

New



303 DA

Z=2

VHM		
Al-X Coating		
HRc 55		

Solid carbide twist drills with internal coolant ( 3 x d )  
For HPC of steels, tools steels, austenitic stainless steels and cast irons.

Vollhartmetall-bohrer mit innenkühlung ( 3 x d )  
Für die HPC von Stählen, Werkzeuge Stählen, austenitische rostfreie Stählen und Gusseisen..

Example: Order code 303 DA 030-01406

d-Code	d x H x D	I <sub>1</sub> L
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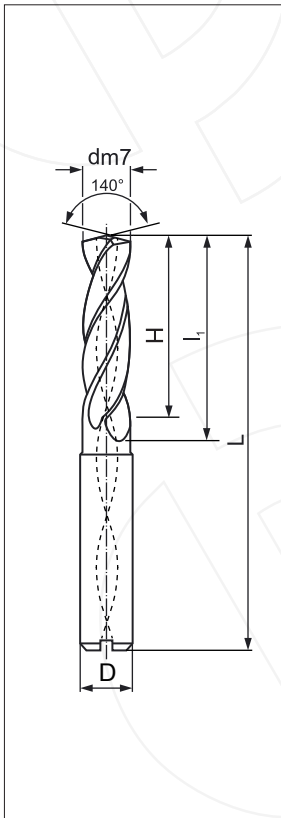
P	HRc < 24	⊙
	HRc 24 - 35	⊙
	HRc > 35	⊙
H	HRc 45 - 55	○
	HRc 56 - 60	
	HRc > 60	
M	Stainless steel	○
K	Cast iron	○
N	Copper alloy	
S	Titanium alloy	○
	High-temperature alloy	

030-01406	3.0 x 14 x C 6	20 62	●
031-01406	3.1 x 14 x C 6	20 62	◇
032-01406	3.2 x 14 x C 6	20 62	◇
033-01406	3.3 x 14 x C 6	20 62	◇
034-01406	3.4 x 14 x C 6	20 62	●
035-01406	3.5 x 14 x C 6	20 62	●
036-01406	3.6 x 14 x C 6	20 62	◇
037-01406	3.7 x 14 x C 6	20 62	◇
038-01706	3.8 x 17 x C 6	24 66	●
039-01706	3.9 x 17 x C 6	24 66	◇

040-01706	4.0 x 17 x C 6	24 66	●
041-01706	4.1 x 17 x C 6	24 66	◇
042-01706	4.2 x 17 x C 6	24 66	●
043-01706	4.3 x 17 x C 6	24 66	●
044-01706	4.4 x 17 x C 6	24 66	◇
045-01706	4.5 x 17 x C 6	24 66	●
046-01706	4.6 x 17 x C 6	24 66	◇
047-01706	4.7 x 17 x C 6	24 66	◇
048-02006	4.8 x 20 x C 6	28 66	●
049-02006	4.9 x 20 x C 6	28 66	●

050-02006	5.0 x 20 x C 6	28 66	●
051-02006	5.1 x 20 x C 6	28 66	●
052-02006	5.2 x 20 x C 6	28 66	●
053-02006	5.3 x 20 x C 6	28 66	◇
054-02006	5.4 x 20 x C 6	28 66	◇
055-02006	5.5 x 20 x C 6	28 66	●
056-02006	5.6 x 20 x C 6	28 66	◇
057-02006	5.7 x 20 x C 6	28 66	◇
058-02006	5.8 x 20 x C 6	28 66	●
059-02006	5.9 x 20 x C 6	28 66	●

060-02006	6.0 x 20 x C 6	28 66	●
061-02408	6.1 x 24 x C 8	34 79	◇
062-02408	6.2 x 24 x C 8	34 79	◇
063-02408	6.3 x 24 x C 8	34 79	◇
064-02408	6.4 x 24 x C 8	34 79	◇
065-02408	6.5 x 24 x C 8	34 79	●
066-02408	6.6 x 24 x C 8	34 79	●
067-02408	6.7 x 24 x C 8	34 79	◇
068-02408	6.8 x 24 x C 8	34 79	●
069-02408	6.9 x 24 x C 8	34 79	●



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New



303 DA

Z=2

Example: Order code 303 DA 070-02408

d-Code	d x H x D	l <sub>1</sub> L
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P	HRc < 24	⊙
	HRc 24 - 35	⊙
	HRc > 35	⊙
H	HRc 45 - 55	○
	HRc 56 - 60	
	HRc > 60	
M	Stainless steel	○
K	Cast iron	○
N	Copper alloy	
S	Titanium alloy	○
	High-temperature alloy	

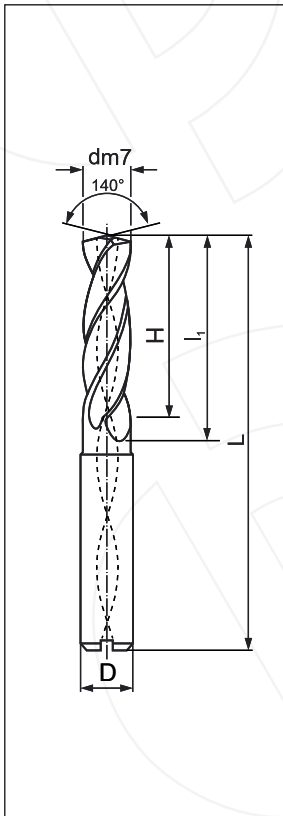
070-02408	7.0 x 24 x C 8	34 79	●
071-02908	7.1 x 29 x C 8	41 79	◇
072-02908	7.2 x 29 x C 8	41 79	◇
073-02908	7.3 x 29 x C 8	41 79	◇
074-02908	7.4 x 29 x C 8	41 79	◇
075-02908	7.5 x 29 x C 8	41 79	●
076-02908	7.6 x 29 x C 8	41 79	◇
077-02908	7.7 x 29 x C 8	41 79	◇
078-02908	7.8 x 29 x C 8	41 79	●
079-02908	7.9 x 29 x C 8	41 79	●

080-02908	8.0 x 29 x C 8	41 79	●
081-03510	8.1 x 35 x C10	47 89	●
082-03510	8.2 x 35 x C10	47 89	●
083-03510	8.3 x 35 x C10	47 89	◇
084-03510	8.4 x 35 x C10	47 89	◇
085-03510	8.5 x 35 x C10	47 89	●
086-03510	8.6 x 35 x C10	47 89	●
087-03510	8.7 x 35 x C10	47 89	●
088-03510	8.8 x 35 x C10	47 89	●
089-03510	8.9 x 35 x C10	47 89	●

090-03510	9.0 x 35 x C10	47 89	●
091-03510	9.1 x 35 x C10	47 89	◇
092-03510	9.2 x 35 x C10	47 89	◇
093-03510	9.3 x 35 x C10	47 89	◇
094-03510	9.4 x 35 x C10	47 89	◇
095-03510	9.5 x 35 x C10	47 89	●
096-03510	9.6 x 35 x C10	47 89	◇
097-03510	9.7 x 35 x C10	47 89	◇
098-03510	9.8 x 35 x C10	47 89	●
099-03510	9.9 x 35 x C10	47 89	●

100-03510	10.0 x 35 x C10	47 89	●
102-04012	10.2 x 40 x C12	55 102	●
105-04012	10.5 x 40 x C12	55 102	●
108-04012	10.8 x 40 x C12	55 102	●

110-04012	11.0 x 40 x C12	55 102	●
112-04012	11.2 x 40 x C12	55 102	◇
113-04012	11.3 x 40 x C12	55 102	◇
115-04012	11.5 x 40 x C12	55 102	●
118-04012	11.8 x 40 x C12	55 102	●



Drills

New



VHM		
Al-X Coating		140°
HRc 55		

Solid carbide twist drills with internal coolant ( 3 x d )  
For HPC of steels, tools steels, austenitic stainless steels and cast irons.

Vollhartmetall-bohrer mit innenkühlung ( 3 x d )  
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Example: Order code 303 DA 120-04012

d-Code	d x H x D	l <sub>1</sub> L
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303 DA

Z=2

P	HRc < 24	⊙
	HRc 24 - 35	⊙
	HRc > 35	⊙
H	HRc 45 - 55	○
	HRc 56 - 60	
	HRc > 60	
M	Stainless steel	○
K	Cast iron	○
N	Copper alloy	
S	Titanium alloy	○
	High-temperature alloy	

<b>120-04012</b>	12.0 x 40 x C12	55 102	●	
<b>122-04314</b>	12.2 x 43 x C14	60 107	◇	
<b>125-04314</b>	12.5 x 43 x C14	60 107	●	
<b>128-04314</b>	12.8 x 43 x C14	60 107	●	
<b>130-04314</b>	13.0 x 43 x C14	60 107	●	
<b>133-04314</b>	13.3 x 43 x C14	60 107	◇	
<b>135-04314</b>	13.5 x 43 x C14	60 107	●	
<b>138-04314</b>	13.8 x 43 x C14	60 107	●	
<b>140-04314</b>	14.0 x 43 x C14	60 107	●	
<b>145-04516</b>	14.5 x 45 x C16	65 115	●	
<b>150-04516</b>	15.0 x 45 x C16	65 115	●	
<b>153-04516</b>	15.3 x 45 x C16	65 115	◇	
<b>155-04516</b>	15.5 x 45 x C16	65 115	◇	
<b>158-04516</b>	15.8 x 45 x C16	65 115	◇	
<b>160-04516</b>	16.0 x 45 x C16	65 115	◇	
<b>165-05118</b>	16.5 x 51 x C18	73 123	◇	
<b>170-05118</b>	17.0 x 51 x C18	73 123	◇	
<b>175-05118</b>	17.5 x 51 x C18	73 123	◇	
<b>180-05118</b>	18.0 x 51 x C18	73 123	◇	
<b>185-05520</b>	18.5 x 55 x C20	79 131	◇	
<b>190-05520</b>	19.0 x 55 x C20	79 131	◇	
<b>195-05520</b>	19.5 x 55 x C20	79 131	◇	
<b>200-05520</b>	20.0 x 55 x C20	79 131	◇	

