

DC160 Advance Solid Carbide Drill

Universal application, strong performance

WHAT TO DETERMINE

- Are you drilling a variety of materials with one drill?
- Could you benefit from the additional guidance of a 4 margin drill (crossholes & uneven exits)?
- Would you like a drill program large enough that you only needed one style of drill?
- Does your production require a drill with the most balanced position of price vs. performance?



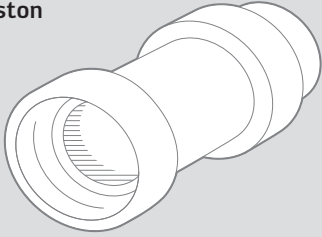
PROGRAM BENEFITS

- High productivity in many different materials
- Can be used universally in an extremely wide range of applications
- Margins located in an advanced position to ensure fast guidance in the hole
- Remarkable positioning accuracy thanks to the innovative new thinner web

Ideal for wide use in many different applications

APPLICATION EXAMPLE

Valve piston



Material: 1.2113; CF 53; 1050
Tensile strength: 200 HB (680 N/mm²)
Tool: DC160-03-07.300A1-WJ30ET
Drilling depth: 1 in
Cooling: Oil

	Competitors	Walter Titex DC160 Advance
v_c (sfm)	338	338
n (rpm)	4493	4493
f (in/rev)	0.10	0.10
v_f (in/min)	44.2	44.2

Comparison: Number of holes

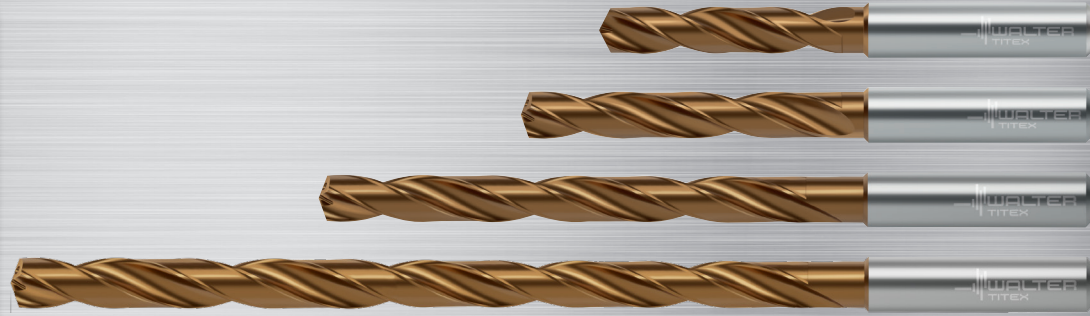
+33%

Competitor* 600 –4500

Walter DC160 Advance 6000

[Tool life in units]	1000	2000	3000	4000	5000	6000
Competitor*						
Walter DC160 Advance						

* With tool life fluctuation from 600–4500

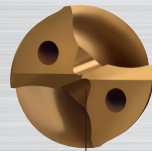


PRODUCT DIMENSIONS

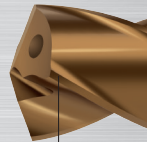
- 3 x Dc with and without internal coolant
- 5 x Dc with and without internal coolant
- 8 x Dc with internal coolant
- 12 x Dc with internal coolant

Shank in accordance with DIN 6535

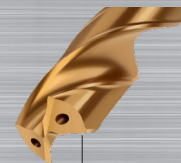
- 3 x Dc and 5 x Dc form HA and HE
- 8 x Dc and 12 x Dc form HA



New type of positive thinner web



Fourth land in advanced position

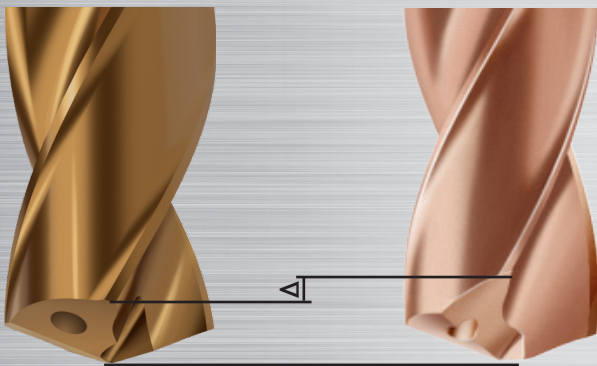


Steep gash angle for secure chip flow

DC160 vs. X-treme

DC160-05-08.500A1-WJ30ET

X-treme A3399XPL-8.5



The second margin on the DC160 is closer to the drill point. As a result, the tool is guided earlier with 4 margins in the hole.

Application area

ISO Material Groups:	with IC	P	M	K	N	S	H	0
	with EC	●	●	●	●	●	●	●
Operation:								
Additional Information:	Recommended coolant pressure: 10–40 bar							

DC160 Conversion

Old	New
A3279XPL	DC160-03-A0
A3299XPL	DC160-03-A1
A3879XPL	DC160-03-F0
A3899XPL	DC160-03-F1
A3379XPL	DC160-05-A0
A3399XPL	DC160-05-A1
A3979XPL	DC160-05-F0
A3999XPL	DC160-05-F1
A6485TFT	DC160-08-A1
A6585TFT	DC160-12-A1

DC160 Advance Solid Carbide Drill
 The next generation of drilling