

Coating Blades with Tungsten Carbide

Due to the permanent technical development in coated paper through the last years it has to become more and more necessary to obtain coating blades with a longer

life-time and special applications. Get in touch with this technology and try the improved coating blades with a ceramic or tungsten carbide coating on the top.

Qualities

Alloy No.:
1.1274 (AISI 1095)

Length:
After your specification

Angle degree:
Like your specification

Description:
C 100 S

Standard-width in mm:
20 – 100

Hardness:
HRC: 52 – 55
HV: 550 – 600

Standard-thickness in mm:
0.305 / 0.381 / 0.40 / 0.457
0.508 / 0.60 / 0.635

Tensile strength:
1800 – 2000 N/mm²

Surface:
blue polished

Coating

Substrate:
Carbon steel

Lay:
Tungsten Carbide

Hardness Tungsten Carbide:
approx. 1200 HV

Colour Tungsten Carbide:
silver



Alloy No.:
1.1274 (AISI 1095)

Length:
After your specification

Angle degree:
Like your specification

Description:
C 100 S

Standard-width in mm:
20 – 100

Hardness:
HRC: 52 – 55
HV: 550 – 600

Standard-thickness in mm:
0.305 / 0.381 / 0.40 / 0.457
0.508 / 0.60 / 0.635

Tensile strength:
1800 – 2000 N/mm²

Surface:
greyish blue

Substrate:
Carbon steel

Lay:
Tungsten Carbide

Hardness Tungsten Carbide:
approx. 1200 HV

Colour Tungsten Carbide:
silver



Alloy No.:
1.1274 (AISI 1095)

Length:
After your specification

Angle degree:
Like your specification

Description:
C 100 S

Standard-width in mm:
20 – 100

Hardness:
HRC: 52 – 55
HV: 550 – 600

Standard-thickness in mm:
0.305 / 0.381 / 0.40 / 0.457
0.508 / 0.60 / 0.635

Tensile strength:
1800 – 2000 N/mm²

Surface:
bright polished

Substrate:
Carbon steel

Lay:
Tungsten Carbide

Hardness Tungsten Carbide:
approx. 1200 HV

Colour Tungsten Carbide:
silver



Information

All coating blades are also available with a ceramic coating like Aluminium-Oxid (AL₂O₃) or Chrome-Oxid (Cr₂O₃). Please feel free to contact our personal staff for more information.

Coating Blades with Tungsten Carbide

Further technical parameter

Tolerance

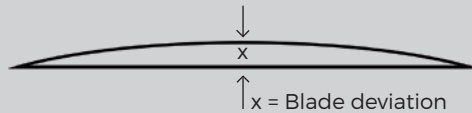
Width in mm:
76.2 +/- 0.15
84 +/- 0.15
100 +/- 0.15

Thickness in mm:
0.305 - 0.635 +/- 0.015

Angle degree:
+/- 1.5°

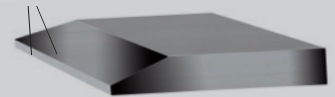
Straightness

Max. deviation exceeding
0.4 mm per 4m length



Roughness

0.2 µm or better

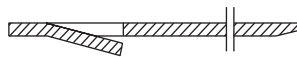


Design

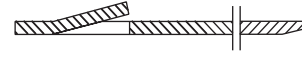
Individual design:

Attrition indicators
Notches
Bevel protection

Notches like drawing

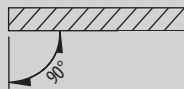


Notches like drawing

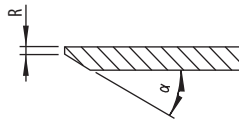


Bevel

Typ 1
ground squared edges
1 x 90°

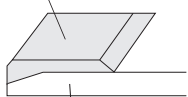


Typ 2
oneside bevel (standard)
5° - 90°



Processes of the coating (Tungsten Carbide and Ceramic)

Coating lay



base

