	55	45	12	⊕	
DC150-03-10.600FO-	10,6		40	102	55	45	12	⊕	
DC150-03-10.800FO-	10,8		40	102	55	45	12	⊕	
DC150-03-10.900FO-	10,9		40	102	55	45	12	⊕	
DC150-03-11.000FO-	11		40	102	55	45	12	⊕	
DC150-03-11.100FO-	11,1		40	102	55	45	12	⊕	
DC150-03-11.200FO-	11,2		40	102	55	45	12	⊕	
DC150-03-11.300FO-	11,3		40	102	55	45	12	⊕	
DC150-03-11.500FO-	11,5		40	102	55	45	12	⊕	
DC150-03-11.600FO-	11,6		40	102	55	45	12	⊕	
DC150-03-11.800FO-	11,8		40	102	55	45	12	⊕	
DC150-03-12.000FO-	12		40	102	55	45	12	⊕	
DC150-03-12.200FO-	12,2		43	107	60	45	14	⊕	
DC150-03-12.300FO-	12,3		43	107	60	45	14	⊕	
DC150-03-12.500FO-	12,5		43	107	60	45	14	⊕	
DC150-03-13.000FO-	13		43	107	60	45	14	⊕	
DC150-03-13.200FO-	13,2		43	107	60	45	14	⊕	
DC150-03-13.300FO-	13,3		43	107	60	45	14	⊕	
DC150-03-13.400FO-	13,4		43	107	60	45	14	⊕	
DC150-03-13.500FO-	13,5		43	107	60	45	14	⊕	
DC150-03-13.600FO-	13,6		43	107	60	45	14	⊕	
DC150-03-13.800FO-	13,8		43	107	60	45	14	⊕	
DC150-03-14.000FO-	14		43	107	60	45	14	⊕	
DC150-03-14.500FO-	14,5		45	115	65	48	16	⊕	
DC150-03-15.000FO-	15		45	115	65	48	16	⊕	
DC150-03-15.100FO-	15,1		45	115	65	48	16	⊕	
DC150-03-16.000FO-	16		45	115	65	48	16	⊕	
DC150-03-16.500FO-	16,5		51	123	73	48	18	⊕	
DC150-03-17.000FO-	17		51	123	73	48	18	⊕	
DC150-03-17.500FO-	17,5		51	123	73	48	18	⊕	
DC150-03-18.000FO-	18		51	123	73	48	18	⊕	
DC150-03-18.500FO-	18,5		55	131	79	50	20	⊕	
DC150-03-19.000FO-	19		55	131	79	50	20	⊕	
DC150-03-20.000FO-	20		55	131	79	50	20	⊕	

Ordering example for the WJ30RE grade: DC150-03-03.000A0-WJ30RE

# Coolant-through solid carbide drill

## DC150 Perform



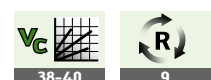
P	M	K	N	S	H	O
●	●	●	●	●	●	●

WJ30RE

Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
Shank DIN 6535 HA								
DC150-03-03.000A1-	3		14	62	20	36	6	☞
DC150-03-03.100A1-	3,1		14	62	20	36	6	☞
DC150-03-03.175A1-	3,175	1/8"	14	62	20	36	6	☞
DC150-03-03.200A1-	3,2		14	62	20	36	6	☞
DC150-03-03.250A1-	3,25		14	62	20	36	6	☞
DC150-03-03.300A1-	3,3		14	62	20	36	6	☞
DC150-03-03.400A1-	3,4		14	62	20	36	6	☞
DC150-03-03.500A1-	3,5		14	62	20	36	6	☞
DC150-03-03.572A1-	3,572	9/64"	14	62	20	36	6	☞
DC150-03-03.600A1-	3,6		14	62	20	36	6	☞
DC150-03-03.650A1-	3,65		14	62	20	36	6	☞
DC150-03-03.700A1-	3,7		14	62	20	36	6	☞
DC150-03-03.800A1-	3,8		17	66	24	36	6	☞
DC150-03-03.900A1-	3,9		17	66	24	36	6	☞
DC150-03-03.969A1-	3,969	5/32"	17	66	24	36	6	☞
DC150-03-04.000A1-	4		17	66	24	36	6	☞
DC150-03-04.100A1-	4,1		17	66	24	36	6	☞
DC150-03-04.200A1-	4,2		17	66	24	36	6	☞
DC150-03-04.300A1-	4,3		17	66	24	36	6	☞
DC150-03-04.366A1-	4,366	11/64"	17	66	24	36	6	☞
DC150-03-04.400A1-	4,4		17	66	24	36	6	☞
DC150-03-04.500A1-	4,5		17	66	24	36	6	☞
DC150-03-04.600A1-	4,6		17	66	24	36	6	☞
DC150-03-04.650A1-	4,65		17	66	24	36	6	☞
DC150-03-04.700A1-	4,7		17	66	24	36	6	☞
DC150-03-04.763A1-	4,763	3/16"	20	66	28	36	6	☞
DC150-03-04.800A1-	4,8		20	66	28	36	6	☞
DC150-03-04.900A1-	4,9		20	66	28	36	6	☞
DC150-03-05.000A1-	5		20	66	28	36	6	☞
DC150-03-05.100A1-	5,1		20	66	28	36	6	☞
DC150-03-05.159A1-	5,159	13/64"	20	66	28	36	6	☞
DC150-03-05.200A1-	5,2		20	66	28	36	6	☞
DC150-03-05.300A1-	5,3		20	66	28	36	6	☞
DC150-03-05.400A1-	5,4		20	66	28	36	6	☞
DC150-03-05.500A1-	5,5		20	66	28	36	6	☞
DC150-03-05.550A1-	5,55		20	66	28	36	6	☞
DC150-03-05.556A1-	5,556	7/32"	20	66	28	36	6	☞
DC150-03-05.600A1-	5,6		20	66	28	36	6	☞
DC150-03-05.700A1-	5,7		20	66	28	36	6	☞
DC150-03-05.800A1-	5,8		20	66	28	36	6	☞
DC150-03-05.900A1-	5,9		20	66	28	36	6	☞
DC150-03-05.953A1-	5,953	15/64"	20	66	28	36	6	☞
DC150-03-06.000A1-	6		20	66	28	36	6	☞
DC150-03-06.100A1-	6,1		24	79	34	36	8	☞
DC150-03-06.200A1-	6,2		24	79	34	36	8	☞
DC150-03-06.300A1-	6,3		24	79	34	36	8	☞
DC150-03-06.350A1-	6,35	1/4"	24	79	34	36	8	☞

Ordering example for the WJ30RE grade: DC150-03-03.000A1-WJ30RE

Continued



Continued

	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE	
	Shank DIN 6535 HA	DC150-03-06.400A1-	6,4		24	79	34	36	8	☺
		DC150-03-06.500A1-	6,5		24	79	34	36	8	☺
		DC150-03-06.600A1-	6,6		24	79	34	36	8	☺
		DC150-03-06.700A1-	6,7		24	79	34	36	8	☺
		DC150-03-06.747A1-	6,747	17/64"	24	79	34	36	8	☺
		DC150-03-06.800A1-	6,8		24	79	34	36	8	☺
		DC150-03-06.900A1-	6,9		24	79	34	36	8	☺
		DC150-03-07.000A1-	7		24	79	34	36	8	☺
		DC150-03-07.100A1-	7,1		29	79	41	36	8	☺
		DC150-03-07.144A1-	7,144	9/32"	29	79	41	36	8	☺
		DC150-03-07.200A1-	7,2		29	79	41	36	8	☺
		DC150-03-07.300A1-	7,3		29	79	41	36	8	☺
		DC150-03-07.400A1-	7,4		29	79	41	36	8	☺
		DC150-03-07.500A1-	7,5		29	79	41	36	8	☺
		DC150-03-07.541A1-	7,541	19/64"	29	79	41	36	8	☺
		DC150-03-07.600A1-	7,6		29	79	41	36	8	☺
		DC150-03-07.700A1-	7,7		29	79	41	36	8	☺
		DC150-03-07.800A1-	7,8		29	79	41	36	8	☺
		DC150-03-07.900A1-	7,9		29	79	41	36	8	☺
		DC150-03-07.938A1-	7,938	5/16"	29	79	41	36	8	☺
		DC150-03-08.000A1-	8		29	79	41	36	8	☺
		DC150-03-08.100A1-	8,1		35	89	47	40	10	☺
		DC150-03-08.200A1-	8,2		35	89	47	40	10	☺
		DC150-03-08.300A1-	8,3		35	89	47	40	10	☺
		DC150-03-08.334A1-	8,334	21/64"	35	89	47	40	10	☺
		DC150-03-08.400A1-	8,4		35	89	47	40	10	☺
		DC150-03-08.500A1-	8,5		35	89	47	40	10	☺
		DC150-03-08.600A1-	8,6		35	89	47	40	10	☺
		DC150-03-08.700A1-	8,7		35	89	47	40	10	☺
		DC150-03-08.731A1-	8,731	11/32"	35	89	47	40	10	☺
		DC150-03-08.800A1-	8,8		35	89	47	40	10	☺
		DC150-03-08.900A1-	8,9		35	89	47	40	10	☺
		DC150-03-09.000A1-	9		35	89	47	40	10	☺
		DC150-03-09.100A1-	9,1		35	89	47	40	10	☺
		DC150-03-09.128A1-	9,128	23/64"	35	89	47	40	10	☺
		DC150-03-09.200A1-	9,2		35	89	47	40	10	☺
		DC150-03-09.300A1-	9,3		35	89	47	40	10	☺
		DC150-03-09.400A1-	9,4		35	89	47	40	10	☺
		DC150-03-09.500A1-	9,5		35	89	47	40	10	☺
		DC150-03-09.525A1-	9,525	3/8"	35	89	47	40	10	☺
	DC150-03-09.600A1-	9,6		35	89	47	40	10	☺	
	DC150-03-09.700A1-	9,7		35	89	47	40	10	☺	
	DC150-03-09.800A1-	9,8		35	89	47	40	10	☺	
	DC150-03-09.900A1-	9,9		35	89	47	40	10	☺	
	DC150-03-09.922A1-	9,922	25/64"	35	89	47	40	10	☺	
	DC150-03-10.000A1-	10		35	89	47	40	10	☺	
	DC150-03-10.100A1-	10,1		40	102	55	45	12	☺	
	DC150-03-10.200A1-	10,2		40	102	55	45	12	☺	
	DC150-03-10.300A1-	10,3		40	102	55	45	12	☺	
	DC150-03-10.319A1-	10,319	13/32"	40	102	55	45	12	☺	
	DC150-03-10.400A1-	10,4		40	102	55	45	12	☺	
	DC150-03-10.500A1-	10,5		40	102	55	45	12	☺	
	DC150-03-10.600A1-	10,6		40	102	55	45	12	☺	
	DC150-03-10.700A1-	10,7		40	102	55	45	12	☺	
	DC150-03-10.716A1-	10,716	27/64"	40	102	55	45	12	☺	
	DC150-03-10.800A1-	10,8		40	102	55	45	12	☺	
	DC150-03-10.900A1-	10,9		40	102	55	45	12	☺	

Ordering example for the WJ30RE grade: DC150-03-03.000A1-WJ30RE

Continued

WALTER SELECT

Best tool for

Good   Average   Poor

machining conditions

•• Primary application

• Other application

38-40

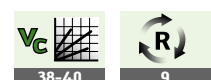
9

Continued

	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE	
	Shank DIN 6535 HA	DC150-03-11.000A1-	11		40	102	55	45	12	☺
		DC150-03-11.100A1-	11,1		40	102	55	45	12	☺
		DC150-03-11.113A1-	11,113	7/16"	40	102	55	45	12	☺
		DC150-03-11.200A1-	11,2		40	102	55	45	12	☺
		DC150-03-11.300A1-	11,3		40	102	55	45	12	☺
		DC150-03-11.400A1-	11,4		40	102	55	45	12	☺
		DC150-03-11.500A1-	11,5		40	102	55	45	12	☺
		DC150-03-11.509A1-	11,509	29/64"	40	102	55	45	12	☺
		DC150-03-11.600A1-	11,6		40	102	55	45	12	☺
		DC150-03-11.700A1-	11,7		40	102	55	45	12	☺
		DC150-03-11.800A1-	11,8		40	102	55	45	12	☺
		DC150-03-11.900A1-	11,9		40	102	55	45	12	☺
		DC150-03-11.906A1-	11,906	15/32"	40	102	55	45	12	☺
		DC150-03-12.000A1-	12		40	102	55	45	12	☺
		DC150-03-12.100A1-	12,1		43	107	60	45	14	☺
		DC150-03-12.200A1-	12,2		43	107	60	45	14	☺
		DC150-03-12.300A1-	12,3		43	107	60	45	14	☺
		DC150-03-12.303A1-	12,303	31/64"	43	107	60	45	14	☺
		DC150-03-12.500A1-	12,5		43	107	60	45	14	☺
		DC150-03-12.600A1-	12,6		43	107	60	45	14	☺
		DC150-03-12.700A1-	12,7	1/2"	43	107	60	45	14	☺
		DC150-03-12.800A1-	12,8		43	107	60	45	14	☺
		DC150-03-12.900A1-	12,9		43	107	60	45	14	☺
		DC150-03-13.000A1-	13		43	107	60	45	14	☺
		DC150-03-13.100A1-	13,1		43	107	60	45	14	☺
		DC150-03-13.200A1-	13,2		43	107	60	45	14	☺
		DC150-03-13.300A1-	13,3		43	107	60	45	14	☺
		DC150-03-13.494A1-	13,494	17/32"	43	107	60	45	14	☺
		DC150-03-13.500A1-	13,5		43	107	60	45	14	☺
		DC150-03-13.800A1-	13,8		43	107	60	45	14	☺
		DC150-03-14.000A1-	14		43	107	60	45	14	☺
		DC150-03-14.100A1-	14,1		45	115	65	48	16	☺
		DC150-03-14.200A1-	14,2		45	115	65	48	16	☺
		DC150-03-14.288A1-	14,288	9/16"	45	115	65	48	16	☺
		DC150-03-14.500A1-	14,5		45	115	65	48	16	☺
		DC150-03-14.600A1-	14,6		45	115	65	48	16	☺
		DC150-03-14.700A1-	14,7		45	115	65	48	16	☺
		DC150-03-15.000A1-	15		45	115	65	48	16	☺
		DC150-03-15.100A1-	15,1		45	115	65	48	16	☺
		DC150-03-15.300A1-	15,3		45	115	65	48	16	☺
	DC150-03-15.500A1-	15,5		45	115	65	48	16	☺	
	DC150-03-15.700A1-	15,7		45	115	65	48	16	☺	
	DC150-03-15.800A1-	15,8		45	115	65	48	16	☺	
	DC150-03-15.875A1-	15,875	5/8"	45	115	65	48	16	☺	
	DC150-03-16.000A1-	16		45	115	65	48	16	☺	
	DC150-03-16.300A1-	16,3		51	123	73	48	18	☺	
	DC150-03-16.500A1-	16,5		51	123	73	48	18	☺	
	DC150-03-16.700A1-	16,7		51	123	73	48	18	☺	
	DC150-03-17.000A1-	17		51	123	73	48	18	☺	
	DC150-03-17.500A1-	17,5		51	123	73	48	18	☺	
	DC150-03-18.000A1-	18		51	123	73	48	18	☺	
	DC150-03-18.500A1-	18,5		55	131	79	50	20	☺	
	DC150-03-19.000A1-	19		55	131	79	50	20	☺	
	DC150-03-19.050A1-	19,05	3/4"	55	131	79	50	20	☺	
	DC150-03-20.000A1-	20		55	131	79	50	20	☺	
	Shank DIN 6535 HE	DC150-03-03.000F1-	3		14	62	20	6	☺	
		DC150-03-03.300F1-	3,3		14	62	20	6	☺	
		DC150-03-03.400F1-	3,4		14	62	20	6	☺	
		DC150-03-03.500F1-	3,5		14	62	20	6	☺	
		DC150-03-03.700F1-	3,7		14	62	20	6	☺	
		DC150-03-03.800F1-	3,8		17	66	24	36	6	☺

Ordering example for the WJ30RE grade: DC150-03-03.000A1-WJ30RE

Continued





Continued

		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
	Shank DIN 6535 HE	DC150-03-04.000F1-	4	17	66	24	36	6	☺
		DC150-03-04.200F1-	4,2	17	66	24	36	6	☺
		DC150-03-04.300F1-	4,3	17	66	24	36	6	☺
		DC150-03-04.500F1-	4,5	17	66	24	36	6	☺
		DC150-03-04.800F1-	4,8	20	66	28	36	6	☺
		DC150-03-05.000F1-	5	20	66	28	36	6	☺
		DC150-03-05.100F1-	5,1	20	66	28	36	6	☺
		DC150-03-05.300F1-	5,3	20	66	28	36	6	☺
		DC150-03-05.500F1-	5,5	20	66	28	36	6	☺
		DC150-03-06.000F1-	6	20	66	28	36	6	☺
		DC150-03-06.500F1-	6,5	24	79	34	36	8	☺
		DC150-03-06.700F1-	6,7	24	79	34	36	8	☺
		DC150-03-06.800F1-	6,8	24	79	34	36	8	☺
		DC150-03-07.000F1-	7	24	79	34	36	8	☺
		DC150-03-07.500F1-	7,5	29	79	41	36	8	☺
		DC150-03-07.800F1-	7,8	29	79	41	36	8	☺
		DC150-03-08.000F1-	8	29	79	41	36	8	☺
		DC150-03-08.500F1-	8,5	35	89	47	40	10	☺
		DC150-03-08.600F1-	8,6	35	89	47	40	10	☺
		DC150-03-08.800F1-	8,8	35	89	47	40	10	☺
	DC150-03-09.000F1-	9	35	89	47	40	10	☺	
	DC150-03-10.000F1-	10	35	89	47	40	10	☺	
	DC150-03-10.200F1-	10,2	40	102	55	45	12	☺	
	DC150-03-10.300F1-	10,3	40	102	55	45	12	☺	
	DC150-03-10.500F1-	10,5	40	102	55	45	12	☺	
	DC150-03-10.800F1-	10,8	40	102	55	45	12	☺	
	DC150-03-11.000F1-	11	40	102	55	45	12	☺	
	DC150-03-11.800F1-	11,8	40	102	55	45	12	☺	
	DC150-03-12.000F1-	12	40	102	55	45	12	☺	
	DC150-03-12.200F1-	12,2	43	107	60	45	14	☺	
	DC150-03-12.500F1-	12,5	43	107	60	45	14	☺	
	DC150-03-13.000F1-	13	43	107	60	45	14	☺	
	DC150-03-14.000F1-	14	43	107	60	45	14	☺	
	DC150-03-15.000F1-	15	45	115	65	48	16	☺	
	DC150-03-15.500F1-	15,5	45	115	65	48	16	☺	
	DC150-03-16.000F1-	16	45	115	65	48	16	☺	
	DC150-03-16.500F1-	16,5	51	123	73	48	18	☺	
	DC150-03-17.000F1-	17	51	123	73	48	18	☺	
	DC150-03-17.500F1-	17,5	51	123	73	48	18	☺	
	DC150-03-18.000F1-	18	51	123	73	48	18	☺	
	DC150-03-19.000F1-	19	55	131	79	50	20	☺	
	DC150-03-20.000F1-	20	55	131	79	50	20	☺	

Ordering example for the WJ30RE grade: DC150-03-03.000A1-WJ30RE

WALTER SELECT

Best tool for

☺  
Good

☹  
Average

☹  
Poor

machining conditions

•• Primary application

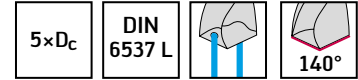
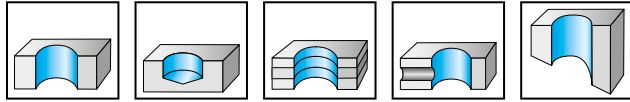
• Other application

38-40

9

# Coolant-through solid carbide drill

## DC150 Perform



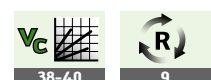
P	M	K	N	S	H	O
●	●	●	●	●	●	●

WJ30RE

Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
DC150-05-03.000A1-	3		23	66	28	36	6	●
DC150-05-03.100A1-	3,1		23	66	28	36	6	●
DC150-05-03.175A1-	3,175	1/8"	23	66	28	36	6	●
DC150-05-03.200A1-	3,2		23	66	28	36	6	●
DC150-05-03.250A1-	3,25		23	66	28	36	6	●
DC150-05-03.300A1-	3,3		23	66	28	36	6	●
DC150-05-03.400A1-	3,4		23	66	28	36	6	●
DC150-05-03.500A1-	3,5		23	66	28	36	6	●
DC150-05-03.572A1-	3,572	9/64"	23	66	28	36	6	●
DC150-05-03.600A1-	3,6		23	66	28	36	6	●
DC150-05-03.650A1-	3,65		23	66	28	36	6	●
DC150-05-03.700A1-	3,7		23	66	28	36	6	●
DC150-05-03.800A1-	3,8		29	74	36	36	6	●
DC150-05-03.900A1-	3,9		29	74	36	36	6	●
DC150-05-03.969A1-	3,969	5/32"	29	74	36	36	6	●
DC150-05-04.000A1-	4		29	74	36	36	6	●
DC150-05-04.100A1-	4,1		29	74	36	36	6	●
DC150-05-04.200A1-	4,2		29	74	36	36	6	●
DC150-05-04.300A1-	4,3		29	74	36	36	6	●
DC150-05-04.366A1-	4,366	11/64"	29	74	36	36	6	●
DC150-05-04.400A1-	4,4		29	74	36	36	6	●
DC150-05-04.500A1-	4,5		29	74	36	36	6	●
DC150-05-04.600A1-	4,6		29	74	36	36	6	●
DC150-05-04.650A1-	4,65		29	74	36	36	6	●
DC150-05-04.700A1-	4,7		29	74	36	36	6	●
DC150-05-04.763A1-	4,763	3/16"	35	82	44	36	6	●
DC150-05-04.800A1-	4,8		35	82	44	36	6	●
DC150-05-04.900A1-	4,9		35	82	44	36	6	●
DC150-05-05.000A1-	5		35	82	44	36	6	●
DC150-05-05.100A1-	5,1		35	82	44	36	6	●
DC150-05-05.159A1-	5,159	13/64"	35	82	44	36	6	●
DC150-05-05.200A1-	5,2		35	82	44	36	6	●
DC150-05-05.300A1-	5,3		35	82	44	36	6	●
DC150-05-05.400A1-	5,4		35	82	44	36	6	●
DC150-05-05.500A1-	5,5		35	82	44	36	6	●
DC150-05-05.550A1-	5,55		35	82	44	36	6	●
DC150-05-05.556A1-	5,556	7/32"	35	82	44	36	6	●
DC150-05-05.600A1-	5,6		35	82	44	36	6	●
DC150-05-05.700A1-	5,7		35	82	44	36	6	●
DC150-05-05.800A1-	5,8		35	82	44	36	6	●
DC150-05-05.900A1-	5,9		35	82	44	36	6	●
DC150-05-05.953A1-	5,953	15/64"	35	82	44	36	6	●
DC150-05-06.000A1-	6		35	82	44	36	6	●
DC150-05-06.100A1-	6,1		43	91	53	36	8	●
DC150-05-06.200A1-	6,2		43	91	53	36	8	●
DC150-05-06.300A1-	6,3		43	91	53	36	8	●
DC150-05-06.350A1-	6,35	1/4"	43	91	53	36	8	●

Ordering example for the WJ30RE grade: DC150-05-03.000A1-WJ30RE

Continued



Continued

	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
	Shank DIN 6535 HA	DC150-05-06.400A1-	6,4	43	91	53	36	8	☺
	DC150-05-06.500A1-	6,5		43	91	53	36	8	☺
	DC150-05-06.600A1-	6,6		43	91	53	36	8	☺
	DC150-05-06.700A1-	6,7		43	91	53	36	8	☺
	DC150-05-06.747A1-	6,747	17/64"	43	91	53	36	8	☺
	DC150-05-06.800A1-	6,8		43	91	53	36	8	☺
	DC150-05-06.900A1-	6,9		43	91	53	36	8	☺
	DC150-05-07.000A1-	7		43	91	53	36	8	☺
	DC150-05-07.100A1-	7,1		43	91	53	36	8	☺
	DC150-05-07.144A1-	7,144	9/32"	43	91	53	36	8	☺
	DC150-05-07.200A1-	7,2		43	91	53	36	8	☺
	DC150-05-07.300A1-	7,3		43	91	53	36	8	☺
	DC150-05-07.400A1-	7,4		43	91	53	36	8	☺
	DC150-05-07.500A1-	7,5		43	91	53	36	8	☺
	DC150-05-07.541A1-	7,541	19/64"	43	91	53	36	8	☺
	DC150-05-07.550A1-	7,55		43	91	53	36	8	☺
	DC150-05-07.600A1-	7,6		43	91	53	36	8	☺
	DC150-05-07.700A1-	7,7		43	91	53	36	8	☺
	DC150-05-07.800A1-	7,8		43	91	53	36	8	☺
	DC150-05-07.900A1-	7,9		43	91	53	36	8	☺
	DC150-05-07.938A1-	7,938	5/16"	43	91	53	36	8	☺
	DC150-05-08.000A1-	8		43	91	53	36	8	☺
	DC150-05-08.100A1-	8,1		49	103	61	40	10	☺
	DC150-05-08.200A1-	8,2		49	103	61	40	10	☺
	DC150-05-08.300A1-	8,3		49	103	61	40	10	☺
	DC150-05-08.334A1-	8,334	21/64"	49	103	61	40	10	☺
	DC150-05-08.400A1-	8,4		49	103	61	40	10	☺
	DC150-05-08.500A1-	8,5		49	103	61	40	10	☺
	DC150-05-08.600A1-	8,6		49	103	61	40	10	☺
	DC150-05-08.700A1-	8,7		49	103	61	40	10	☺
	DC150-05-08.731A1-	8,731	11/32"	49	103	61	40	10	☺
	DC150-05-08.800A1-	8,8		49	103	61	40	10	☺
	DC150-05-08.900A1-	8,9		49	103	61	40	10	☺
	DC150-05-09.000A1-	9		49	103	61	40	10	☺
	DC150-05-09.100A1-	9,1		49	103	61	40	10	☺
	DC150-05-09.128A1-	9,128	23/64"	49	103	61	40	10	☺
	DC150-05-09.200A1-	9,2		49	103	61	40	10	☺
	DC150-05-09.300A1-	9,3		49	103	61	40	10	☺
	DC150-05-09.400A1-	9,4		49	103	61	40	10	☺
	DC150-05-09.500A1-	9,4		49	103	61	40	10	☺
DC150-05-09.525A1-	9,525	3/8"	49	103	61	40	10	☺	
DC150-05-09.550A1-	9,55		49	103	61	40	10	☺	
DC150-05-09.600A1-	9,6		49	103	61	40	10	☺	
DC150-05-09.700A1-	9,7		49	103	61	40	10	☺	
DC150-05-09.800A1-	9,8		49	103	61	40	10	☺	
DC150-05-09.900A1-	9,9		49	103	61	40	10	☺	
DC150-05-09.922A1-	9,922	25/64"	49	103	61	40	10	☺	
DC150-05-10.000A1-	10		49	103	61	40	10	☺	
DC150-05-10.100A1-	10,1		56	118	71	45	12	☺	
DC150-05-10.200A1-	10,2		56	118	71	45	12	☺	
DC150-05-10.300A1-	10,3		56	118	71	45	12	☺	
DC150-05-10.319A1-	10,319	13/32"	56	118	71	45	12	☺	
DC150-05-10.400A1-	10,4		56	118	71	45	12	☺	
DC150-05-10.500A1-	10,5		56	118	71	45	12	☺	
DC150-05-10.600A1-	10,6		56	118	71	45	12	☺	
DC150-05-10.700A1-	10,7		56	118	71	45	12	☺	
DC150-05-10.716A1-	10,716	27/64"	56	118	71	45	12	☺	

Ordering example for the WJ30RE grade: DC150-05-03.000A1-WJ30RE

Continued

WALTER SELECT

Best tool for

 Good
 Average
 Poor

Primary application

Other application

machining conditions

38-40

9

Continued

	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
	Shank DIN 6535 HA								
	DC150-05-10.800A1-	10,8		56	118	71	45	12	WJ30RE
	DC150-05-10.900A1-	10,9		56	118	71	45	12	WJ30RE
	DC150-05-11.000A1-	11		56	118	71	45	12	WJ30RE
	DC150-05-11.100A1-	11,1		56	118	71	45	12	WJ30RE
	DC150-05-11.113A1-	11,113	7/16"	56	118	71	45	12	WJ30RE
	DC150-05-11.200A1-	11,2		56	118	71	45	12	WJ30RE
	DC150-05-11.300A1-	11,3		56	118	71	45	12	WJ30RE
	DC150-05-11.400A1-	11,4		56	118	71	45	12	WJ30RE
	DC150-05-11.500A1-	11,5		56	118	71	45	12	WJ30RE
	DC150-05-11.509A1-	11,509	29/64"	56	118	71	45	12	WJ30RE
	DC150-05-11.600A1-	11,6		56	118	71	45	12	WJ30RE
	DC150-05-11.700A1-	11,7		56	118	71	45	12	WJ30RE
	DC150-05-11.800A1-	11,8		56	118	71	45	12	WJ30RE
	DC150-05-11.900A1-	11,9		56	118	71	45	12	WJ30RE
	DC150-05-11.906A1-	11,906	15/32"	56	118	71	45	12	WJ30RE
	DC150-05-12.000A1-	12		56	118	71	45	12	WJ30RE
	DC150-05-12.100A1-	12,1		60	124	77	45	14	WJ30RE
	DC150-05-12.200A1-	12,2		60	124	77	45	14	WJ30RE
	DC150-05-12.250A1-	12,25		60	124	77	45	14	WJ30RE
	DC150-05-12.300A1-	12,3		60	124	77	45	14	WJ30RE
	DC150-05-12.303A1-	12,303	31/64"	60	124	77	45	14	WJ30RE
	DC150-05-12.400A1-	12,4		60	124	77	45	14	WJ30RE
	DC150-05-13.100A1-	12,4		60	124	77	45	14	WJ30RE
	DC150-05-12.500A1-	12,5		60	124	77	45	14	WJ30RE
	DC150-05-12.600A1-	12,6		60	124	77	45	14	WJ30RE
	DC150-05-12.700A1-	12,7	1/2"	60	124	77	45	14	WJ30RE
	DC150-05-12.800A1-	12,8		60	124	77	45	14	WJ30RE
	DC150-05-12.900A1-	12,9		60	124	77	45	14	WJ30RE
	DC150-05-13.000A1-	13		60	124	77	45	14	WJ30RE
	DC150-05-13.200A1-	13,2		60	124	77	45	14	WJ30RE
	DC150-05-13.300A1-	13,3		60	124	77	45	14	WJ30RE
	DC150-05-13.400A1-	13,4		60	124	77	45	14	WJ30RE
	DC150-05-13.494A1-	13,494	17/32"	60	124	77	45	14	WJ30RE
DC150-05-13.500A1-	13,5		60	124	77	45	14	WJ30RE	
DC150-05-13.600A1-	13,6		60	124	77	45	14	WJ30RE	
DC150-05-13.700A1-	13,7		60	124	77	45	14	WJ30RE	
DC150-05-13.800A1-	13,8		60	124	77	45	14	WJ30RE	
DC150-05-13.900A1-	13,9		60	124	77	45	14	WJ30RE	
DC150-05-14.000A1-	14		60	124	77	45	14	WJ30RE	
DC150-05-14.100A1-	14,1		63	133	83	48	16	WJ30RE	
DC150-05-14.200A1-	14,2		63	133	83	48	16	WJ30RE	
DC150-05-14.288A1-	14,288	9/16"	63	133	83	48	16	WJ30RE	
DC150-05-14.300A1-	14,3		63	133	83	48	16	WJ30RE	
DC150-05-14.500A1-	14,5		63	133	83	48	16	WJ30RE	
DC150-05-14.600A1-	14,6		63	133	83	48	16	WJ30RE	
DC150-05-14.700A1-	14,7		63	133	83	48	16	WJ30RE	
DC150-05-14.750A1-	14,75		63	133	83	48	16	WJ30RE	
DC150-05-14.800A1-	14,8		63	133	83	48	16	WJ30RE	
DC150-05-15.000A1-	15		63	133	83	48	16	WJ30RE	
DC150-05-15.100A1-	15,1		63	133	83	48	16	WJ30RE	
DC150-05-15.200A1-	15,2		63	133	83	48	16	WJ30RE	
DC150-05-15.300A1-	15,3		63	133	83	48	16	WJ30RE	
DC150-05-15.500A1-	15,5		63	133	83	48	16	WJ30RE	
DC150-05-15.600A1-	15,6		63	133	83	48	16	WJ30RE	
DC150-05-15.700A1-	15,7		63	133	83	48	16	WJ30RE	
DC150-05-15.800A1-	15,8		63	133	83	48	16	WJ30RE	
DC150-05-15.875A1-	15,875	5/8"	63	133	83	48	16	WJ30RE	
DC150-05-16.000A1-	16		63	133	83	48	16	WJ30RE	
DC150-05-16.100A1-	16,1		71	143	93	48	18	WJ30RE	
DC150-05-16.200A1-	16,2		71	143	93	48	18	WJ30RE	
DC150-05-16.300A1-	16,3		71	143	93	48	18	WJ30RE	

Ordering example for the WJ30RE grade: DC150-05-03.000A1-WJ30RE

Continued

Continued

	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
Shank DIN 6535 HA 	DC150-05-16.500A1-	16,5		71	143	93	48	18	☺
	DC150-05-16.700A1-	16,7		71	143	93	48	18	☺
	DC150-05-16.750A1-	16,75		71	143	93	48	18	☺
	DC150-05-17.000A1-	17		71	143	93	48	18	☺
	DC150-05-17.100A1-	17,1		71	143	93	48	18	☺
	DC150-05-17.200A1-	17,2		71	143	93	48	18	☺
	DC150-05-17.300A1-	17,3		71	143	93	48	18	☺
	DC150-05-17.500A1-	17,5		71	143	93	48	18	☺
	DC150-05-17.600A1-	17,6		71	143	93	48	18	☺
	DC150-05-17.700A1-	17,7		71	143	93	48	18	☺
	DC150-05-17.800A1-	17,8		71	143	93	48	18	☺
	DC150-05-17.900A1-	17,9		71	143	93	48	18	☺
	DC150-05-18.000A1-	18		71	143	93	48	18	☺
	DC150-05-18.500A1-	18,5		77	153	101	50	20	☺
	DC150-05-18.900A1-	18,9		77	153	101	50	20	☺
	DC150-05-19.000A1-	19		77	153	101	50	20	☺
	DC150-05-19.050A1-	19,05	3/4"	77	153	101	50	20	☺
	DC150-05-19.300A1-	19,3		77	153	101	50	20	☺
	DC150-05-19.500A1-	19,5		77	153	101	50	20	☺
	DC150-05-19.700A1-	19,7		77	153	101	50	20	☺
DC150-05-19.800A1-	19,8		77	153	101	50	20	☺	
DC150-05-20.000A1-	20		77	153	101	50	20	☺	
Shank DIN 6535 HE 	DC150-05-03.000F1-	3		23	66	28	36	6	☺
	DC150-05-03.100F1-	3,1		23	66	28	36	6	☺
	DC150-05-03.200F1-	3,2		23	66	28	36	6	☺
	DC150-05-03.300F1-	3,3		23	66	28	36	6	☺
	DC150-05-03.400F1-	3,4		23	66	28	36	6	☺
	DC150-05-03.500F1-	3,5		23	66	28	36	6	☺
	DC150-05-03.600F1-	3,6		23	66	28	36	6	☺
	DC150-05-03.700F1-	3,7		23	66	28	36	6	☺
	DC150-05-03.800F1-	3,8		29	74	36	36	6	☺
	DC150-05-03.900F1-	3,9		29	74	36	36	6	☺
	DC150-05-04.000F1-	4		29	74	36	36	6	☺
	DC150-05-04.100F1-	4,1		29	74	36	36	6	☺
	DC150-05-04.200F1-	4,2		29	74	36	36	6	☺
	DC150-05-04.300F1-	4,3		29	74	36	36	6	☺
	DC150-05-04.400F1-	4,4		29	74	36	36	6	☺
	DC150-05-04.500F1-	4,5		29	74	36	36	6	☺
	DC150-05-04.600F1-	4,6		29	74	36	36	6	☺
	DC150-05-04.650F1-	4,65		29	74	36	36	6	☺
	DC150-05-04.700F1-	4,7		29	74	36	36	6	☺
	DC150-05-04.800F1-	4,8		35	82	44	36	6	☺
	DC150-05-04.900F1-	4,9		35	82	44	36	6	☺
	DC150-05-05.000F1-	5		35	82	44	36	6	☺
	DC150-05-05.100F1-	5,1		35	82	44	36	6	☺
	DC150-05-05.200F1-	5,2		35	82	44	36	6	☺
	DC150-05-05.300F1-	5,3		35	82	44	36	6	☺
	DC150-05-05.400F1-	5,4		35	82	44	36	6	☺
	DC150-05-05.500F1-	5,5		35	82	44	36	6	☺
	DC150-05-05.550F1-	5,55		35	82	44	36	6	☺
	DC150-05-05.600F1-	5,6		35	82	44	36	6	☺
	DC150-05-05.700F1-	5,7		35	82	44	36	6	☺
	DC150-05-05.800F1-	5,8		35	82	44	36	6	☺
	DC150-05-05.900F1-	5,9		35	82	44	36	6	☺
DC150-05-06.000F1-	6		35	82	44	36	6	☺	
DC150-05-06.100F1-	6,1		43	91	53	36	8	☺	
DC150-05-06.200F1-	6,2		43	91	53	36	8	☺	

Ordering example for the WJ30RE grade: DC150-05-03.000A1-WJ30RE

Continued

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

•• Primary application

• Other application

38-40

9

Continued

	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
	DC150-05-06.300F1-	6,2		43	91	53	36	8	⊗
	DC150-05-06.400F1-	6,4		43	91	53	36	8	⊗
	DC150-05-06.500F1-	6,5		43	91	53	36	8	⊗
	DC150-05-06.600F1-	6,6		43	91	53	36	8	⊗
	DC150-05-06.700F1-	6,7		43	91	53	36	8	⊗
	DC150-05-06.800F1-	6,8		43	91	53	36	8	⊗
	DC150-05-06.900F1-	6,9		43	91	53	36	8	⊗
	DC150-05-07.000F1-	7		43	91	53	36	8	⊗
	DC150-05-07.100F1-	7,1		43	91	53	36	8	⊗
	DC150-05-07.200F1-	7,2		43	91	53	36	8	⊗
	DC150-05-07.300F1-	7,3		43	91	53	36	8	⊗
	DC150-05-07.400F1-	7,4		43	91	53	36	8	⊗
	DC150-05-07.500F1-	7,5		43	91	53	36	8	⊗
	DC150-05-07.600F1-	7,6		43	91	53	36	8	⊗
	DC150-05-07.700F1-	7,7		43	91	53	36	8	⊗
	DC150-05-07.800F1-	7,8		43	91	53	36	8	⊗
	DC150-05-07.900F1-	7,9		43	91	53	36	8	⊗
	DC150-05-08.000F1-	8		43	91	53	36	8	⊗
	DC150-05-08.100F1-	8,1		49	103	61	40	10	⊗
	DC150-05-08.200F1-	8,2		49	103	61	40	10	⊗
	DC150-05-08.300F1-	8,3		49	103	61	40	10	⊗
	DC150-05-08.400F1-	8,4		49	103	61	40	10	⊗
	DC150-05-08.500F1-	8,5		49	103	61	40	10	⊗
	DC150-05-08.600F1-	8,6		49	103	61	40	10	⊗
	DC150-05-08.700F1-	8,7		49	103	61	40	10	⊗
	DC150-05-08.800F1-	8,8		49	103	61	40	10	⊗
	DC150-05-09.000F1-	9		49	103	61	40	10	⊗
	DC150-05-09.100F1-	9,1		49	103	61	40	10	⊗
	DC150-05-09.200F1-	9,2		49	103	61	40	10	⊗
	DC150-05-09.300F1-	9,3		49	103	61	40	10	⊗
	DC150-05-09.400F1-	9,4		49	103	61	40	10	⊗
	DC150-05-09.500F1-	9,5		49	103	61	40	10	⊗
	DC150-05-09.600F1-	9,6		49	103	61	40	10	⊗
	DC150-05-09.700F1-	9,7		49	103	61	40	10	⊗
	DC150-05-09.800F1-	9,8		49	103	61	40	10	⊗
DC150-05-09.900F1-	9,9		49	103	61	40	10	⊗	
DC150-05-10.000F1-	10		49	103	61	40	10	⊗	
DC150-05-10.100F1-	10,1		56	118	71	45	12	⊗	
DC150-05-10.200F1-	10,2		56	118	71	45	12	⊗	
DC150-05-10.300F1-	10,3		56	118	71	45	12	⊗	
DC150-05-10.400F1-	10,4		56	118	71	45	12	⊗	
DC150-05-10.500F1-	10,5		56	118	71	45	12	⊗	
DC150-05-10.600F1-	10,6		56	118	71	45	12	⊗	
DC150-05-10.800F1-	10,8		56	118	71	45	12	⊗	
DC150-05-11.000F1-	11		56	118	71	45	12	⊗	
DC150-05-11.100F1-	11,1		56	118	71	45	12	⊗	
DC150-05-11.200F1-	11,2		56	118	71	45	12	⊗	
DC150-05-11.300F1-	11,3		56	118	71	45	12	⊗	
DC150-05-11.500F1-	11,5		56	118	71	45	12	⊗	
DC150-05-11.600F1-	11,6		56	118	71	45	12	⊗	
DC150-05-11.700F1-	11,7		56	118	71	45	12	⊗	
DC150-05-11.800F1-	11,8		56	118	71	45	12	⊗	
DC150-05-11.900F1-	11,9		56	118	71	45	12	⊗	
DC150-05-12.000F1-	12		56	118	71	45	12	⊗	
DC150-05-12.100F1-	12,1		60	124	77	45	14	⊗	
DC150-05-12.200F1-	12,2		60	124	77	45	14	⊗	
DC150-05-12.300F1-	12,3		60	124	77	45	14	⊗	
DC150-05-12.400F1-	12,4		60	124	77	45	14	⊗	
DC150-05-12.500F1-	12,5		60	124	77	45	14	⊗	
DC150-05-12.700F1-	12,7	1/2"	60	124	77	45	14	⊗	
DC150-05-12.800F1-	12,8		60	124	77	45	14	⊗	

Ordering example for the WJ30RE grade: DC150-05-03.000A1-WJ30RE

Continued



Continued

	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30RE
	DC150-05-13.000F1-	13		60	124	77	45	14	☺
	DC150-05-13.100F1-	13,1		60	124	77	45	14	☺
	DC150-05-13.200F1-	13,2		60	124	77	45	14	☺
	DC150-05-13.500F1-	13,5		60	124	77	45	14	☺
	DC150-05-13.800F1-	13,8		60	124	77	45	14	☺
	DC150-05-14.000F1-	14		60	124	77	45	14	☺
	DC150-05-14.100F1-	14,1		63	133	83	48	16	☺
	DC150-05-14.200F1-	14,2		63	133	83	48	16	☺
	DC150-05-14.300F1-	14,3		63	133	83	48	16	☺
	DC150-05-14.500F1-	14,5		63	133	83	48	16	☺
	DC150-05-14.600F1-	14,6		63	133	83	48	16	☺
	DC150-05-14.800F1-	14,8		63	133	83	48	16	☺
	DC150-05-15.000F1-	15		63	133	83	48	16	☺
	DC150-05-15.100F1-	15,1		63	133	83	48	16	☺
	DC150-05-15.200F1-	15,2		63	133	83	48	16	☺
	DC150-05-15.300F1-	15,3		63	133	83	48	16	☺
	DC150-05-15.500F1-	15,5		63	133	83	48	16	☺
	DC150-05-15.600F1-	15,6		63	133	83	48	16	☺
	DC150-05-15.700F1-	15,7		63	133	83	48	16	☺
	DC150-05-15.800F1-	15,8		63	133	83	48	16	☺
DC150-05-16.000F1-	16		63	133	83	48	16	☺	
DC150-05-16.500F1-	16,5		71	143	93	48	18	☺	
DC150-05-16.600F1-	16,6		71	143	93	48	18	☺	
DC150-05-17.000F1-	17		71	143	93	48	18	☺	
DC150-05-17.200F1-	17,2		71	143	93	48	18	☺	
DC150-05-17.300F1-	17,3		71	143	93	48	18	☺	
DC150-05-17.500F1-	17,5		71	143	93	48	18	☺	
DC150-05-17.700F1-	17,7		71	143	93	48	18	☺	
DC150-05-17.800F1-	17,8		71	143	93	48	18	☺	
DC150-05-18.000F1-	18		71	143	93	48	18	☺	
DC150-05-18.100F1-	18,1		77	153	101	50	20	☺	
DC150-05-18.500F1-	18,5		77	153	101	50	20	☺	
DC150-05-18.800F1-	18,8		77	153	101	50	20	☺	
DC150-05-19.000F1-	19		77	153	101	50	20	☺	
DC150-05-19.500F1-	19,5		77	153	101	50	20	☺	
DC150-05-19.700F1-	19,7		77	153	101	50	20	☺	
DC150-05-20.000F1-	20		77	153	101	50	20	☺	

Ordering example for the WJ30RE grade: DC150-05-03.000A1-WJ30RE

WALTER SELECT

Best tool for

☺  
Good

☹  
Average

☹  
Poor

machining conditions

•• Primary application

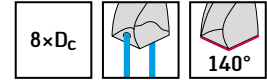
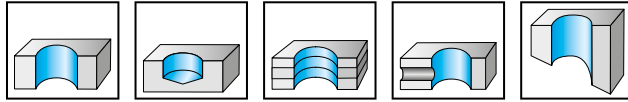
• Other application

38-40

9

# Coolant-through solid carbide drill

## DC150 Perform

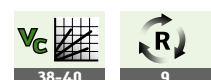


	P	M	K	N	S	H	O
WJ30TA	●	●	●	●	●	●	●

Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30TA
Shank DIN 6535 HA								
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	☺
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	☺

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

Continued





Continued

	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30TA	
	Shank DIN 6535 HA	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	☺	
	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	☺	

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

Continued

WALTER SELECT

Best tool for

 Good
 Average
 Poor

Primary application

Other application

machining conditions

38-40

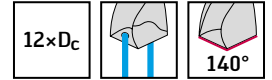
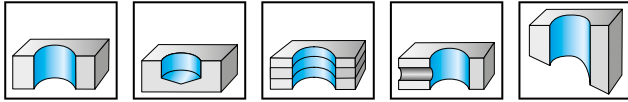
9

Continued

	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30TA
	Shank DIN 6535 HA								
	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

# Coolant-through solid carbide drill DC150 Perform

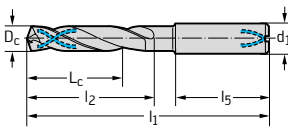


P	M	K	N	S	H	O
●	●	●	●	●	●	●

WJ30TA

Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30TA
DC150-12-03.000A1-	3		48	92	54	36	6	☺
DC150-12-03.100A1-	3,1		48	92	54	36	6	☺
DC150-12-03.175A1-	3,175	1/8"	48	92	54	36	6	☺
DC150-12-03.200A1-	3,2		48	92	54	36	6	☺
DC150-12-03.300A1-	3,3		48	92	54	36	6	☺
DC150-12-03.400A1-	3,4		48	92	54	36	6	☺
DC150-12-03.500A1-	3,5		48	92	54	36	6	☺
DC150-12-03.572A1-	3,572	9/64"	48	92	54	36	6	☺
DC150-12-03.600A1-	3,6		48	92	54	36	6	☺
DC150-12-03.700A1-	3,7		48	92	54	36	6	☺
DC150-12-03.800A1-	3,8		56	102	64	36	6	☺
DC150-12-03.900A1-	3,9		56	102	64	36	6	☺
DC150-12-03.969A1-	3,969	5/32"	56	102	64	36	6	☺
DC150-12-04.000A1-	4		56	102	64	36	6	☺
DC150-12-04.100A1-	4,1		56	102	64	36	6	☺
DC150-12-04.200A1-	4,2		56	102	64	36	6	☺
DC150-12-04.300A1-	4,3		56	102	64	36	6	☺
DC150-12-04.366A1-	4,366	11/64"	56	102	64	36	6	☺
DC150-12-04.400A1-	4,4		56	102	64	36	6	☺
DC150-12-04.500A1-	4,5		56	102	64	36	6	☺
DC150-12-04.600A1-	4,6		56	102	64	36	6	☺
DC150-12-04.700A1-	4,7		56	102	64	36	6	☺
DC150-12-04.763A1-	4,763	3/16"	74	121	83	36	6	☺
DC150-12-04.800A1-	4,8		74	121	83	36	6	☺
DC150-12-04.900A1-	4,9		74	121	83	36	6	☺
DC150-12-05.000A1-	5		74	121	83	36	6	☺
DC150-12-05.100A1-	5,1		74	121	83	36	6	☺
DC150-12-05.159A1-	5,159	13/64"	74	121	83	36	6	☺
DC150-12-05.200A1-	5,2		74	121	83	36	6	☺
DC150-12-05.300A1-	5,3		74	121	83	36	6	☺
DC150-12-05.400A1-	5,4		74	121	83	36	6	☺
DC150-12-05.500A1-	5,5		74	121	83	36	6	☺
DC150-12-05.550A1-	5,55		74	121	83	36	6	☺
DC150-12-05.556A1-	5,556	7/32"	74	121	83	36	6	☺
DC150-12-05.600A1-	5,6		74	121	83	36	6	☺
DC150-12-05.700A1-	5,7		74	121	83	36	6	☺
DC150-12-05.800A1-	5,8		74	121	83	36	6	☺
DC150-12-05.900A1-	5,9		74	121	83	36	6	☺
DC150-12-06.000A1-	6		74	121	83	36	6	☺
DC150-12-06.100A1-	6,1		98	148	110	36	8	☺
DC150-12-06.200A1-	6,2		98	148	110	36	8	☺
DC150-12-06.300A1-	6,3		98	148	110	36	8	☺
DC150-12-06.350A1-	6,35	1/4"	98	148	110	36	8	☺

Shank DIN 6535 HA



Ordering example for the WJ30TA grade: DC150-12-03.000A1-WJ30TA

Continued

WALTER SELECT

Best tool for

☺  
Good

☹  
Average

☹  
Poor

machining conditions

●● Primary application

● Other application

38-40

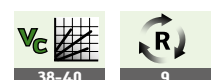
9

Continued

		D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30TA
Shank DIN 6535 HA 	DC150-12-06.400A1-	6,4		98	148	110	36	8	
	DC150-12-06.500A1-	6,5		98	148	110	36	8	
	DC150-12-06.600A1-	6,6		98	148	110	36	8	
	DC150-12-06.700A1-	6,7		98	148	110	36	8	
	DC150-12-06.747A1-	6,747	17/64"	98	148	110	36	8	
	DC150-12-06.800A1-	6,8		98	148	110	36	8	
	DC150-12-06.900A1-	6,9		98	148	110	36	8	
	DC150-12-07.000A1-	7		98	148	110	36	8	
	DC150-12-07.100A1-	7,1		98	148	110	36	8	
	DC150-12-07.144A1-	7,144	9/32"	98	148	110	36	8	
	DC150-12-07.200A1-	7,2		98	148	110	36	8	
	DC150-12-07.300A1-	7,3		98	148	110	36	8	
	DC150-12-07.400A1-	7,4		98	148	110	36	8	
	DC150-12-07.500A1-	7,5		98	148	110	36	8	
	DC150-12-07.541A1-	7,541	19/64"	98	148	110	36	8	
	DC150-12-07.800A1-	7,8		98	148	110	36	8	
	DC150-12-07.900A1-	7,9		98	148	110	36	8	
	DC150-12-07.938A1-	7,938	5/16"	98	148	110	36	8	
	DC150-12-08.000A1-	8		98	148	110	36	8	
	DC150-12-08.100A1-	8,1		123	180	138	40	10	
	DC150-12-08.200A1-	8,2		123	180	138	40	10	
	DC150-12-08.300A1-	8,3		123	180	138	40	10	
	DC150-12-08.400A1-	8,4		123	180	138	40	10	
	DC150-12-08.500A1-	8,5		123	180	138	40	10	
	DC150-12-08.600A1-	8,6		123	180	138	40	10	
	DC150-12-08.700A1-	8,7		123	180	138	40	10	
	DC150-12-08.731A1-	8,731	11/32"	123	180	138	40	10	
	DC150-12-08.800A1-	8,8		123	180	138	40	10	
	DC150-12-09.000A1-	9		123	180	138	40	10	
	DC150-12-09.128A1-	9,128	23/64"	123	180	138	40	10	
	DC150-12-09.200A1-	9,2		123	180	138	40	10	
	DC150-12-09.300A1-	9,3		123	180	138	40	10	
	DC150-12-09.500A1-	9,5		123	180	138	40	10	
	DC150-12-09.525A1-	9,525	3/8"	123	180	138	40	10	
	DC150-12-09.600A1-	9,6		123	180	138	40	10	
	DC150-12-09.700A1-	9,7		123	180	138	40	10	
	DC150-12-09.800A1-	9,8		123	180	138	40	10	
DC150-12-09.922A1-	9,922	25/64"	123	180	138	40	10		
DC150-12-10.000A1-	10		123	180	138	40	10		
DC150-12-10.100A1-	10,1		140	206	158	45	12		
DC150-12-10.200A1-	10,2		140	206	158	45	12		
DC150-12-10.300A1-	10,3		140	206	158	45	12		
DC150-12-10.319A1-	10,319	13/32"	140	206	158	45	12		
DC150-12-10.500A1-	10,5		140	206	158	45	12		
DC150-12-10.716A1-	10,716	27/64"	140	206	158	45	12		
DC150-12-10.800A1-	10,8		140	206	158	45	12		
DC150-12-11.000A1-	11		140	206	158	45	12		
DC150-12-11.100A1-	11,1		140	206	158	45	12		
DC150-12-11.113A1-	11,113	7/16"	140	206	158	45	12		
DC150-12-11.200A1-	11,2		140	206	158	45	12		
DC150-12-11.500A1-	11,5		140	206	158	45	12		
DC150-12-11.509A1-	11,509	29/64"	140	206	158	45	12		
DC150-12-11.700A1-	11,7		140	206	158	45	12		
DC150-12-11.800A1-	11,8		140	206	158	45	12		
DC150-12-11.906A1-	11,906	15/32"	140	206	158	45	12		
DC150-12-12.000A1-	12		140	206	158	45	12		
DC150-12-12.100A1-	12,1		168	230	182	45	14		
DC150-12-12.200A1-	12,2		168	230	182	45	14		
DC150-12-12.300A1-	12,3		168	230	182	45	14		
DC150-12-12.303A1-	12,303	31/64"	168	230	182	45	14		
DC150-12-12.500A1-	12,5		168	230	182	45	14		

Ordering example for the WJ30TA grade: DC150-12-03.000A1-WJ30TA

Continued



Continued

	Designation	D <sub>c</sub> m7 mm	D <sub>c</sub> Inch/no.	L <sub>c</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>5</sub> mm	d <sub>1</sub> h6 mm	WJ30TA
	Shank DIN 6535 HA								
	DC150-12-12.600A1-	12,6		168	230	182	45	14	☺
	DC150-12-12.700A1-	12,7	1/2"	168	230	182	45	14	☺
	DC150-12-13.000A1-	13		168	230	182	45	14	☺
	DC150-12-13.494A1-	13,494	17/32"	168	230	182	45	14	☺
	DC150-12-13.500A1-	13,5		168	230	182	45	14	☺
	DC150-12-14.000A1-	14		168	230	182	45	14	☺
	DC150-12-14.288A1-	14,288	9/16"	192	260	208	48	16	☺
	DC150-12-14.500A1-	14,5		192	260	208	48	16	☺
	DC150-12-15.000A1-	15		192	260	208	48	16	☺
	DC150-12-15.500A1-	15,5		192	260	208	48	16	☺
	DC150-12-15.875A1-	15,875	5/8"	192	260	208	48	16	☺
	DC150-12-16.000A1-	16		192	260	208	48	16	☺
	DC150-12-16.500A1-	16,5		216	285	234	48	18	☺
	DC150-12-17.000A1-	17		216	285	234	48	18	☺
	DC150-12-17.500A1-	17,5		216	285	234	48	18	☺
	DC150-12-18.000A1-	18		216	285	234	48	18	☺
	DC150-12-19.000A1-	19		238	310	258	50	20	☺
	DC150-12-20.000A1-	20		238	310	258	50	20	☺

Ordering example for the WJ30TA grade: DC150-12-03.000A1-WJ30TA

WALTER SELECT

Best tool for

☺  
Good

☹  
Average

☹  
Poor

machining conditions

•• Primary application

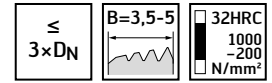
• Other application

38-40

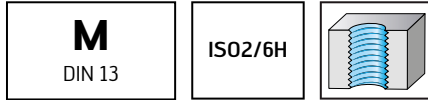
9

# HSS-E machine taps

## TC216 Perform

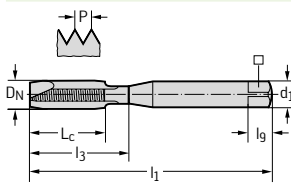


– For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●	●	●	●			
WY80FC	●	●	●	●			

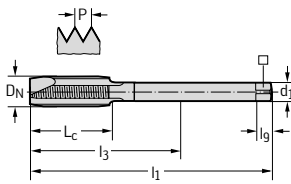
### DIN 371



Designation	$D_N$	P mm	$l_1$ mm	$L_c$ mm	$l_3$ mm	$d_1$ h9 mm	mm	$l_g$ mm	N	WY80AA	WY80FC
TC216-M3-C0-	M 3	0,5	56	9	18	3,5	2,7	6	2	●	●
TC216-M4-C0-	M 4	0,7	63	12	21	4,5	3,4	6	3	●	●
TC216-M5-C0-	M 5	0,8	70	13	25	6	4,9	8	3	●	●
TC216-M6-C0-	M 6	1	80	15	30	6	4,9	8	3	●	●
TC216-M8-C0-	M 8	1,25	90	18	35	8	6,2	9	3	●	●
TC216-M10-C0-	M 10	1,5	100	20	39	10	8	11	3	●	●

Ordering example for the WY80FC grade: TC216-M3-C0-WY80FC

### DIN 376



Designation	$D_N$	P mm	$l_1$ mm	$L_c$ mm	$l_3$ mm	$d_1$ h9 mm	mm	$l_g$ mm	N	WY80AA	WY80FC
TC216-M12-L0-	M 12	1,75	110	23	83	9	7	10	3	●	●
TC216-M14-L0-	M 14	2	110	25	81	11	9	12	4	●	●
TC216-M16-L0-	M 16	2	110	25	68	12	9	12	4	●	●
TC216-M20-L0-	M 20	2,5	140	30	95	16	12	15	4	●	●

Ordering example for the WY80FC grade: TC216-M12-L0-WY80FC

# HSS-E machine taps TC115 Perform



– For long-chipping materials

≤  
3×DN

C=2-3

45°

32HRC  
1000  
-200  
N/mm²

**M**  
DIN 13

ISO2/6H

	P	M	K	N	S	H	O
WY80AA	●	●	●	●			
WY80FC	●	●	●	●			

### DIN 371

Designation	D <sub>N</sub>	P mm	l <sub>1</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>1</sub> h9 mm	mm	l <sub>g</sub> mm	N	WY80AA	WY80FC
TC115-M3-C0-	M 3	0,5	56	6	18	3,5	2,7	6	3	●	●
TC115-M4-C0-	M 4	0,7	63	7	21	4,5	3,4	6	3	●	●
TC115-M5-C0-	M 5	0,8	70	8	25	6	4,9	8	3	●	●
TC115-M6-C0-	M 6	1	80	10	30	6	4,9	8	3	●	●
TC115-M8-C0-	M 8	1,25	90	12	35	8	6,2	9	3	●	●
TC115-M10-C0-	M 10	1,5	100	15	39	10	8	11	3	●	●

Ordering example for the WY80FC grade: TC115-M3-C0-WY80FC

### DIN 376

Designation	D <sub>N</sub>	P mm	l <sub>1</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>1</sub> h9 mm	mm	l <sub>g</sub> mm	N	WY80AA	WY80FC
TC115-M12-L0-	M 12	1,75	110	16	83	9	7	10	3	●	●
TC115-M14-L0-	M 14	2	110	20	81	11	9	12	3	●	●
TC115-M16-L0-	M 16	2	110	20	68	12	9	12	3	●	●
TC115-M20-L0-	M 20	2,5	140	25	95	16	12	15	4	●	●

Ordering example for the WY80FC grade: TC115-M12-L0-WY80FC

WALTER SELECT

Best tool for

😊  
Good

😐  
Average

😞  
Poor

machining conditions

●● Primary application

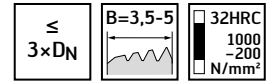
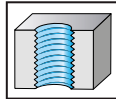
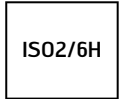
● Other application

# HSS-E machine taps

## TC216 Perform

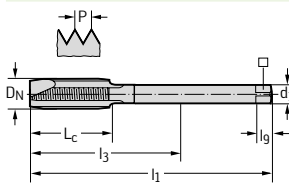


– For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●	●	●	●			
WY80FC	●	●	●	●			

### DIN 374



Designation	D <sub>N</sub>	P mm	l <sub>1</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>1</sub> h9 mm	□ mm	l <sub>9</sub> mm	N	WY80AA	WY80FC
TC216-M8X1-L0-	MF 8x1	1	90	18	67	6	4,9	8	3	●	●
TC216-M10X1-L0-	MF 10x1	1	90	20	67	7	5,5	8	3	●	●
TC216-M12X1.25-L0-	MF 12x1.25	1,25	100	21	73	9	7	10	4	●	●
TC216-M12X1.5-L0-	MF 12x1.5	1,5	100	21	73	9	7	10	4	●	●
TC216-M14X1.5-L0-	MF 14x1.5	1,5	100	21	71	11	9	12	4	●	●
TC216-M16X1.5-L0-	MF 16x1.5	1,5	100	21	58	12	9	12	4	●	●
TC216-M18X1.5-L0-	MF 18x1.5	1,5	110	24	66	14	11	14	4	●	●

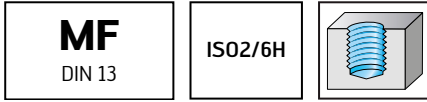
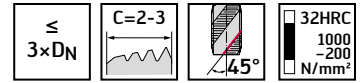
Ordering example for the WY80FC grade: TC216-M8X1-L0-WY80FC



# HSS-E machine taps TC115 Perform



– For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●	●	●	●			
WY80FC	●	●	●	●			

DIN 374	Designation	D <sub>N</sub>	P mm	l <sub>1</sub> mm	L <sub>c</sub> mm	l <sub>3</sub> mm	d <sub>1</sub> h9 mm	□ mm	l <sub>g</sub> mm	N	WY80AA	WY80FC
											WY80AA	WY80FC
	TC115-M8X1-L0-	MF 8x1	1	90	12	67	6	4,9	8	3	●	●
	TC115-M10X1-L0-	MF 10x1	1	90	12	67	7	5,5	8	3	●	●
	TC115-M12X1.25-L0-	MF 12x1.25	1,25	100	13	73	9	7	10	4	●	●
	TC115-M12X1.5-L0-	MF 12x1.5	1,5	100	13	73	9	7	10	4	●	●
	TC115-M14X1.5-L0-	MF 14x1.5	1,5	100	15	71	11	9	12	4	●	●
	TC115-M16X1.5-L0-	MF 16x1.5	1,5	100	15	58	12	9	12	4	●	●
	TC115-M18X1.5-L0-	MF 18x1.5	1,5	110	17	66	14	11	14	4	●	●

Ordering example for the WY80FC grade: TC115-M8X1-L0-WY80FC

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

●● Primary application

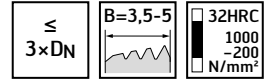
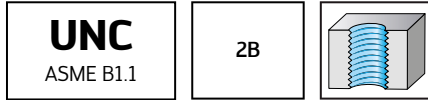
● Other application

# HSS-E machine taps

## TC216 Perform

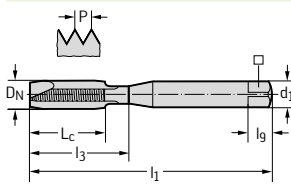


- For long-chipping materials



	P	M	K	N	S	H	O
WY80AA	●	●	●	●			

### DIN/ANSI

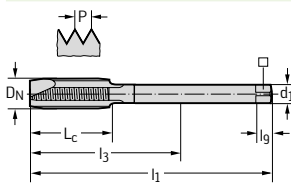


Designation	$D_N$ -P	$D_N$ inch	$I_1$ h9 inch	$L_c$ inch	$I_3$ inch	$d_1$ inch	□ inch	$I_g$ Inches/ no.	N	WY80AA
TC216DUNC6-C0-	UNC 6-32	0,138	2,205	0,433	0,787	0,141	0,110	3/16"	3	☼
TC216DUNC8-C0-	UNC 8-32	0,164	2,480	0,472	0,827	0,168	0,131	1/4"	3	☼
TC216DUNC10-C0-	UNC 10-24	0,190	2,756	0,512	0,984	0,194	0,152	1/4"	3	☼
TC216DUNC1/4-C0-	UNC 1/4-20	0,250	3,150	0,591	1,181	0,255	0,191	5/16"	3	☼
TC216DUNC5/16-C0-	UNC 5/16-18	0,313	3,543	0,709	1,378	0,318	0,238	3/8"	3	☼
TC216DUNC3/8-C0-	UNC 3/8-16	0,375	3,937	0,787	1,535	0,381	0,286	7/16"	3	☼

DIN length/ANSI shank

Ordering example for the WY80AA grade: TC216DUNC6-C0-WY80AA

### DIN/ANSI



Designation	$D_N$ -P	$D_N$ inch	$I_1$ h9 inch	$L_c$ inch	$I_3$ inch	$d_1$ inch	□ inch	$I_g$ Inches/ no.	N	WY80AA
TC216DUNC1/2-L0-	UNC 1/2-13	0,500	4,331	0,906	3,224	0,367	0,275	7/16"	4	☼
TC216DUNC5/8-L0-	UNC 5/8-11	0,625	4,331	0,984	2,587	0,480	0,360	9/16"	4	☼
TC216DUNC3/4-L0-	UNC 3/4-10	0,750	4,921	1,181	3,051	0,590	0,442	11/16"	4	☼

DIN length/ANSI shank

Ordering example for the WY80AA grade: TC216DUNC1/2-L0-WY80AA

# HSS-E machine taps TC115 Perform



- For long-chipping materials

$\leq 3 \times D_N$

$C=2-3$

$45^\circ$

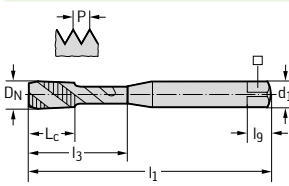
32HRC  
1000-200  
N/mm<sup>2</sup>

**UNC**  
ASME B1.1

2B

	P	M	K	N	S	H	O
WY80AA	●	●	●	●			

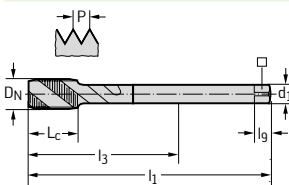
## DIN/ANSI



Designation	D <sub>N</sub> -P	D <sub>N</sub> inch	l <sub>1</sub> inch	L <sub>c</sub> inch	l <sub>3</sub> inch	d <sub>1</sub> h9 inch	□ inch	l <sub>g</sub> Inches/ no.	N	WY80AA
TC115DUNC6-C0-	UNC 6-32	0,138	2,205	0,256	0,787	0,141	0,110	3/16"	3	
TC115DUNC8-C0-	UNC 8-32	0,164	2,480	0,276	0,827	0,168	0,131	1/4"	3	
TC115DUNC10-C0-	UNC 10-24	0,190	2,756	0,315	0,984	0,194	0,152	1/4"	3	
TC115DUNC1/4-C0-	UNC 1/4-20	0,250	3,150	0,394	1,181	0,255	0,191	5/16"	3	
TC115DUNC5/16-C0-	UNC 5/16-18	0,313	3,543	0,472	1,378	0,318	0,238	3/8"	3	
TC115DUNC3/8-C0-	UNC 3/8-16	0,375	3,937	0,591	1,535	0,381	0,286	7/16"	3	

DIN length/ANSI shank  
Ordering example for the WY80FC grade: TC115DUNC6-C0-WY80AA

## DIN/ANSI



Designation	D <sub>N</sub> -P	D <sub>N</sub> inch	l <sub>1</sub> inch	L <sub>c</sub> inch	l <sub>3</sub> inch	d <sub>1</sub> h9 inch	□ inch	l <sub>g</sub> Inches/ no.	N	WY80AA
TC115DUNC1/2-L0-	UNC 1/2-13	0,500	4,331	0,709	3,224	0,367	0,275	7/16"	3	
TC115DUNC5/8-L0-	UNC 5/8-11	0,625	4,331	0,787	2,587	0,480	0,360	9/16"	3	
TC115DUNC3/4-L0-	UNC 3/4-10	0,750	4,921	0,984	3,051	0,590	0,442	11/16"	4	

DIN length/ANSI shank  
Ordering example for the WY80AA grade: TC115DUNC1/2-L0-WY80AA

WALTER SELECT

Best tool for

Good

Average

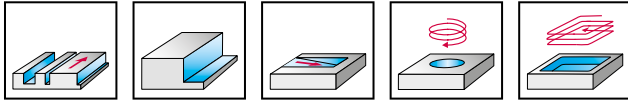
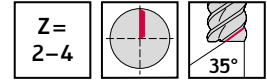
Poor

machining conditions

●● Primary application

● Other application

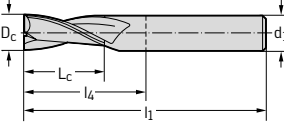
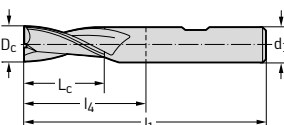
# Solid carbide shoulder/slot milling cutter MC232 Perform



P	M	K	N	S	H	O
●	●	●				

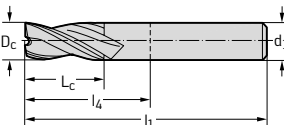
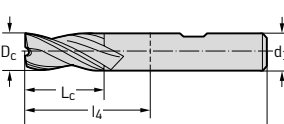
WJ30ED

## DIN 6527 L

	Designation	$D_c$ h12 mm	$L_c$ mm	$l_1$ mm	$l_4$ mm	$d_1$ h6 mm	Z	WJ30ED
Shank DIN 6535 HA 	MC232-02.0A2B-	2	6	57	21	4	2	
	MC232-02.5A2B-	2,5	7	57	21	4	2	
	MC232-03.0A2B-	3	7	57	21	4	2	
	MC232-03.5A2B-	3,5	7	57	21	4	2	
	MC232-04.0A2B-	4	8	57	21	4	2	
Shank DIN 6535 HB 	MC232-05.0W2B-	5	10	57	21	6	2	
	MC232-06.0W2B-	6	10	57	21	6	2	
	MC232-08.0W2B-	8	16	63	27	8	2	
	MC232-10.0W2B-	10	19	72	32	10	2	
	MC232-12.0W2B-	12	22	83	38	12	2	
	MC232-16.0W2B-	16	26	92	44	16	2	
	MC232-20.0W2B-	20	32	104	54	20	2	

Ordering example for the WJ30ED grade: MC232-02.0A2B-WJ30ED

## DIN 6527 L

	Designation	$D_c$ h12 mm	$L_c$ mm	$l_1$ mm	$l_4$ mm	$d_1$ h6 mm	Z	WJ30ED
Shank DIN 6535 HA 	MC232-02.0A3B-	2	6	57	21	4	3	
	MC232-02.5A3B-	2,5	7	57	21	4	3	
	MC232-03.0A3B-	3	7	57	21	4	3	
	MC232-03.5A3B-	3,5	7	57	21	4	3	
	MC232-04.0A3B-	4	8	57	21	4	3	
Shank DIN 6535 HB 	MC232-05.0W3B-	5	10	57	21	6	3	
	MC232-06.0W3B-	6	10	57	21	6	3	
	MC232-08.0W3B-	8	16	63	27	8	3	
	MC232-10.0W3B-	10	19	72	32	10	3	
	MC232-12.0W3B-	12	22	83	38	12	3	
	MC232-16.0W3B-	16	26	92	44	16	3	
	MC232-20.0W3B-	20	32	104	54	20	3	

Ordering example for the WJ30ED grade: MC232-02.0A3B-WJ30ED

DIN 6527 L		$D_c$ h12 mm	$L_c$ mm	$l_1$ mm	$l_4$ mm	$d_1$ h6 mm	Z	WJ30ED
Shank DIN 6535 HA	MC232-02.0A4B-	2	7	57	21	4	4	⊗
	MC232-02.5A4B-	2,5	8	57	21	4	4	⊗
	MC232-03.0A4B-	3	8	57	21	4	4	⊗
	MC232-03.5A4B-	3,5	10	57	21	4	4	⊗
	MC232-04.0A4B-	4	11	57	21	4	4	⊗
Shank DIN 6535 HB	MC232-05.0W4B-	5	13	57	21	6	4	⊗
	MC232-06.0W4B-	6	13	57	21	6	4	⊗
	MC232-08.0W4B-	8	19	63	27	8	4	⊗
	MC232-10.0W4B-	10	22	72	32	10	4	⊗
	MC232-12.0W4B-	12	26	83	38	12	4	⊗
	MC232-16.0W4B-	16	32	92	44	16	4	⊗
	MC232-20.0W4B-	20	38	104	54	20	4	⊗

Ordering example for the WJ30ED grade: MC232-02.0A4B-WJ30ED

WALTER SELECT

Best tool for

Good

Average

Poor

machining conditions

•• Primary application

• Other application

42-43

9

# Cutting data for solid carbide drills

Material group	= Cutting data for wet machining = Dry machining is possible, cutting data must be selected from Walter GPS				Drilling depth		3 × D <sub>c</sub>			
					Product family		DC150			
					Dimensions		DIN 6537 short			
					Dia. range (mm)		3,00–20,00			
E = Emulsion      v <sub>c</sub> = Cutting speed O = Oil <sup>1)</sup> VRR = Feed rate chart on page 40 M = MQL L = Dry				Cooling		External cooling				
				Cutting tool material		WJ30RE				
				Page		10				
Overview of the main material groups and code letters				Brinell hardness HB	Tensile strength R <sub>m</sub> N/mm <sup>2</sup>	Machining group <sup>1)</sup>				
Material							v <sub>c</sub>	<sup>1)</sup> VRR	Cooling	
P	Non-alloyed steel	C ≤ 0.25%	Annealed	125	430	P1	100	10	E O	M L
		C > 0.25... ≤ 0.55%	Annealed	190	640	P2	90	10	E O	M L
		C > 0.25... ≤ 0.55%	Heat-treated	210	710	P3	85	10	E O	M L
		C > 0.55%	Annealed	190	640	P4	92	10	E O	M L
		C > 0.55%	Heat-treated	300	1010	P5	64	8	E O	M L
		Free cutting steel (short-chipping)	Annealed	220	750	P6	100	10	E O	M L
	Low-alloyed steel	Annealed		175	590	P7	90	10	E O	M L
		Heat-treated		285	960	P8	63	8	E O	M L
		Heat-treated		380	1280	P9	43	5	O E	
		Heat-treated		430	1480	P10	34	3	O E	
	High-alloyed steel and high-alloyed tool steel	Annealed		200	680	P11	55	7	E O	
		Hardened and tempered		300	1010	P12	51	6	E O	
		Hardened and tempered		380	1280	P13	34	3	O E	
	Stainless steel	Ferritic/martensitic, annealed		200	680	P14	57	7	E O	
		Martensitic, heat-treated		330	1110	P15	38	5	E O	
M	Stainless steel	Austenitic, quench hardened		200	680	M1				
		Austenitic, precipitation hardened (PH)		300	1010	M2	45	5	E O	
		Austenitic/ferritic, duplex		230	780	M3				
K	Malleable cast iron	Ferritic		200	400	K1	85	16	E O	M L
		Pearlitic		260	700	K2	63	12	E O	M L
	Grey cast iron	Low tensile strength		180	200	K3	100	16	E O	M L
		High tensile strength/austenitic		245	350	K4	85	16	E O	M L
	Cast iron with spheroidal graphite	Ferritic		155	400	K5	85	16	E O	M L
		Pearlitic		265	700	K6	63	12	E O	M L
	GGV (CGI)			230	400	K7	75	16	E O	M L
N	Aluminium wrought alloys	Cannot be hardened		30	–	N1				
		Hardenable, hardened		100	340	N2				
	Cast aluminium alloys	≤ 12% Si, cannot be hardened		75	260	N3	220	16	E O	
		≤ 12% Si, hardenable, hardened		90	310	N4	200	16	E O	
		> 12% Si, cannot be hardened		130	450	N5	160	12	E O	
	Magnesium alloys			70	250	N6				
Copper and copper alloys (bronze/brass)	Non-alloyed, electrolytic copper		100	340	N7	190	6	E O	M	
	Brass, bronze, red brass		90	310	N8	160	10	E O		
	Cu alloys, short-chipping		110	380	N9	180	16	E O	M L	
	High-strength, Ampco		300	1010	N10	67	7	E O	M L	
S	Heat-resistant alloys	Fe-based	Annealed	200	680	S1				
			Hardened	280	940	S2				
		Ni or Co base	Annealed	250	840	S3				
			Hardened	350	1180	S4				
			Cast	320	1080	S5				
	Titanium alloys	Pure titanium		200	680	S6	40	5	O E	
		α and β alloys, hardened		375	1260	S7	34	4	O E	
		β alloys		410	1400	S8				
	Tungsten alloys			300	1010	S9	67	8	E O	
	Molybdenum alloys			300	1010	S10	67	8	E O	
H	Hardened steel	Hardened and tempered		50 HRC	–	H1	26	3	O E	
		Hardened and tempered		55 HRC	–	H2	22	3	O E	
		Hardened and tempered		60 HRC	–	H3				
	Hardened cast iron	Hardened and tempered		55 HRC	–	H4	22	3	O E	
O	Thermoplastics	Without abrasive fillers				O1	85	16	E O	
	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			

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

3 × D <sub>c</sub>					5 × D <sub>c</sub>					8 × D <sub>c</sub>					12 × D <sub>c</sub>				
DC150					DC150					DC150					DC150				
DIN 6537 short					DIN 6537 long					Walter standard					Walter standard				
3,00–20,00					3,00–20,00					3,00–20,00					3,00–20,00				
Internal cooling					Internal cooling					Internal cooling					Internal cooling				
WJ30RE					WJ30RE					WJ30TA					WJ30TA				
14					18					24					27				
v <sub>c</sub>	<sup>1)</sup> VRR	Cooling		v <sub>c</sub>	<sup>1)</sup> VRR	Cooling		v <sub>c</sub>	<sup>1)</sup> VRR	Cooling		v <sub>c</sub>	<sup>1)</sup> VRR	Cooling					
115	10	E O	M L	113	10	E O	M L	105	10	E O	M L	100	10	E O	M L				
96	10	E O	M L	94	10	E O	M L	86	10	E O	M L	83	10	E O	M L				
90	10	E O	M L	89	10	E O	M L	82	10	E O	M L	79	10	E O	M L				
96	10	E O	M L	94	10	E O	M L	86	10	E O	M L	83	10	E O	M L				
69	8	E O	M L	67	8	E O	M L	62	7	E O	M L	59	7	E O	M L				
115	12	E O	M L	113	12	E O	M L	105	12	E O	M L	100	12	E O	M L				
95	10	E O	M L	94	10	E O	M L	86	10	E O	M L	83	10	E O	M L				
68	8	E O	M L	67	8	E O	M L	62	7	E O	M L	59	7	E O	M L				
45	6	O E		45	6	O E		42	6	O E		40	6	O E					
36	4	O E		36	4	O E		33	4	O E		31	4	O E					
60	8	E O		59	8	E O		54	8	E O		52	8	E O					
54	7	E O		53	7	E O		50	6	E O		47	6	E O					
36	5	O E		36	4	O E		33	4	O E		31	3	O E					
60	8	E O		59	8	E O		54	8	E O		52	8	E O					
39	7	E O		38	7	E O		35	6	E O		34	6	E O					
40	5	E O		39	5	E O		38	5	E O		37	5	E O					
52	6	E O		51	6	E O		48	6	E O		47	6	E O					
33	5	E O		32	5	E O		31	5	E O		30	5	E O					
89	16	E O	M L	87	16	E O	M L	77	12	E O	M L	73	12	E O	M L				
66	16	E O	M L	65	12	E O	M L	59	12	E O	M L	55	12	E O	M L				
112	16	E O	M L	110	16	E O	M L	98	12	E O	M L	93	12	E O	M L				
89	16	E O	M L	87	16	E O	M L	79	12	E O	M L	73	12	E O	M L				
89	16	E O	M L	87	16	E O	M L	79	12	E O	M L	73	12	E O	M L				
66	16	E O	M L	65	12	E O	M L	59	12	E O	M L	55	12	E O	M L				
79	16	E O	M L	78	16	E O	M L	72	12	E O	M L	66	12	E O	M L				
400	16	E O	M	400	16	E O	M	380	16	E O	M	380	16	E O	M				
400	16	E O	M	400	16	E O	M	380	16	E O	M	380	16	E O	M				
240	16	E O	M	225	16	E O	M	215	16	E O	M	203	16	E O	M				
230	16	E O	M	220	16	E O	M	208	16	E O	M	194	16	E O	M				
182	16	E O	M	172	16	E O	M	163	16	E O	M	154	16	E O	M				
230	16		M L	220	16		M L	208	16		M L	194	16		M L				
173	9	E O	M	165	8	E O	M	156	7	E O	M	146	7	E O	M				
144	10	E O		136	10	E O		128	9	E O		122	9	E O					
182	16	E O	M	172	16	E O	M	163	12	E O	M	154	12	E O	M				
54	7	E O		53	7	E O		50	7	E O		47	6	E O					
41	5	E O		40	5	E O		39	5	E O		38	5	E O					
24	4	O E		23	4	O E		22	4	O E		21	4	O E					
29	4	E O		28	4	E O		27	4	E O		26	4	E O					
15	3	O E		15	3	O E		14	3	O E		13	3	O E					
18	3	O E		18	3	O E		17	3	O E		17	3	O E					
47	6	O E		47	6	O E		45	6	O E		45	6	O E					
39	5	O E		38	5	O E		37	5	O E		36	5	O E					
11	3	O E		11	3	O E		11	3	O E		11	3	O E					
56	7	E O		55	7	E O		53	7	E O		52	7	E O					
56	7	E O		55	7	E O		53	7	E O		52	7	E O					
28	3	O E		27	3	O E		26	3	O E		25	3	O E					
24	3	O E		23	3	O E		22	3	O E		21	3	O E					
24	3	O E		23	3	O E		22	3	O E		21	3	O E					
100	16	E O		100	16	E O		95	16	E O		95	16	E O					

## VRR: Feed rate charts for drills

VRR	Feed f (mm/rev) for dia. (mm)								
	2,5	4	5	6	8	10	12	15	20
1	0,008	0,013	0,017	0,018	0,021	0,024	0,026	0,029	0,033
2	0,017	0,027	0,033	0,037	0,042	0,047	0,052	0,058	0,067
3	0,025	0,040	0,050	0,055	0,063	0,071	0,077	0,087	0,10
4	0,033	0,053	0,067	0,073	0,084	0,094	0,10	0,12	0,13
5	0,042	0,067	0,083	0,091	0,11	0,12	0,13	0,14	0,17
6	0,050	0,080	0,10	0,11	0,13	0,14	0,15	0,17	0,20
7	0,058	0,093	0,12	0,13	0,15	0,16	0,18	0,20	0,23
8	0,067	0,11	0,13	0,15	0,17	0,19	0,21	0,23	0,27
9	0,075	0,12	0,15	0,16	0,19	0,21	0,23	0,26	0,30
10	0,083	0,13	0,17	0,18	0,21	0,24	0,26	0,29	0,33
12	0,10	0,16	0,20	0,22	0,25	0,28	0,31	0,35	0,40
16	0,13	0,21	0,27	0,29	0,34	0,38	0,41	0,46	0,53
20	0,17	0,27	0,33	0,37	0,42	0,47	0,52	0,58	0,67
25	0,21	0,33	0,42	0,46	0,53	0,59	0,65	0,72	0,83
30	0,25	0,40	0,50	0,55	0,63	0,71	0,77	0,87	1,00



# Cutting data for taps

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

Material group	Overview of the main material groups and code letters		Designation			Perform (Surface Speed m/min)								
			Standard			TC115 / TC216								
			Brinell hardness HB	Tensile strength $R_m$ N/mm <sup>2</sup>	Machining group	DIN 371 / DIN 376			WY80AA			WY80FC		
						1,5 × D <sub>N</sub>	2 × D <sub>N</sub>	2,5 × D <sub>N</sub>	1,5 × D <sub>N</sub>	2 × D <sub>N</sub>	2,5 × D <sub>N</sub>			
<b>P</b>	Non-alloyed steel	C ≤ 0.25%	Annealed	125	430	P1	29	24	---	12	10	9		
		C > 0.25... ≤ 0.55%	Annealed	190	640	P2	19	15	13	14	13	12		
		C > 0.25... ≤ 0.55%	Heat-treated	210	710	P3	19	15	13	7	6	5		
		C > 0.55%	Annealed	190	640	P4	19	15	13	7	6	5		
		C > 0.55%	Heat-treated	300	1010	P5	11	9	8	4	4	3		
		Free cutting steel (short-chipping)	Annealed	220	750	P6	19	15	13	7	6	5		
	Low-alloyed steel	Annealed	175	590	P7	19	15	13	7	6	5			
		Heat-treated	300	1010	P8	13	11	9	4	3,5	4			
		Heat-treated	380	1280	P9	13	11	9	4	4	3			
		Heat-treated	430	1480	P10	13	11	9	4	4	3			
	High-alloyed steel and high-alloyed tool steel	Annealed	200	680	P11	19	15	13	7	6	5			
		Hardened and tempered	300	1010	P12									
		Hardened and tempered	400	1360	P13									
	Stainless steel	Ferritic/martensitic, annealed	200	680	P14	5	4		2	2	2			
		Martensitic, heat-treated	330	1110	P15									
<b>M</b>	Stainless steel	Austenitic, quench hardened	200	680	M1	6	5		3	2	2			
		Austenitic, precipitation hardened (PH)	300	1010	M2									
		Austenitic/ferritic, duplex	230	780	M3	4	3		2	2	2			
<b>K</b>	Malleable cast iron	Ferritic	200	680	K1	20	16	14	7	6	5			
		Pearlitic	260	870	K2	10	8	7	5	4	3			
	Grey cast iron	Low tensile strength	180	600	K3	39	32	27	14	12	10			
		High tensile strength/austenitic	245	830	K4	15	12	10	9	8	7			
	Cast iron with spheroidal graphite	Ferritic	155	520	K5	20	16	14	7	6	5			
		Pearlitic	265	890	K6	10	8	7	5	4	3			
	GGV (CGI)		200	680	K7									
<b>N</b>	Aluminium wrought alloys	Cannot be hardened	30	-	N1									
		Hardenable, hardened	100	340	N2	28	23	19	14	11	10			
	Cast aluminium alloys	≤ 12% Si, cannot be hardened	75	260	N3	19	15	13	13	10	9			
		≤ 12% Si, hardenable, hardened	90	310	N4	19	15	13	13	10	9			
		> 12% Si, cannot be hardened	130	450	N5									
	Magnesium alloys		70	250	N6									
Copper and copper alloys (bronze/brass)	Non-alloyed, electrolytic copper	100	340	N7	11	9	8	6	5	4				
	Brass, bronze, red brass	90	310	N8	29	24	20	18	15	13				
	Cu alloys, short-chipping	110	380	N9	39	32	27	25	20	17				
	High-strength, Ampco	300	1010	N10										
<b>S</b>	Heat-resistant alloys	Fe-based	Annealed	200	680	S1								
			Hardened	280	940	S2								
		Ni or Co base	Annealed	250	840	S3								
			Hardened	350	1180	S4								
	Titanium alloys	Cast	320	1080	S5									
		Pure titanium	200	680	S6									
		α and β alloys, hardened	375	1260	S7									
	Tungsten alloys	β alloys	410	1400	S8									
			300	1010	S9									
	Molybdenum alloys		300	1010	S10									
<b>H</b>	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									
<b>O</b>	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								

# Cutting data for solid carbide milling cutters

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

Material group	Overview of the main material groups and code letters		Dia. range (mm)		Number of teeth		Perform			
							Dimensions acc. to	Product family	$\lambda$	Pages
							DIN 6527 L	MC232	35°	36–37
							Ø 2–20 mm			
							2–4			
WJ30ED							Starting values for cutting speed $v_c$ [m/min]			
Brinell hardness HB							$a_e / D_c$			
Tensile strength $R_m$ N/mm <sup>2</sup>							1/1	1/2	1/10	VT
Machining group										
P	Non-alloyed steel	C ≤ 0.25%	Annealed	125	430	P1	160	190	240	A
		C > 0.25... ≤ 0.55%	Annealed	190	640	P2	15	180	220	A
		C > 0.25... ≤ 0.55%	Heat-treated	210	710	P3	130	160	190	A
		C > 0.55%	Annealed	190	640	P4	130	160	190	A
		C > 0.55%	Heat-treated	300	1010	P5	90	110	140	A
	Free cutting steel (short-chipping)	Annealed	220	750	P6	130	160	190	A	
	Low-alloyed steel	Annealed	175	590	P7	130	160	190	A	
		Heat-treated	285	960	P8					
		Heat-treated	380	1280	P9					
		Heat-treated	430	1480	P10					
	High-alloyed steel and high-alloyed tool steel	Annealed	200	680	P11	130	160	190	A	
		Hardened and tempered	300	1010	P12					
		Hardened and tempered	380	1280	P13					
	Stainless steel	Ferritic/martensitic, annealed	200	680	P14	60	80	100	A	
		Martensitic, heat-treated	330	1110	P15	30	40	50	A	
M	Stainless steel	Austenitic, quench hardened	200	680	M1	60	70	100	B	
		Austenitic, precipitation hardened (PH)	300	1010	M2	30	40	50	B	
		Austenitic/ferritic, duplex	230	780	M3	30	40	50	B	
K	Malleable cast iron	Ferritic	200	400	K1	130	150	180	A	
		Pearlitic	260	700	K2	100	120	140	A	
	Grey cast iron	Low tensile strength	180	200	K3	130	150	180	A	
		High tensile strength/austenitic	245	350	K4	100	120	140	A	
	Cast iron with spheroidal graphite	Ferritic	155	400	K5	130	150	180	A	
		Pearlitic	265	700	K6	100	120	140	A	
	GGV (CGI)		230	400	K7	130	150	180	A	
N	Aluminium wrought alloys	Cannot be hardened	30	–	N1					
		Hardenable, hardened	100	340	N2					
	Cast aluminium alloys	≤ 12% Si, cannot be hardened	75	260	N3					
		≤ 12% Si, hardenable, hardened	90	310	N4					
		> 12% Si, cannot be hardened	130	450	N5					
	Magnesium alloys		70	250	N6					
Copper and copper alloys (bronze/brass)	Non-alloyed, electrolytic copper	100	340	N7						
	Brass, bronze, red brass	90	310	N8						
	Cu alloys, short-chipping	110	380	N9						
	High-strength, Ampco	300	1010	N10						
S	Heat-resistant alloys	Fe-based	Annealed	200	680	S1				
			Hardened	280	940	S2				
		Ni or Co base	Annealed	250	840	S3				
			Hardened	350	1180	S4				
			Cast	320	1080	S5				
	Titanium alloys	Pure titanium	200	680	S6					
		α and β alloys, hardened	375	1260	S7					
		β alloys	410	1400	S8					
	Tungsten alloys		300	1010	S9					
	Molybdenum alloys		300	1010	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					

## Feed determination for milling

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

### A ISO P, ISO K material groups

Feed per tooth $f_z$ [mm]									
$a_e$ [mm]*	Ø 2 mm	Ø 3 mm	Ø 4 mm	Ø 6 mm	Ø 8 mm	Ø 10 mm	Ø 12 mm	Ø 16 mm	Ø 20 mm
0,01	0,06	0,09	0,12	0,15	0,15	0,20			
0,05	0,04	0,07	0,10	0,12	0,15	0,20			
0,1	0,03	0,05	0,08	0,10	0,15	0,20	0,20	0,20	
0,2	0,03	0,04	0,06	0,08	0,15	0,18	0,20	0,20	0,25
0,5	0,02	0,03	0,05	0,07	0,12	0,15	0,15	0,15	0,25
1	0,02	0,03	0,04	0,06	0,09	0,12	0,12	0,12	0,20
2	0,02	0,03	0,03	0,05	0,08	0,11	0,12	0,12	0,20
3		0,02	0,02	0,04	0,07	0,10	0,12	0,12	0,18
5			0,02	0,04	0,07	0,10	0,12	0,12	0,15
6				0,03	0,06	0,08	0,10	0,12	0,15
8					0,05	0,07	0,09	0,12	0,15
10						0,06	0,08	0,12	0,14
12							0,07	0,11	0,14
14								0,10	0,13
16								0,09	0,12
18									0,11
20									0,10
25									
32									
40									
50									
63									
80									
100									
160									
200									

### B ISO M material groups

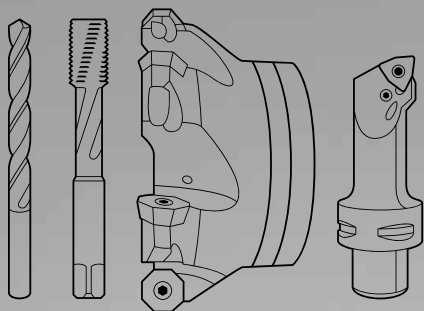
Feed per tooth $f_z$ [mm]									
$a_e$ [mm]*	Ø 2 mm	Ø 3 mm	Ø 4 mm	Ø 6 mm	Ø 8 mm	Ø 10 mm	Ø 12 mm	Ø 16 mm	Ø 20 mm
0,01	0,05	0,07	0,10	0,12	0,12	0,16			
0,05	0,03	0,06	0,08	0,10	0,12	0,16			
0,1	0,03	0,04	0,06	0,08	0,12	0,16	0,16	0,16	
0,2	0,02	0,03	0,05	0,06	0,12	0,14	0,16	0,16	0,20
0,5	0,02	0,02	0,04	0,06	0,10	0,12	0,12	0,12	0,20
1	0,02	0,02	0,03	0,05	0,07	0,10	0,10	0,10	0,16
2	0,02	0,02	0,02	0,04	0,06	0,09	0,10	0,10	0,16
3		0,02	0,02	0,04	0,06	0,08	0,10	0,10	0,14
5			0,02	0,03	0,06	0,08	0,10	0,10	0,12
6				0,02	0,05	0,06	0,08	0,10	0,12
8					0,04	0,06	0,07	0,10	0,12
10						0,05	0,06	0,10	0,11
12							0,06	0,09	0,11
14								0,08	0,10
16								0,07	0,10
18									0,09
20									0,08
25									
32									
40									
50									
63									
80									
100									
160									
200									

\* Radial feed in mm

# Walter AG

Derendinger Straße 53, 72072 Tübingen  
Postfach 2049, 72010 Tübingen  
Germany

walter-tools.com



---

## Walter GB Ltd.

Bromsgrove, England  
+44 (1527) 839 450, [service.uk@walter-tools.com](mailto:service.uk@walter-tools.com)

## Walter Kesici Takımlar Sanayi ve Ticaret Ltd. Şti.

Istanbul, Türkiye  
+90 (0) 216 528 1900 Pbx, [service.tr@walter-tools.com](mailto:service.tr@walter-tools.com)

## Walter Wuxi Co. Ltd.

Wuxi, Jiangsu, P.R. China  
+86 (510) 853 72199, [service.cn@walter-tools.com](mailto:service.cn@walter-tools.com)

## Walter AG Singapore Pte. Ltd.

+65 6773 6180, [service.sg@walter-tools.com](mailto:service.sg@walter-tools.com)

## Walter Korea Ltd.

Anyang-si Gyeonggi-do, Korea  
+82 (31) 337 6100, [service.kr@walter-tools.com](mailto:service.kr@walter-tools.com)

## Walter Tools India Pvt. Ltd.

Pune, India  
+91 (20) 3045 7300, [service.in@walter-tools.com](mailto:service.in@walter-tools.com)

## Walter (Thailand) Co., Ltd.

Bangkok, 10120, Thailand  
+66 2 687 0388, [service.th@walter-tools.com](mailto:service.th@walter-tools.com)

## Walter Malaysia Sdn. Bhd.

Selangor D.E., Malaysia  
+60 (3) 8023 7748, [service.my@walter-tools.com](mailto:service.my@walter-tools.com)

## Walter Japan K.K.

Nagoya, Japan  
+81 (52) 533 6135, [service.jp@walter-tools.com](mailto:service.jp@walter-tools.com)

## Walter USA, LLC

Waukesha WI, USA  
+1 800-945-5554, [service.us@walter-tools.com](mailto:service.us@walter-tools.com)

## Walter Canada

Mississauga, Canada  
[service.ca@walter-tools.com](mailto:service.ca@walter-tools.com)

---