

# CNC Spotting Drills

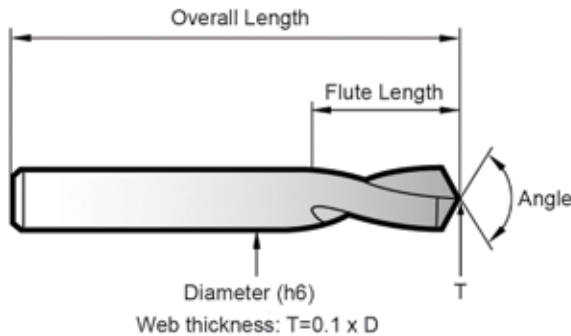
## Stub Length - Micrograin Solid Carbide



CARBIDE

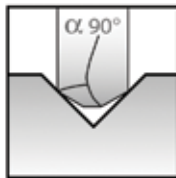


Hard'X Up to 67 HRC

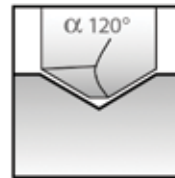


Hard'X: AlTiN carbide tool coating with a high hardness of 3500 HV. This coating shows high thermic stability and excellent protection against heat and wear. Ideal for dry machining - high speed cut - in treated steels and dies up to 67 HRC.

Tolerances			
Diameters	Tolerance D	Angle	L
0.078-0.118	0 + 0.0002"	±1°	±0.0395
1/8-0.236	0 + 0.0003"	±1°	±0.0395
1/4-0.394	0 + 0.0004"	±1°	±0.0395
0.472-1	0 + 0.0005"	±1°	±0.0395



**90 degree angle:**  
By using the Magafor NC drill of diameter over the drilling tool, centering and chamfering are obtained in a single operation



**120 degree angle:**  
The preliminary hole obtained with the Magafor NC drill corresponds to the angle at the end of the tool used in drilling and prevents it from deviating

### 90° Angle - Series 8195

Diameter (Inch)	Diameter (mm)	Overall Length (Inch)	Flute Length (Inch)	Web Thickness of Split Point (Inch)	Code	Diameter (Inch)	Diameter (mm)	Overall Length (Inch)	Flute Length (Inch)	Web Thickness of Split Point (Inch)	Code
0.078	2	1-9/16	0.315	0.008	540050	3/8	9.52	2-3/4	0.95	0.039	540057
0.118	3	1-3/4	0.4	0.012	540051	0.394	10	2-3/4	0.95	0.039	540058
0.157	4	2	0.475	0.016	540052	0.472	12	2-3/4	0.95	0.047	540059
0.197	5	2	0.6	0.02	540053	1/2	12.70	2-3/4	0.95	0.051	540060
0.236	6	2	0.7	0.023	540054	0.551	14	3	0.95	0.055	540061
1/4	6.35	2	0.7	0.023	540055	5/8	15.87	3-1/8	1	0.063	540062
5/16	7.93	2-3/8	0.9	0.031	314264	0.63	16	3-1/8	1	0.063	540063
0.315	8	2-3/8	0.9	0.031	540056	0.787	20	4	1-3/8	0.079	540064

### Hard-X 90° Angle - Series 8195-H

Diameter (Inch)	Diameter (mm)	Overall Length (Inch)	Flute Length (Inch)	Web Thickness of Split Point (Inch)	Code	Diameter (Inch)	Diameter (mm)	Overall Length (Inch)	Flute Length (Inch)	Web Thickness of Split Point (Inch)	Code
0.078	2	1-9/16	0.315	0.008	314267	3/8	9.52	2-3/4	0.95	0.039	314291
0.118	3	1-3/4	0.4	0.012	314270	0.394	10	2-3/4	0.95	0.039	314294
0.157	4	2	0.475	0.016	314273	0.472	12	2-3/4	0.95	0.047	314297
0.197	5	2	0.6	0.02	314276	1/2	12.70	2-3/4	0.95	0.051	314300
0.236	6	2	0.7	0.023	314279	0.551	14	3	0.95	0.055	314303
1/4	6.35	2	0.7	0.023	314282	5/8	15.87	3-1/8	1	0.063	314306
5/16	7.93	2-3/8	0.9	0.031	314285	0.63	16	3-1/8	1	0.063	314309
0.315	8	2-3/8	0.9	0.031	314288	0.787	20	4	1-3/8	0.079	314312