



VEHICLES



AEROSPACE



GEARS & BEARINGS



ENGINEERING



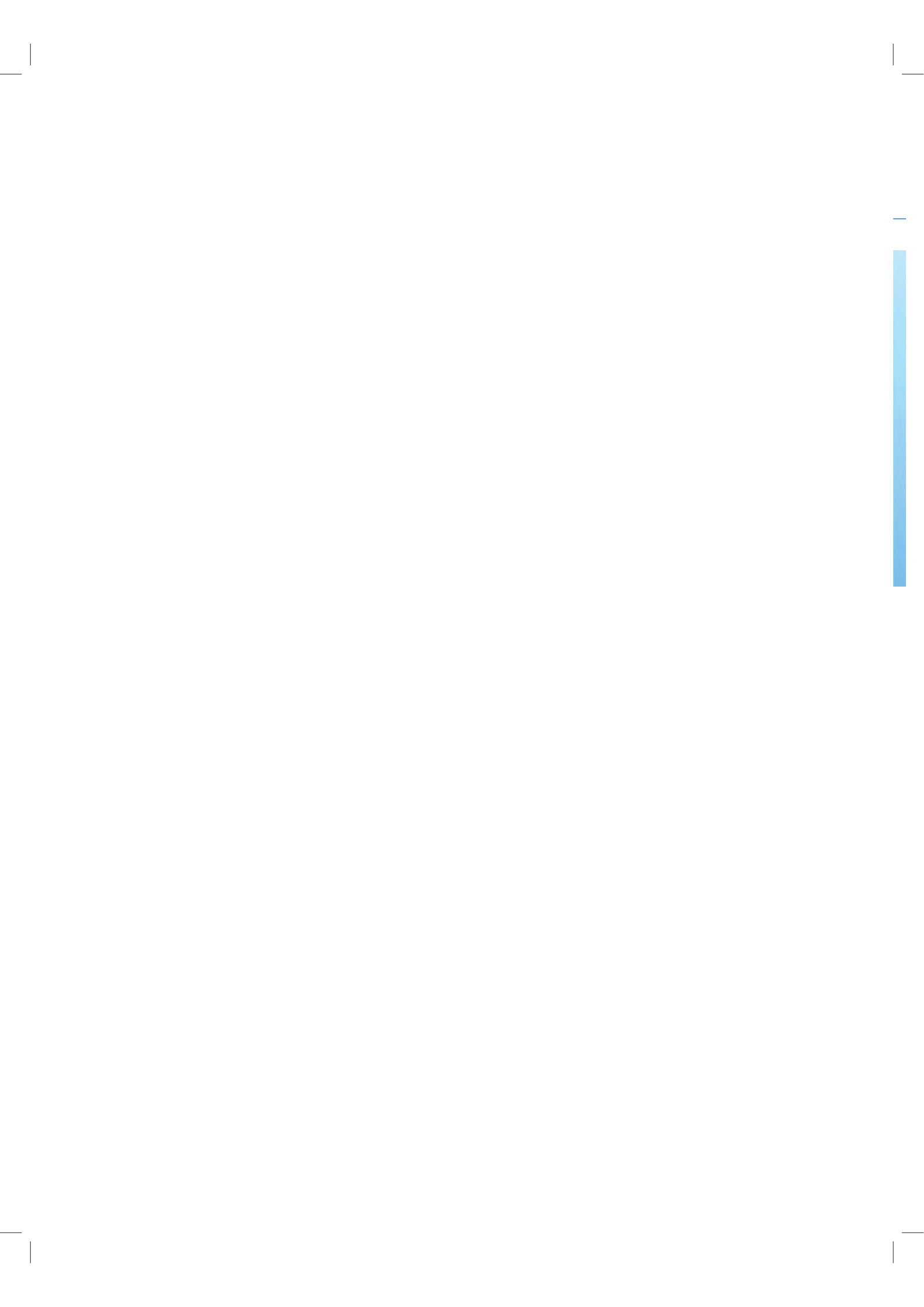
WIND ENERGY



DREHWERKZEUGE

TOOLS FOR TURNING

PORTE-OUTILS POUR LE TOURNAGE





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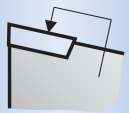


Bezeichnungssystem für Klemmhalter nach ISO 5608

Designation system for toolholders ISO 5608


Système de dénomination ISO 5608 pour porte-outils

C



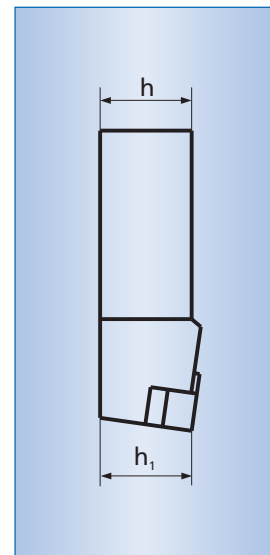
Von oben geklemmt
Top clamping
Fixation par bride

P



Über Bohrung geklemmt
Hole clamping
Fixation par goupille

| | | | | |
|--|--------------|----------------|--------------|-----------------|
| B 75° | D 45° | F 90° | G 90° | H 107.5° |
| J 93° | K 75° | L 95° | N 63° | R 75° |
| S 45° | U 93° | V 72.5° | Y 85° | |
| X Sonderform • Special style • Forme spéciale | | | | |



Schneidplattenbefestigung
Insert clamping
Fixation de plaquette

Halterform
Tool style
Forme du porte-outil

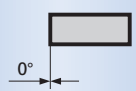
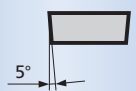
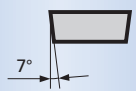
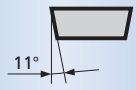
Werkzeughöhe
Tool height
Hauteur d'outil

C S R N L 25




Plattenform
Insert shape
Forme de plaquette

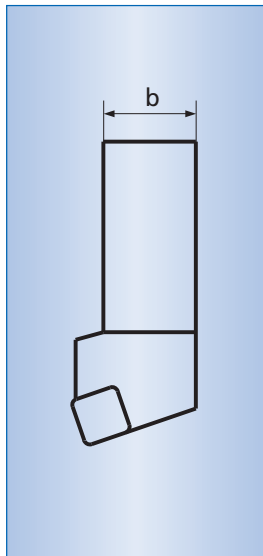
| | |
|--------------|-----------------|
| C 80° | D 55° |
| E 75° | R Circle |
| S 90° | T 60° |
| V 35° | |

Normal-Freiwinkel der Schneidplatte
Insert normal clearance
Angle de dépouille

| | |
|--------------|---|
| N 0° |  |
| B 5° |  |
| C 7° |  |
| P 11° |  |

Schneidrichtung
Cutting direction
Direction de coupe

| | |
|----------|---|
| R |  |
| L |  |
| N |  |



Schaftbreite
Shank width
Largeur de la queue

| d mm | Inkreis Inscribed circle Cercle inscrit | | T 60° | C 80° | E 75° | D 55° | V 35° | d mm | RB (Typ MO) |
|---------|---|-----------|-----------|-----------|-----------|-----------|----------|---------|----------------|
| | R, S | d | | | | | | | |
| | | | | | | | | 6,0 | 06 |
| | | | | | | | | 7,0 | 07 |
| | | | | | | | | 8,0 | 08 |
| 9,52 | 09 | 16 | 09 | | 11 | 16 | | 10,0 | 10 |
| 12,70 | 12 | 22 | 12 | 13 | 15 | 22 | | 12,0 | 12 |
| 15,88 | 15 | | 16 | | | | | 16,0 | 16 |
| 19,05 | 19 | | | | | | | 20,0 | 20 |
| 25,40 | 25 | | | | | | | 25,0 | 25 |

Plattengröße
Insert size
Grandeur de la plaquette

| Kennzahl Index Code | S mm |
|---------------------------|---------|
| 3 | 3,18 |
| 4 | 4,76 |
| 6 | 6,35 |
| 7 | 7,94 |

Plattendicke
Insert thickness
Epaisseur de la plaquette

25

M

12

-

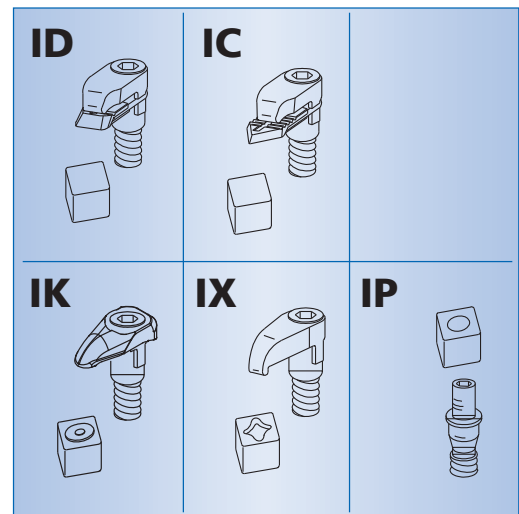
ID

7

Werkzeiglänge
Tool length
Longeur d'outil

| | I ₁ mm |
|----------|----------------------|
| K | 125 |
| M | 150 |
| P | 170 |
| R | 200 |
| S | 250 |
| V | 400 |

Klemmart
Clamping system
Système de serrage



Inhaltsverzeichnis Drehwerkzeuge

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Das integrierte SPK-Klemmsystem IKS

The integrated SPK clamping system IKS
La système IKS de serrage SPK intégré

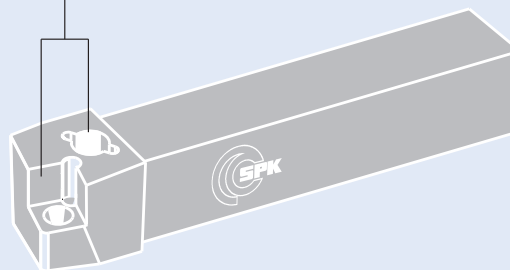
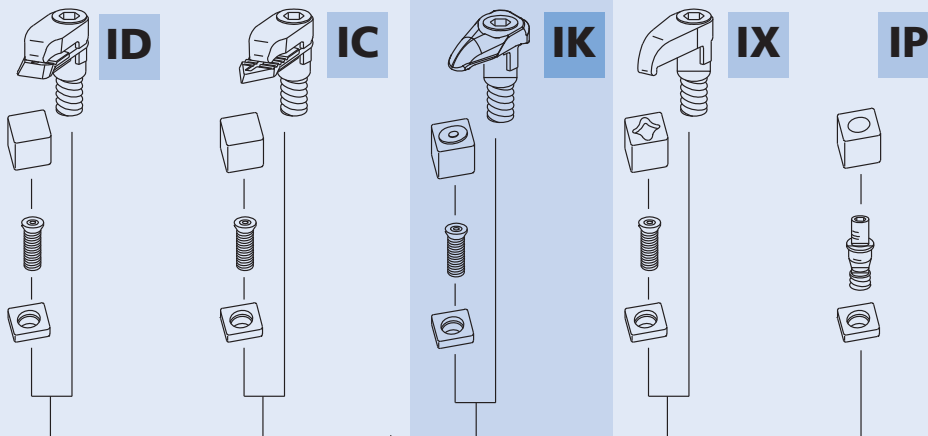
Klemmelement mit Druckplatte
(für kurzspanende Werkstoffe)
Clamping element with thrust plate
(for short-chip material)
Élément de serrage avec plaquette de poussée (pour des matières à copeaux fragmentés)

Klemmelement mit Spanformer
Clamping element with chip breaker
Élément de serrage avec brise-copeaux

IKS-PRO Muldenklemmung
IKS-PRO notch clamping
Serrage par empreinte IKS-PRO

IKS-Muldenklemmung
IKS notch clamping
Serrage par empreinte IKS

Lochklemmung
Center hole clamping
Serrage par trou

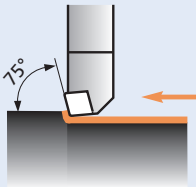
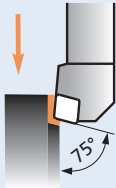
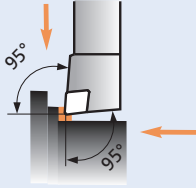
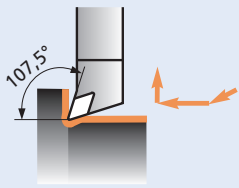
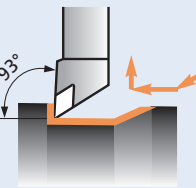
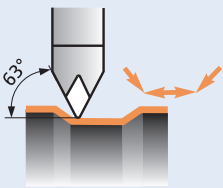
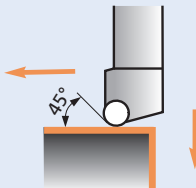
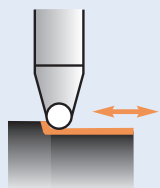
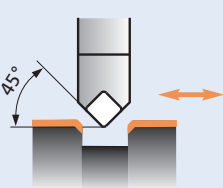
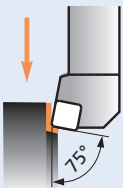
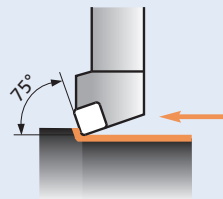
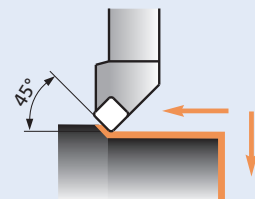
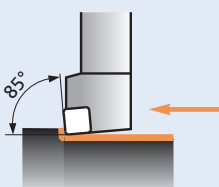
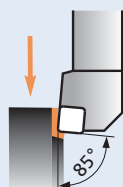
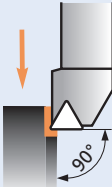
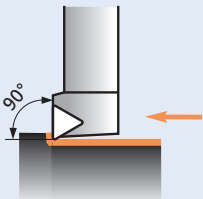


Ein Grundelement für 5 Klemmsysteme
One basic element for 5 clamping systems
Un seul élément de base pour 5 systèmes de serrage

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IKS-Drehwerkzeuge • IKS Tools for turning • *Porte-outils IKS pour le tournage*

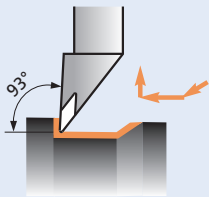
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| CCBN L / R PCBN L / R  Seite • Page 12-13 | CCKN L / R PCKN L / R  Seite • Page 14-15 | CCLN L / R PCLN L / R  Seite • Page 16-17 | CDHN L / R PDHN L / R  Seite • Page 18-19 |
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| CSDN N PSDN N  Seite • Page 26-27 | CSKN L / R PSKN L / R  Seite • Page 28-29 | CSRN L / R PSRN L / R  Seite • Page 30-31 | CSSN L / R PSSN L / R  Seite • Page 32-33 |
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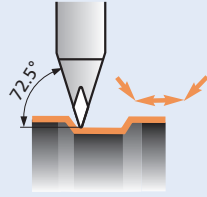
IKS-Drehwerkzeuge • IKS Tools for turning • Porte-outils IKS pour le tournage

CVJN L / R
PVJN L / R



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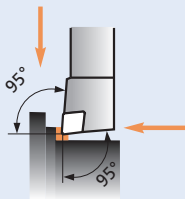
CVVN N
PVVN N



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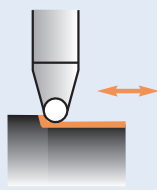
Drehwerkzeuge • Tools for turning • Porte-outils pour le tournage

CCLN L / R



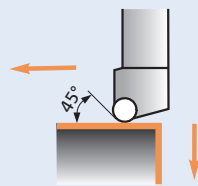
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CRDN L / R



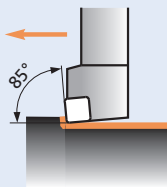
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CRSN L / R



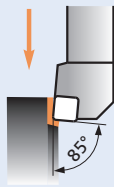
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CSXN L / R



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CSYN L / R

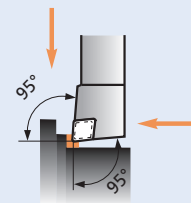
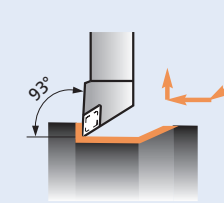
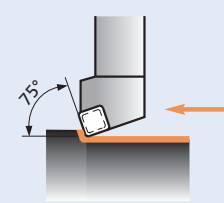
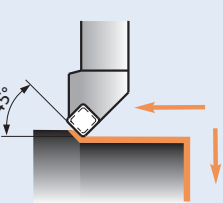


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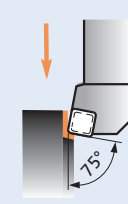
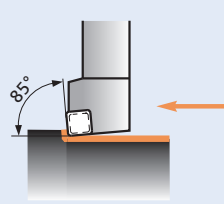
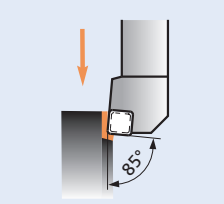
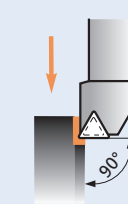
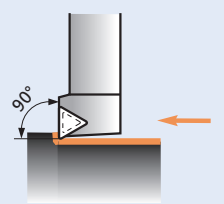
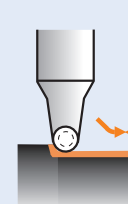
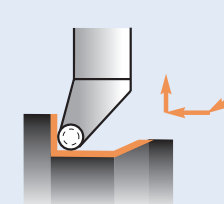
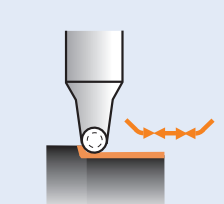
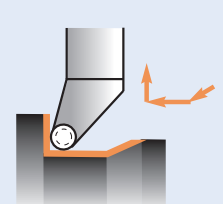
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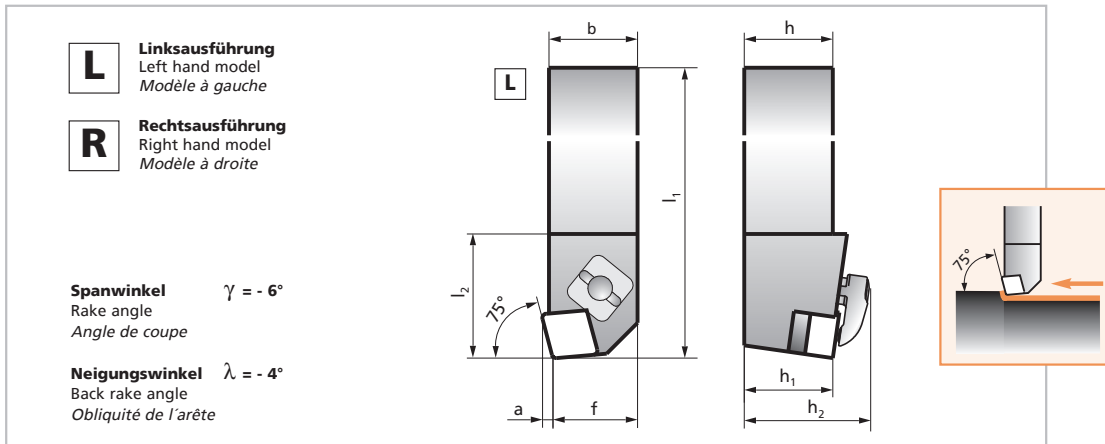
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Drehwerkzeuge positiv · Tools positiv for turning · Porte-outils positifs pour le tournage

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| CRDC N  Seite · Page 58-59 | CRGC L / R  Seite · Page 60 | CRXB N  Seite · Page 61-62 | CRGB L / R  Seite · Page 63 |

IKS-Drehwerkzeuge

IKS Tools for turning
Porte-outils IKS pour le tournage









| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|--|
| | CCBN L 2525 M 12 - IC 4 CCBN R 2525 M 12 - IC 4 CCBN L 3225 P 12 - IC 4 CCBN R 3225 P 12 - IC 4 CCBN L 2525 M 12 - ID 4 CCBN R 2525 M 12 - ID 4 CCBN L 3225 P 12 - ID 4 CCBN R 3225 P 12 - ID 4 | 711.24.040.04 | 70.91.15.017.0 | 70.91.22.015.0 | |
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| | | 711.23.040.08 | 70.91.15.005.0 | 70.91.26.009.6 | |
| | | 711.24.037.08 | 70.91.15.005.0 | 70.91.26.009.6 | |
| | | 711.23.037.08 | 70.91.15.005.0 | 70.91.26.009.6 | |

CCBN □ 2525 CCBN □ 3225
PCBN □ 2525 PCBN □ 3225

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a | D _{min} |
| CN .. 12 ... | 2525 | 25 | 25 | 150 | 32 | 22 | 40 | 3,10 | 260 |
| | 3225 | 32 | 25 | 170 | 32 | 22 | 47 | 3,10 | 330 |
| CN .. 16 ... | 2525 | 25 | 25 | 150 | 35 | 27 | 40 | 3,82 | 300 |
| | 3225 | 32 | 25 | 170 | 35 | 27 | 47 | 3,82 | 350 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

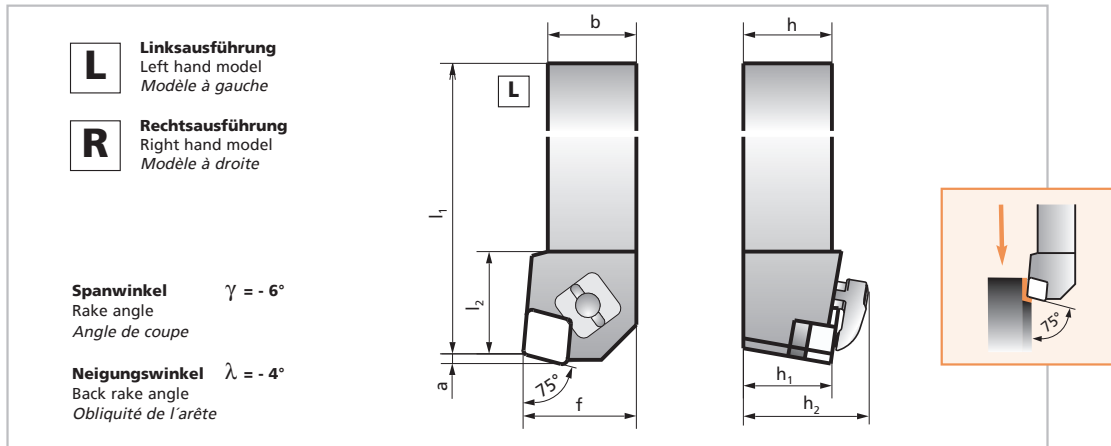
Keramik • Ceramic • Céramique ☞ 16 - 21 **Cermet** • Cermet • Cermet ☞ 59 - 67 **WURBON®** • WURBON® • WURBON® ☞ 85 - 89







| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|---|-----------------|---|--|---|----------------|
| | | |  |  | |
|  | CN . N 16 04 .. | CCBN L 2525 M 16 - IC 4 | 711.24.023.04 | 70.91.15.004.0 | 70.91.22.017.0 |
| | | CCBN R 2525 M 16 - IC 4 | 711.23.023.04 | 70.91.15.003.0 | 70.91.22.017.0 |
| | | CCBN L 3225 P 16 - IC 4 | 711.24.024.04 | 70.91.15.004.0 | 70.91.22.017.0 |
| | | CCBN R 3225 P 16 - IC 4 | 711.23.024.04 | 70.91.15.003.0 | 70.91.22.017.0 |
| | | CCBN L 2525 M 16 - ID 4 | 711.24.023.02 | 70.91.15.005.0 | 70.91.22.017.0 |
| | | CCBN R 2525 M 16 - ID 4 | 711.23.023.02 | 70.91.15.005.0 | 70.91.22.017.0 |
| | | CCBN L 3225 P 16 - ID 4 | 711.24.024.02 | 70.91.15.005.0 | 70.91.22.017.0 |
| | | CCBN R 3225 P 16 - ID 4 | 711.23.024.02 | 70.91.15.005.0 | 70.91.22.017.0 |
|  | CN . N 16 07 .. | CCBN L 2525 M 16 - IC 7 | 711.24.023.03 | 70.91.15.004.0 | 70.91.22.016.0 |
| | | CCBN R 2525 M 16 - IC 7 | 711.23.023.03 | 70.91.15.003.0 | 70.91.22.016.0 |
| | | CCBN L 3225 P 16 - IC 7 | 711.24.024.03 | 70.91.15.004.0 | 70.91.22.016.0 |
| | | CCBN R 3225 P 16 - IC 7 | 711.23.024.03 | 70.91.15.003.0 | 70.91.22.016.0 |
| | | CCBN L 2525 M 16 - ID 7 | 711.24.023.01 | 70.91.15.005.0 | 70.91.22.016.0 |
| | | CCBN R 2525 M 16 - ID 7 | 711.23.023.01 | 70.91.15.005.0 | 70.91.22.016.0 |
| | | CCBN L 3225 P 16 - ID 7 | 711.24.024.01 | 70.91.15.005.0 | 70.91.22.016.0 |
| | | CCBN R 3225 P 16 - ID 7 | 711.23.024.01 | 70.91.15.005.0 | 70.91.22.016.0 |
| IKS - PRO  | CN . X 16 07 .. | CCBN L 2525 M 16 - IK 7 | 711.24.023.25 | 70.91.11.718.6 | 70.91.22.016.0 |
| | | CCBN R 2525 M 16 - IK 7 | 711.23.023.25 | 70.91.11.718.6 | 70.91.22.016.0 |
| | | CCBN L 3225 P 16 - IK 7 | 711.24.024.25 | 70.91.11.718.6 | 70.91.22.016.0 |
| | | CCBN R 3225 P 16 - IK 7 | 711.23.024.25 | 70.91.11.718.6 | 70.91.22.016.0 |
|  | CN . X 16 07 .. | CCBN L 2525 M 16 - IX 7 | 711.24.023.05 | 70.91.11.316.0 | 70.91.22.016.0 |
| | | CCBN R 2525 M 16 - IX 7 | 711.23.023.05 | 70.91.11.316.0 | 70.91.22.016.0 |
| | | CCBN L 3225 P 16 - IX 7 | 711.24.024.05 | 70.91.11.316.0 | 70.91.22.016.0 |
| | | CCBN R 3225 P 16 - IX 7 | 711.23.024.05 | 70.91.11.316.0 | 70.91.22.016.0 |

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Table des matières porte-outils pour le tournage



| SPK- Schneidplatte SPK Insert Plaquette SPK | ISO | SPK- Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|--|
| CN . N 12 04 ..  CN . N 12 07 ..  | CCKN L 2525 M 12 - IC 4 CCKN R 2525 M 12 - IC 4 CCKN L 3225 P 12 - IC 4 CCKN R 3225 P 12 - IC 4 CCKN L 2525 M 12 - ID 4 CCKN R 2525 M 12 - ID 4 CCKN L 3225 P 12 - ID 4 CCKN R 3225 P 12 - ID 4 | 711.24.025.04 | 70.91.15.017.0 | 70.91.22.015.0 | |
| | | 711.23.025.04 | 70.91.15.016.0 | 70.91.22.015.0 | |
| | | 711.24.026.04 | 70.91.15.017.0 | 70.91.22.015.0 | |
| | | 711.23.026.04 | 70.91.15.016.0 | 70.91.22.015.0 | |
| | | 711.24.025.02 | 70.91.15.005.0 | 70.91.22.015.0 | |
| | | 711.23.025.02 | 70.91.15.005.0 | 70.91.22.015.0 | |
| | | 711.24.026.02 | 70.91.15.005.0 | 70.91.22.015.0 | |
| | | 711.23.026.02 | 70.91.15.005.0 | 70.91.22.015.0 | |
| | CCKN L 2525 M 12 - IC 7 CCKN R 2525 M 12 - IC 7 CCKN L 3225 P 12 - IC 7 CCKN R 3225 P 12 - IC 7 CCKN L 2525 M 12 - ID 7 CCKN R 2525 M 12 - ID 7 CCKN L 3225 P 12 - ID 7 CCKN R 3225 P 12 - ID 7 | 711.24.025.03 | 70.91.15.017.0 | 70.91.22.014.0 | |
| | | 711.23.025.03 | 70.91.15.016.0 | 70.91.22.014.0 | |
| | | 711.24.026.03 | 70.91.15.017.0 | 70.91.22.014.0 | |
| | | 711.23.026.03 | 70.91.15.016.0 | 70.91.22.014.0 | |
| | | 711.24.025.01 | 70.91.15.005.0 | 70.91.22.014.0 | |
| | | 711.23.025.01 | 70.91.15.005.0 | 70.91.22.014.0 | |
| 711.24.026.01 | | 70.91.15.005.0 | 70.91.22.014.0 | | |
| 711.23.026.01 | | 70.91.15.005.0 | 70.91.22.014.0 | | |
| IKS - PRO CN . X 12 04 ..  CN . X 12 07 ..  CN . X 12 07 ..  CN . A 12 04 ..  | CCKN L 2525 M 12 - IK 4 CCKN R 2525 M 12 - IK 4 CCKN L 3225 P 12 - IK 4 CCKN R 3225 P 12 - IK 4 | 711.24.025.29 | 70.91.11.718.6 | 70.91.22.015.0 | |
| | | 711.23.025.29 | 70.91.11.718.6 | 70.91.22.015.0 | |
| | | 711.24.026.29 | 70.91.11.718.6 | 70.91.22.015.0 | |
| | | 711.23.026.29 | 70.91.11.718.6 | 70.91.22.015.0 | |
| | CCKN L 2525 M 12 - IK 7 CCKN R 2525 M 12 - IK 7 CCKN L 3225 P 12 - IK 7 CCKN R 3225 P 12 - IK 7 | 711.24.025.25 | 70.91.11.718.6 | 70.91.22.014.0 | |
| | | 711.23.025.25 | 70.91.11.718.6 | 70.91.22.014.0 | |
| | | 711.24.026.25 | 70.91.11.718.6 | 70.91.22.014.0 | |
| | | 711.23.026.25 | 70.91.11.718.6 | 70.91.22.014.0 | |
| | CCKN L 2525 M 12 - IX 7 CCKN R 2525 M 12 - IX 7 CCKN L 3225 P 12 - IX 7 CCKN R 3225 P 12 - IX 7 | 711.24.025.05 | 70.91.11.371.0 | 70.91.22.014.0 | |
| | | 711.23.025.05 | 70.91.11.371.0 | 70.91.22.014.0 | |
| 711.24.026.05 | | 70.91.11.371.0 | 70.91.22.014.0 | | |
| 711.23.026.05 | | 70.91.11.371.0 | 70.91.22.014.0 | | |
| PCKN L 2525 M 12 - IP 4 PCKN R 2525 M 12 - IP 4 PCKN L 3225 P 12 - IP 4 PCKN R 3225 P 12 - IP 4 | 711.24.025.08 | 70.91.15.005.0 | | 70.91.26.009.6 | |
| | 711.23.025.08 | 70.91.15.005.0 | | 70.91.26.009.6 | |
| | 711.24.026.08 | 70.91.15.005.0 | | 70.91.26.009.6 | |
| | 711.23.026.08 | 70.91.15.005.0 | | 70.91.26.009.6 | |

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| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a | D _{min} |
| CN . . 12 | 2525 | 25 | 25 | 150 | 29 | 32 | 40 | 3,10 | 400 |
| | 3225 | 32 | 25 | 170 | 29 | 32 | 47 | 3,10 | 450 |
| CN . . 16 | 2525 | 25 | 25 | 150 | 27 | 32 | 40 | 3,82 | 400 |
| | 3225 | 32 | 25 | 170 | 27 | 32 | 47 | 3,82 | 450 |

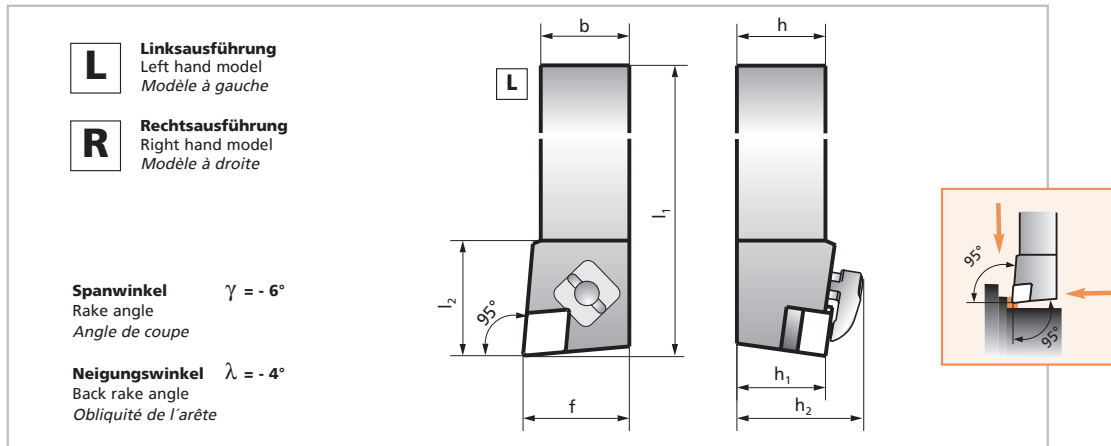
Schnittdatenempfehlungen • Cutting data recommendations • Recommandations de conditions de coupe







Keramik • Ceramic • Céramique 16 - 21 Cermet • Cermet • Cermet 59 - 67 WURBON® • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|--|----------------|--|
| | | | | | |
| CN . N 16 04 .. | CCKN L 2525 M 16 - IC 4 | 711.24.029.04 | 70.91.15.004.0 | 70.91.22.017.0 | |
| | CCKN R 2525 M 16 - IC 4 | 711.23.029.04 | 70.91.15.003.0 | 70.91.22.017.0 | |
| | CCKN L 3225 P 16 - IC 4 | 711.24.030.04 | 70.91.15.004.0 | 70.91.22.017.0 | |
| | CCKN R 3225 P 16 - IC 4 | 711.23.030.04 | 70.91.15.003.0 | 70.91.22.017.0 | |
| | CCKN L 2525 M 16 - ID 4 | 711.24.029.02 | 70.91.15.005.0 | 70.91.22.017.0 | |
| | CCKN R 2525 M 16 - ID 4 | 711.23.029.02 | 70.91.15.005.0 | 70.91.22.017.0 | |
| | CCKN L 3225 P 16 - ID 4 | 711.24.030.02 | 70.91.15.005.0 | 70.91.22.017.0 | |
| | CCKN R 3225 P 16 - ID 4 | 711.23.030.02 | 70.91.15.005.0 | 70.91.22.017.0 | |
| CN . N 16 07 .. | CCKN L 2525 M 16 - IC 7 | 711.24.029.03 | 70.91.15.004.0 | 70.91.22.016.0 | |
| | CCKN R 2525 M 16 - IC 7 | 711.23.029.03 | 70.91.15.003.0 | 70.91.22.016.0 | |
| | CCKN L 3225 P 16 - IC 7 | 711.24.030.03 | 70.91.15.004.0 | 70.91.22.016.0 | |
| | CCKN R 3225 P 16 - IC 7 | 711.23.030.03 | 70.91.15.003.0 | 70.91.22.016.0 | |
| | CCKN L 2525 M 16 - ID 7 | 711.24.029.01 | 70.91.15.005.0 | 70.91.22.016.0 | |
| | CCKN R 2525 M 16 - ID 7 | 711.23.029.01 | 70.91.15.005.0 | 70.91.22.016.0 | |
| | CCKN L 3225 P 16 - ID 7 | 711.24.030.01 | 70.91.15.005.0 | 70.91.22.016.0 | |
| | CCKN R 3225 P 16 - ID 7 | 711.23.030.01 | 70.91.15.005.0 | 70.91.22.016.0 | |
| CN . X 16 07 .. IKS - PRO | CCKN L 2525 M 16 - IK 7 | 711.24.029.25 | 70.91.11.718.6 | 70.91.22.016.0 | |
| | CCKN R 2525 M 16 - IK 7 | 711.23.029.25 | 70.91.11.718.6 | 70.91.22.016.0 | |
| | CCKN L 3225 P 16 - IK 7 | 711.24.030.25 | 70.91.11.718.6 | 70.91.22.016.0 | |
| | CCKN R 3225 P 16 - IK 7 | 711.23.030.25 | 70.91.11.718.6 | 70.91.22.016.0 | |
| CN . X 16 07 .. | CCKN L 2525 M 16 - IX 7 | 711.24.029.05 | 70.91.11.316.0 | 70.91.22.016.0 | |
| | CCKN R 2525 M 16 - IX 7 | 711.23.029.05 | 70.91.11.316.0 | 70.91.22.016.0 | |
| | CCKN L 3225 P 16 - IX 7 | 711.24.030.05 | 70.91.11.316.0 | 70.91.22.016.0 | |
| | CCKN R 3225 P 16 - IX 7 | 711.23.030.05 | 70.91.11.316.0 | 70.91.22.016.0 | |

IKS-Drehwerkzeuge

IKS Tools for turning
Porte-outils IKS pour le tournage













| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|----------------|
| CN . N 12 04 ..  CN . N 12 07 ..  | CCLN L 2525 M 12 - IC 4 CCLN R 2525 M 12 - IC 4 CCLN L 3225 P 12 - IC 4 CCLN R 3225 P 12 - IC 4 CCLN L 2525 M 12 - ID 4 CCLN R 2525 M 12 - ID 4 CCLN L 3225 P 12 - ID 4 CCLN R 3225 P 12 - ID 4 | 711.24.001.04 | 70.91.15.002.0 | 70.91.22.015.0 | |
| | | 711.23.001.04 | 70.91.15.002.0 | 70.91.22.015.0 | |
| | | 711.24.002.04 | 70.91.15.002.0 | 70.91.22.015.0 | |
| | | 711.23.002.04 | 70.91.15.002.0 | 70.91.22.015.0 | |
| | | 711.24.001.02 | 70.91.15.005.0 | 70.91.22.015.0 | |
| | | 711.23.001.02 | 70.91.15.005.0 | 70.91.22.015.0 | |
| | CCLN L 2525 M 12 - IC 7 CCLN R 2525 M 12 - IC 7 CCLN L 3225 P 12 - IC 7 CCLN R 3225 P 12 - IC 7 CCLN L 2525 M 12 - ID 7 CCLN R 2525 M 12 - ID 7 CCLN L 3225 P 12 - ID 7 CCLN R 3225 P 12 - ID 7 | 711.24.001.03 | 70.91.15.002.0 | 70.91.22.014.0 | |
| | | 711.23.001.03 | 70.91.15.002.0 | 70.91.22.014.0 | |
| | | 711.24.002.03 | 70.91.15.002.0 | 70.91.22.014.0 | |
| | | 711.23.002.03 | 70.91.15.002.0 | 70.91.22.014.0 | |
| | | 711.24.001.01 | 70.91.15.005.0 | 70.91.22.014.0 | |
| | | 711.23.001.01 | 70.91.15.005.0 | 70.91.22.014.0 | |
| IKS - PRO CN . X 12 04 ..  CN . X 12 07 ..  CN . X 12 07 ..  | CCLN L 2525 M 12 - IK 4 CCLN R 2525 M 12 - IK 4 CCLN L 3225 P 12 - IK 4 CCLN R 3225 P 12 - IK 4 | 711.24.001.29 | 70.91.11.716.6 | 70.91.22.015.0 | |
| | | 711.23.001.29 | 70.91.11.716.6 | 70.91.22.015.0 | |
| | | 711.24.002.29 | 70.91.11.716.6 | 70.91.22.015.0 | |
| | | 711.23.002.29 | 70.91.11.716.6 | 70.91.22.015.0 | |
| | CCLN L 2525 M 12 - IK 7 CCLN R 2525 M 12 - IK 7 CCLN L 3225 P 12 - IK 7 CCLN R 3225 P 12 - IK 7 | 711.24.001.25 | 70.91.11.716.6 | 70.91.22.014.0 | |
| | | 711.23.001.25 | 70.91.11.716.6 | 70.91.22.014.0 | |
| | | 711.24.002.25 | 70.91.11.716.6 | 70.91.22.014.0 | |
| | | 711.23.002.25 | 70.91.11.716.6 | 70.91.22.014.0 | |
| | CCLN L 2525 M 12 - IX 7 CCLN R 2525 M 12 - IX 7 CCLN L 3225 P 12 - IX 7 CCLN R 3225 P 12 - IX 7 | 711.24.001.05 | 70.91.11.316.0 | 70.91.22.014.0 | |
| | | 711.23.001.05 | 70.91.11.316.0 | 70.91.22.014.0 | |
| | | 711.24.002.05 | 70.91.11.316.0 | 70.91.22.014.0 | |
| | | 711.23.002.05 | 70.91.11.316.0 | 70.91.22.014.0 | |
| CN . A 12 04 ..  | PCLN L 2525 M 12 - IP 4 PCLN R 2525 M 12 - IP 4 PCLN L 3225 P 12 - IP 4 PCLN R 3225 P 12 - IP 4 | 711.24.001.08 | 70.91.15.005.0 | | 70.91.26.009.6 |
| | 711.23.001.08 | 70.91.15.005.0 | | 70.91.26.009.6 | |
| | 711.24.002.08 | 70.91.15.005.0 | | 70.91.26.009.6 | |
| | 711.23.002.08 | 70.91.15.005.0 | | 70.91.26.009.6 | |

CCLN □ 2525 CCLN □ 3225
PCLN □ 2525 PCLN □ 3225

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | D _{min} |
| CN . . 12 | 2525 | 25 | 25 | 150 | 35 | 32 | 40 | 350 |
| | 3225 | 32 | 25 | 170 | 35 | 32 | 47 | 400 |
| CN . . 16 | 2525 | 25 | 25 | 150 | 35 | 32 | 40 | 350 |
| | 3225 | 32 | 25 | 170 | 35 | 32 | 47 | 400 |

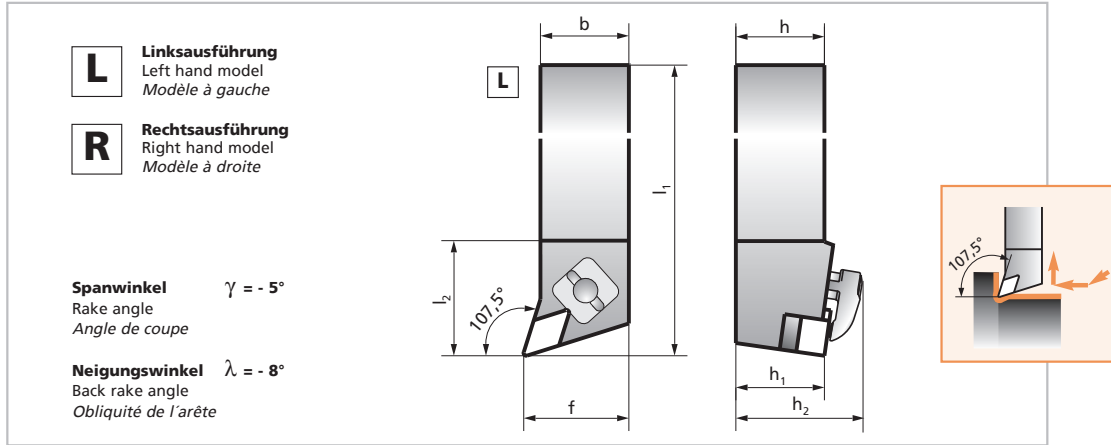
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*






Keramik • Ceramic • Céramique  16 - 21 Cermet • Cermet • Cermet  59 - 67 WURBON® • WURBON® • WURBON®  85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-----------------|---|---|---|---|
| | | |  |  |  |
|  | CN . N 16 04 .. | CCLN L 2525 M 16 - IC 4 | 711.24.009.04 | 70.91.15.006.0 | 70.91.22.017.0 |
| | | CCLN R 2525 M 16 - IC 4 | 711.23.009.04 | 70.91.15.006.0 | 70.91.22.017.0 |
| | | CCLN L 3225 P 16 - IC 4 | 711.24.010.04 | 70.91.15.006.0 | 70.91.22.017.0 |
| | | CCLN R 3225 P 16 - IC 4 | 711.23.010.04 | 70.91.15.006.0 | 70.91.22.017.0 |
| | | CCLN L 2525 M 16 - ID 4 | 711.24.009.02 | 70.91.15.005.0 | 70.91.22.017.0 |
| | | CCLN R 2525 M 16 - ID 4 | 711.23.009.02 | 70.91.15.005.0 | 70.91.22.017.0 |
| | | CCLN L 3225 P 16 - ID 4 | 711.24.010.02 | 70.91.15.005.0 | 70.91.22.017.0 |
| | | CCLN R 3225 P 16 - ID 4 | 711.23.010.02 | 70.91.15.005.0 | 70.91.22.017.0 |
|  | CN . N 16 07 .. | CCLN L 2525 M 16 - IC 7 | 711.24.009.03 | 70.91.15.006.0 | 70.91.22.016.0 |
| | | CCLN R 2525 M 16 - IC 7 | 711.23.009.03 | 70.91.15.006.0 | 70.91.22.016.0 |
| | | CCLN L 3225 P 16 - IC 7 | 711.24.010.03 | 70.91.15.006.0 | 70.91.22.016.0 |
| | | CCLN R 3225 P 16 - IC 7 | 711.23.010.03 | 70.91.15.006.0 | 70.91.22.016.0 |
| | | CCLN L 2525 M 16 - ID 7 | 711.24.009.01 | 70.91.15.005.0 | 70.91.22.016.0 |
| | | CCLN R 2525 M 16 - ID 7 | 711.23.009.01 | 70.91.15.005.0 | 70.91.22.016.0 |
| | | CCLN L 3225 P 16 - ID 7 | 711.24.010.01 | 70.91.15.005.0 | 70.91.22.016.0 |
| | | CCLN R 3225 P 16 - ID 7 | 711.23.010.01 | 70.91.15.005.0 | 70.91.22.016.0 |
| IKS - PRO  | CN . X 16 07 .. | CCLN L 2525 M 16 - IK 7 | 711.24.009.25 | 70.91.11.721.6 | 70.91.22.016.0 |
| | | CCLN R 2525 M 16 - IK 7 | 711.23.009.25 | 70.91.11.721.6 | 70.91.22.016.0 |
| | | CCLN L 3225 P 16 - IK 7 | 711.24.010.25 | 70.91.11.721.6 | 70.91.22.016.0 |
| | | CCLN R 3225 P 16 - IK 7 | 711.23.010.25 | 70.91.11.721.6 | 70.91.22.016.0 |
|  | CN . X 16 07 .. | CCLN L 2525 M 16 - IX 7 | 711.24.009.05 | 70.91.11.332.0 | 70.91.22.016.0 |
| | | CCLN R 2525 M 16 - IX 7 | 711.23.009.05 | 70.91.11.332.0 | 70.91.22.016.0 |
| | | CCLN L 3225 P 16 - IX 7 | 711.24.010.05 | 70.91.11.332.0 | 70.91.22.016.0 |
| | | CCLN R 3225 P 16 - IX 7 | 711.23.010.05 | 70.91.11.332.0 | 70.91.22.016.0 |

IKS-Drehwerkzeuge

IKS Tools for turning
Porte-outils IKS pour le tournage











| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|--|--|--|--|
| DN . N 12 04 ..  | CDHN L 2525 M 12 - IC 4 CDHN R 2525 M 12 - IC 4 CDHN L 3225 P 12 - IC 4 CDHN R 3225 P 12 - IC 4 CDHN L 2525 M 12 - ID 4 CDHN R 2525 M 12 - ID 4 CDHN L 3225 P 12 - ID 4 CDHN R 3225 P 12 - ID 4 | 711.24.019.04 711.23.019.04 711.24.020.04 711.23.020.04 711.24.019.02 711.23.019.02 711.24.020.02 711.23.020.02 |  70.91.15.014.0 70.91.15.013.0 70.91.15.014.0 70.91.15.013.0 70.91.15.001.0 70.91.15.001.0 70.91.15.001.0 70.91.15.001.0 |  70.91.22.019.0 70.91.22.019.0 70.91.22.019.0 70.91.22.019.0 70.91.22.019.0 70.91.22.019.0 70.91.22.019.0 70.91.22.019.0 | |
| DN . N 12 07 ..  | CDHN L 2525 M 12 - IC 7 CDHN R 2525 M 12 - IC 7 CDHN L 3225 P 12 - IC 7 CDHN R 3225 P 12 - IC 7 CDHN L 2525 M 12 - ID 7 CDHN R 2525 M 12 - ID 7 CDHN L 3225 P 12 - ID 7 CDHN R 3225 P 12 - ID 7 | 711.24.019.03 711.23.019.03 711.24.020.03 711.23.020.03 711.24.019.01 711.23.019.01 711.24.020.01 711.23.020.01 | 70.91.15.014.0 70.91.15.013.0 70.91.15.014.0 70.91.15.013.0 70.91.15.001.0 70.91.15.001.0 70.91.15.001.0 70.91.15.001.0 | 70.91.22.018.0 70.91.22.018.0 70.91.22.018.0 70.91.22.018.0 70.91.22.018.0 70.91.22.018.0 70.91.22.018.0 70.91.22.018.0 | |
| DN . X 12 07 ..  | CDHN L 2525 M 12 - IX 7 CDHN R 2525 M 12 - IX 7 CDHN L 3225 P 12 - IX 7 CDHN R 3225 P 12 - IX 7 | 711.24.019.05 711.23.019.05 711.24.020.05 711.23.020.05 | 70.91.11.316.0 70.91.11.316.0 70.91.11.316.0 70.91.11.316.0 | 70.91.22.018.0 70.91.22.018.0 70.91.22.018.0 70.91.22.018.0 | |

CDHN □ 2525 CDHN □ 3225
 PDHN □ 2525 PDHN □ 3225

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | D _{min} |
| DN . . 12 | 2525 | 25 | 25 | 150 | 30 | 32 | 40 | 350 |
| | 3225 | 32 | 25 | 170 | 30 | 32 | 47 | 400 |
| DN . . 15 | 2525 | 25 | 25 | 150 | 33 | 32 | 40 | 350 |
| | 3225 | 32 | 25 | 170 | 33 | 32 | 47 | 400 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

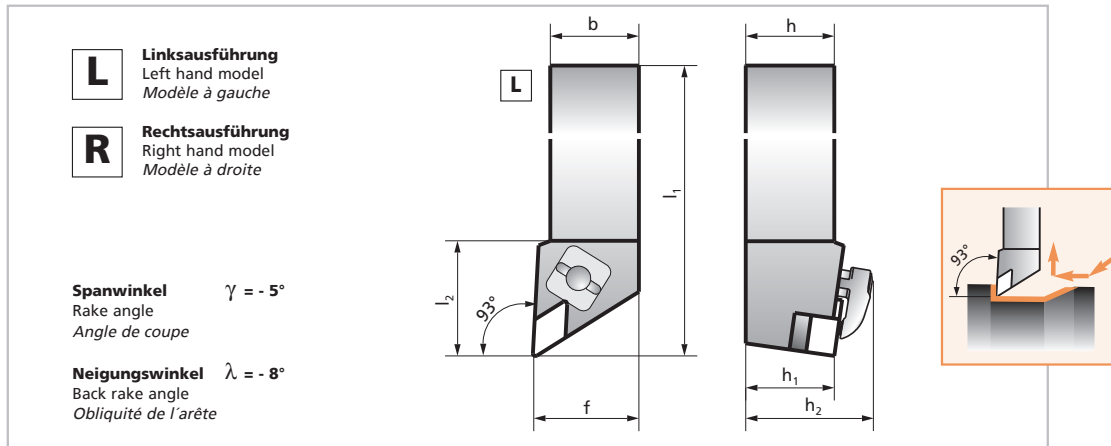
Keramik • Ceramic • Céramique 📄 16 - 21 Cermet • Cermet • Cermet 📄 59 - 67 WURBON® • WURBON® • WURBON® 📄 85 - 89






| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|---|--|---|---|---|---|
| | | |  |  |  |
| DN . N 15 07 ..  | CDHN L 2525 M 15 - IC 7 CDHN R 2525 M 15 - IC 7 CDHN L 3225 P 15 - IC 7 CDHN R 3225 P 15 - IC 7 CDHN L 2525 M 15 - ID 7 CDHN R 2525 M 15 - ID 7 CDHN L 3225 P 15 - ID 7 CDHN R 3225 P 15 - ID 7 | 711.24.021.03 | 70.91.15.011.0 | 70.91.22.020.0 | |
| | | 711.23.021.03 | 70.91.15.010.0 | 70.91.22.020.0 | |
| | | 711.24.022.03 | 70.91.15.011.0 | 70.91.22.020.0 | |
| | | 711.23.022.03 | 70.91.15.010.0 | 70.91.22.020.0 | |
| | | 711.24.021.01 | 70.91.15.005.0 | 70.91.22.020.0 | |
| | | 711.23.021.01 | 70.91.15.005.0 | 70.91.22.020.0 | |
| | | 711.24.022.01 | 70.91.15.005.0 | 70.91.22.020.0 | |
| | | 711.23.022.01 | 70.91.15.005.0 | 70.91.22.020.0 | |
| IKS - PRO DN . X 15 07 ..  | CDHN L 2525 M 15 - IK 7 CDHN R 2525 M 15 - IK 7 CDHN L 3225 P 15 - IK 7 CDHN R 3225 P 15 - IK 7 | 711.24.021.25 | 70.91.11.720.6 | 70.91.22.020.0 | |
| | | 711.23.021.25 | 70.91.11.720.6 | 70.91.22.020.0 | |
| | | 711.24.022.25 | 70.91.11.720.6 | 70.91.22.020.0 | |
| | | 711.23.022.25 | 70.91.11.720.6 | 70.91.22.020.0 | |
| DN . X 15 07 ..  | CDHN L 2525 M 15 - IX 7 CDHN R 2525 M 15 - IX 7 CDHN L 3225 P 15 - IX 7 CDHN R 3225 P 15 - IX 7 | 711.24.021.05 | 70.91.11.332.0 | 70.91.22.020.0 | |
| | | 711.23.021.05 | 70.91.11.332.0 | 70.91.22.020.0 | |
| | | 711.24.022.05 | 70.91.11.332.0 | 70.91.22.020.0 | |
| | | 711.23.022.05 | 70.91.11.332.0 | 70.91.22.020.0 | |
| DN . A 15 04 ..  | PDHN L 2525 M 15 - IP 4 PDHN R 2525 M 15 - IP 4 PDHN L 3225 P 15 - IP 4 PDHN R 3225 P 15 - IP 4 | 711.24.021.08 | 70.91.15.005.0 | | 70.91.26.012.6 |
| | | 711.23.021.08 | 70.91.15.005.0 | | 70.91.26.012.6 |
| | | 711.24.022.08 | 70.91.15.005.0 | | 70.91.26.012.6 |
| | | 711.23.022.08 | 70.91.15.005.0 | | 70.91.26.012.6 |
| DN . A 15 06 ..  | PDHN L 2525 M 15 - IP 6 PDHN R 2525 M 15 - IP 6 PDHN L 3225 P 15 - IP 6 PDHN R 3225 P 15 - IP 6 | 711.24.021.06 | 70.91.15.005.0 | | 70.91.26.050.6 |
| | | 711.23.021.06 | 70.91.15.005.0 | | 70.91.26.050.6 |
| | | 711.24.022.06 | 70.91.15.005.0 | | 70.91.26.050.6 |
| | | 711.23.022.06 | 70.91.15.005.0 | | 70.91.26.050.6 |

IKS-Drehwerkzeuge

IKS Tools for turning

Porte-outils IKS pour le tournage











| SPK- Schneidplatte SPK Insert Plaquette SPK | ISO | SPK- Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|--|--|--|
| | | |  |  | |
| DN . N 12 04 ..  | CDJN L 2525 M 12 - IC 4 | 711.24.013.04 | 70.91.15.014.0 | 70.91.22.019.0 | |
| | CDJN R 2525 M 12 - IC 4 | 711.23.013.04 | 70.91.15.013.0 | 70.91.22.019.0 | |
| | CDJN L 3225 P 12 - IC 4 | 711.24.014.04 | 70.91.15.014.0 | 70.91.22.019.0 | |
| | CDJN R 3225 P 12 - IC 4 | 711.23.014.04 | 70.91.15.013.0 | 70.91.22.019.0 | |
| | CDJN L 2525 M 12 - ID 4 | 711.24.013.02 | 70.91.15.001.0 | 70.91.22.019.0 | |
| | CDJN R 2525 M 12 - ID 4 | 711.23.013.02 | 70.91.15.001.0 | 70.91.22.019.0 | |
| | CDJN L 3225 P 12 - ID 4 | 711.24.014.02 | 70.91.15.001.0 | 70.91.22.019.0 | |
| | CDJN R 3225 P 12 - ID 4 | 711.23.014.02 | 70.91.15.001.0 | 70.91.22.019.0 | |
| DN . N 12 07 ..  | CDJN L 2525 M 12 - IC 7 | 711.24.013.03 | 70.91.15.014.0 | 70.91.22.018.0 | |
| | CDJN R 2525 M 12 - IC 7 | 711.23.013.03 | 70.91.15.013.0 | 70.91.22.018.0 | |
| | CDJN L 3225 P 12 - IC 7 | 711.24.014.03 | 70.91.15.014.0 | 70.91.22.018.0 | |
| | CDJN R 3225 P 12 - IC 7 | 711.23.014.03 | 70.91.15.013.0 | 70.91.22.018.0 | |
| | CDJN L 2525 M 12 - ID 7 | 711.24.013.01 | 70.91.15.001.0 | 70.91.22.018.0 | |
| | CDJN R 2525 M 12 - ID 7 | 711.23.013.01 | 70.91.15.001.0 | 70.91.22.018.0 | |
| | CDJN L 3225 P 12 - ID 7 | 711.24.014.01 | 70.91.15.001.0 | 70.91.22.018.0 | |
| | CDJN R 3225 P 12 - ID 7 | 711.23.014.01 | 70.91.15.001.0 | 70.91.22.018.0 | |
| DN . X 12 07 ..  | CDJN L 2525 M 12 - IX 7 | 711.24.013.05 | 70.91.11.316.0 | 70.91.22.018.0 | |
| | CDJN R 2525 M 12 - IX 7 | 711.23.013.05 | 70.91.11.316.0 | 70.91.22.018.0 | |
| | CDJN L 3225 P 12 - IX 7 | 711.24.014.05 | 70.91.11.316.0 | 70.91.22.018.0 | |
| | CDJN R 3225 P 12 - IX 7 | 711.23.014.05 | 70.91.11.316.0 | 70.91.22.018.0 | |

CDJN □ 2525 CDJN □ 3225
 PDJN □ 2525 PDJN □ 3225

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | D _{min} |
| DN . . 12 | 2525 | 25 | 25 | 150 | 38 | 32 | 40 | 350 |
| | 3225 | 32 | 25 | 170 | 38 | 32 | 47 | 400 |
| DN . . 15 | 2525 | 25 | 25 | 150 | 38 | 32 | 40 | 350 |
| | 3225 | 32 | 25 | 170 | 38 | 32 | 47 | 400 |

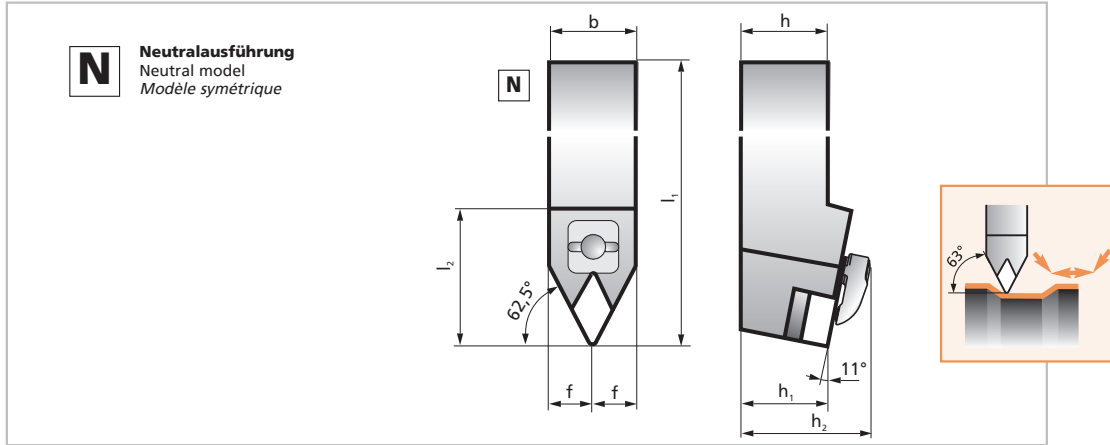
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*







Keramik • Ceramic • Céramique ☎ 16 - 21 Cermet • Cermet • Cermet ☎ 59 - 67 WURBON® • WURBON® • WURBON® ☎ 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|---|-------------------------|---|---|---|---|
| | | |  |  |  |
| DN . N 15 07 ..  | CDJN L 2525 M 15 - IC 7 | 711.24.007.03 | 70.91.15.011.0 | 70.91.22.020.0 | |
| | CDJN R 2525 M 15 - IC 7 | 711.23.007.03 | 70.91.15.010.0 | 70.91.22.020.0 | |
| | CDJN L 3225 P 15 - IC 7 | 711.24.008.03 | 70.91.15.011.0 | 70.91.22.020.0 | |
| | CDJN R 3225 P 15 - IC 7 | 711.23.008.03 | 70.91.15.010.0 | 70.91.22.020.0 | |
| | CDJN L 2525 M 15 - ID 7 | 711.24.007.01 | 70.91.15.005.0 | 70.91.22.020.0 | |
| | CDJN R 2525 M 15 - ID 7 | 711.23.007.01 | 70.91.15.005.0 | 70.91.22.020.0 | |
| | CDJN L 3225 P 15 - ID 7 | 711.24.008.01 | 70.91.15.005.0 | 70.91.22.020.0 | |
| | CDJN R 3225 P 15 - ID 7 | 711.23.008.01 | 70.91.15.005.0 | 70.91.22.020.0 | |
| IKS - PRO DN . X 15 07 ..  | CDJN L 2525 M 15 - IK 7 | 711.24.007.25 | 70.91.11.720.6 | 70.91.22.020.0 | |
| | CDJN R 2525 M 15 - IK 7 | 711.23.007.25 | 70.91.11.720.6 | 70.91.22.020.0 | |
| | CDJN L 3225 P 15 - IK 7 | 711.24.008.25 | 70.91.11.720.6 | 70.91.22.020.0 | |
| | CDJN R 3225 P 15 - IK 7 | 711.23.008.25 | 70.91.11.720.6 | 70.91.22.020.0 | |
| DN . X 15 07 ..  | CDJN L 2525 M 15 - IX 7 | 711.24.007.05 | 70.91.11.332.0 | 70.91.22.020.0 | |
| | CDJN R 2525 M 15 - IX 7 | 711.23.007.05 | 70.91.11.332.0 | 70.91.22.020.0 | |
| | CDJN L 3225 P 15 - IX 7 | 711.24.008.05 | 70.91.11.332.0 | 70.91.22.020.0 | |
| | CDJN R 3225 P 15 - IX 7 | 711.23.008.05 | 70.91.11.332.0 | 70.91.22.020.0 | |
| DN . A 15 04 ..  | PDJN L 2525 M 15 - IP 4 | 711.24.007.08 | 70.91.15.005.0 | | 70.91.26.012.6 |
| | PDJN R 2525 M 15 - IP 4 | 711.23.007.08 | 70.91.15.005.0 | | 70.91.26.012.6 |
| | PDJN L 3225 P 15 - IP 4 | 711.24.008.08 | 70.91.15.005.0 | | 70.91.26.012.6 |
| | PDJN R 3225 P 15 - IP 4 | 711.23.008.08 | 70.91.15.005.0 | | 70.91.26.012.6 |
| DN . A 15 06 ..  | PDJN L 2525 M 15 - IP 6 | 711.24.007.06 | 70.91.15.005.0 | | 70.91.26.050.6 |
| | PDJN R 2525 M 15 - IP 6 | 711.23.007.06 | 70.91.15.005.0 | | 70.91.26.050.6 |
| | PDJN L 3225 P 15 - IP 6 | 711.24.008.06 | 70.91.15.005.0 | | 70.91.26.050.6 |
| | PDJN R 3225 P 15 - IP 6 | 711.23.008.06 | 70.91.15.005.0 | | 70.91.26.050.6 |

IKS-Drehwerkzeuge

IKS Tools for turning
Porte-outils IKS pour le tournage














| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|--|--|
| | | |  |  |  |
| DN . N 12 04 ..  | CDNN N 2525 M 12 - ID 4 CDNN N 3225 P 12 - ID 4 | 711.25.009.02 711.25.010.02 | 70.91.15.005.0 70.91.15.005.0 | 70.91.22.019.0 70.91.22.019.0 | |
| DN . N 12 07 ..  | CDNN N 2525 M 12 - ID 7 CDNN N 3225 P 12 - ID 7 | 711.25.009.01 711.25.010.01 | 70.91.15.005.0 70.91.15.005.0 | 70.91.22.018.0 70.91.22.018.0 | |
| DN . X 12 07 ..  | CDNN N 2525 M 12 - IX 7 CDNN N 3225 P 12 - IX 7 | 711.25.009.05 711.25.010.05 | 70.91.11.316.0 70.91.11.316.0 | 70.91.22.018.0 70.91.22.018.0 | |

CDNN □ 2525 CDNN □ 3225
 PDNN □ 2525 PDNN □ 3225

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|------|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | D _{min} |
| DN . . 12 | 2525 | 25 | 25 | 150 | 40 | 12,5 | 40 | 300 |
| | 3225 | 32 | 25 | 170 | 40 | 12,5 | 47 | 450 |
| DN . . 15 | 2525 | 25 | 25 | 150 | 40 | 12,5 | 40 | 350 |
| | 3225 | 32 | 25 | 170 | 40 | 12,5 | 47 | 400 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

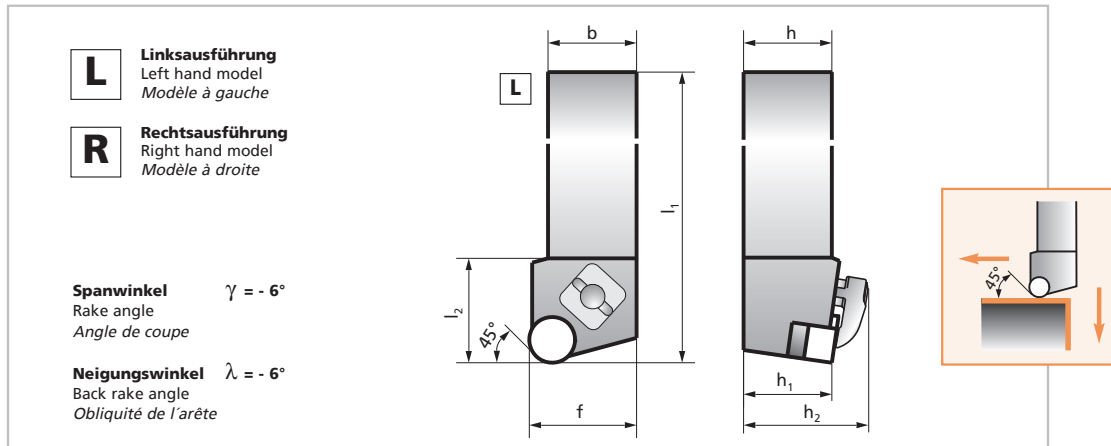
Keramik • Ceramic • Céramique  16 - 21 Cermet • Cermet • Cermet  59 - 67 WURBON® • WURBON® • WURBON®  85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|---|---|---|
| | | |  |  |  |
| DN . N 15 07 ..  | CDNN N 2525 M 15 - ID 7 | 711.25.001.01 | 70.91.15.005.0 | 70.91.22.020.0 | |
| | CDNN N 3225 P 15 - ID 7 | 711.25.002.01 | | | |
| DN . X 1507 ..  | CDNN N 2525 M 15 - IK 7 | 711.25.001.25 | 70.91.11.720.6 | 70.91.22.020.0 | |
| | CDNN N 3225 P 15 - IK 7 | 711.25.002.25 | | | |
| DN . X 1507 ..  | CDNN N 2525 M 15 - IX 7 | 711.25.001.05 | 70.91.11.332.0 | 70.91.22.020.0 | |
| | CDNN N 3225 P 15 - IX 7 | 711.25.002.05 | | | |
| DN . A 15 04 ..  | PDNN N 2525 M 15 - IP 4 | 711.25.001.08 | 70.91.15.005.0 | 70.91.15.005.0 | 70.91.26.012.6 |
| | PDNN N 3225 P 15 - IP 4 | 711.25.002.08 | | | |
| DN . A 15 06 ..  | PDNN N 2525 M 15 - IP 6 | 711.25.001.06 | 70.91.15.005.0 | 70.91.15.005.0 | 70.91.26.050.6 |
| | PDNN N 3225 P 15 - IP 6 | 711.25.002.06 | | | |

IKS-Drehwerkzeuge
 IKS Tools for turning
 Porte-outils IKS pour le tournage

CRSN □ 2525
 PRSN □ 2525

CRSN □ 3225
 PRSN □ 3225



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | D _{min} |
| RN .. 12 | 2525 | 25 | 25 | 150 | 28 | 32 | 40 | 400 |
| | 3225 | 32 | 25 | 170 | 28 | 32 | 47 | 450 |

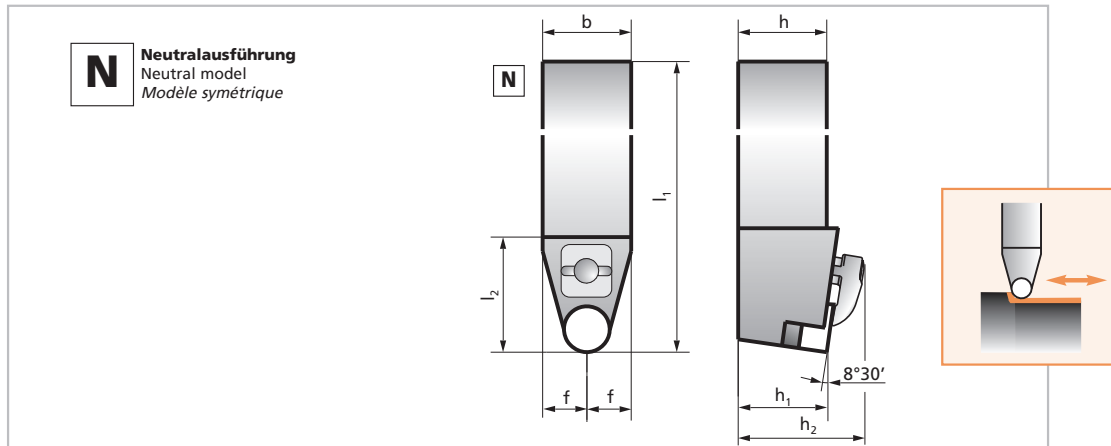
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique ☎ 16 - 21 **WURBON®** • WURBON® • WURBON® ☎ 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|--|--|--|--|
| RN . N 12 04 .. | CRSN L 2525 M 12 - ID 4 CRSN R 2525 M 12 - ID 4 CRSN L 3225 P 12 - ID 4 CRSN R 3225 P 12 - ID 4 | 711.44.001.02 711.43.001.02 711.44.002.02 711.43.002.02 | | | |
| RN . N 12 07 .. | CRSN L 2525 M 12 - ID 7 CRSN R 2525 M 12 - ID 7 CRSN L 3225 P 12 - ID 7 CRSN R 3225 P 12 - ID 7 | 711.44.001.01 711.43.001.01 711.44.002.01 711.43.002.01 | | | |
| RN . A 12 04 .. | PRSN L 2525 M 12 - IP 4 PRSN R 2525 M 12 - IP 4 PRSN L 3225 P 12 - IP 4 PRSN R 3225 P 12 - IP 4 | 711.44.001.08 711.43.001.08 711.44.002.08 711.43.002.08 | | | |




CRDN □ 2525 CRDN □ 3225
 PRDN □ 2525 PRDN □ 3225

IKS-Drehwerkzeuge
 IKS Tools for turning
 Porte-outils IKS pour le tournage



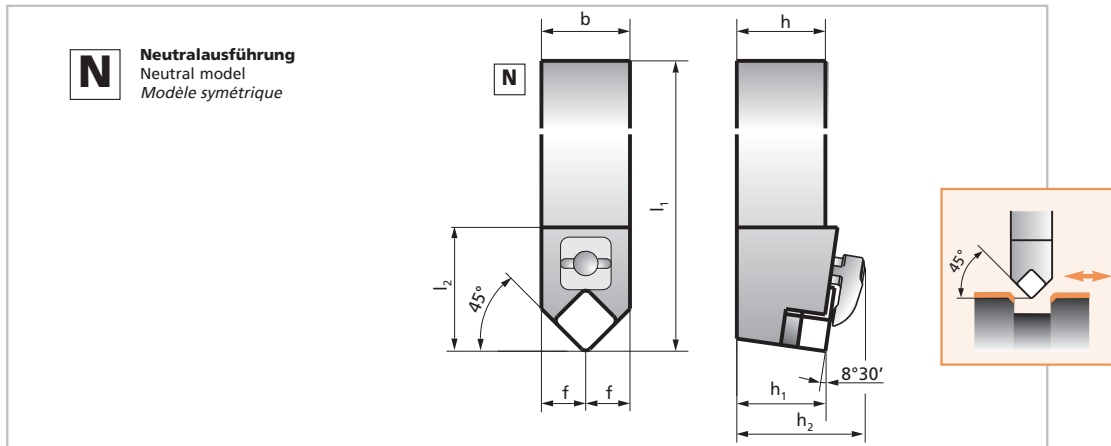
| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|------|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | D _{min} |
| RN .. 12 | 2525 | 25 | 25 | 150 | 32 | 12,5 | 40 | 300 |
| | 3225 | 32 | 25 | 170 | 35 | 12,5 | 47 | 350 |



















Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
 Keramik • Ceramic • Céramique ☎ 16 - 21 WURBON® • WURBON® • WURBON® ☎ 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|----------------|
| RN . N 12 04 ..  | CRDN N 2525 M 12 - ID 4 CRDN N 3225 P 12 - ID 4 | 711.46.001.02 | 70.91.15.001.0 | 70.91.22.034.0 | |
| | | 711.46.002.02 | 70.91.15.001.0 | 70.91.22.034.0 | |
| RN . N 12 07 ..  | CRDN N 2525 M 12 - ID 7 CRDN N 3225 P 12 - ID 7 | 711.46.001.01 | 70.91.15.001.0 | 70.91.22.033.0 | |
| | | 711.46.002.01 | 70.91.15.001.0 | 70.91.22.033.0 | |
| RN . A 12 04 ..  | PRDN N 2525 M 12 - IP 4 PRDN N 3225 P 12 - IP 4 | 711.46.001.08 | 70.91.15.001.0 | | 70.91.26.043.6 |
| | | 711.46.002.08 | 70.91.15.001.0 | | 70.91.26.043.6 |

IKS-Drehwerkzeuge

IKS Tools for turning
Porte-outils IKS pour le tournage



| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|---|--|--|--|--|--|
| SN . N 12 04 ..  | CSDN N 2525 M 12 - IC 4 CSDN N 3225 P 12 - IC 4 CSDN N 2525 M 12 - ID 4 CSDN N 3225 P 12 - ID 4 | 711.06.002.04 711.06.003.04 711.06.002.02 711.06.003.02 |  70.91.15.002.0 70.91.15.002.0 70.91.15.005.0 70.91.15.005.0 |  70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 | |
| SN . N 12 07 ..  | CSDN N 2525 M 12 - IC 7 CSDN N 3225 P 12 - IC 7 CSDN N 2525 M 12 - ID 7 CSDN N 3225 P 12 - ID 7 | 711.06.002.03 711.06.003.03 711.06.002.01 711.06.003.01 |  70.91.15.002.0 70.91.15.002.0 70.91.15.005.0 70.91.15.005.0 |  70.91.22.010.0 70.91.22.010.0 70.91.22.010.0 70.91.22.010.0 | |
| IKS - PRO SN . X 12 04 ..  SN . X 12 07 ..  | CSDN N 2525 M 12 - IK 4 CSDN N 3225 P 12 - IK 4 | 711.06.002.29 711.06.003.29 |  70.91.11.718.6 70.91.11.718.6 |  70.91.22.011.0 70.91.22.011.0 | |
| | CSDN N 2525 M 12 - IK 7 CSDN N 3225 P 12 - IK 7 | 711.06.002.25 711.06.003.25 |  70.91.11.718.6 70.91.11.718.6 |  70.91.22.010.0 70.91.22.010.0 | |
| SN . X 12 07 ..  | CSDN N 2525 M 12 - IX 7 CSDN N 3225 P 12 - IX 7 | 711.06.002.05 711.06.003.05 |  70.91.11.316.0 70.91.11.316.0 |  70.91.22.010.0 70.91.22.010.0 | |
| SN . A 12 04 ..  | PSDN N 2525 M 12 - IP 4 PSDN N 3225 P 12 - IP 4 | 711.06.002.08 711.06.003.08 |  70.91.15.005.0 70.91.15.005.0 |  70.91.26.007.6 70.91.26.007.6 | |

CSDN □ 2525 CSDN □ 3225
 PSDN □ 2525 PSDN □ 3225



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|------|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | D _{min} |
| SN .. 12 | 2525 | 25 | 25 | 150 | 35 | 12,5 | 40 | 300 |
| | 3225 | 32 | 25 | 170 | 35 | 12,5 | 47 | 350 |
| SN .. 15 | 2525 | 25 | 25 | 150 | 38 | 12,5 | 40 | 300 |
| | 3225 | 32 | 25 | 170 | 38 | 12,5 | 47 | 350 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

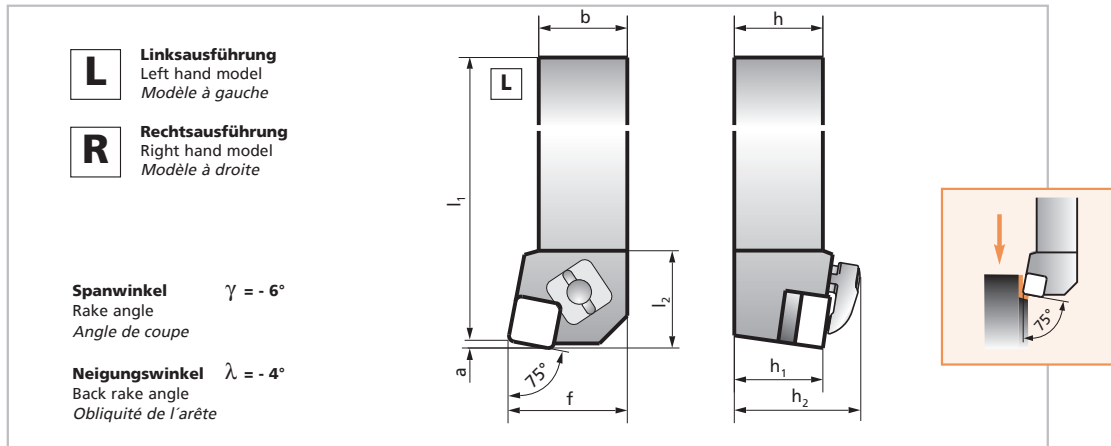
Keramik • Ceramic • Céramique 16 - 21 Cermet • Cermet • Cermet 59 - 67 WURBON® • WURBON® • WURBON® 85 - 89







| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|--|
| | | | | | |
| SN . N 15 04 .. | CSDN N 2525 M 15 - IC 4 CSDN N 3225 P 15 - IC 4 CSDN N 2525 M 15 - ID 4 CSDN N 3225 P 15 - ID 4 | 711.06.006.04 | 70.91.15.006.0 | 70.91.22.013.0 | |
| | | 711.06.007.04 | 70.91.15.006.0 | 70.91.22.013.0 | |
| | | 711.06.006.02 | 70.91.15.005.0 | 70.91.22.013.0 | |
| | | 711.06.007.02 | 70.91.15.005.0 | 70.91.22.013.0 | |
| SN . N 15 07 .. | CSDN N 2525 M 15 - IC 7 CSDN N 3225 P 15 - IC 7 CSDN N 2525 M 15 - ID 7 CSDN N 3225 P 15 - ID 7 | 711.06.006.03 | 70.91.15.006.0 | 70.91.22.012.0 | |
| | | 711.06.007.03 | 70.91.15.006.0 | 70.91.22.012.0 | |
| | | 711.06.006.01 | 70.91.15.005.0 | 70.91.22.012.0 | |
| | | 711.06.007.01 | 70.91.15.005.0 | 70.91.22.012.0 | |
| SN . X 15 07 .. | CSDN N 2525 M 15 - IK 7 CSDN N 3225 P 15 - IK 7 | 711.06.006.25 | 70.91.11.718.6 | 70.91.22.012.0 | |
| | | 711.06.007.25 | 70.91.11.718.6 | 70.91.22.012.0 | |
| IKS - PRO SN . X 15 07 .. | CSDN N 2525 M 15 - IX 7 CSDN N 3225 P 15 - IX 7 | 711.06.006.05 | 70.91.11.316.0 | 70.91.22.012.0 | |
| | | 711.06.007.05 | 70.91.11.316.0 | 70.91.22.012.0 | |

IKS-Drehwerkzeuge

IKS Tools for turning

Porte-outils IKS pour le tournage










| SPK- Schneidplatte SPK Insert Plaquette SPK | ISO | SPK- Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|----------------|
| SN . N 12 04 ..  SN . N 12 07 ..  | CSKN L 2525 M 12 - IC 4 CSKN R 2525 M 12 - IC 4 CSKN L 3225 P 12 - IC 4 CSKN R 3225 P 12 - IC 4 CSKN L 2525 M 12 - ID 4 CSKN R 2525 M 12 - ID 4 CSKN L 3225 P 12 - ID 4 CSKN R 3225 P 12 - ID 4 | 711.04.003.04 | 70.91.15.003.0 | 70.91.22.011.0 | |
| | | 711.03.003.04 | 70.91.15.004.0 | 70.91.22.011.0 | |
| | | 711.04.004.04 | 70.91.15.003.0 | 70.91.22.011.0 | |
| | | 711.03.004.04 | 70.91.15.004.0 | 70.91.22.011.0 | |
| | | 711.04.003.02 | 70.91.15.005.0 | 70.91.22.011.0 | |
| | | 711.03.003.02 | 70.91.15.005.0 | 70.91.22.011.0 | |
| | | 711.04.004.02 | 70.91.15.005.0 | 70.91.22.011.0 | |
| | 711.03.004.02 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | CSKN L 2525 M 12 - IC 7 CSKN R 2525 M 12 - IC 7 CSKN L 3225 P 12 - IC 7 CSKN R 3225 P 12 - IC 7 CSKN L 2525 M 12 - ID 7 CSKN R 2525 M 12 - ID 7 CSKN L 3225 P 12 - ID 7 CSKN R 3225 P 12 - ID 7 | 711.04.003.03 | 70.91.15.003.0 | 70.91.22.010.0 | |
| | | 711.03.003.03 | 70.91.15.004.0 | 70.91.22.010.0 | |
| | | 711.04.004.03 | 70.91.15.003.0 | 70.91.22.010.0 | |
| | | 711.03.004.03 | 70.91.15.004.0 | 70.91.22.010.0 | |
| | | 711.04.003.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| | | 711.03.003.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| 711.04.004.01 | | 70.91.15.005.0 | 70.91.22.010.0 | | |
| 711.03.004.01 | 70.91.15.005.0 | 70.91.22.010.0 | | | |
| IKS - PRO SN . X 12 04 ..  SN . X 12 07 ..  | CSKN L 2525 M 12 - IK 4 CSKN R 2525 M 12 - IK 4 CSKN L 3225 P 12 - IK 4 CSKN R 3225 P 12 - IK 4 | 711.04.003.29 | 70.91.11.718.6 | 70.91.22.011.0 | |
| | | 711.03.003.29 | 70.91.11.718.6 | 70.91.22.011.0 | |
| | | 711.04.004.29 | 70.91.11.718.6 | 70.91.22.011.0 | |
| | | 711.03.004.29 | 70.91.11.718.6 | 70.91.22.011.0 | |
| | CSKN L 2525 M 12 - IK 7 CSKN R 2525 M 12 - IK 7 CSKN L 3225 P 12 - IK 7 CSKN R 3225 P 12 - IK 7 | 711.04.003.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | | 711.03.003.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| SN . X 12 07 ..  | CSKN L 2525 M 12 - IX 7 CSKN R 2525 M 12 - IX 7 CSKN L 3225 P 12 - IX 7 CSKN R 3225 P 12 - IX 7 | 711.04.003.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| | | 711.03.003.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| | | 711.04.004.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| | | 711.03.004.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| SN . A 12 04 ..  | PSKN L 2525 M 12 - IP 4 PSKN R 2525 M 12 - IP 4 PSKN L 3225 P 12 - IP 4 PSKN R 3225 P 12 - IP 4 | 711.04.003.08 | 70.91.15.005.0 | | 70.91.26.007.6 |
| | | 711.03.003.08 | 70.91.15.005.0 | | 70.91.26.007.6 |
| | | 711.04.004.08 | 70.91.15.005.0 | | 70.91.26.007.6 |
| | | 711.03.004.08 | 70.91.15.005.0 | | 70.91.26.007.6 |

CSKN □ 2525 CSKN □ 3225
 PSKN □ 2525 PSKN □ 3225

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a | D _{min} |
| SN .. 12 | 2525 | 25 | 25 | 150 | 27 | 32 | 40 | 3,06 | 400 |
| | 3225 | 32 | 25 | 170 | 27 | 32 | 47 | 3,06 | 450 |
| SN .. 15 | 2525 | 25 | 25 | 150 | 28 | 32 | 40 | 3,77 | 400 |
| | 3225 | 32 | 25 | 170 | 28 | 32 | 47 | 3,77 | 450 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

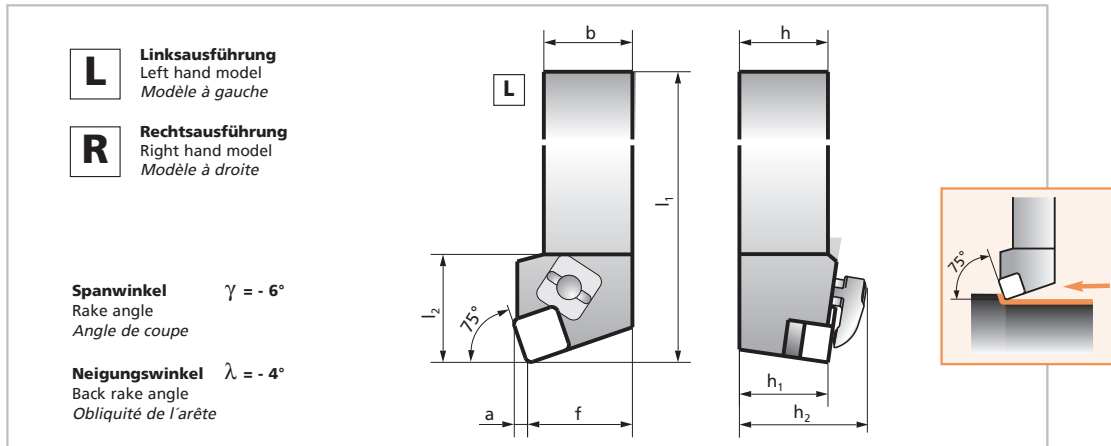
Keramik • Ceramic • Céramique 📄 16 - 21 Cermet • Cermet • Cermet 📄 59 - 67 WURBON® • WURBON® • WURBON® 📄 85 - 89







| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|---|---|---|
| | | |  |  |  |
| SN . N 15 04 ..  | CSKN L 2525 M 15 - IC 4 | 711.04.005.04 | 70.91.15.007.0 | 70.91.22.013.0 | |
| | CSKN R 2525 M 15 - IC 4 | 711.03.005.04 | 70.91.15.008.0 | 70.91.22.013.0 | |
| | CSKN L 3225 P 15 - IC 4 | 711.04.006.04 | 70.91.15.007.0 | 70.91.22.013.0 | |
| | CSKN R 3225 P 15 - IC 4 | 711.03.006.04 | 70.91.15.008.0 | 70.91.22.013.0 | |
| | CSKN L 2525 M 15 - ID 4 | 711.04.005.02 | 70.91.15.005.0 | 70.91.22.013.0 | |
| | CSKN R 2525 M 15 - ID 4 | 711.03.005.02 | 70.91.15.005.0 | 70.91.22.013.0 | |
| | CSKN L 3225 P 15 - ID 4 | 711.04.006.02 | 70.91.15.005.0 | 70.91.22.013.0 | |
| | CSKN R 3225 P 15 - ID 4 | 711.03.006.02 | 70.91.15.005.0 | 70.91.22.013.0 | |
| SN . N 15 07 ..  | CSKN L 2525 M 15 - IC 7 | 711.04.005.03 | 70.91.15.007.0 | 70.91.22.012.0 | |
| | CSKN R 2525 M 15 - IC 7 | 711.03.005.03 | 70.91.15.008.0 | 70.91.22.012.0 | |
| | CSKN L 3225 P 15 - IC 7 | 711.04.006.03 | 70.91.15.007.0 | 70.91.22.012.0 | |
| | CSKN R 3225 P 15 - IC 7 | 711.03.006.03 | 70.91.15.008.0 | 70.91.22.012.0 | |
| | CSKN L 2525 M 15 - ID 7 | 711.04.005.01 | 70.91.15.005.0 | 70.91.22.012.0 | |
| | CSKN R 2525 M 15 - ID 7 | 711.03.005.01 | 70.91.15.005.0 | 70.91.22.012.0 | |
| | CSKN L 3225 P 15 - ID 7 | 711.04.006.01 | 70.91.15.005.0 | 70.91.22.012.0 | |
| | CSKN R 3225 P 15 - ID 7 | 711.03.006.01 | 70.91.15.005.0 | 70.91.22.012.0 | |
| SN . X 15 07 ..  | CSKN L 2525 M 15 - IK 7 | 711.04.005.25 | 70.91.11.718.6 | 70.91.22.012.0 | |
| | CSKN R 2525 M 15 - IK 7 | 711.03.005.25 | 70.91.11.718.6 | 70.91.22.012.0 | |
| | CSKN L 3225 P 15 - IK 7 | 711.04.006.25 | 70.91.11.718.6 | 70.91.22.012.0 | |
| | CSKN R 3225 P 15 - IK 7 | 711.03.006.25 | 70.91.11.718.6 | 70.91.22.012.0 | |
| SN . X 15 07 ..  | CSKN L 2525 M 15 - IX 7 | 711.04.005.05 | 70.91.11.316.0 | 70.91.22.012.0 | |
| | CSKN R 2525 M 15 - IX 7 | 711.03.005.05 | 70.91.11.316.0 | 70.91.22.012.0 | |
| | CSKN L 3225 P 15 - IX 7 | 711.04.006.05 | 70.91.11.316.0 | 70.91.22.012.0 | |
| | CSKN R 3225 P 15 - IX 7 | 711.03.006.05 | 70.91.11.316.0 | 70.91.22.012.0 | |

IKS-Drehwerkzeuge

IKS Tools for turning

Porte-outils IKS pour le tournage








| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|----------------|
| SN . N 12 04 ..  SN . N 12 07 ..  | CSRN L 2525 M 12 - IC 4 CSRN R 2525 M 12 - IC 4 CSRN L 3225 P 12 - IC 4 CSRN R 3225 P 12 - IC 4 CSRN L 2525 M 12 - ID 4 CSRN R 2525 M 12 - ID 4 CSRN L 3225 P 12 - ID 4 CSRN R 3225 P 12 - ID 4 | 711.04.009.04 | 70.91.15.004.0 | 70.91.22.011.0 | |
| | | 711.03.009.04 | 70.91.15.003.0 | 70.91.22.011.0 | |
| | | 711.04.010.04 | 70.91.15.004.0 | 70.91.22.011.0 | |
| | | 711.03.010.04 | 70.91.15.003.0 | 70.91.22.011.0 | |
| | | 711.04.009.02 | 70.91.15.005.0 | 70.91.22.011.0 | |
| | | 711.03.009.02 | 70.91.15.005.0 | 70.91.22.011.0 | |
| | | 711.04.010.02 | 70.91.15.005.0 | 70.91.22.011.0 | |
| | 711.03.010.02 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | CSRN L 2525 M 12 - IC 7 CSRN R 2525 M 12 - IC 7 CSRN L 3225 P 12 - IC 7 CSRN R 3225 P 12 - IC 7 CSRN L 2525 M 12 - ID 7 CSRN R 2525 M 12 - ID 7 CSRN L 3225 P 12 - ID 7 CSRN R 3225 P 12 - ID 7 | 711.04.009.03 | 70.91.15.004.0 | 70.91.22.010.0 | |
| | | 711.03.009.03 | 70.91.15.003.0 | 70.91.22.010.0 | |
| | | 711.04.010.03 | 70.91.15.004.0 | 70.91.22.010.0 | |
| | | 711.03.010.03 | 70.91.15.003.0 | 70.91.22.010.0 | |
| | | 711.04.009.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| | | 711.03.009.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| 711.04.010.01 | | 70.91.15.005.0 | 70.91.22.010.0 | | |
| 711.03.010.01 | 70.91.15.005.0 | 70.91.22.010.0 | | | |
| IKS - PRO SN . X 12 04 ..  SN . X 12 07 ..  | CSRN L 2525 M 12 - IK 4 CSRN R 2525 M 12 - IK 4 CSRN L 3225 P 12 - IK 4 CSRN R 3225 P 12 - IK 4 | 711.04.009.29 | 70.91.11.718.6 | 70.91.22.011.0 | |
| | | 711.03.009.29 | 70.91.11.718.6 | 70.91.22.011.0 | |
| | | 711.04.010.29 | 70.91.11.718.6 | 70.91.22.011.0 | |
| | CSRN L 2525 M 12 - IK 7 CSRN R 2525 M 12 - IK 7 CSRN L 3225 P 12 - IK 7 CSRN R 3225 P 12 - IK 7 | 711.04.009.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | | 711.03.009.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | | 711.04.010.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| SN . X 12 07 ..  | CSRN L 2525 M 12 - IX 7 CSRN R 2525 M 12 - IX 7 CSRN L 3225 P 12 - IX 7 CSRN R 3225 P 12 - IX 7 | 711.04.009.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| | | 711.03.009.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| | | 711.04.010.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| | | 711.03.010.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| SN . A 12 04 ..  | PSRN L 2525 M 12 - IP 4 PSRN R 2525 M 12 - IP 4 PSRN L 3225 P 12 - IP 4 PSRN R 3225 P 12 - IP 4 | 711.04.009.08 | 70.91.15.005.0 | | 70.91.26.007.6 |
| | | 711.03.009.08 | 70.91.15.005.0 | | 70.91.26.007.6 |
| | | 711.04.010.08 | 70.91.15.005.0 | | 70.91.26.007.6 |
| | | 711.03.010.08 | 70.91.15.005.0 | | 70.91.26.007.6 |

CSRN □ 2525 CSRN □ 3225
 PSRN □ 2525 PSRN □ 3225

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a | D _{min} |
| SN .. 12 | 2525 | 25 | 25 | 150 | 32 | 27 | 40 | 3,06 | 300 |
| | 3225 | 32 | 25 | 170 | 32 | 27 | 47 | 3,06 | 350 |
| SN .. 15 | 2525 | 25 | 25 | 150 | 34 | 27 | 40 | 3,77 | 300 |
| | 3225 | 32 | 25 | 170 | 34 | 27 | 47 | 3,77 | 350 |

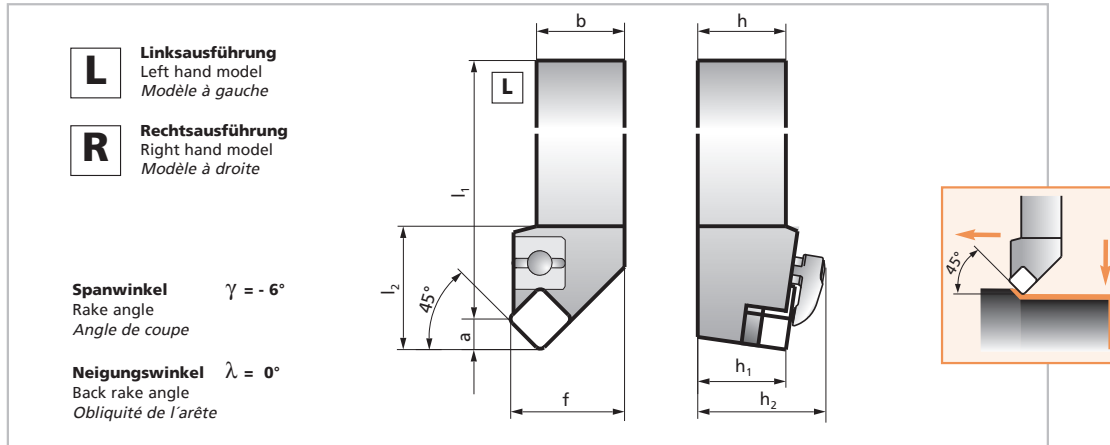
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique 📄 16 - 21 Cermet • Cermet • Cermet 📄 59 - 67 WURBON® • WURBON® • WURBON® 📄 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|---|-----------------|---|---|---|----------------|
| | | |  |  | |
|  | SN . N 15 04 .. | CSRN L 2525 M 15 - IC 4 | 711.04.011.04 | 70.91.15.008.0 | 70.91.22.013.0 |
| | | CSRN R 2525 M 15 - IC 4 | 711.03.011.04 | 70.91.15.007.0 | 70.91.22.013.0 |
| | | CSRN L 3225 P 15 - IC 4 | 711.04.012.04 | 70.91.15.008.0 | 70.91.22.013.0 |
| | | CSRN R 3225 P 15 - IC 4 | 711.03.012.04 | 70.91.15.007.0 | 70.91.22.013.0 |
| | | CSRN L 2525 M 15 - ID 4 | 711.04.011.02 | 70.91.15.005.0 | 70.91.22.013.0 |
| | | CSRN R 2525 M 15 - ID 4 | 711.03.011.02 | 70.91.15.005.0 | 70.91.22.013.0 |
| | | CSRN L 3225 P 15 - ID 4 | 711.04.012.02 | 70.91.15.005.0 | 70.91.22.013.0 |
| | | CSRN R 3225 P 15 - ID 4 | 711.03.012.02 | 70.91.15.005.0 | 70.91.22.013.0 |
|  | SN . N 15 07 .. | CSRN L 2525 M 15 - IC 7 | 711.04.011.03 | 70.91.15.008.0 | 70.91.22.012.0 |
| | | CSRN R 2525 M 15 - IC 7 | 711.03.011.03 | 70.91.15.007.0 | 70.91.22.012.0 |
| | | CSRN L 3225 P 15 - IC 7 | 711.04.012.03 | 70.91.15.008.0 | 70.91.22.012.0 |
| | | CSRN R 3225 P 15 - IC 7 | 711.03.012.03 | 70.91.15.007.0 | 70.91.22.012.0 |
| | | CSRN L 2525 M 15 - ID 7 | 711.04.011.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| | | CSRN R 2525 M 15 - ID 7 | 711.03.011.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| | | CSRN L 3225 P 15 - ID 7 | 711.04.012.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| | | CSRN R 3225 P 15 - ID 7 | 711.03.012.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| IKS - PRO | SN . X 15 07 .. | CSRN L 2525 M 15 - IK 7 | 711.04.011.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| | | CSRN R 2525 M 15 - IK 7 | 711.03.011.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| | | CSRN L 3225 P 15 - IK 7 | 711.04.012.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| | | CSRN R 3225 P 15 - IK 7 | 711.03.012.25 | 70.91.11.718.6 | 70.91.22.012.0 |
|  | SN . X 15 07 .. | CSRN L 2525 M 15 - IX 7 | 711.04.011.05 | 70.91.11.316.0 | 70.91.22.012.0 |
| | | CSRN R 2525 M 15 - IX 7 | 711.03.011.05 | 70.91.11.316.0 | 70.91.22.012.0 |
| | | CSRN L 3225 P 15 - IX 7 | 711.04.012.05 | 70.91.11.316.0 | 70.91.22.012.0 |
| | | CSRN R 3225 P 15 - IX 7 | 711.03.012.05 | 70.91.11.316.0 | 70.91.22.012.0 |

IKS-Drehwerkzeuge

IKS Tools for turning
Porte-outils IKS pour le tournage









| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|--|--|--|
| SN . N 12 04 .. | CSSN L 2525 M 12 - IC 4 | 711.04.001.04 | | | |
| | CSSN R 2525 M 12 - IC 4 | 711.03.001.04 | | | |
| | CSSN L 3225 P 12 - IC 4 | 711.04.002.04 | | | |
| | CSSN R 3225 P 12 - IC 4 | 711.03.002.04 | | | |
| | CSSN L 2525 M 12 - ID 4 | 711.04.001.02 | | | |
| | CSSN R 2525 M 12 - ID 4 | 711.03.001.02 | | | |
| | CSSN L 3225 P 12 - ID 4 | 711.04.002.02 | | | |
| | CSSN R 3225 P 12 - ID 4 | 711.03.002.02 | | | |
| | CSSN L 2525 M 12 - IC 7 | 711.04.001.03 | | | |
| | CSSN R 2525 M 12 - IC 7 | 711.03.001.03 | | | |
| | CSSN L 3225 P 12 - IC 7 | 711.04.002.03 | | | |
| | CSSN R 3225 P 12 - IC 7 | 711.03.002.03 | | | |
| | CSSN L 2525 M 12 - ID 7 | 711.04.001.01 | | | |
| | CSSN R 2525 M 12 - ID 7 | 711.03.001.01 | | | |
| CSSN L 3225 P 12 - ID 7 | 711.04.002.01 | | | | |
| CSSN R 3225 P 12 - ID 7 | 711.03.002.01 | | | | |
| IKS - PRO SN . X 12 04 .. | CSSN L 2525 M 12 - IK 4 | 711.04.001.29 | | | |
| | CSSN R 2525 M 12 - IK 4 | 711.03.001.29 | | | |
| | CSSN L 3225 P 12 - IK 4 | 711.04.002.29 | | | |
| | CSSN R 3225 P 12 - IK 4 | 711.03.002.29 | | | |
| | CSSN L 2525 M 12 - IK 7 | 711.04.001.25 | | | |
| | CSSN R 2525 M 12 - IK 7 | 711.03.001.25 | | | |
| | CSSN L 3225 P 12 - IK 7 | 711.04.002.25 | | | |
| | CSSN R 3225 P 12 - IK 7 | 711.03.002.25 | | | |
| SN . X 12 07 .. | CSSN L 2525 M 12 - IX 7 | 711.04.001.05 | | | |
| | CSSN R 2525 M 12 - IX 7 | 711.03.001.05 | | | |
| | CSSN L 3225 P 12 - IX 7 | 711.04.002.05 | | | |
| | CSSN R 3225 P 12 - IX 7 | 711.03.002.05 | | | |
| SN . A 12 04 .. | PSSN L 2525 M 12 - IP 4 | 711.04.001.08 | | | |
| | PSSN R 2525 M 12 - IP 4 | 711.03.001.08 | | | |
| | PSSN L 3225 P 12 - IP 4 | 711.04.002.08 | | | |
| | PSSN R 3225 P 12 - IP 4 | 711.03.002.08 | | | |

CSSN □ 2525 CSSN □ 3225
 PSSN □ 2525 PSSN □ 3225

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|-------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a | D _{min} |
| SN .. 12 | 2525 | 25 | 25 | 150 | 35 | 32 | 40 | 8,32 | 350 |
| | 3225 | 32 | 25 | 170 | 35 | 32 | 47 | 8,32 | 400 |
| SN .. 15 | 2525 | 25 | 25 | 150 | 37 | 32 | 40 | 10,23 | 350 |
| | 3225 | 32 | 25 | 170 | 37 | 32 | 47 | 10,23 | 400 |

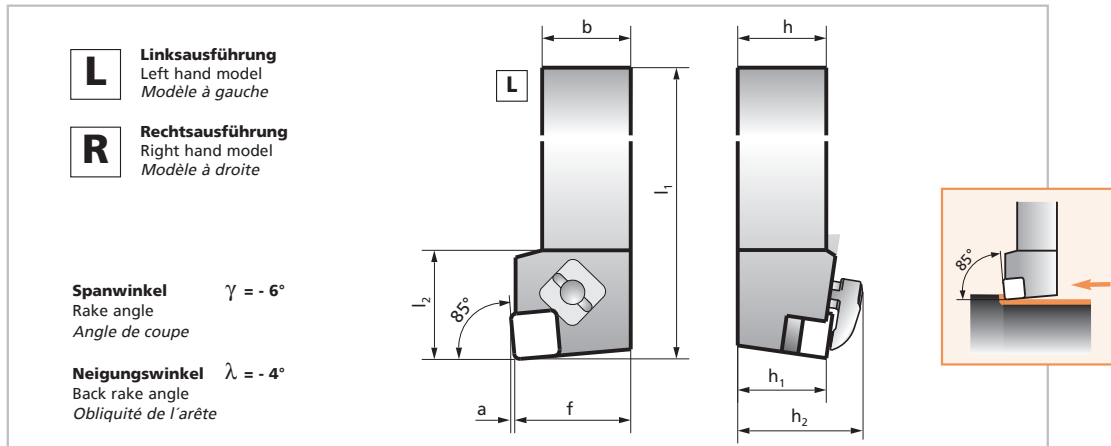
Schnittdatenempfehlungen • Cutting data recommendations • Recommandations de conditions de coupe







Keramik • Ceramic • Céramique ☎ 16 - 21 Cermet • Cermet • Cermet ☎ 59 - 67 WURBON® • WURBON® • WURBON® ☎ 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | |
|--|-------------------------|---|---|---|
| | | |  |  |
| SN . N 15 04 ..  | CSSN L 2525 M 15 - IC 4 | 711.04.007.04 | 70.91.15.008.0 | 70.91.22.013.0 |
| | CSSN R 2525 M 15 - IC 4 | 711.03.007.04 | 70.91.15.007.0 | 70.91.22.013.0 |
| | CSSN L 3225 P 15 - IC 4 | 711.04.008.04 | 70.91.15.008.0 | 70.91.22.013.0 |
| | CSSN R 3225 P 15 - IC 4 | 711.03.008.04 | 70.91.15.007.0 | 70.91.22.013.0 |
| | CSSN L 2525 M 15 - ID 4 | 711.04.007.02 | 70.91.15.005.0 | 70.91.22.013.0 |
| | CSSN R 2525 M 15 - ID 4 | 711.03.007.02 | 70.91.15.005.0 | 70.91.22.013.0 |
| | CSSN L 3225 P 15 - ID 4 | 711.04.008.02 | 70.91.15.005.0 | 70.91.22.013.0 |
| | CSSN R 3225 P 15 - ID 4 | 711.03.008.02 | 70.91.15.005.0 | 70.91.22.013.0 |
| SN . N 15 07 ..  | CSSN L 2525 M 15 - IC 7 | 711.04.007.03 | 70.91.15.008.0 | 70.91.22.012.0 |
| | CSSN R 2525 M 15 - IC 7 | 711.03.007.03 | 70.91.15.007.0 | 70.91.22.012.0 |
| | CSSN L 3225 P 15 - IC 7 | 711.04.008.03 | 70.91.15.008.0 | 70.91.22.012.0 |
| | CSSN R 3225 P 15 - IC 7 | 711.03.008.03 | 70.91.15.007.0 | 70.91.22.012.0 |
| | CSSN L 2525 M 15 - ID 7 | 711.04.007.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| | CSSN R 2525 M 15 - ID 7 | 711.03.007.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| | CSSN L 3225 P 15 - ID 7 | 711.04.008.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| | CSSN R 3225 P 15 - ID 7 | 711.03.008.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| IKS - PRO SN . X 15 07 ..  | CSSN L 2525 M 15 - IK 7 | 711.04.007.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| | CSSN R 2525 M 15 - IK 7 | 711.03.007.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| | CSSN L 3225 P 15 - IK 7 | 711.04.008.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| | CSSN R 3225 P 15 - IK 7 | 711.03.008.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| SN . X 15 07 ..  | CSSN L 2525 M 15 - IX 7 | 711.04.007.05 | 70.91.11.316.0 | 70.91.22.012.0 |
| | CSSN R 2525 M 15 - IX 7 | 711.03.007.05 | 70.91.11.316.0 | 70.91.22.012.0 |
| | CSSN L 3225 P 15 - IX 7 | 711.04.008.05 | 70.91.11.316.0 | 70.91.22.012.0 |
| | CSSN R 3225 P 15 - IX 7 | 711.03.008.05 | 70.91.11.316.0 | 70.91.22.012.0 |

IKS-Drehwerkzeuge

IKS Tools for turning
Porte-outils IKS pour le tournage



| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | | |
|--|--|---|--|----------------|----------------|--|
| SN . N 12 04 ..  | CSXN L 2525 M 12 - IC 4 | 711.04.014.04 | 70.91.15.004.0 | 70.91.22.011.0 | | |
| | CSXN R 2525 M 12 - IC 4 | 711.03.014.04 | 70.91.15.003.0 | 70.91.22.011.0 | | |
| | CSXN L 3225 P 12 - IC 4 | 711.04.015.04 | 70.91.15.004.0 | 70.91.22.011.0 | | |
| | CSXN R 3225 P 12 - IC 4 | 711.03.015.04 | 70.91.15.003.0 | 70.91.22.011.0 | | |
| | CSXN L 2525 M 12 - ID 4 | 711.04.014.02 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | CSXN R 2525 M 12 - ID 4 | 711.03.014.02 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | CSXN L 3225 P 12 - ID 4 | 711.04.015.02 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | CSXN R 3225 P 12 - ID 4 | 711.03.015.02 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | SN . N 12 07 ..  | CSXN L 2525 M 12 - IC 7 | 711.04.014.03 | 70.91.15.004.0 | 70.91.22.010.0 | |
| | | CSXN R 2525 M 12 - IC 7 | 711.03.014.03 | 70.91.15.003.0 | 70.91.22.010.0 | |
| | | CSXN L 3225 P 12 - IC 7 | 711.04.015.03 | 70.91.15.004.0 | 70.91.22.010.0 | |
| | | CSXN R 3225 P 12 - IC 7 | 711.03.015.03 | 70.91.15.003.0 | 70.91.22.010.0 | |
| | | CSXN L 2525 M 12 - ID 7 | 711.04.014.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| | | CSXN R 2525 M 12 - ID 7 | 711.03.014.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| CSXN L 3225 P 12 - ID 7 | | 711.04.015.01 | 70.91.15.005.0 | 70.91.22.010.0 | | |
| CSXN R 3225 P 12 - ID 7 | | 711.03.015.01 | 70.91.15.005.0 | 70.91.22.010.0 | | |
| IKS - PRO SN . X 12 04 ..  | CSXN L 2525 M 12 - IK 4 | 711.04.014.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | CSXN R 2525 M 12 - IK 4 | 711.03.014.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | CSXN L 3225 P 12 - IK 4 | 711.04.015.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | CSXN R 3225 P 12 - IK 4 | 711.03.015.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | SN . X 12 07 ..  | CSXN L 2525 M 12 - IK 7 | 711.04.014.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | | CSXN R 2525 M 12 - IK 7 | 711.03.014.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | | CSXN L 3225 P 12 - IK 7 | 711.04.015.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | | CSXN R 3225 P 12 - IK 7 | 711.03.015.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| SN . X 12 07 ..  | CSXN L 2525 M 12 - IX 7 | 711.04.014.05 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| | CSXN R 2525 M 12 - IX 7 | 711.03.014.05 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| | CSXN L 3225 P 12 - IX 7 | 711.04.015.05 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| | CSXN R 3225 P 12 - IX 7 | 711.03.015.05 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| SN . A 12 04 ..  | PSXN L 2525 M 12 - IP 4 | 711.04.014.08 | 70.91.15.005.0 | | 70.91.26.007.6 | |
| | PSXN R 2525 M 12 - IP 4 | 711.03.014.08 | 70.91.15.005.0 | | 70.91.26.007.6 | |
| | PSXN L 3225 P 12 - IP 4 | 711.04.015.08 | 70.91.15.005.0 | | 70.91.26.007.6 | |
| | PSXN R 3225 P 12 - IP 4 | 711.03.015.08 | 70.91.15.005.0 | | 70.91.26.007.6 | |







CSXN □ 2525 CSXN □ 3225
 PSXN □ 2525 PSXN □ 3225



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a | D _{min} |
| SN .. 12 | 2525 | 25 | 25 | 150 | 30 | 32 | 40 | 1,03 | 300 |
| | 3225 | 32 | 25 | 170 | 33 | 32 | 47 | 1,03 | 350 |
| SN .. 15 | 2525 | 25 | 25 | 150 | 30 | 32 | 40 | 1,38 | 300 |
| | 3225 | 32 | 25 | 170 | 33 | 32 | 47 | 1,38 | 350 |

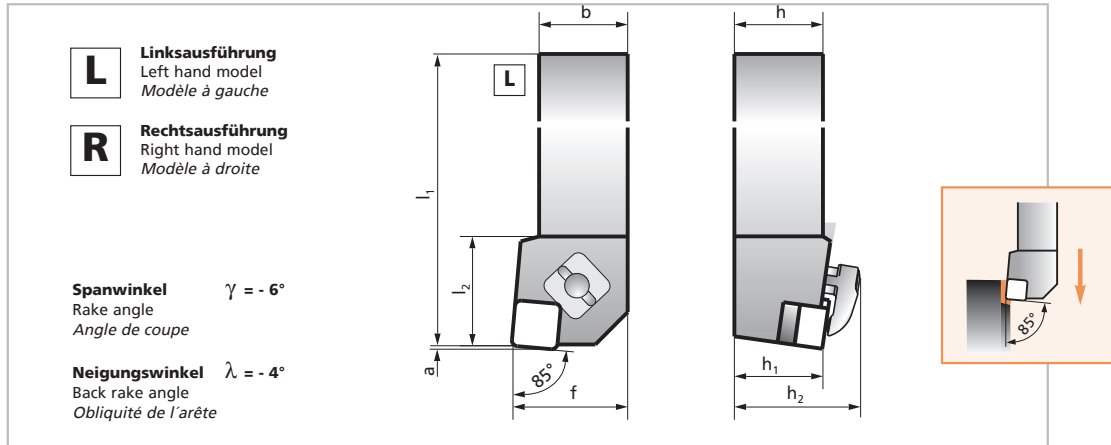
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique 📄 16 - 21 Cermet • Cermet • Cermet 📄 59 - 67 WURBON® • WURBON® • WURBON® 📄 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | |
|--|-------------------------|---|---|---|
| | | |  |  |
| SN . N 15 04 ..  | CSXN L 2525 M 15 - IC 4 | 711.04.019.04 | 70.91.15.008.0 | 70.91.22.013.0 |
| | CSXN R 2525 M 15 - IC 4 | 711.03.019.04 | 70.91.15.007.0 | 70.91.22.013.0 |
| | CSXN L 3225 P 15 - IC 4 | 711.04.020.04 | 70.91.15.008.0 | 70.91.22.013.0 |
| | CSXN R 3225 P 15 - IC 4 | 711.03.020.04 | 70.91.15.007.0 | 70.91.22.013.0 |
| | CSXN L 2525 M 15 - ID 4 | 711.04.019.02 | 70.91.15.005.0 | 70.91.22.013.0 |
| | CSXN R 2525 M 15 - ID 4 | 711.03.019.02 | 70.91.15.005.0 | 70.91.22.013.0 |
| | CSXN L 3225 P 15 - ID 4 | 711.04.020.02 | 70.91.15.005.0 | 70.91.22.013.0 |
| | CSXN R 3225 P 15 - ID 4 | 711.03.020.02 | 70.91.15.005.0 | 70.91.22.013.0 |
| SN . N 15 07 ..  | CSXN L 2525 M 15 - IC 7 | 711.04.019.03 | 70.91.15.008.0 | 70.91.22.012.0 |
| | CSXN R 2525 M 15 - IC 7 | 711.03.019.03 | 70.91.15.007.0 | 70.91.22.012.0 |
| | CSXN L 3225 P 15 - IC 7 | 711.04.020.03 | 70.91.15.008.0 | 70.91.22.012.0 |
| | CSXN R 3225 P 15 - IC 7 | 711.03.020.03 | 70.91.15.007.0 | 70.91.22.012.0 |
| | CSXN L 2525 M 15 - ID 7 | 711.04.019.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| | CSXN R 2525 M 15 - ID 7 | 711.03.019.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| | CSXN L 3225 P 15 - ID 7 | 711.04.020.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| | CSXN R 3225 P 15 - ID 7 | 711.03.020.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| IKS - PRO SN . X 15 07 ..  | CSXN L 2525 M 15 - IK 7 | 711.04.019.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| | CSXN R 2525 M 15 - IK 7 | 711.03.019.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| | CSXN L 3225 P 15 - IK 7 | 711.04.020.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| | CSXN R 3225 P 15 - IK 7 | 711.03.020.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| SN . X 15 07 ..  | CSXN L 2525 M 15 - IX 7 | 711.04.019.05 | 70.91.11.316.0 | 70.91.22.012.0 |
| | CSXN R 2525 M 15 - IX 7 | 711.03.019.05 | 70.91.11.316.0 | 70.91.22.012.0 |
| | CSXN L 3225 P 15 - IX 7 | 711.04.020.05 | 70.91.11.316.0 | 70.91.22.012.0 |
| | CSXN R 3225 P 15 - IX 7 | 711.03.020.05 | 70.91.11.316.0 | 70.91.22.012.0 |

IKS-Drehwerkzeuge

IKS Tools for turning
Porte-outils IKS pour le tournage












| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|--|----------------|----------------|
| SN . N 12 04 .. | CSYN L 2525 M 12 - IC 4 | 711.04.016.04 | 70.91.15.003.0 | 70.91.22.011.0 | |
| | CSYN R 2525 M 12 - IC 4 | 711.03.016.04 | 70.91.15.004.0 | 70.91.22.011.0 | |
| | CSYN L 3225 P 12 - IC 4 | 711.04.017.04 | 70.91.15.003.0 | 70.91.22.011.0 | |
| | CSYN R 3225 P 12 - IC 4 | 711.03.017.04 | 70.91.15.004.0 | 70.91.22.011.0 | |
| | CSYN L 2525 M 12 - ID 4 | 711.04.016.02 | 70.91.15.005.0 | 70.91.22.011.0 | |
| | CSYN R 2525 M 12 - ID 4 | 711.03.016.02 | 70.91.15.005.0 | 70.91.22.011.0 | |
| | CSYN L 3225 P 12 - ID 4 | 711.04.017.02 | 70.91.15.005.0 | 70.91.22.011.0 | |
| SN . N 12 07 .. | CSYN L 2525 M 12 - IC 7 | 711.04.016.03 | 70.91.15.003.0 | 70.91.22.010.0 | |
| | CSYN R 2525 M 12 - IC 7 | 711.03.016.03 | 70.91.15.004.0 | 70.91.22.010.0 | |
| | CSYN L 3225 P 12 - IC 7 | 711.04.017.03 | 70.91.15.003.0 | 70.91.22.010.0 | |
| | CSYN R 3225 P 12 - IC 7 | 711.03.017.03 | 70.91.15.004.0 | 70.91.22.010.0 | |
| | CSYN L 2525 M 12 - ID 7 | 711.04.016.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| | CSYN R 2525 M 12 - ID 7 | 711.03.016.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| | CSYN L 3225 P 12 - ID 7 | 711.04.017.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| IKS - PRO SN . X 12 04 .. | CSYN L 2525 M 12 - IK 4 | 711.04.016.29 | 70.91.11.718.6 | 70.91.22.011.0 | |
| | CSYN R 2525 M 12 - IK 4 | 711.03.016.29 | 70.91.11.718.6 | 70.91.22.011.0 | |
| | CSYN L 3225 P 12 - IK 4 | 711.04.017.29 | 70.91.11.718.6 | 70.91.22.011.0 | |
| | CSYN R 3225 P 12 - IK 4 | 711.03.017.29 | 70.91.11.718.6 | 70.91.22.011.0 | |
| SN . X 12 07 .. | CSYN L 2525 M 12 - IK 7 | 711.04.016.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | CSYN R 2525 M 12 - IK 7 | 711.03.016.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | CSYN L 3225 P 12 - IK 7 | 711.04.017.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | CSYN R 3225 P 12 - IK 7 | 711.03.017.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| SN . X 12 07 .. | CSYN L 2525 M 12 - IX 7 | 711.04.016.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| | CSYN R 2525 M 12 - IX 7 | 711.03.016.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| | CSYN L 3225 P 12 - IX 7 | 711.04.017.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| | CSYN R 3225 P 12 - IX 7 | 711.03.017.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| SN . A 12 04 .. | PSYN L 2525 M 12 - IP 4 | 711.04.016.08 | 70.91.15.005.0 | | 70.91.26.007.6 |
| | PSYN R 2525 M 12 - IP 4 | 711.03.016.08 | 70.91.15.005.0 | | 70.91.26.007.6 |
| | PSYN L 3225 P 12 - IP 4 | 711.04.017.08 | 70.91.15.005.0 | | 70.91.26.007.6 |
| | PSYN R 3225 P 12 - IP 4 | 711.03.017.08 | 70.91.15.005.0 | | 70.91.26.007.6 |

CSYN □ 2525 CSYN □ 3225
 PSYN □ 2525 PSYN □ 3225

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a | D _{min} |
| SN .. 12 | 2525 | 25 | 25 | 150 | 27 | 32 | 40 | 1,03 | 400 |
| | 3225 | 32 | 25 | 170 | 27 | 32 | 47 | 1,03 | 450 |
| SN .. 15 | 2525 | 25 | 25 | 150 | 27 | 32 | 40 | 1,38 | 400 |
| | 3225 | 32 | 25 | 170 | 27 | 32 | 47 | 1,38 | 450 |

Schnittdatenempfehlungen • Cutting data recommendations • Recommandations de conditions de coupe

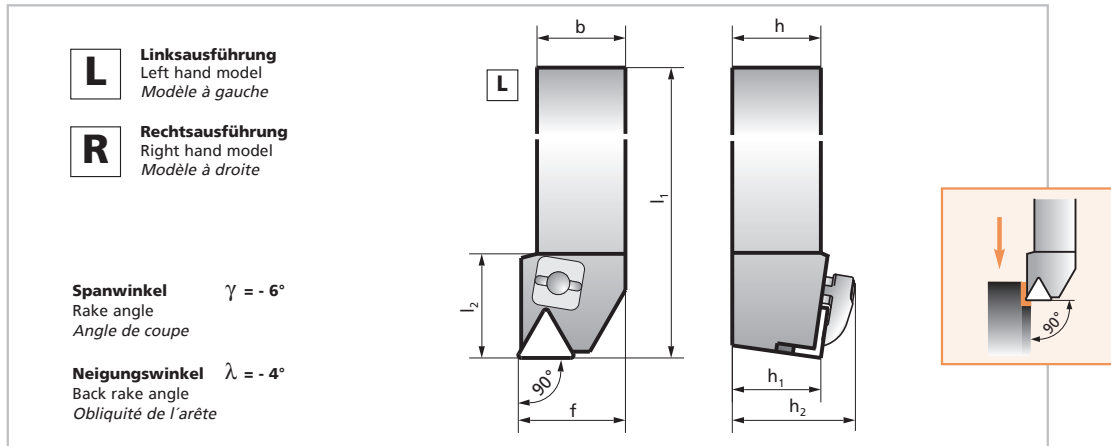
Keramik • Ceramic • Céramique  16 - 21 Cermet • Cermet • Cermet  59 - 67 WURBON® • WURBON® • WURBON®  85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|---|-----------------|---|---|---|---|
| | | |  |  |  |
|  | SN . N 15 04 .. | CSYN L 2525 M 15 - IC 4 | 711.04.021.04 | 70.91.15.007.0 | 70.91.22.013.0 |
| | | CSYN R 2525 M 15 - IC 4 | 711.03.021.04 | 70.91.15.008.0 | 70.91.22.013.0 |
| | | CSYN L 3225 P 15 - IC 4 | 711.04.018.04 | 70.91.15.007.0 | 70.91.22.013.0 |
| | | CSYN R 3225 P 15 - IC 4 | 711.03.018.04 | 70.91.15.008.0 | 70.91.22.013.0 |
| | | CSYN L 2525 M 15 - ID 4 | 711.04.021.02 | 70.91.15.005.0 | 70.91.22.013.0 |
| | | CSYN R 2525 M 15 - ID 4 | 711.03.021.02 | 70.91.15.005.0 | 70.91.22.013.0 |
| | | CSYN L 3225 P 15 - ID 4 | 711.04.018.02 | 70.91.15.005.0 | 70.91.22.013.0 |
| | | CSYN R 3225 P 15 - ID 4 | 711.03.018.02 | 70.91.15.005.0 | 70.91.22.013.0 |
|  | SN . N 15 07 .. | CSYN L 2525 M 15 - IC 7 | 711.04.021.03 | 70.91.15.007.0 | 70.91.22.012.0 |
| | | CSYN R 2525 M 15 - IC 7 | 711.03.021.03 | 70.91.15.008.0 | 70.91.22.012.0 |
| | | CSYN L 3225 P 15 - IC 7 | 711.04.018.03 | 70.91.15.007.0 | 70.91.22.012.0 |
| | | CSYN R 3225 P 15 - IC 7 | 711.03.018.03 | 70.91.15.008.0 | 70.91.22.012.0 |
| | | CSYN L 2525 M 15 - ID 7 | 711.04.021.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| | | CSYN R 2525 M 15 - ID 7 | 711.03.021.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| | | CSYN L 3225 P 15 - ID 7 | 711.04.018.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| | | CSYN R 3225 P 15 - ID 7 | 711.03.018.01 | 70.91.15.005.0 | 70.91.22.012.0 |
| IKS - PRO | SN . X 15 07 .. | CSYN L 2525 M 15 - IK 7 | 711.04.021.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| | | CSYN R 2525 M 15 - IK 7 | 711.03.021.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| | | CSYN L 3225 P 15 - IK 7 | 711.04.018.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| | | CSYN R 3225 P 15 - IK 7 | 711.03.018.25 | 70.91.11.718.6 | 70.91.22.012.0 |
|  | SN . X 15 07 .. | CSYN L 2525 M 15 - IX 7 | 711.04.021.05 | 70.91.11.316.0 | 70.91.22.012.0 |
| | | CSYN R 2525 M 15 - IX 7 | 711.03.021.05 | 70.91.11.316.0 | 70.91.22.012.0 |
| | | CSYN L 3225 P 15 - IX 7 | 711.04.018.05 | 70.91.11.316.0 | 70.91.22.012.0 |
| | | CSYN R 3225 P 15 - IX 7 | 711.03.018.05 | 70.91.11.316.0 | 70.91.22.012.0 |

IKS-Drehwerkzeuge
 IKS Tools for turning
 Porte-outils IKS pour le tournage

CTFN □ 2525
 PTFN □ 2525







CTFN □ 3225
 PTFN □ 3225



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | D _{min} |
| TN .. 16 | 2525 | 25 | 25 | 150 | 29 | 32 | 40 | 400 |
| | 3225 | 32 | 25 | 170 | 29 | 32 | 47 | 450 |

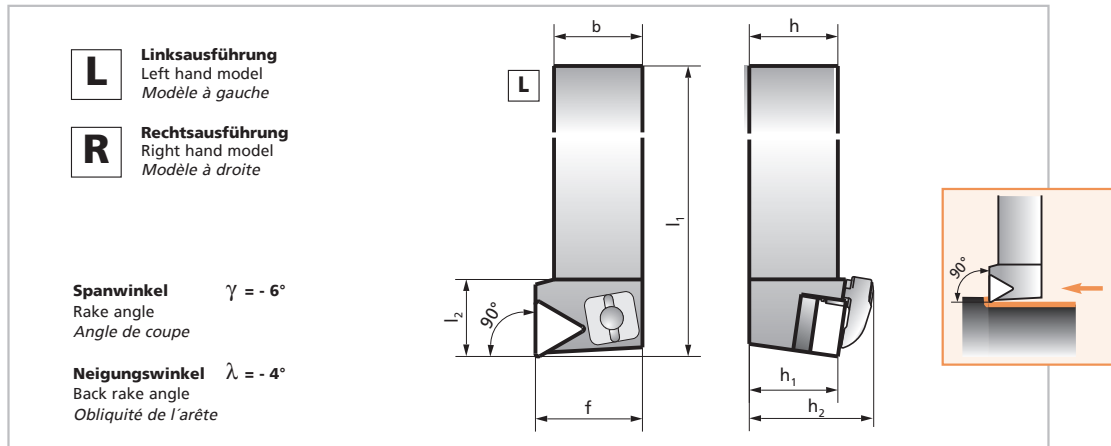
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique □ 16 - 21 **Cermet** • Cermet • Cermet □ 59 - 67 **WURBON®** • WURBON® • WURBON® □ 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|---|---|---|
| | | |  |  |  |
| TN . N 16 04 ..  | CTFN L 2525 M 16 - ID 4 | 711.14.004.02 | 70.91.15.001.0 | 70.91.22.028.0 | |
| | CTFN R 2525 M 16 - ID 4 | 711.13.004.02 | 70.91.15.001.0 | 70.91.22.028.0 | |
| | CTFN L 3225 P 16 - ID 4 | 711.14.005.02 | 70.91.15.001.0 | 70.91.22.028.0 | |
| | CTFN R 3225 P 16 - ID 4 | 711.13.005.02 | 70.91.15.001.0 | 70.91.22.028.0 | |
| TN . N 16 07 ..  | CTFN L 2525 M 16 - ID 7 | 711.14.004.01 | 70.91.15.001.0 | 70.91.22.026.0 | |
| | CTFN R 2525 M 16 - ID 7 | 711.13.004.01 | 70.91.15.001.0 | 70.91.22.026.0 | |
| | CTFN L 3225 P 16 - ID 7 | 711.14.005.01 | 70.91.15.001.0 | 70.91.22.026.0 | |
| | CTFN R 3225 P 16 - ID 7 | 711.13.005.01 | 70.91.15.001.0 | 70.91.22.026.0 | |
| TN . A 16 04 ..  | PTFN L 2525 M 16 - IP 4 | 711.14.004.08 | 70.91.15.001.0 | 70.91.26.037.6 | 70.91.26.037.6 |
| | PTFN R 2525 M 16 - IP 4 | 711.13.004.08 | 70.91.15.001.0 | 70.91.26.037.6 | |
| | PTFN L 3225 P 16 - IP 4 | 711.14.005.08 | 70.91.15.001.0 | 70.91.26.037.6 | |
| | PTFN R 3225 P 16 - IP 4 | 711.13.005.08 | 70.91.15.001.0 | 70.91.26.037.6 | |

CTGN □ 2525 CTGN □ 3225
PTGN □ 2525 PTGN □ 3225

IKS-Drehwerkzeuge
IKS Tools for turning
Porte-outils IKS pour le tournage

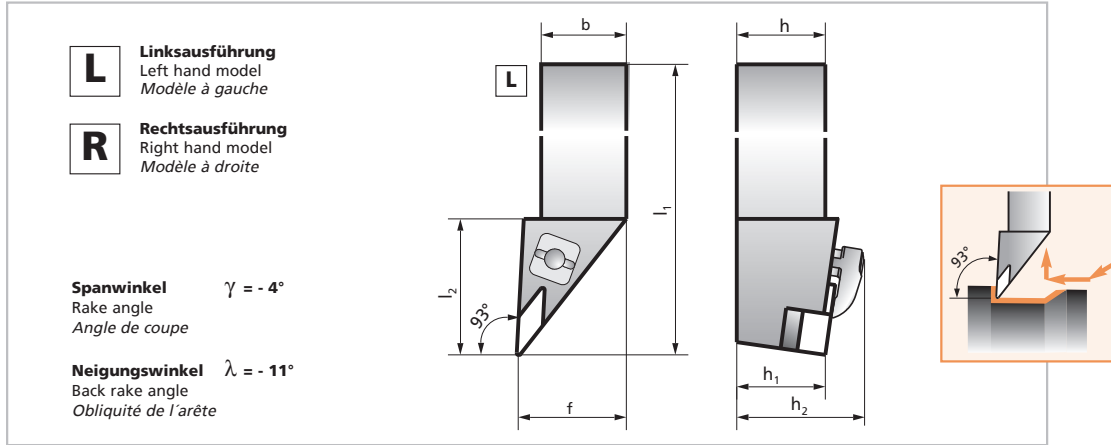


| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | D _{min} |
| TN .. 16 | 2525 | 25 | 25 | 150 | 20 | 32 | 40 | 300 |
| | 3225 | 32 | 25 | 170 | 20 | 32 | 47 | 350 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique 16 - 21 **Cermet** • Cermet • Cermet 59 - 67 **WURBON®** • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|----------------|
| | | | | | |
| TN . N 16 04 .. | CTGN L 2525 M 16 - ID 4 CTGN R 2525 M 16 - ID 4 CTGN L 3225 P 16 - ID 4 CTGN R 3225 P 16 - ID 4 | 711.14.001.02 | 70.91.15.001.0 | 70.91.22.028.0 | |
| | | 711.13.001.02 | 70.91.15.001.0 | 70.91.22.028.0 | |
| | | 711.14.002.02 | 70.91.15.001.0 | 70.91.22.028.0 | |
| | | 711.13.002.02 | 70.91.15.001.0 | 70.91.22.028.0 | |
| TN . N 16 07 .. | CTGN L 2525 M 16 - ID 7 CTGN R 2525 M 16 - ID 7 CTGN L 3225 P 16 - ID 7 CTGN R 3225 P 16 - ID 7 | 711.14.001.01 | 70.91.15.001.0 | 70.91.22.026.0 | |
| | | 711.13.001.01 | 70.91.15.001.0 | 70.91.22.026.0 | |
| | | 711.14.002.01 | 70.91.15.001.0 | 70.91.22.026.0 | |
| | | 711.13.002.01 | 70.91.15.001.0 | 70.91.22.026.0 | |
| TN . A 16 04 .. | PTGN L 2525 M 16 - IP 4 PTGN R 2525 M 16 - IP 4 PTGN L 3225 P 16 - IP 4 PTGN R 3225 P 16 - IP 4 | 711.14.001.08 | 70.91.15.001.0 | | 70.91.26.037.6 |
| | | 711.13.001.08 | 70.91.15.001.0 | | 70.91.26.037.6 |
| | | 711.14.002.08 | 70.91.15.001.0 | | 70.91.26.037.6 |
| | | 711.13.002.08 | 70.91.15.001.0 | | 70.91.26.037.6 |



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | D _{min} |
| VN .. 16 | 2525 | 25 | 25 | 150 | 41 | 32 | 43 | 350 |
| | 3225 | 32 | 25 | 170 | 41 | 32 | 50 | 400 |

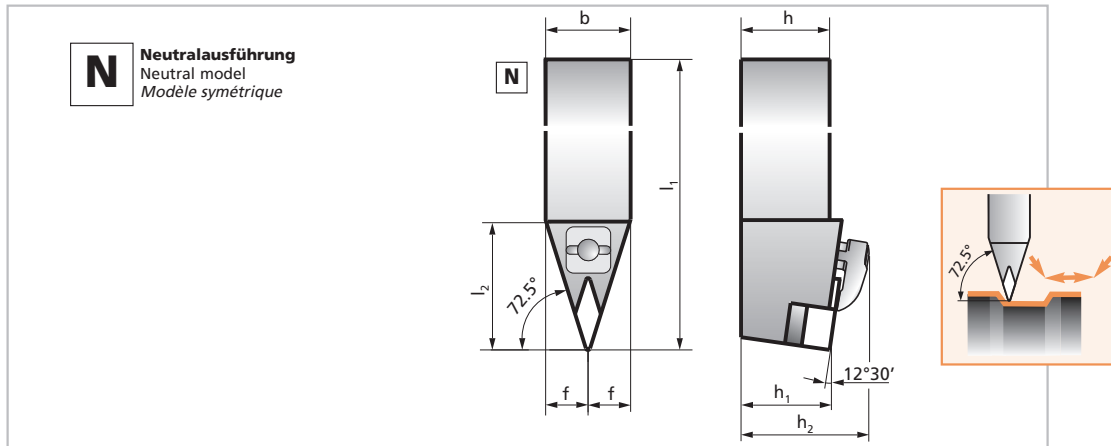
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique 16 - 21 **Cermet** • Cermet • Cermet 59 - 67 **WURBON®** • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|--|--------------------|--------------------|
| VN . N 16 07 .. | CVJN L 2525 M 16 - ID 7 | 711.24.032.01 | 70.91.15.021.0 | 70.91.22.030.0 | 70.91.26.098.6 |
| | CVJN R 2525 M 16 - ID 7 | 711.23.032.01 | | | |
| | CVJN L 3225 P 16 - ID 7 | 711.24.033.01 | | | |
| | CVJN R 3225 P 16 - ID 7 | 711.23.033.01 | | | |
| VN . X 16 07 .. | CVJN L 2525 M 16 - IX 7 | 711.24.032.05 | 70.91.11.428.0 | 70.91.22.030.0 | 70.91.26.098.6 |
| | CVJN R 2525 M 16 - IX 7 | 711.23.032.05 | | | |
| | CVJN L 3225 P 16 - IX 7 | 711.24.033.05 | | | |
| | CVJN R 3225 P 16 - IX 7 | 711.23.033.05 | | | |
| VN . A 16 04 .. | PVJN L 2525 M 16 - IP 4 | 711.24.032.08 | 70.91.15.021.0 | 70.91.22.030.0 | 70.91.26.098.6 |
| | PVJN R 2525 M 16 - IP 4 | 711.23.032.08 | | | |
| | PVJN L 3225 P 16 - IP 4 | 711.24.033.08 | | | |
| | PVJN R 3225 P 16 - IP 4 | 711.23.033.08 | | | |

CVVN □ 2525 CVVN □ 3225
 PVVN □ 2525 PVVN □ 3225

IKS-Drehwerkzeuge
 IKS Tools for turning
 Porte-outils IKS pour le tournage



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|------|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | D _{min} |
| VN .. 16 ... | 2525 | 25 | 25 | 150 | 45 | 12,5 | 44 | 350 |
| | 3225 | 32 | 25 | 170 | 45 | 12,5 | 51 | 400 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

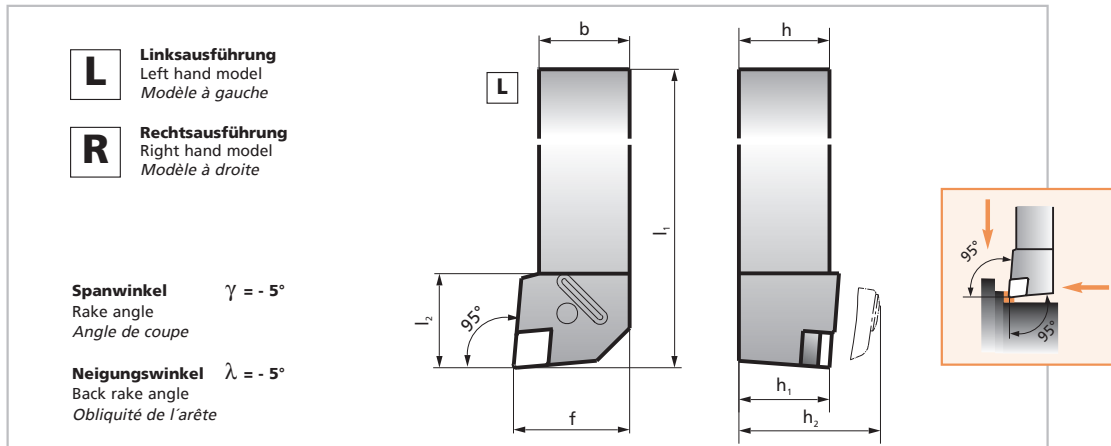
Keramik • Ceramic • Céramique 16 - 21 **Cermet** • Cermet • Cermet 59 - 67 **WURBON®** • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------------------------|----------------------------------|
| VN . N 16 07 .. | CVVN N 2525 M 16 - ID 7 CVVN N 3225 P 16 - ID 7 | 711.25.004.01 | | | |
| | | 711.25.005.01 | 70.91.15.021.0 70.91.15.021.0 | 70.91.22.030.0 70.91.22.030.0 | |
| VN . X 16 07 .. | CVVN N 2525 M 16 - IX 7 CVVN N 3225 P 16 - IX 7 | 711.25.004.05 | | | |
| | | 711.25.005.05 | 70.91.11.428.0 70.91.11.428.0 | 70.91.22.030.0 70.91.22.030.0 | |
| VN . A 16 04 .. | PVVN N 2525 M 16 - IP 4 PVVN N 3225 P 16 - IP 4 | 711.25.004.08 | | | |
| | | 711.25.005.08 | 70.91.15.021.0 70.91.15.021.0 | | 70.91.26.098.6 70.91.26.098.6 |

Drehwerkzeuge

Tools for turning
Porte-outils pour le tournage






CCLN □ 2525



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ |
| CN . N 09 | 2525 | 25 | 25 | 150 | 24 | 32 | 39 |

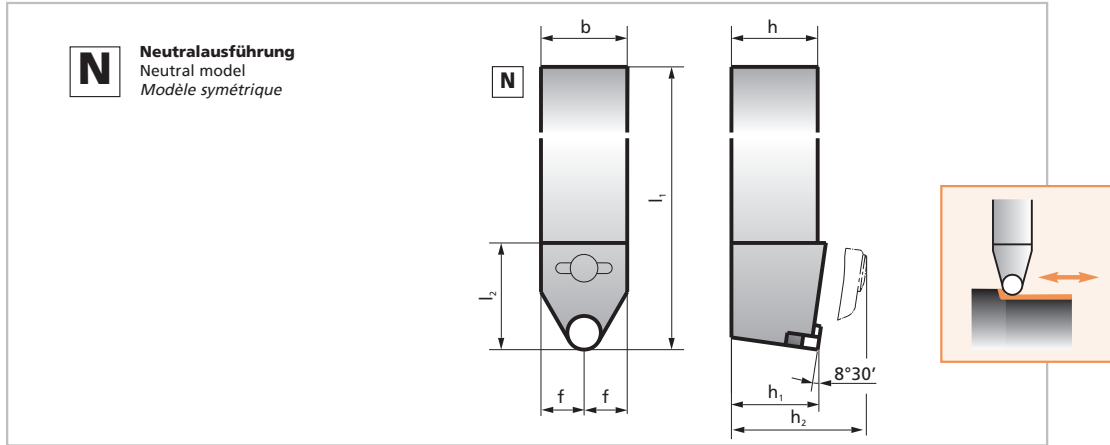
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique ☎ 16 - 21 **WURBON®** • WURBON® • WURBON® ☎ 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|---|---|---|
| | | |  |  |  |
| CN . N 09 03 ..  | CCLN L 2525 M 09 - 3 CCLN R 2525 M 09 - 3 | 710.24.391.02 710.23.391.02 | 70.91.11.493.0 70.91.11.493.0 | 70.91.00.160.0 70.91.00.160.0 | 70.91.22.166.0 70.91.22.166.0 |
| CN . N 09 04 ..  | CCLN L 2525 M 09 - 4 CCLN R 2525 M 09 - 4 | 710.24.391.03 710.23.391.03 | 70.91.11.493.0 70.91.11.493.0 | 70.91.00.160.0 70.91.00.160.0 | 70.91.22.161.0 70.91.22.161.0 |

CRDN □ 2525
CRDN □ 3225

Drehwerkzeuge
Tools for turning
Porte-outils pour le tournage








N Neutralausführung
Neutral model
Modèle symétrique

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|-----|-------|-------|------|-------|
| | | $h=h_1$ | b | l_1 | l_2 | f | h_2 |
| RN . N 09 | 2525 | 25 | 25 | 150 | 27 | 12,5 | 36 |
| | 3225 | 32 | 25 | 170 | 27 | 12,5 | 43 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

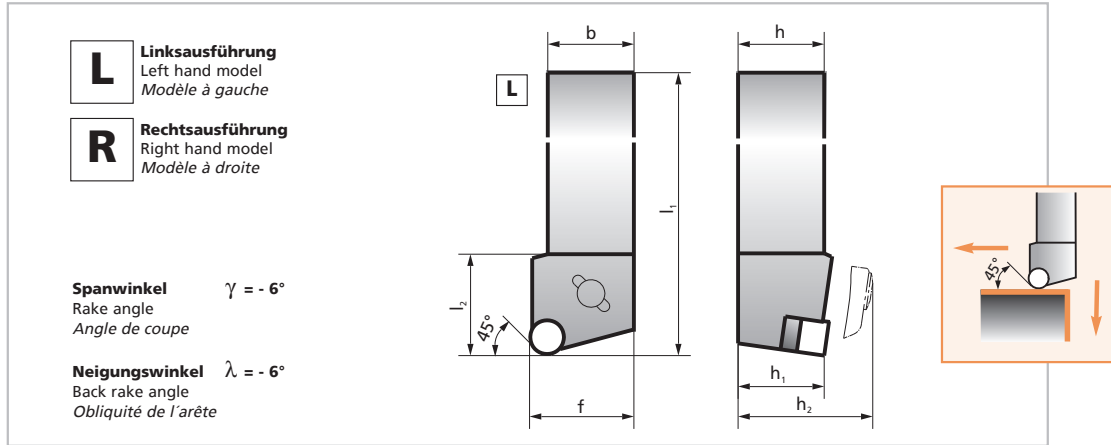
Keramik • Ceramic • Céramique ☞ 16 - 21 WURBON® • WURBON® • WURBON® ☞ 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|---|---|---|
| | | |  |  |  |
| RN . N 09 03 00  | CRDN N 2525 M 09 - 3 CRDN N 3225 P 09 - 3 | 710.46.303.02 | 70.91.11.091.0 | | 70.91.53.484.0 |
| | | 710.46.304.02 | 70.91.11.091.0 | | 70.91.53.484.0 |
| RN . N 09 04 00  | CRDN N 2525 M 09 - 4 CRDN N 3225 P 09 - 4 | 710.46.303.03 | 70.91.11.091.0 | | 70.91.53.420.0 |
| | | 710.46.304.03 | 70.91.11.091.0 | | 70.91.53.420.0 |

Drehwerkzeuge

Tools for turning
Porte-outils pour le tournage






CRSN □ 2525
CRSN □ 3225

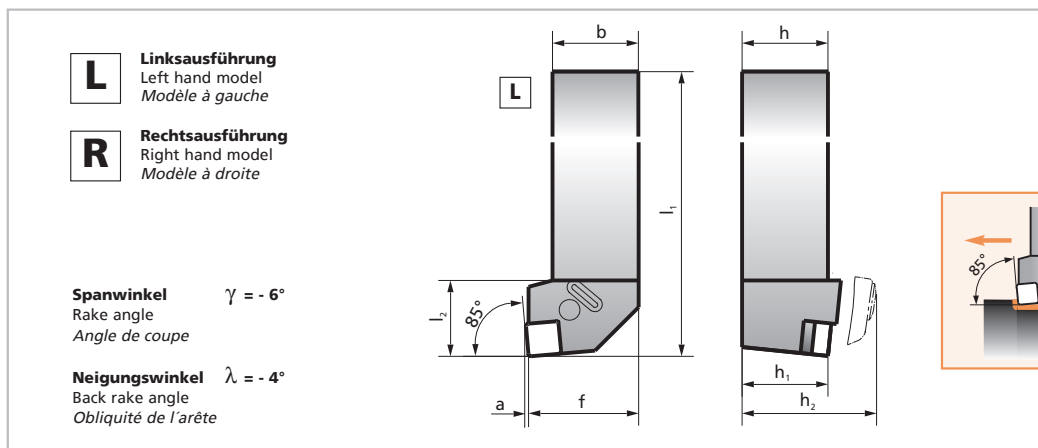


| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ |
| RN . N 09 | 2525 | 25 | 25 | 150 | 26 | 32 | 36 |
| | 3225 | 32 | 25 | 170 | 26 | 32 | 43 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique ☎ 16 - 21 **WURBON®** • WURBON® • WURBON® ☎ 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|----------------------|---|---|---|---|
| | | |  |  |  |
| RN . N 09 03 00  | CRSN L 2525 M 09 - 3 | 710.44.303.02 | 70.91.11.091.0 | | 70.91.53.484.0 |
| | CRSN R 2525 M 09 - 3 | 710.43.303.02 | 70.91.11.091.0 | | 70.91.53.484.0 |
| | CRSN L 3225 P 09 - 3 | 710.44.304.02 | 70.91.11.091.0 | | 70.91.53.484.0 |
| | CRSN R 3225 P 09 - 3 | 710.43.304.02 | 70.91.11.091.0 | | 70.91.53.484.0 |
| RN . N 09 04 00  | CRSN L 2525 M 09 - 4 | 710.44.303.03 | 70.91.11.091.0 | | 70.91.53.420.0 |
| | CRSN R 2525 M 09 - 4 | 710.43.303.03 | 70.91.11.091.0 | | 70.91.53.420.0 |
| | CRSN L 3225 P 09 - 4 | 710.44.304.03 | 70.91.11.091.0 | | 70.91.53.420.0 |
| | CRSN R 3225 P 09 - 4 | 710.43.304.03 | 70.91.11.091.0 | | 70.91.53.420.0 |



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a |
| SN . N 09 | 2525 | 25 | 25 | 150 | 24 | 32 | 38 | 0,76 |

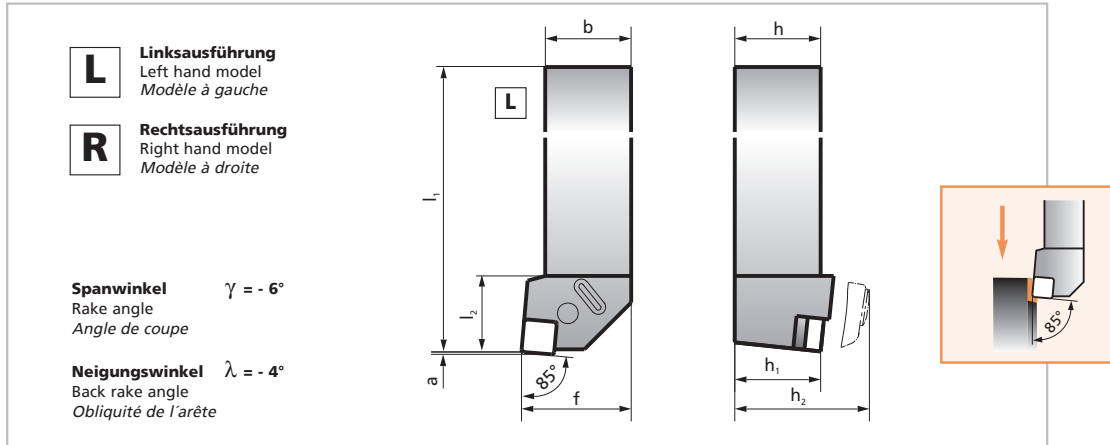
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • Céramique 16 - 21 **WURBON®** • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|--|--|
| SN . N 09 03 .. | CSXN L 2525 M 09 - 3 CSXN R 2525 M 09 - 3 | 710.04.363.02 710.03.363.02 | | | |
| SN . N 09 04 .. | CSXN L 2525 M 09 - 4 CSXN R 2525 M 09 - 4 | 710.04.363.03 710.03.363.03 | | | |

Drehwerkzeuge

Tools for turning
Porte-outils pour le tournage

CSYN □ 2525



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a |
| SN . N 09 ... | 2525 | 25 | 25 | 150 | 24 | 32 | 38 | 0,76 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique 16 - 21 **WURBON®** • WURBON® • WURBON® 85 - 89

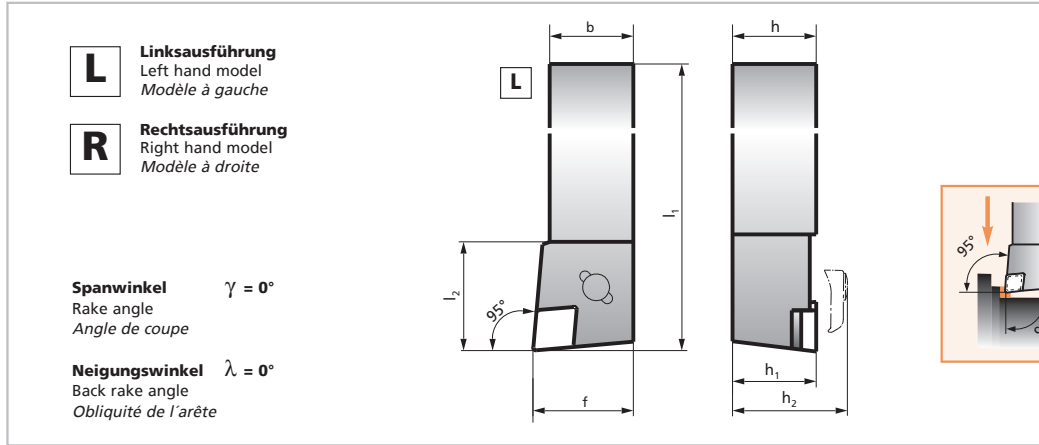
| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|----------------------|---|--|----------------|----------------|
| | | | | | |
| SN . N 09 03 .. | CSYN L 2525 M 09 - 3 | 710.04.365.02 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.014.0 |
| | CSYN R 2525 M 09 - 3 | 710.03.365.02 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.014.0 |
| SN . N 09 04 .. | CSYN L 2525 M 09 - 4 | 710.04.365.03 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.013.0 |
| | CSYN R 2525 M 09 - 4 | 710.03.365.03 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.013.0 |

Drehwerkzeuge positiv
Tools positiv for turning
Porte-outils positifs pour le tournage








IKS-Drehwerkzeuge positiv
 IKS Tools positive for turning
 Porte-outils IKS positifs pour le tournage

CCLC □ 2525
 CCLC □ 3225



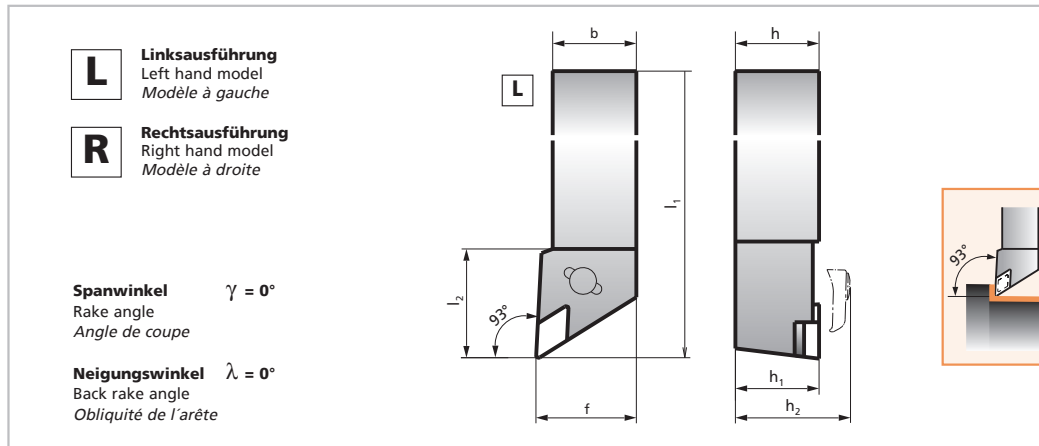
| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | D _{min} |
| CC . . 12 . . . | 2525 | 25 | 25 | 150 | 35 | 32 | 40 | 300 |
| | 3225 | 32 | 25 | 170 | 35 | 32 | 47 | 350 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
 Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--------------------------------|---|---|---|---|
| | | |  |  |  |
|  CC . N 12 04 .. | CCLC L 2525 M 12 - IC 4 | 711.28.002.04 | 70.91.15.002.0 | | 70.91.22.146.0 |
| | CCLC R 2525 M 12 - IC 4 | 711.27.002.04 | 70.91.15.002.0 | | 70.91.22.146.0 |
| | CCLC L 3225 P 12 - IC 4 | 711.28.004.04 | 70.91.15.002.0 | | 70.91.22.146.0 |
| | CCLC R 3225 P 12 - IC 4 | 711.27.004.04 | 70.91.15.002.0 | | 70.91.22.146.0 |
| | CCLC L 2525 M 12 - ID 4 | 711.28.002.02 | 70.91.15.005.0 | | 70.91.22.146.0 |
| | CCLC R 2525 M 12 - ID 4 | 711.27.002.02 | 70.91.15.005.0 | | 70.91.22.146.0 |
| | CCLC L 3225 P 12 - ID 4 | 711.28.004.02 | 70.91.15.005.0 | | 70.91.22.146.0 |
| | CCLC R 3225 P 12 - ID 4 | 711.27.004.02 | 70.91.15.005.0 | | 70.91.22.146.0 |
|  CC . X 12 06 .. | CCLC L 2525 M 12 - IX 6 | 711.28.002.05 | 70.91.11.316.0 | | 70.91.22.143.0 |
| | CCLC R 2525 M 12 - IX 6 | 711.27.002.05 | 70.91.11.316.0 | | 70.91.22.143.0 |
| | CCLC L 3225 P 12 - IX 6 | 711.28.004.05 | 70.91.11.316.0 | | 70.91.22.143.0 |
| | CCLC R 3225 P 12 - IX 6 | 711.27.004.05 | 70.91.11.316.0 | | 70.91.22.143.0 |






CDJC □ 2525
CDJC □ 3225

IKS-Drehwerkzeuge positiv
IKS Tools positive for turning
Porte-outils IKS positifs pour le tournage



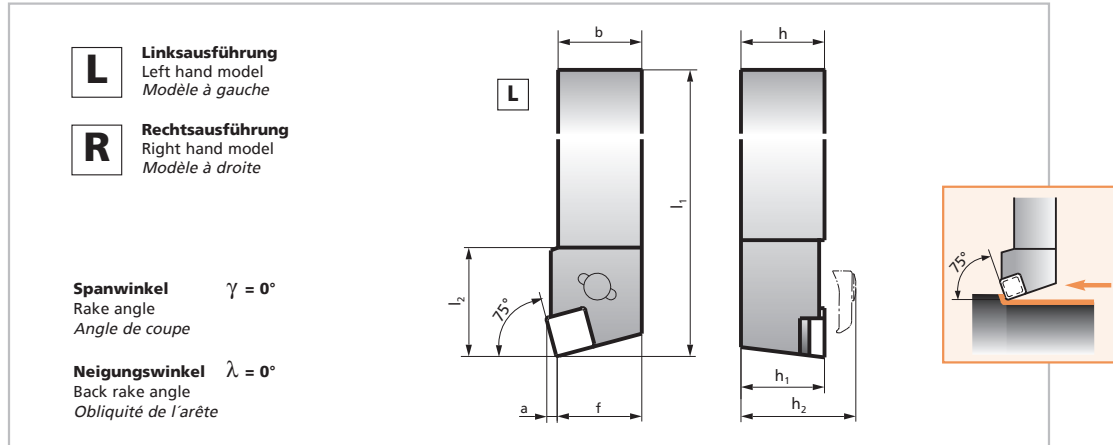
| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Schank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|---------------------------|--|----|----------------|----------------|----|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | D _{min} |
| DC . . 15 . . . | 2525 | 25 | 25 | 150 | 38 | 32 | 40 | 300 |
| | 3225 | 32 | 25 | 170 | 38 | 32 | 47 | 350 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|---|---|---|
| | | |  |  |  |
| DC . N 15 07 ..  | CDJC L 2525 M 15 - IC 7 | 711.28.006.03 | 70.91.15.011.0 | | 70.91.22.148.0 |
| | CDJC R 2525 M 15 - IC 7 | 711.27.006.03 | 70.91.15.010.0 | | 70.91.22.148.0 |
| | CDJC L 3225 P 15 - IC 7 | 711.28.007.03 | 70.91.15.011.0 | | 70.91.22.148.0 |
| | CDJC R 3225 P 15 - IC 7 | 711.27.007.03 | 70.91.15.010.0 | | 70.91.22.148.0 |
| | CDJC L 2525 M 15 - ID 7 | 711.28.006.01 | 70.91.15.005.0 | | 70.91.22.148.0 |
| | CDJC R 2525 M 15 - ID 7 | 711.27.006.01 | 70.91.15.005.0 | | 70.91.22.148.0 |
| | CDJC L 3225 P 15 - ID 7 | 711.28.007.01 | 70.91.15.005.0 | | 70.91.22.148.0 |
| | CDJC R 3225 P 15 - ID 7 | 711.27.007.01 | 70.91.15.005.0 | | 70.91.22.148.0 |
| DC . X 15 06 ..  | CDJC L 2525 M 15 - IX 6 | 711.28.006.05 | 70.91.11.332.0 | | 70.91.22.149.0 |
| | CDJC R 2525 M 15 - IX 6 | 711.27.006.05 | 70.91.11.332.0 | | 70.91.22.149.0 |
| | CDJC L 3225 P 15 - IX 6 | 711.28.007.05 | 70.91.11.332.0 | | 70.91.22.149.0 |
| | CDJC R 3225 P 15 - IX 6 | 711.27.007.05 | 70.91.11.332.0 | | 70.91.22.149.0 |






IKS-Drehwerkzeuge positiv
 IKS Tools positive for turning
 Porte-outils IKS positifs pour le tournage

CSRC □ 2525
 CSRC □ 3225



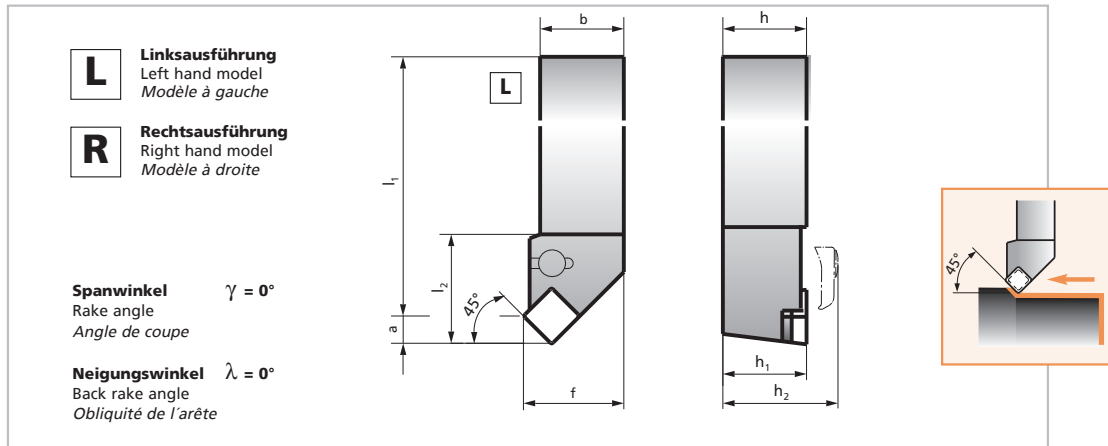
| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Schank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|---------------------------|--|----|----------------|----------------|----|----------------|------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a | D _{min} |
| SC . . 12 . . . | 2525 | 25 | 25 | 150 | 32 | 27 | 40 | 3,06 | 300 |
| | 3225 | 32 | 25 | 170 | 32 | 27 | 47 | 3,06 | 350 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
 Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|---|---|---|
| | | |  |  |  |
| SC . N 12 04 ..  | CSRC L 2525 M 12 - IC 4 | 711.08.007.04 | 70.91.15.004.0 | | 70.91.22.145.0 |
| | CSRC R 2525 M 12 - IC 4 | 711.07.007.04 | 70.91.15.003.0 | | 70.91.22.145.0 |
| | CSRC L 3225 P 12 - IC 4 | 711.08.009.04 | 70.91.15.004.0 | | 70.91.22.145.0 |
| | CSRC R 3225 P 12 - IC 4 | 711.07.009.04 | 70.91.15.003.0 | | 70.91.22.145.0 |
| | CSRC L 2525 M 12 - ID 4 | 711.08.007.02 | 70.91.15.005.0 | | 70.91.22.145.0 |
| | CSRC R 2525 M 12 - ID 4 | 711.07.007.02 | 70.91.15.005.0 | | 70.91.22.145.0 |
| | CSRC L 3225 P 12 - ID 4 | 711.08.009.02 | 70.91.15.005.0 | | 70.91.22.145.0 |
| | CSRC R 3225 P 12 - ID 4 | 711.07.009.02 | 70.91.15.005.0 | | 70.91.22.145.0 |
| SC . X 12 06 ..  | CSRC L 2525 M 12 - IX 6 | 711.08.007.05 | 70.91.11.316.0 | | 70.91.22.144.0 |
| | CSRC R 2525 M 12 - IX 6 | 711.07.007.05 | 70.91.11.316.0 | | 70.91.22.144.0 |
| | CSRC L 3225 P 12 - IX 6 | 711.08.009.05 | 70.91.11.316.0 | | 70.91.22.144.0 |
| | CSRC R 3225 P 12 - IX 6 | 711.07.009.05 | 70.91.11.316.0 | | 70.91.22.144.0 |






CSSC □ 2525
 CSSC □ 3225

IKS-Drehwerkzeuge positiv
 IKS Tools positive for turning
 Porte-outils IKS positifs pour le tournage



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Schank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|---------------------------|--|----|----------------|----------------|----|----------------|------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a | D _{min} |
| SC . . 12 . . . | 2525 | 25 | 25 | 150 | 35 | 32 | 40 | 8,32 | 300 |
| | 3225 | 32 | 25 | 170 | 35 | 32 | 47 | 8,32 | 350 |

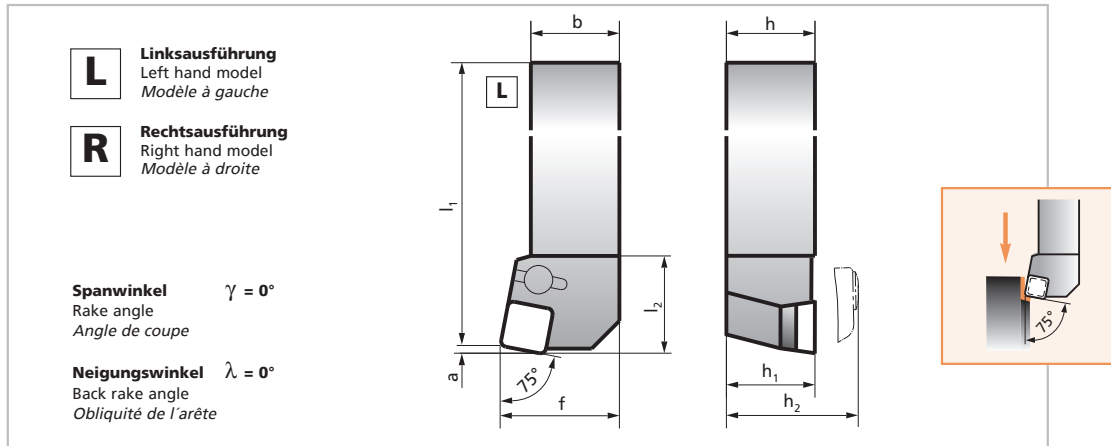
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
 Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|---|---|---|
| | | |  |  |  |
| SC . N 12 04 ..  | CSSC L 2525 M 12 - IC 4 CSSC R 2525 M 12 - IC 4 CSSC L 3225 P 12 - IC 4 CSSC R 3225 P 12 - IC 4 CSSC L 2525 M 12 - ID 4 CSSC R 2525 M 12 - ID 4 CSSC L 3225 P 12 - ID 4 CSSC R 3225 P 12 - ID 4 | 711.08.003.04 | 70.91.15.004.0 | | 70.91.22.145.0 |
| | | 711.07.003.04 | 70.91.15.003.0 | | 70.91.22.145.0 |
| | | 711.08.005.04 | 70.91.15.004.0 | | 70.91.22.145.0 |
| | | 711.07.005.04 | 70.91.15.003.0 | | 70.91.22.145.0 |
| | | 711.08.003.02 | 70.91.15.005.0 | | 70.91.22.145.0 |
| | | 711.07.003.02 | 70.91.15.005.0 | | 70.91.22.145.0 |
| | | 711.08.005.02 | 70.91.15.005.0 | | 70.91.22.145.0 |
| | | 711.07.005.02 | 70.91.15.005.0 | | 70.91.22.145.0 |
| SC . X 12 06 ..  | CSSC L 2525 M 12 - IX 6 CSSC R 2525 M 12 - IX 6 CSSC L 3225 P 12 - IX 6 CSSC R 3225 P 12 - IX 6 | 711.08.003.05 | 70.91.11.316.0 | | 70.91.22.144.0 |
| | | 711.07.003.05 | 70.91.11.316.0 | | 70.91.22.144.0 |
| | | 711.08.005.05 | 70.91.11.316.0 | | 70.91.22.144.0 |
| | | 711.07.005.05 | 70.91.11.316.0 | | 70.91.22.144.0 |

Drehwerkzeuge positiv





Tools positive for turning
Porte-outils positifs pour le tournage

CSKC □ 2525



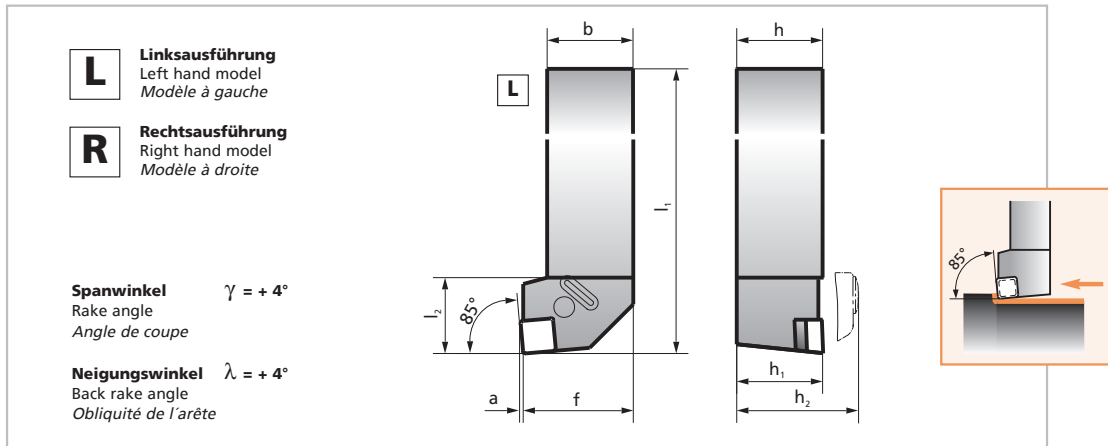
| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Schank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|---------------------------|--|----|----------------|----------------|----|----------------|------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a |
| SC . . 12 . . . | 2525 | 25 | 25 | 150 | 28 | 32 | 40 | 3,06 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--------------------------------------|---|---|---|---|
| SC . N 12 04 ..  | CSKC L 2525 M 12 CSKC R 2525 M 12 | 710.08.304.03 710.07.304.03 |  70.91.11.230.0 70.91.11.230.0 |  70.91.00.048.0 70.91.00.048.0 |  70.91.53.060.0 70.91.53.060.0 |

CSXC □ 2525
CSXC □ 3225

Drehwerkzeuge positiv
Tools positive for turning
Porte-outils positifs pour le tournage



| SPK-Schneidplatte SPK insert <i>Plaquette SPK</i> | Schaft Schank <i>Corps</i> | Abmessungen • Dimensions • <i>Dimensions</i> (mm) | | | | | | |
|---|----------------------------------|---|----|----------------|----------------|----|----------------|------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a |
| SC . . 09 | 2525 | 25 | 25 | 150 | 26 | 32 | 39 | 0,76 |
| | 3225 | 32 | 25 | 170 | 26 | 32 | 42 | 0,76 |

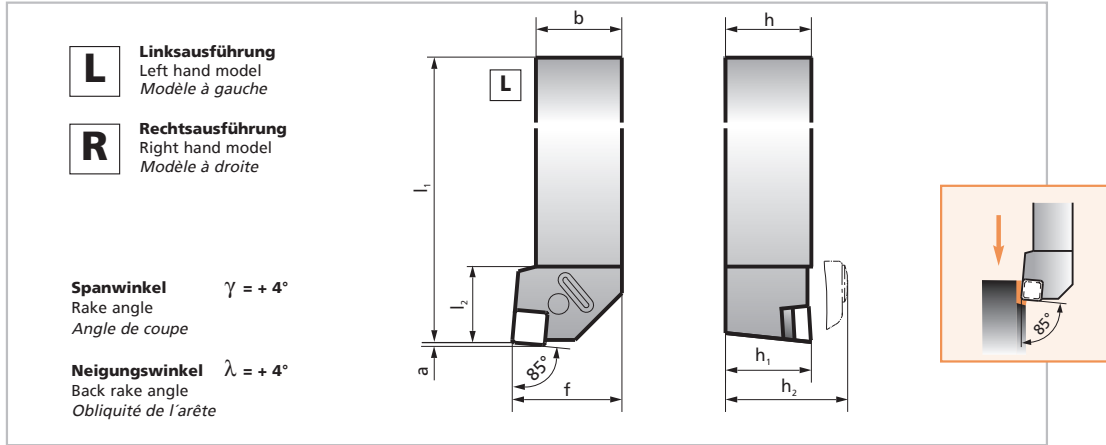
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • *Céramique* ☎ 16 - 21 **WURBON®** • WURBON® • WURBON® ☎ 85 - 89

| SPK-Schneidplatte SPK Insert <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | | |
|---|-----------------------------|--|---|----------------|----------------|
| | | | | | |
| SC . N 09 03 .. | CSXC L 2525 M 09 - 3 | 710.08.023.02 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.23.602.0 |
| | CSXC R 2525 M 09 - 3 | 710.07.023.02 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.23.602.0 |
| | CSXC L 3225 P 09 - 3 | 710.08.024.02 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.23.602.0 |
| | CSXC R 3225 P 09 - 3 | 710.07.024.02 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.23.602.0 |
| SC . N 09 04 .. | CSXC L 2525 M 09 - 4 | 710.08.023.03 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.011.0 |
| | CSXC R 2525 M 09 - 4 | 710.07.023.03 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.011.0 |
| | CSXC L 3225 P 09 - 4 | 710.08.024.03 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.011.0 |
| | CSXC R 3225 P 09 - 4 | 710.07.024.03 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.011.0 |

Drehwerkzeuge positiv

Tools positive for turning
Porte-outils positifs pour le tournage

CSYC □ 2525
CSYC □ 3225



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Schank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|---------------------------|--|----|----------------|----------------|----|----------------|------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a |
| SC . . 09 . . . | 2525 | 25 | 25 | 150 | 26 | 32 | 39 | 0,76 |
| | 3225 | 32 | 25 | 170 | 26 | 32 | 44 | 0,76 |

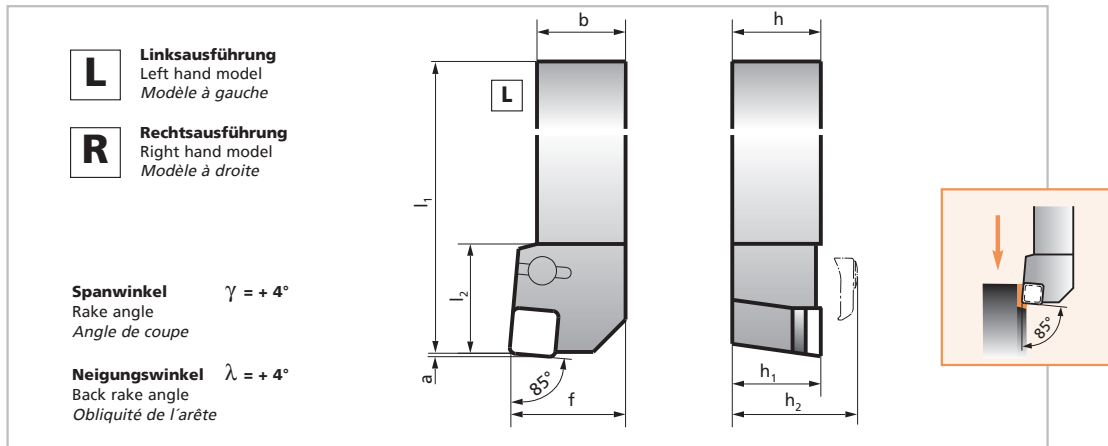
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique 16 - 21 **WURBON®** • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|----------------------|---|--|----------------|----------------|
| | | | | | |
| SC . N 09 03 .. | CSYC L 2525 M 09 - 3 | 710.08.025.02 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.23.602.0 |
| | CSYC R 2525 M 09 - 3 | 710.07.025.02 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.23.602.0 |
| | CSYC L 3225 P 09 - 3 | 710.08.026.02 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.23.602.0 |
| | CSYC R 3225 P 09 - 3 | 710.07.026.02 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.23.602.0 |
| SC . N 09 04 .. | CSYC L 2525 M 09 - 4 | 710.08.025.03 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.011.0 |
| | CSYC R 2525 M 09 - 4 | 710.07.025.03 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.011.0 |
| | CSYC L 3225 P 09 - 4 | 710.08.026.03 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.011.0 |
| | CSYC R 3225 P 09 - 4 | 710.07.026.03 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.011.0 |




CSYC □ 2525

Drehwerkzeuge positiv
Tools positive for turning
Porte-outils positifs pour le tournage



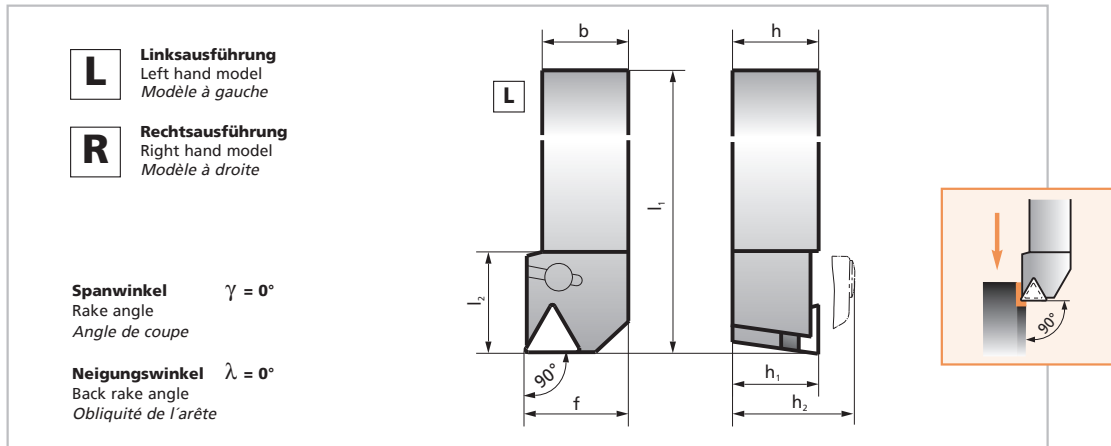
| SPK-Schneidplatte SPK insert <i>Plaquette SPK</i> | Schaft Schank <i>Corps</i> | Abmessungen • Dimensions • <i>Dimensions</i> (mm) | | | | | | |
|---|----------------------------------|---|----|----------------|----------------|----|----------------|------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a |
| SC . . 12 . . . | 2525 | 25 | 25 | 150 | 27 | 32 | 36 | 1,03 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • *Céramique* 📄 16 - 21

| SPK-Schneidplatte SPK Insert <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | | |
|--|-------------------------|--|---|---|--|
|  SC . N 12 04 .. | CSYC L 2525 M 12 | 710.08.020.03 |  70.91.11.091.0 70.91.11.091.0 |  70.91.53.060.0 70.91.53.060.0 | |
| | CSYC R 2525 M 12 | 710.07.020.03 | | | |

Drehwerkzeuge positiv
Tools positive for turning
Porte-outils positifs pour le tournage

CTFC □ 2525

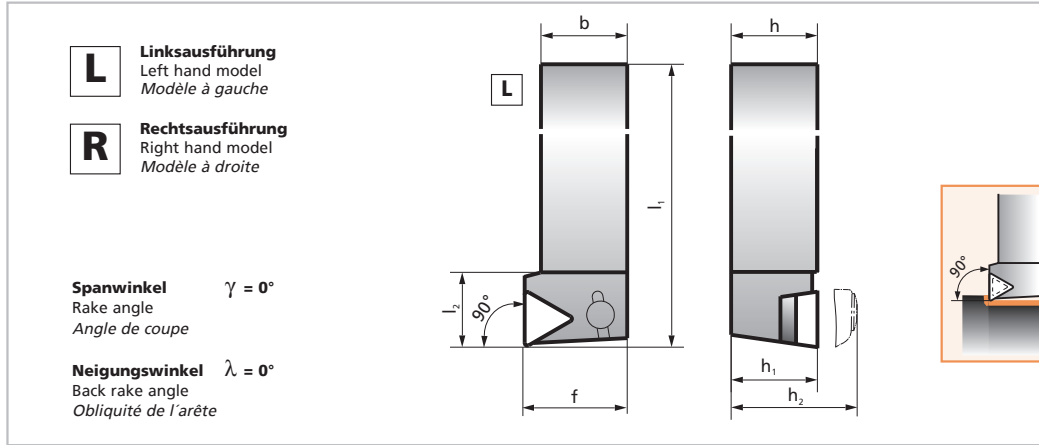


| SPK-Schneidplatte SPK insert <i>Plaquette SPK</i> | Schaft Schank <i>Corps</i> | Abmessungen • Dimensions • <i>Dimensions</i> (mm) | | | | | |
|---|----------------------------------|---|----|-------|-------|----|-------|
| | | $h=h_1$ | b | l_1 | l_2 | f | h_2 |
| TC . N 16 ... | 2525 | 25 | 25 | 150 | 27 | 32 | 39 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • *Céramique* 16 - 21

| SPK-Schneidplatte SPK Insert <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | | |
|---|------------------|--|---|----------------------------------|----------------------------------|
| TC . N 16 04 ... | CTFC L 2525 M 16 | 710.18.304.03 | | | |
| | CTFC R 2525 M 16 | 710.17.304.03 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.049.0 70.91.00.050.0 | 70.91.53.131.0 70.91.53.131.0 |

** Spannelement für kurzspanende Werkstoffe
Clamp element for short chips materials
Élément de serrage pour matériaux à copeaux courts



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Schank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|---------------------------|--|----|-------|-------|----|-------|
| | | $h=h_1$ | b | l_1 | l_2 | f | h_2 |
| TC . N 16 | 2525 | 25 | 25 | 150 | 22 | 32 | 39 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • Céramique 16 - 21

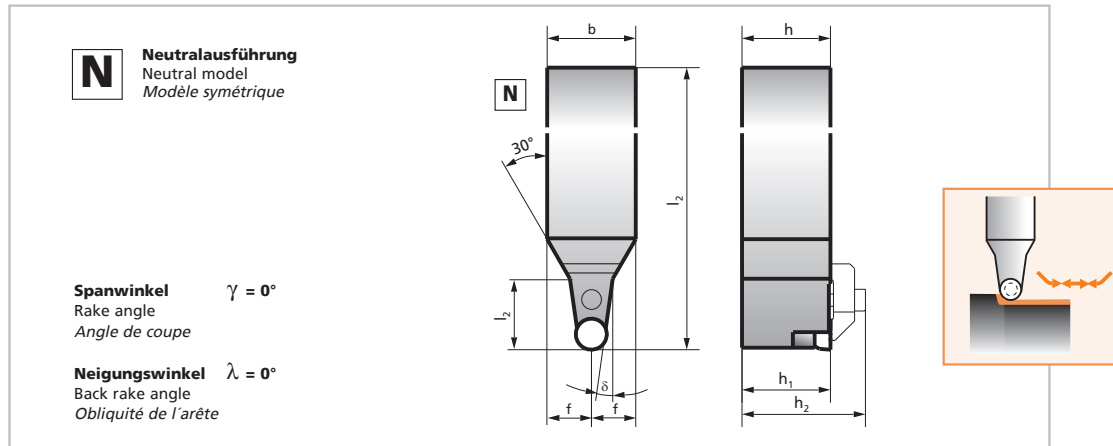
| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|------------------|---|--|----------------------------------|----------------------------------|
| | CTGC L 2525 M 16 | 710.18.302.03 | | | |
| | CTGC R 2525 M 16 | 710.17.302.03 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.050.0 70.91.00.049.0 | 70.91.53.131.0 70.91.53.131.0 |

** Spannelement für kurzspanende Werkstoffe
Clamp element for short chips materials
Élément de serrage pour matériaux à copeaux courts

Drehwerkzeuge positiv

Tools positive for turning
Porte-outils positifs pour le tournage

CRDC □ 2525
CRDC □ 3225



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|------|----------------|----|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | δ |
| RC . N 09 07 00 | 2525 | 25 | 25 | 150 | 20 | 12,5 | 36 | 8° |
| | 3225 | 32 | 25 | 170 | 20 | 12,5 | 36 | 8° |
| RC . N 12 07 00 | 2525 | 25 | 25 | 150 | 25 | 12,5 | 36 | 0° |
| | 3225 | 32 | 25 | 170 | 25 | 12,5 | 36 | 0° |
| RC . N 15 07 00 | 2525 | 25 | 25 | 150 | 30 | 12,5 | 37 | 8° |
| | 3225 | 32 | 25 | 170 | 30 | 12,5 | 37 | 8° |
| RC . N 19 07 00 | 2525 | 25 | 25 | 150 | 42 | 12,5 | 37 | 0° |
| | 3225 | 32 | 25 | 170 | 42 | 12,5 | 37 | 0° |

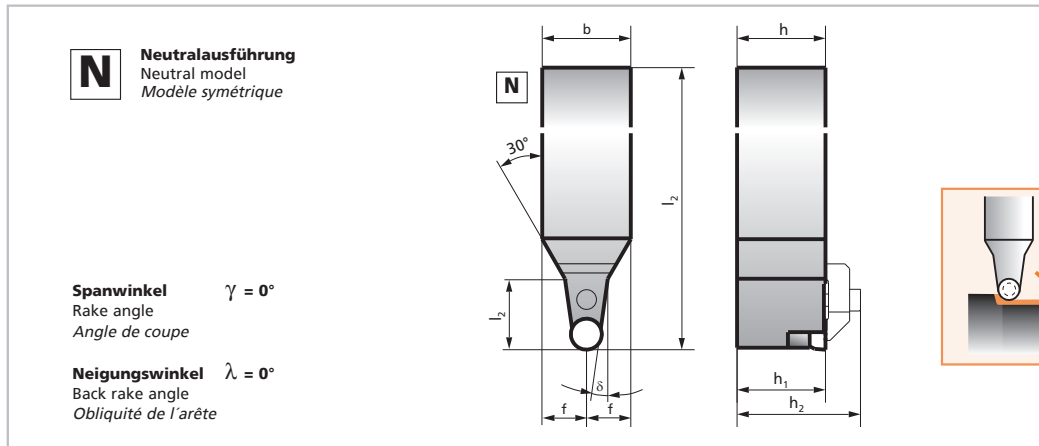
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--------------------------------------|---|--|----------------------------------|--|
| RC . N 09 07 00 | CRDC N 2525 M 09 CRDC N 3225 P 09 | 710.45.001.05 710.45.004.05 | | 70.91.11.236.0 70.91.11.236.0 | 70.91.53.461.0* 70.91.53.461.0* |
| RC . N 12 07 00 | CRDC N 2525 M 12 CRDC N 3225 P 12 | 710.45.002.05 710.45.003.05 | | 70.91.11.285.0 70.91.11.285.0 | 70.91.53.462.0* 70.91.53.462.0* |
| RC . N 15 07 00 | CRDC N 2525 M 15 CRDC N 3225 P 15 | 710.45.005.07 710.45.006.07 | | 70.91.11.232.0 70.91.11.232.0 | 70.91.53.446.0* 70.91.53.446.0* |
| RC . N 19 07 00 | CRDC N 3225 P 19 | 710.45.007.07 | | 70.91.11.233.0 | 70.91.53.473.0* |

*Stützplatte muß separat bestellt werden • *Shim must be ordered separately • *Plaquette d'assise doit être commandée séparément

CRDC □ 2525
CRDC □ 3225

Drehwerkzeuge positiv
Tools positive for turning
Porte-outils positifs pour le tournage



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|------|----------------|----|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | δ |
| RC . X 09 07 00 | 2525 | 25 | 25 | 150 | 20 | 12,5 | 36 | 8° |
| | 3225 | 32 | 25 | 170 | 20 | 12,5 | 36 | 8° |
| RC . X 12 07 00 | 2525 | 25 | 25 | 150 | 25 | 12,5 | 36 | 0° |
| | 3225 | 32 | 25 | 170 | 25 | 12,5 | 36 | 0° |
| RC . X 15 10 00 | 2525 | 25 | 25 | 150 | 30 | 12,5 | 37 | 8° |
| | 3225 | 32 | 25 | 170 | 30 | 12,5 | 37 | 8° |
| RC . X 19 10 00 | 2525 | 25 | 25 | 150 | 42 | 12,5 | 37 | 0° |
| | 3225 | 32 | 25 | 170 | 42 | 12,5 | 37 | 0° |

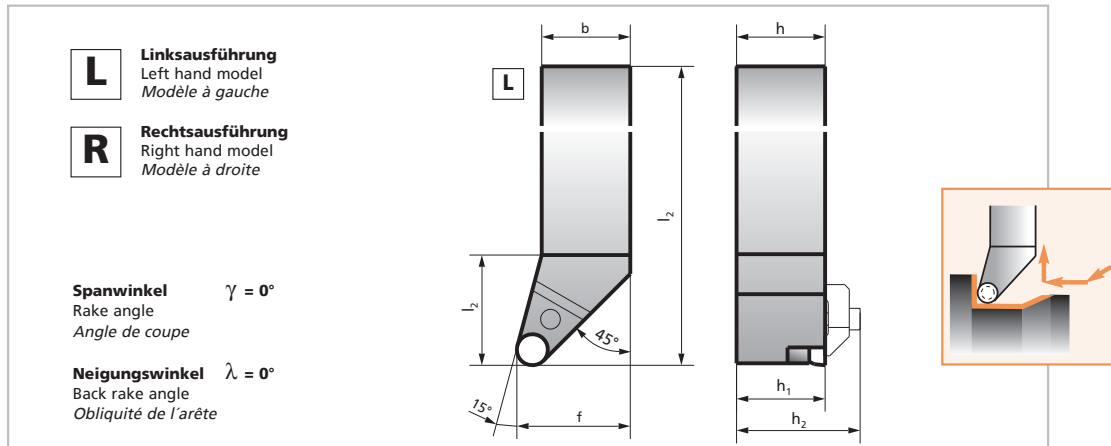
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|------------------|---|--|--|----------------|
| RC . X 09 07 00 | CRDC N 2525 M 09 | 710.45.001.05 | | | 70.91.53.444.0 |
| | CRDC N 3225 P 09 | 710.45.004.05 | | | |
| RC . X 12 07 00 | CRDC N 2525 M 12 | 710.45.002.05 | | | 70.91.53.450.0 |
| | CRDC N 3225 P 12 | 710.45.003.05 | | | |
| RC . X 15 10 00 | CRDC N 2525 M 15 | 710.45.005.07 | | | 70.91.53.428.0 |
| | CRDC N 3225 P 15 | 710.45.006.07 | | | |
| RC . X 19 10 00 | CRDC N 3225 P 19 | 710.45.007.07 | | | 70.91.53.451.0 |
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Drehwerkzeuge positiv






Tools positive for turning
Porte-outils positifs pour le tournage

CRGC □ 2525
CRGC □ 3225



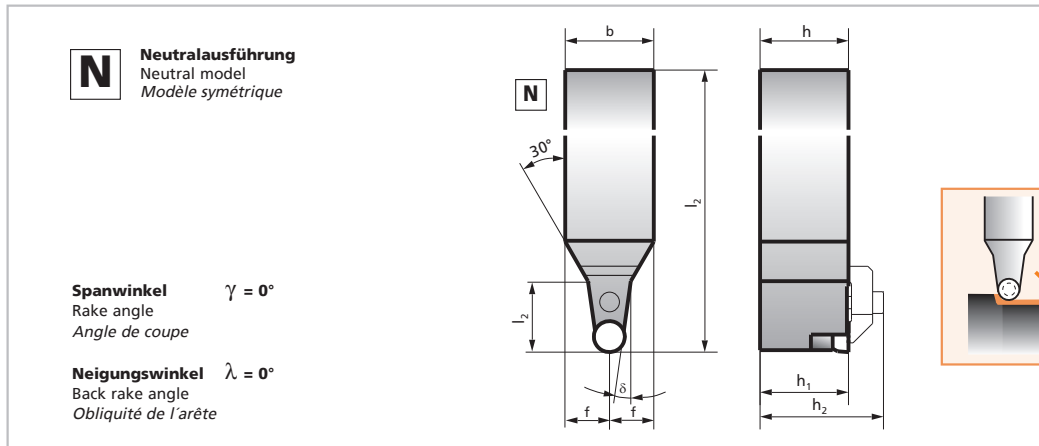
| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ |
| RC . X 09 07 00 | 2525 | 25 | 25 | 150 | 28 | 32 | 36 |
| | 3225 | 32 | 25 | 170 | 28 | 32 | 43 |
| RC . X 12 07 00 | 2525 | 25 | 25 | 150 | 33 | 32 | 36 |
| | 3225 | 32 | 25 | 170 | 33 | 32 | 43 |
| RC . X 15 10 00 | 3225 | 32 | 25 | 170 | 35 | 32 | 44 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|---|--|---|
| RC . X 09 07 00  | CRGC L 2525 M 09 | 710.48.001.05 |  70.91.11.230.0 70.91.11.230.0 70.91.11.230.0 70.91.11.230.0 | |  70.91.53.444.0 70.91.53.444.0 70.91.53.444.0 70.91.53.444.0 |
| | CRGC R 2525 M 09 | 710.47.001.05 | | | |
| | CRGC R 3225 P 09 | 710.47.004.05 | | | |
| | CRGC L 3225 P 09 | 710.48.004.05 | | | |
| RC . X 12 07 00  | CRGC L 2525 M 12 | 710.48.002.05 | 70.91.11.232.0 70.91.11.232.0 70.91.11.232.0 70.91.11.232.0 | | 70.91.53.450.0 70.91.53.450.0 70.91.53.450.0 70.91.53.450.0 |
| | CRGC R 2525 M 12 | 710.47.002.05 | | | |
| | CRGC L 3225 P 12 | 710.48.003.05 | | | |
| | CRGC R 3225 P 12 | 710.47.003.05 | | | |
| RC . X 15 10 00  | CRGC L 3225 P 15 | 710.48.006.07 | 70.91.11.232.0 70.91.11.232.0 | | 70.91.53.428.0 70.91.53.428.0 |
| | CRGC R 3225 P 15 | 710.47.006.07 | | | |

CRXB □ 2525
 CRXB □ 3225
 CRXB □ 4040

Drehwerkzeuge positiv
 Tools positive for turning
 Porte-outils positifs pour le tournage



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|----|----------------|----------------|------|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ |
| RB . N 06 04 MO | 2525 | 25 | 25 | 150 | 20 | 12,5 | 37 |
| | 3225 | 32 | 25 | 170 | 20 | 12,5 | 44 |
| RB . N 07 04 MO | 2525 | 25 | 25 | 150 | 20 | 12,5 | 37 |
| | 3225 | 32 | 25 | 170 | 20 | 12,5 | 44 |
| RB . N 08 04 MO | 2525 | 25 | 25 | 150 | 20 | 12,5 | 37 |
| | 3225 | 32 | 25 | 170 | 20 | 12,5 | 44 |
| RB . N 10 07 MO | 2525 | 25 | 25 | 150 | 25 | 12,5 | 40 |
| | 3225 | 32 | 25 | 170 | 25 | 12,5 | 47 |
| | 4040 | 40 | 40 | 400 | 25 | 20,0 | 55 |

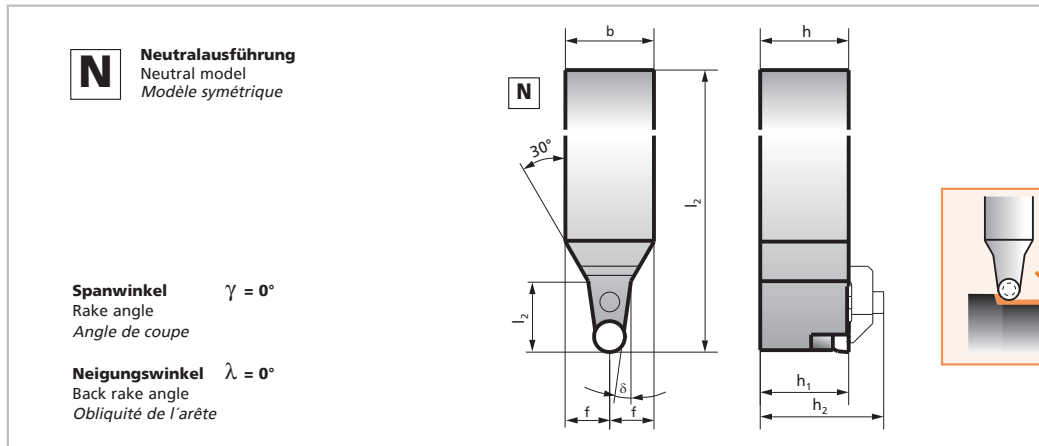
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique 16 - 21 WURBON® • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|--|--|
| RB . N 06 04 MO | CRXB N 2525 M 06 - 4 CRXB N 3225 P 06 - 4 | 710.45.009.03 710.45.010.03 | | | 70.91.23.141.0 70.91.23.141.0 |
| RB . N 07 04 MO | CRXB N 2525 M 07 - 4 CRXB N 3225 P 07 - 4 | 710.45.012.03 710.45.013.03 | | | 70.91.23.142.0 70.91.23.142.0 |
| RB . N 08 04 MO | CRXB N 2525 M 08 - 4 CRXB N 3225 P 08 - 4 | 710.45.015.03 710.45.016.03 | | | 70.91.23.157.0 70.91.23.157.0 |
| RB . N 10 07 MO | CRXB N 2525 M 10 - 7 CRXB N 3225 P 10 - 7 CRXB N 4040 V 10 - 7 | 710.45.018.05 710.45.019.05 710.45.020.05 | | | 70.91.23.158.0 70.91.23.158.0 70.91.23.158.0 |

Drehwerkzeuge positiv
Tools positive for turning
Porte-outils positifs pour le tournage







CRXB □ 2525
CRXB □ 3225
CRXB □ 4040

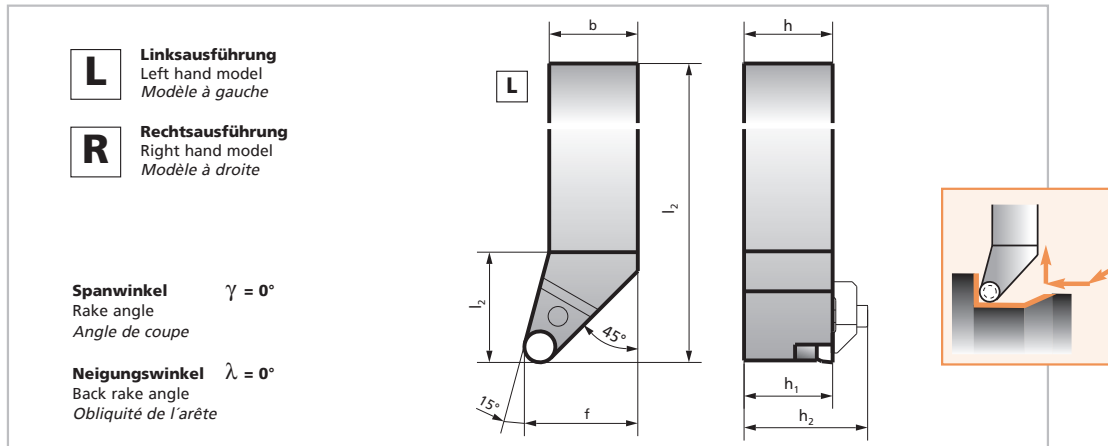


| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|----|----------------|----------------|------|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ |
| RB . N 12 07 MO | 2525 | 25 | 25 | 150 | 25 | 12,5 | 40 |
| | 3225 | 32 | 25 | 170 | 25 | 12,5 | 47 |
| | 4040 | 40 | 40 | 400 | 25 | 20,0 | 55 |
| RB . N 16 07 MO | 3225 | 32 | 25 | 170 | 25 | 12,5 | 47 |
| | 4040 | 40 | 40 | 400 | 25 | 20,0 | 55 |
| RB . N 20 07 MO | 3225 | 32 | 25 | 170 | 35 | 12,5 | 53 |
| | 4040 | 40 | 40 | 400 | 35 | 20,0 | 61 |
| RB . N 25 07 MO | 3225 | 32 | 25 | 170 | 35 | 12,5 | 53 |
| | 4040 | 40 | 40 | 400 | 35 | 20,0 | 61 |

Schnittdatenempfehlungen • Cutting data recommendations • Recommandations de conditions de coupe

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| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|---|--|---|
| RB . N 12 07 MO  | CRXB N 2525 M 12 - 7 CRXB N 3225 P 12 - 7 CRXB N 4040 V 12 - 7 | 710.45.042.05 710.45.043.05 710.45.044.05 |  | |  70.91.23.631.0 70.91.23.631.0 70.91.23.631.0 |
| RB . N 16 07 MO  | CRXB N 3225 P 16 - 7 CRXB N 4040 V 16 - 7 | 710.45.045.05 710.45.046.05 | | | 70.91.23.644.0 70.91.23.644.0 |
| RB . N 20 07 MO  | CRXB N 3225 P 20 - 7 CRXB N 4040 V 20 - 7 | 710.45.047.05 710.45.048.05 | | | 70.91.23.680.0 70.91.23.680.0 |
| RB . N 25 07 MO  | CRXB N 3225 P 25 - 7 CRXB N 4040 V 25 - 7 | 710.45.049.05 710.45.050.05 | | | 70.91.23.681.0 70.91.23.681.0 |



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ |
| RB . N 12 07 MO | 3225 | 32 | 25 | 170 | 33 | 32 | 47 |
| RB . N 16 07 MO | 3225 | 32 | 25 | 170 | 35 | 32 | 47 |
| RB . N 20 07 MO | 3225 | 32 | 25 | 170 | 42 | 32 | 53 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique ☎ 16 - 21 **WURBON®** • WURBON® • WURBON® ☎ 85 - 89

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|----------------------|---|---|--|---|
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| | CRGB R 3225 P 12 - 7 | 710.47.022.05 | | | |
| RB . N 16 07 MO  | CRGB L 3225 P 16 - 7 | 710.48.023.05 | 70.91.11.456.0 70.91.11.456.0 | | 70.91.23.644.0 70.91.23.644.0 |
| | CRGB R 3225 P 16 - 7 | 710.47.023.05 | | | |
| RB . N 20 07 MO  | CRGB L 3225 P 20 - 7 | 710.48.024.05 | 70.91.11.455.0 70.91.11.455.0 | | 70.91.23.680.0 70.91.23.680.0 |
| | CRGB R 3225 P 20 - 7 | 710.47.024.05 | | | |



Ausdrehwerkzeuge
Boring tools
Porte-outils pour d'alésage

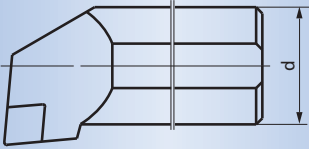


Bezeichnungssystem für Ausdrehwerkzeuge nach ISO 6261

Designation system for boring tools ISO 6261

Système de dénomination ISO 6261 pour porte-outils l'alésage intérieur

S **Vollstahl**
Solid steel
Acier plein




Kennzahl für Schaftdurchmesser.
Bei einstelliger Kennzahl wird eine 0 vorangestellt.
Code for shank diameter. A 0 precedes single-digit code.
Code pour diamètre de queue. Au cas où le code n'a qu'un chiffre, celui-ci est précédé d'un 0.

z.B. Kennzahl · e.g. code · exemple code


40 \rightarrow **d = 40mm**

C



Von oben geklemmt
Top clamping
Fixation par bride

P



Über Bohrung geklemmt
Hole clamping
Fixation par goupille

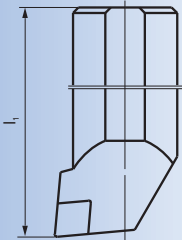
Schaftausführung
Shank type
Construction du corps d'outil

Schaftdurchmesser
Shank diameter
Diamètre du corps d'outil

Schneidplattenbefestigung
Insert clamping
Fixation de plaquette








S 40 T - C C

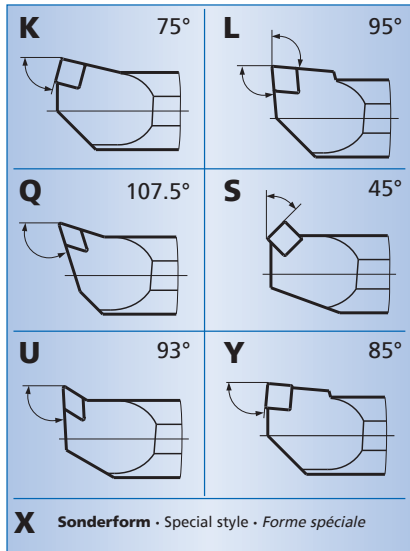
Werkzeuflänge
Tool length
Longueur d'outil



| | l_1 mm |
|----------|-------------|
| R | 200 |
| S | 250 |
| T | 300 |
| U | 350 |

Plattenform
Insert shape
Forme de plaquette

| | | | |
|----------|---|----------|---|
| C |  | D |  |
| E |  | R |  |
| S |  | T |  |
| V |  | | |



X Sonderform · Special style · *Forme spéciale*

Halterform

Tool style
Forme de porte-outil

| Inkreis Inscribed circle Cercle inscrit | d | | T | | C | | E | | D | |
|---|-------|-----------|-----------|-----------|-----------|-----------|---|--|---|--|
| | mm | S | 60° | 80° | 75° | 55° | | | | |
| | 9,52 | | 16 | | | | | | | |
| | 12,70 | 12 | | 12 | 13 | 15 | | | | |
| | 15,88 | 15 | | | | | | | | |

Plattengröße

Insert size
Grandeur de la plaquette

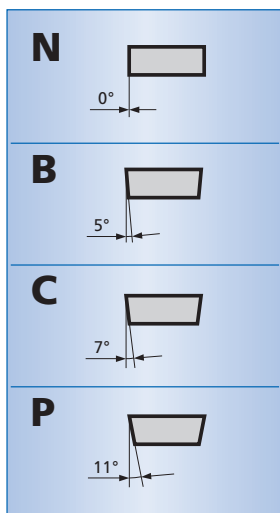
| Kennzahl Index Code | S mm |
|---------------------------|---------|
| 3 | 3,18 |
| 4 | 4,76 |
| 6 | 6,35 |
| 7 | 7,94 |

Plattendicke

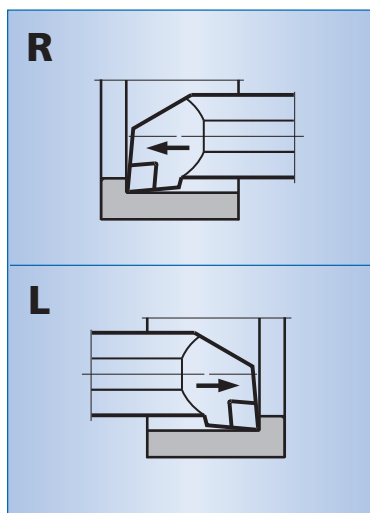
Insert thickness
Épaisseur de la plaquette

L N R 12 - IX 7

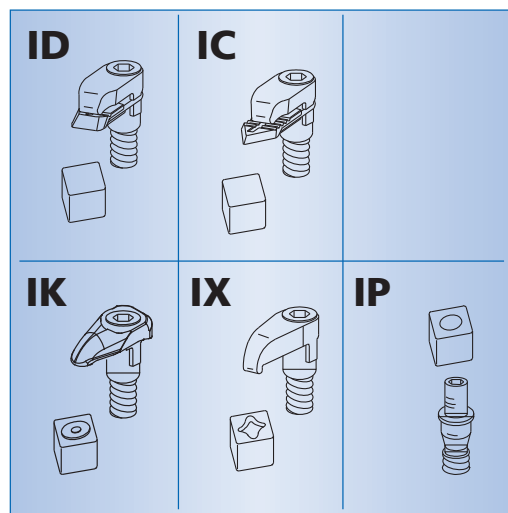
**Normal-Freiwinkel der
Schneidplatte**
Insert normal clearance
Angle de dépouille



Schneidrichtung
Cutting direction
Direction de coupe



Klemmart
Clamping system
Système de serrage



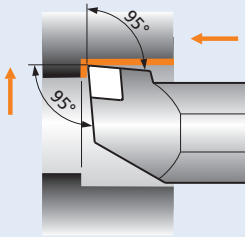
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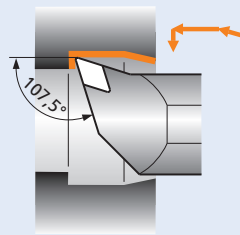
IKS-Ausdrehwerkzeuge • IKS-Boring tools • Porte-outils IKS pour l'alésage

S32S - CCLN L / R
S40T / S50U - CCLN L / R
S40T / S50U - PCLN L / R



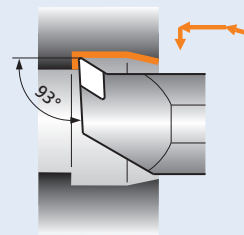
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S32S - CDQN L / R
S40T / S50U - CDQN L / R
S40T / S50U - PDQN L / R



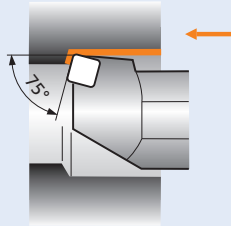
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S32S - CDUN L / R
S40T / S50U - CDUN L / R
S40T / S50U - PDUN L / R



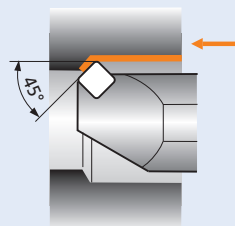
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S32S - CSKN L / R
S40T / S50U - CSKN L / R
S40T / S50U - PSKN L / R



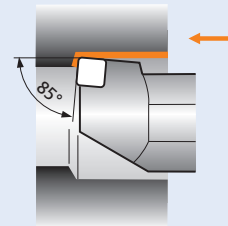
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S32S - CSSN L / R
S40T / S50U - CSSN L / R
S40T / S50U - PSSN L / R



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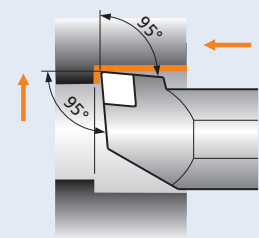
S32S - CSYN L / R
S40T / S50U - CSYN L / R
S40T / S50U - PSYN L / R



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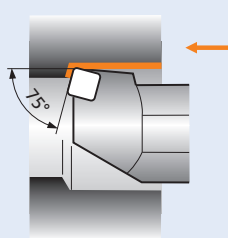
Ausdrehwerkzeuge • Boring tools • Porte-outils pour l'alésage

CCLN L / R 40
CCLN L / R 50



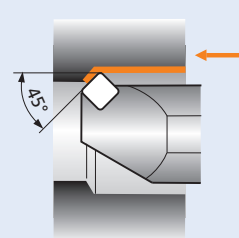
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CSKN L / R 40
CSKN L / R 50



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CSSN L / R 40 -P
CSSN L / R 50 -P

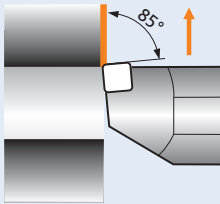


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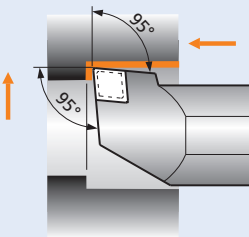
CSXN L / R 40 -P
CSXN L / R 50 -P



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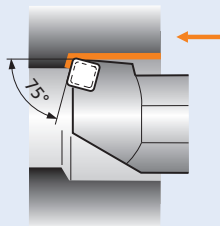
Ausdrehwerkzeuge positiv • Boring tools positive • Porte-outils positifs pour l'alésage

S40T - CCLC L / R
S50U - CCLC L / R



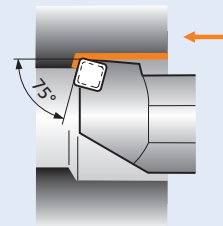
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CSKC L / R 32



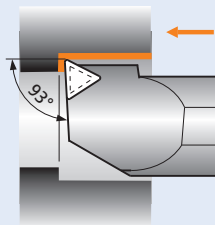
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CSKP L / R 25



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CTUC L / R 32



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IKS-Ausdrehwerkzeuge
 IKS Boring tools
 Porte-outils IKS pour l'alésage

S32S - CCLN □

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -4^\circ$
 Rake angle
 Angle de coupe

Schnittdatenempfehlungen
 Cutting data recommendations
 Recommandations de conditions de coupe

Keramik • Ceramic • Céramique **16 - 21**
WURBON® • WURBON® • WURBON® **85 - 89**

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----|-----------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | h | λ | D _{min} |
| CN . X 12 | Ø 32 | 32 | 15 | 250 | 40 | 22 | 30 | -12° | 40 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|--|--|
| IKS - PRO | S 32 S - CCLN L 12 - IK 7 S 32 S - CCLN R 12 - IK 7 | 751.24.009.25 | | | |
| | | 751.23.009.25 | | | |
| | S 32 S - CCLN L 12 - IX 7 S 32 S - CCLN R 12 - IX 7 | 751.24.009.05 | 70.91.11.316.0 | | |
| | | 751.23.009.05 | 70.91.11.316.0 | | |

S40T - CCLN
S40T - PCLN

IKS-Ausdrehwerkzeuge
IKS Boring tools
Porte-outils IKS pour l'alésage



L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe

Keramik • Ceramic • Céramique 16 - 21
Cermet • Cermet • Cermet 59 - 67
WURBON® • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| CN . . 12 . . . | Ø 40 | 40 | 18,5 | 300 | 35 | 27 | 33 | 37 | -12° | 70 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|---------------------------|---|--|--|--|
| CN . N 12 04 .. | S 40 T - CCLN L 12 - IC 4 | 751.24.001.04 | 70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0 | 70.91.22.015.0 70.91.22.015.0 70.91.22.015.0 70.91.22.015.0 | |
| | S 40 T - CCLN R 12 - IC 4 | 751.23.001.04 | | | |
| | S 40 T - CCLN L 12 - ID 4 | 751.24.001.02 | | | |
| | S 40 T - CCLN R 12 - ID 4 | 751.23.001.02 | | | |
| CN . N 12 07 .. | S 40 T - CCLN L 12 - IC 7 | 751.24.001.03 | 70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0 | 70.91.22.014.0 70.91.22.014.0 70.91.22.014.0 70.91.22.014.0 | |
| | S 40 T - CCLN R 12 - IC 7 | 751.23.001.03 | | | |
| | S 40 T - CCLN L 12 - ID 7 | 751.24.001.01 | | | |
| | S 40 T - CCLN R 12 - ID 7 | 751.23.001.01 | | | |
| IKS - PRO CN . X 12 04 .. | S 40 T - CCLN L 12 - IK 4 | 751.24.001.29 | 70.91.11.716.6 70.91.11.716.6 | 70.91.22.015.0 70.91.22.015.0 | |
| | S 40 T - CCLN R 12 - IK 4 | 751.23.001.29 | | | |
| CN . X 12 07 .. | S 40 T - CCLN L 12 - IK 7 | 751.24.001.25 | 70.91.11.716.6 70.91.11.716.6 | 70.91.22.014.0 70.91.22.014.0 | |
| | S 40 T - CCLN R 12 - IK 7 | 751.23.001.25 | | | |
| CN . X 12 07 .. | S 40 T - CCLN L 12 - IX 7 | 751.24.001.05 | 70.91.11.316.0 70.91.11.316.0 | 70.91.22.014.0 70.91.22.014.0 | |
| | S 40 T - CCLN R 12 - IX 7 | 751.23.001.05 | | | |
| CN . A 12 04 .. | S 40 T - PCLN L 12 - IP 4 | 751.24.001.08 | 70.91.15.005.0 70.91.15.005.0 | 70.91.26.009.6 70.91.26.009.6 | |
| | S 40 T - PCLN R 12 - IP 4 | 751.23.001.08 | | | |

IKS-Ausdrehwerkzeuge

IKS Boring tools

Porte-outils IKS pour l'alésage

S50U - CCLN

S50U - PCLN

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel
Rake angle
Angle de coupe

$\gamma = -6^\circ$

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe

Keramik • Ceramic • Céramique 16 - 21

Cermet • Cermet • Cermet 59 - 67

WURBON® • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| CN .. 12 | Ø 50 | 50 | 23,5 | 350 | 38 | 32 | 38 | 47 | -12° | 70 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|--|--|
| CN . N 12 04 .. CN . N 12 07 .. | S 50 U - CCLN L 12 - IC 4 S 50 U - CCLN R 12 - IC 4 S 50 U - CCLN L 12 - ID 4 S 50 U - CCLN R 12 - ID 4 | 751.24.002.04 | 70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0 | 70.91.22.015.0 70.91.22.015.0 70.91.22.015.0 70.91.22.015.0 | |
| | | 751.23.002.04 | | | |
| | | 751.24.002.02 | | | |
| | | 751.23.002.02 | | | |
| CN . X 12 04 .. CN . X 12 07 .. | S 50 U - CCLN L 12 - IC 7 S 50 U - CCLN R 12 - IC 7 S 50 U - CCLN L 12 - ID 7 S 50 U - CCLN R 12 - ID 7 | 751.24.002.03 | 70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0 | 70.91.22.014.0 70.91.22.014.0 70.91.22.014.0 70.91.22.014.0 | |
| | | 751.23.002.03 | | | |
| | | 751.24.002.01 | | | |
| | | 751.23.002.01 | | | |
| IKS - PRO CN . X 12 04 .. CN . X 12 07 .. | S 50 U - CCLN L 12 - IK 4 S 50 U - CCLN R 12 - IK 4 | 751.24.002.29 | 70.91.11.716.6 70.91.11.716.6 | 70.91.22.015.0 70.91.22.015.0 | |
| | | 751.23.002.29 | | | |
| CN . X 12 07 .. CN . X 12 07 .. | S 50 U - CCLN L 12 - IK 7 S 50 U - CCLN R 12 - IK 7 | 751.24.002.25 | 70.91.11.716.6 70.91.11.716.6 | 70.91.22.014.0 70.91.22.014.0 | |
| | | 751.23.002.25 | | | |
| CN . X 12 07 .. CN . X 12 07 .. | S 50 U - CCLN L 12 - IX 7 S 50 U - CCLN R 12 - IX 7 | 751.24.002.05 | 70.91.11.316.0 70.91.11.316.0 | 70.91.22.014.0 70.91.22.014.0 | |
| | | 751.23.002.05 | | | |
| CN . A 12 04 .. CN . A 12 04 .. | S 50 U - PCLN L 12 - IP 4 S 50 U - PCLN R 12 - IP 4 | 751.24.002.08 | 70.91.15.005.0 70.91.15.005.0 | 70.91.26.009.6 70.91.26.009.6 | |
| | | 751.23.002.08 | | | |

S32S - CDQN □

IKS-Ausdrehwerkzeuge
IKS Boring tools
Porte-outils IKS pour l'alésage

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe
Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| DN . X 12 ... | Ø 32 | 32 | 15 | 250 | 40 | 22 | 30 | 30 | -12° | 50 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|---|---|--|--|--|
| DN . X 12 07 .. | S 32 S - CDQN L 12 - IX 7 S 32 S - CDQNR 12 - IX 7 | 751.24.013.05 751.23.013.05 | 70.91.11.316.0 70.91.11.316.0 | | |

IKS-Ausdrehwerkzeuge

IKS Boring tools

Porte-outils IKS pour l'alésage

S40T - CDQN

S40T - PDQN

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel
Rake angle
Angle de coupe

$\gamma = -6^\circ$

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe

Keramik • Ceramic • Céramique 16 - 21

WURBON® • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| DN .. 12 | Ø 40 | 40 | 18,5 | 300 | 50 | 27 | 33 | 37 | -12° | 70 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|----------------|
| | S 40 T - CDQN L 12 - IC 4 S 40 T - CDQN R 12 - IC 4 S 40 T - CDQN L 12 - ID 4 S 40 T - CDQN R 12 - ID 4 | 751.24.006.04 | | | |
| | | 751.23.006.04 | 70.91.15.014.0 | 70.91.22.019.0 | |
| | | 751.24.006.02 | 70.91.15.013.0 | 70.91.22.019.0 | |
| | | 751.23.006.02 | 70.91.15.001.0 | 70.91.22.019.0 | |
| | S 40 T - CDQN L 12 - IC 7 S 40 T - CDQN R 12 - IC 7 S 40 T - CDQN L 12 - ID 7 S 40 T - CDQN R 12 - ID 7 | 751.24.006.03 | 70.91.15.014.0 | 70.91.22.018.0 | |
| | | 751.23.006.03 | 70.91.15.013.0 | 70.91.22.018.0 | |
| | | 751.24.006.01 | 70.91.15.001.0 | 70.91.22.018.0 | |
| | | 751.23.006.01 | 70.91.15.001.0 | 70.91.22.018.0 | |
| | S 40 T - CDQN L 12 - IX 7 S 40 T - CDQN R 12 - IX 7 | 751.24.006.05 | 70.91.11.316.0 | 70.91.22.018.0 | |
| | | 751.23.006.05 | 70.91.11.316.0 | 70.91.22.018.0 | |
| | S 40 T - PDQN L 12 - IP 4 S 40 T - PDQN R 12 - IP 4 | 751.24.006.08 | 70.91.15.001.0 | | 70.91.26.011.6 |
| | | 751.23.006.08 | 70.91.15.001.0 | | 70.91.26.011.6 |

S50U - CDQN
S50U - PDQN

IKS-Ausdrehwerkzeuge
IKS Boring tools
Porte-outils IKS pour l'alésage



L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe

Keramik • Ceramic • Céramique 16 - 21
Cermet • Cermet • Cermet 59 - 67
WURBON® • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| DN . . 15 | Ø 50 | 50 | 23,5 | 350 | 67 | 32 | 38 | 47 | -12° | 70 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | | |
|--|---------------------|--|--|--|--|--|
| IKS - PRO | DN . N 15 07 .. | S 50 U - CDQN L 15 - IC 7 S 50 U - CDQN R 15 - IC 7 S 50 U - CDQN L 15 - ID 7 S 50 U - CDQN R 15 - ID 7 | 751.24.007.03 751.23.007.03 751.24.007.01 751.23.007.01 | | | |
| | DN . X 15 07 .. | S 50 U - CDQN L 15 - IK 7 S 50 U - CDQN R 15 - IK 7 | 751.24.007.25 751.23.007.25 | | | |
| | DN . X 15 07 .. | S 50 U - CDQN L 15 - IX 7 S 50 U - CDQN R 15 - IX 7 | 751.24.007.05 751.23.007.05 | | | |
| | DN . A 15 04 .. | S 50 U - PDQN L 15 - IP 4 S 50 U - PDQN R 15 - IP 4 | 751.24.007.08 751.23.007.08 | | | |
| | DN . A 15 06 .. | S 50 U - PDQN L 15 - IP 6 S 50 U - PDQN R 15 - IP 6 | 751.24.007.06 751.23.007.06 | | | |

IKS-Ausdrehwerkzeuge
IKS Boring tools
Porte-outils IKS pour l'alésage

S32S - CDUN □

L **Linksausführung**
Left hand model
Modèle à gauche

R **Rechtsausführung**
Right hand model
Modèle à droite

Spanwinkel $\gamma = -4^\circ$
 Rake angle
Angle de coupe

Schnittdatenempfehlungen
 Cutting data recommendations
Recommandations de conditions de coupe
Keramik • Ceramic • Céramique **16 - 21**

| SPK-Schneidplatte SPK insert <i>Plaquette SPK</i> | Schaft Shank <i>Corps</i> | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|---|---------------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| DN . X 12 .. | Ø 32 | 32 | 15 | 250 | 40 | 22 | 32 | 30 | -13° | 40 |

| SPK-Schneidplatte SPK Insert <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | | |
|---|--|--|---|--|--|
| DN . X 12 07 .. | S 32 S - CDUN L 12 - IX 7 S 32 S - CDUN R 12 - IX 7 | 751.24.011.05 751.23.011.05 | 70.91.13.316.0 70.91.13.316.0 | | |

S40T - CDUN
S40T - PDUN

IKS-Ausdrehwerkzeuge
IKS Boring tools
Porte-outils IKS pour l'alésage



L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe

Keramik • Ceramic • Céramique 16 - 21
WURBON® • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| DN . . 12 .. . | Ø 40 | 40 | 18,5 | 300 | 50 | 27 | 34 | 37 | -12° | 70 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|---------------------------|---|--|--|--------------------------------------|
| DN . N 12 04 .. | S 40 T - CDUN L 12 - IC 4 | 751.24.003.04 | 70.91.15.014.0 70.91.15.013.0 70.91.15.001.0 70.91.15.001.0 | 70.91.22.019.0 70.91.22.019.0 70.91.22.019.0 70.91.22.019.0 | |
| | S 40 T - CDUN R 12 - IC 4 | 751.23.003.04 | | | |
| | S 40 T - CDUN L 12 - ID 4 | 751.24.003.02 | | | |
| | S 40 T - CDUN R 12 - ID 4 | 751.23.003.02 | | | |
| DN . N 12 07 .. | S 40 T - CDUN L 12 - IC 7 | 751.24.003.03 | 70.91.15.014.0 70.91.15.013.0 70.91.15.001.0 70.91.15.001.0 | 70.91.22.018.0 70.91.22.018.0 70.91.22.018.0 70.91.22.018.0 | |
| | S 40 T - CDUN R 12 - IC 7 | 751.23.003.03 | | | |
| | S 40 T - CDUN L 12 - ID 7 | 751.24.003.01 | | | |
| | S 40 T - CDUN R 12 - ID 7 | 751.23.003.01 | | | |
| DN . X 12 07 .. | S 40 T - CDUN L 12 - IX 7 | 751.24.003.05 | 70.91.11.316.0 70.91.11.316.0 | 70.91.22.018.0 70.91.22.018.0 | |
| | S 40 T - CDUN R 12 - IX 7 | 751.23.003.05 | | | |
| DN . A 12 04 .. | S 40 T - PDUN L 12 - IP 4 | 751.24.003.08 | 70.91.15.001.0 70.91.15.001.0 | | 70.91.26.011.6 70.91.26.011.6 |
| | S 40 T - PDUN R 12 - IP 4 | 751.23.003.08 | | | |

IKS-Ausdrehwerkzeuge

IKS Boring tools

Porte-outils IKS pour l'alésage

S50U - CDUN

S50U - PDUN

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe

Keramik • Ceramic • Céramique 16 - 21

Cermet • Cermet • Cermet 59 - 67

WURBON® • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| DN . . 15 | Ø 50 | 50 | 23,5 | 350 | 50 | 32 | 38 | 47 | -12° | 70 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | | |
|--|-----------------|--|--|--|--|--|
| | DN . N 15 07 .. | S 50 U - CDUN L 15 - IC 7 S 50 U - CDUN R 15 - IC 7 S 50 U - CDUN L 15 - ID 7 S 50 U - CDUN R 15 - ID 7 | 751.24.004.03 751.23.004.03 751.24.004.01 751.23.004.01 | | | |
| | DN . X 15 07 .. | S 50 U - CDUN L 15 - IK 7 S 50 U - CDUN R 15 - IK 7 | 751.24.004.25 751.23.004.25 | | | |
| | DN . X 15 07 .. | S 50 U - CDUN L 15 - IX 7 S 50 U - CDUN R 15 - IX 7 | 751.24.004.05 751.23.004.05 | | | |
| | DN . A 15 04 .. | S 50 U - PDUN L 15 - IP 4 S 50 U - PDUN R 15 - IP 4 | 751.24.004.08 751.23.004.08 | | | |
| | DN . A 15 06 .. | S 50 U - PDUN L 15 - IP 6 S 50 U - PDUN R 15 - IP 6 | 751.24.004.06 751.23.004.06 | | | |

IKS-Ausdrehwerkzeuge
IKS Boring tools
Porte-outils IKS pour l'alésage

S32S - CSKN □

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe

Keramik • Ceramic • Céramique 16 - 21

Cermet • Cermet • Cermet 59 - 67

WURBON® • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| SN . X 12 | Ø 32 | 32 | 15 | 250 | 40 | 22 | 27 | 30 | -12° | 40 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|--|
| IKS - PRO | S 32 S - CSKN L 12 - IK 7 S 32 S - CSKN R 12 - IK 7 | 751.04.011.25 | | 70.91.11.718.6 | |
| | | 751.03.011.25 | | 70.91.11.718.6 | |
| SN . X 12 07 .. | S 32 S - CSKN L 12 - IX 7 S 32 S - CSKN R 12 - IX 7 | 751.04.011.05 | 70.91.11.316.0 | | |
| | | 751.03.011.05 | 70.91.11.316.0 | | |

IKS-Ausdrehwerkzeuge

IKS Boring tools

Porte-outils IKS pour l'alésage

S40T - CSKN

S40T - CSKN

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe

Keramik • Ceramic • Céramique 16 - 21

Cermet • Cermet • Cermet 59 - 67

WURBON® • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| SN .. 12 ... | Ø 40 | 40 | 18,5 | 300 | 67 | 27 | 33 | 37 | -12° | 70 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|---------------------------|---|--|--|--|
| SN . N 12 04 .. | S 40 T - CSKN L 12 - IC 4 | 751.04.004.04 | 70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0 | 70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 | |
| | S 40 T - CSKN R 12 - IC 4 | 751.03.004.04 | | | |
| | S 40 T - CSKN L 12 - ID 4 | 751.04.004.02 | | | |
| | S 40 T - CSKN R 12 - ID 4 | 751.03.004.02 | | | |
| SN . N 12 07 .. | S 40 T - CSKN L 12 - IC 7 | 751.04.004.03 | 70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0 | 70.91.22.010.0 70.91.22.010.0 70.91.22.010.0 70.91.22.010.0 | |
| | S 40 T - CSKN R 12 - IC 7 | 751.03.004.03 | | | |
| | S 40 T - CSKN L 12 - ID 7 | 751.04.004.01 | | | |
| | S 40 T - CSKN R 12 - ID 7 | 751.03.004.01 | | | |
| IKS - PRO SN . X 12 04 .. | S 40 T - CSKN L 12 - IK 4 | 751.04.004.29 | 70.91.11.718.6 70.91.11.718.6 | 70.91.22.011.0 70.91.22.011.0 | |
| | S 40 T - CSKN R 12 - IK 4 | 751.03.004.29 | | | |
| SN . X 12 07 .. | S 40 T - CSKN L 12 - IK 7 | 751.04.004.25 | 70.91.11.718.6 70.91.11.718.6 | 70.91.22.010.0 70.91.22.010.0 | |
| | S 40 T - CSKN R 12 - IK 7 | 751.03.004.25 | | | |
| SN . X 12 07 .. | S 40 T - CSKN L 12 - IX 7 | 751.04.004.05 | 70.91.11.316.0 70.91.11.316.0 | 70.91.22.010.0 70.91.22.010.0 | |
| | S 40 T - CSKN R 12 - IX 7 | 751.03.004.05 | | | |
| SN . A 12 04 .. | S 40 T - PSKN L 12 - IP 4 | 751.04.004.08 | 70.91.15.005.0 70.91.15.005.0 | 70.91.26.007.6 70.91.26.007.6 | |
| | S 40 T - PSKN R 12 - IP 4 | 751.03.004.08 | | | |

IKS-Ausdrehwerkzeuge IKS Boring tools Porte-outils IKS pour l'alésage

S50U - CSKN
S50U - PSKN

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe

Keramik • Ceramic • Céramique 16 - 21
Cermet • Cermet • Cermet 59 - 67
WURBON® • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| SN .. 12 | Ø 50 | 50 | 23,5 | 350 | 67 | 35 | 41 | 47 | -12° | 70 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | | |
|--|--|--|--|--|--|--|
| IKS - PRO | SN . N 12 04 .. | S 50 U - CSKN L 12 - IC 4 S 50 U - CSKN R 12 - IC 4 S 50 U - CSKN L 12 - ID 4 S 50 U - CSKN R 12 - ID 4 | 751.04.005.04 751.03.005.04 751.04.005.02 751.03.005.02 | | | |
| | SN . N 12 07 .. | S 50 U - CSKN L 12 - IC 7 S 50 U - CSKN R 12 - IC 7 S 50 U - CSKN L 12 - ID 7 S 50 U - CSKN R 12 - ID 7 | 751.04.005.03 751.03.005.03 751.04.005.01 751.03.005.01 | | | |
| | SN . X 12 04 .. | S 50 U - CSKN L 12 - IK 4 S 50 U - CSKN R 12 - IK 4 | 751.04.005.29 751.03.005.29 | | | |
| | SN . X 12 07 .. | S 50 U - CSKN L 12 - IK 7 S 50 U - CSKN R 12 - IK 7 | 751.04.005.25 751.03.005.25 | | | |
| SN . X 12 07 .. | S 50 U - CSKN L 12 - IX 7 S 50 U - CSKN R 12 - IX 7 | 751.04.005.05 751.03.005.05 | | | | |
| SN . A 12 04 .. | S 50 U - PSKN L 12 - IP 4 S 50 U - PSKN R 12 - IP 4 | 751.04.005.08 751.03.005.08 | | | | |

IKS-Ausdrehwerkzeuge
IKS Boring tools
Porte-outils IKS pour l'alésage

S32S - CSSN □

L **Linksausführung**
Left hand model
Modèle à gauche

R **Rechtsausführung**
Right hand model
Modèle à droite

Spanwinkel $\gamma = 0^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen
 Cutting data recommendations
Recommandations de conditions de coupe

Keramik • Ceramic • Céramique 16 - 21
WURBON® • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK insert <i>Plaquette SPK</i> | Schaft Shank <i>Corps</i> | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | |
|---|---------------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | a | D _{min} |
| SN . X 12 | Ø 32 | 32 | 15 | 250 | 40 | 22 | 32 | 30 | -16° | 8,32 | 40 |

| SPK-Schneidplatte SPK Insert <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • Pièces de rechange | | | |
|---|---|--|--|----------------|--|--|
| IKS - PRO | SN . X 12 07 .. S 32 S - CSSN L 12 - IK 7 S 32 S - CSSN R 12 - IK 7 | 751.04.009.25 751.03.009.25 | | 70.91.13.718.6 | | |
| | | | 70.91.13.718.6 | | | |
| IKS - PRO | SN . X 12 07 .. S 32 S - CSSN L 12 - IX 7 S 32 S - CSSN R 12 - IX 7 | 751.04.009.05 751.03.009.05 | | 70.91.13.316.0 | | |
| | | | 70.91.13.316.0 | | | |

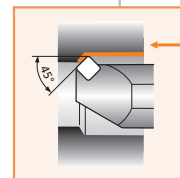
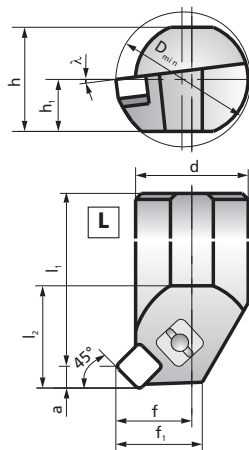
IKS-Ausdrehwerkzeuge IKS Boring tools Porte-outils IKS pour l'alésage

S40T - CSSN
S40T - PSSN

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe



Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe

Keramik • Ceramic • Céramique 16 - 21
Cermet • Cermet • Cermet 59 - 67
WURBON® • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|-----------|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | a | D _{min} |
| SN .. 12 | Ø 40 | 40 | 18,5 | 300 | 50 | 27 | 34 | 37 | -12° | 8,32 | 70 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|---------------------------|---|--|--|--------------------------------------|
| SN . N 12 04 .. | S 40 T - CSSN L 12 - IC 4 | 751.04.001.04 | 70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0 | 70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 | 70.91.26.007.6 70.91.26.007.6 |
| | S 40 T - CSSN R 12 - IC 4 | 751.03.001.04 | | | |
| | S 40 T - CSSN L 12 - ID 4 | 751.04.001.02 | | | |
| | S 40 T - CSSN R 12 - ID 4 | 751.03.001.02 | | | |
| SN . N 12 07 .. | S 40 T - CSSN L 12 - IC 7 | 751.04.001.03 | 70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0 | 70.91.22.010.0 70.91.22.010.0 70.91.22.010.0 70.91.22.010.0 | 70.91.26.007.6 70.91.26.007.6 |
| | S 40 T - CSSN R 12 - IC 7 | 751.03.001.03 | | | |
| | S 40 T - CSSN L 12 - ID 7 | 751.04.001.01 | | | |
| | S 40 T - CSSN R 12 - ID 7 | 751.03.001.01 | | | |
| SN . X 12 04 .. | S 40 T - CSSN L 12 - IK 4 | 751.04.001.29 | 70.91.11.718.6 70.91.11.718.6 | 70.91.22.011.0 70.91.22.011.0 | 70.91.26.007.6 70.91.26.007.6 |
| | S 40 T - CSSN R 12 - IK 4 | 751.03.001.29 | | | |
| SN . X 12 07 .. | S 40 T - CSSN L 12 - IK 7 | 751.04.001.25 | 70.91.11.718.6 70.91.11.718.6 | 70.91.22.010.0 70.91.22.010.0 | 70.91.26.007.6 70.91.26.007.6 |
| | S 40 T - CSSN R 12 - IK 7 | 751.03.001.25 | | | |
| SN . X 12 07 .. | S 40 T - CSSN L 12 - IX 7 | 751.04.001.05 | 70.91.11.316.0 70.91.11.316.0 | 70.91.22.010.0 70.91.22.010.0 | 70.91.26.007.6 70.91.26.007.6 |
| | S 40 T - CSSN R 12 - IX 7 | 751.03.001.05 | | | |
| SN . A 12 04 .. | S 40 T - PSSN L 12 - IP 4 | 751.04.001.08 | 70.91.15.005.0 70.91.15.005.0 | 70.91.26.007.6 70.91.26.007.6 | 70.91.26.007.6 70.91.26.007.6 |
| | S 40 T - PSSN R 12 - IP 4 | 751.03.001.08 | | | |

IKS-Ausdrehwerkzeuge

IKS Boring tools

Porte-outils IKS pour l'alésage

S50U - CSSN

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel
Rake angle
Angle de coupe

$\gamma = -6^\circ$

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe

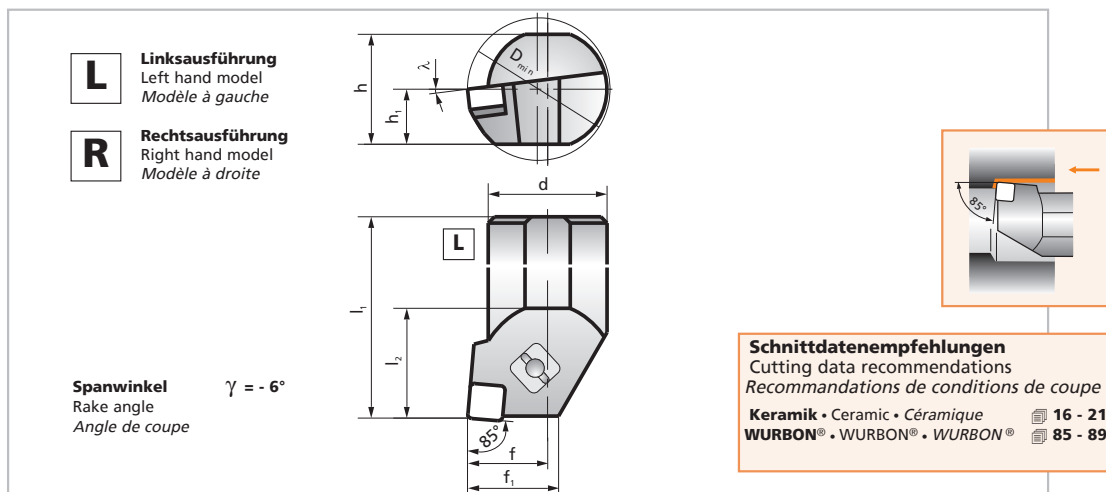
Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | a | D _{min} |
| SN .. 15 | Ø 50 | 50 | 23,5 | 350 | 50 | 35 | 37 | 47 | -12° | 10,2 | 70 |




| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | | | |
|--|---------------------------|---|--|-----------------------|--|----------------|----------------|
| <p>SN . N 15 04 ..</p> | S 50 U - CSSN L 15 - IC 4 | 751.04.002.04 | <p>70.91.15.008.0</p> | <p>70.91.22.013.0</p> | | | |
| | S 50 U - CSSN R 15 - IC 4 | 751.03.002.04 | | | | 70.91.15.007.0 | 70.91.22.013.0 |
| | S 50 U - CSSN L 15 - ID 4 | 751.04.002.02 | | | | 70.91.15.005.0 | 70.91.22.013.0 |
| | S 50 U - CSSN R 15 - ID 4 | 751.03.002.02 | | | | 70.91.15.005.0 | 70.91.22.013.0 |
| <p>SN . N 15 07 ..</p> | S 50 U - CSSN L 15 - IC 7 | 751.04.002.03 | <p>70.91.15.008.0</p> | <p>70.91.22.012.0</p> | | | |
| | S 50 U - CSSN R 15 - IC 7 | 751.03.002.03 | | | | 70.91.15.007.0 | 70.91.22.012.0 |
| | S 50 U - CSSN L 15 - ID 7 | 751.04.002.01 | | | | 70.91.15.005.0 | 70.91.22.012.0 |
| | S 50 U - CSSN R 15 - ID 7 | 751.03.002.01 | | | | 70.91.15.005.0 | 70.91.22.012.0 |
| <p>SN . X 15 07 ..</p> | S 50 U - CSSN L 15 - IK 7 | 751.04.002.25 | <p>70.91.11.718.6</p> | <p>70.91.22.012.0</p> | | | |
| | S 50 U - CSSN R 15 - IK 7 | 751.03.002.25 | | | | 70.91.11.718.6 | 70.91.22.012.0 |
| <p>SN . X 15 07 ..</p> | S 50 U - CSSN L 15 - IX 7 | 751.04.002.05 | <p>70.91.11.316.0</p> | <p>70.91.22.012.0</p> | | | |
| | S 50 U - CSSN R 15 - IX 7 | 751.03.002.05 | | | | 70.91.11.316.0 | 70.91.22.012.0 |

IKS-Ausdrehwerkzeuge IKS Boring tools Porte-outils IKS pour l'alésage

S32S - CSYN □



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| SN . X 12 | Ø 32 | 32 | 15 | 250 | 40 | 22 | 27 | 30 | -13° | 40 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|---|--|--|
| | | |  | | |
| IKS - PRO  | S 32 S - CSYN L 12 - IK 7 S 32 S - CSYN R 12 - IK 7 | 751.04.013.25 | 70.91.11.718.6 | | |
| | | 751.03.013.25 | 70.91.11.718.6 | | |
|  | S 32 S - CSYN L 12 - IX 7 S 32 S - CSYN R 12 - IX 7 | 751.04.013.05 | 70.91.11.316.0 | | |
| | | 751.03.013.05 | 70.91.11.316.0 | | |

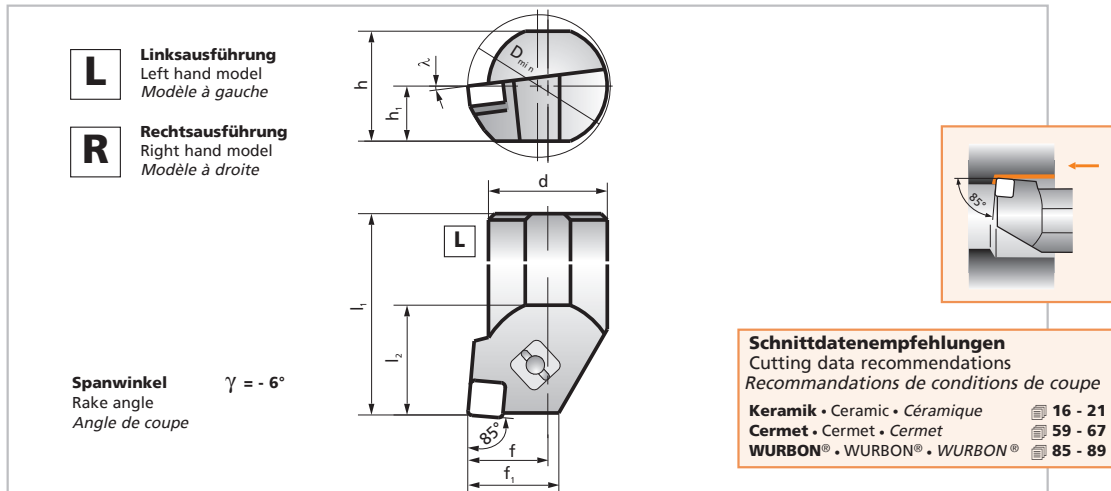
IKS-Ausdrehwerkzeuge

IKS Boring tools

Porte-outils IKS pour l'alésage

S40T - CSYN

S40T - PSYN

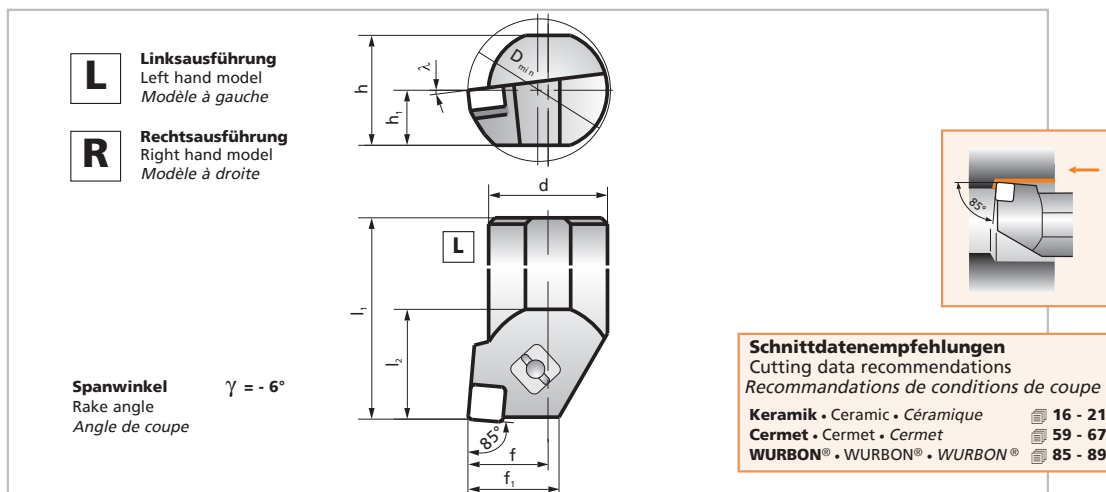


| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|-----------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| SN .. 12 | Ø 40 | 40 | 18,5 | 300 | 67 | 27 | 33 | 37 | -12° | 70 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|---------------------------|---|--|--|--|
| SN . N 12 04 .. | S 40 T - CSYN L 12 - IC 4 | 751.04.006.04 | | | |
| | S 40 T - CSYN R 12 - IC 4 | 751.03.006.04 | | | |
| | S 40 T - CSYN L 12 - ID 4 | 751.04.006.02 | | | |
| | S 40 T - CSYN R 12 - ID 4 | 751.03.006.02 | | | |
| SN . N 12 07 .. | S 40 T - CSYN L 12 - IC 7 | 751.04.006.03 | | | |
| | S 40 T - CSYN R 12 - IC 7 | 751.03.006.03 | | | |
| | S 40 T - CSYN L 12 - ID 7 | 751.04.006.01 | | | |
| | S 40 T - CSYN R 12 - ID 7 | 751.03.006.01 | | | |
| IKS - PRO SN . X 12 04 .. | S 40 T - CSYN L 12 - IK 4 | 751.04.006.29 | | | |
| | S 40 T - CSYN R 12 - IK 4 | 751.03.006.29 | | | |
| SN . X 12 07 .. | S 40 T - CSYN L 12 - IK 7 | 751.04.006.25 | | | |
| | S 40 T - CSYN R 12 - IK 7 | 751.03.006.25 | | | |
| SN . X 12 07 .. | S 40 T - CSYN L 12 - IX 7 | 751.04.006.05 | | | |
| | S 40 T - CSYN R 12 - IX 7 | 751.03.006.05 | | | |
| SN . A 12 04 .. | S 40 T - PSYN L 12 - IP 4 | 751.04.006.08 | | | |
| | S 40 T - PSYN R 12 - IP 4 | 751.03.006.08 | | | |

IKS-Ausdrehwerkzeuge IKS Boring tools Porte-outils IKS pour l'alésage

S50U - CSYN
S50U - PSYN

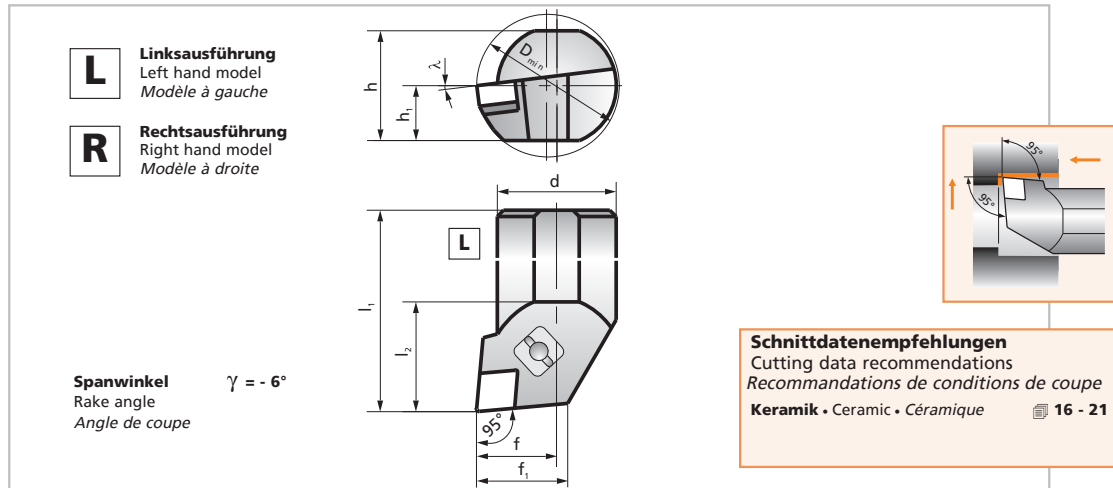


| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|-----------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| SN .. 12 | Ø 50 | 50 | 23,5 | 350 | 67 | 35 | 41 | 47 | -12° | 70 |




| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|---------------------------|---|--|--|--|
| SN . N 12 04 .. | S 50 U - CSYN L 12 - IC 4 | 751.04.007.04 | 70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0 | 70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 | |
| | S 50 U - CSYN R 12 - IC 4 | 751.03.007.04 | | | |
| | S 50 U - CSYN L 12 - ID 4 | 751.04.007.02 | | | |
| | S 50 U - CSYN R 12 - ID 4 | 751.03.007.02 | | | |
| SN . N 12 07 .. | S 50 U - CSYN L 12 - IC 7 | 751.04.007.03 | 70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0 | 70.91.22.010.0 70.91.22.010.0 70.91.22.010.0 70.91.22.010.0 | |
| | S 50 U - CSYN R 12 - IC 7 | 751.03.007.03 | | | |
| | S 50 U - CSYN L 12 - ID 7 | 751.04.007.01 | | | |
| | S 50 U - CSYN R 12 - ID 7 | 751.03.007.01 | | | |
| IKS - PRO SN . X 12 04 .. | S 50 U - CSYN L 12 - IK 4 | 751.04.007.29 | 70.91.11.718.6 70.91.11.718.6 | 70.91.22.011.0 70.91.22.011.0 | |
| | S 50 U - CSYN R 12 - IK 4 | 751.03.007.29 | | | |
| SN . X 12 07 .. | S 50 U - CSYN L 12 - IK 7 | 751.04.007.25 | 70.91.11.718.6 70.91.11.718.6 | 70.91.22.010.0 70.91.22.010.0 | |
| | S 50 U - CSYN R 12 - IK 7 | 751.03.007.25 | | | |
| SN . X 12 07 .. | S 50 U - CSYN L 12 - IX 7 | 751.04.007.05 | 70.91.11.316.0 70.91.11.316.0 | 70.91.22.010.0 70.91.22.010.0 | |
| | S 50 U - CSYN R 12 - IX 7 | 751.03.007.05 | | | |
| SN . A 12 04 .. | S 50 U - PSYN L 12 - IP 4 | 751.04.007.08 | 70.91.15.005.0 70.91.15.005.0 | 70.91.26.007.6 70.91.26.007.6 | |
| | S 50 U - PSYN R 12 - IP 4 | 751.03.007.08 | | | |

Ausdrehwerkzeuge
Boring tools
Porte-outils pour l'alésage

CCLN □ 40
CCLN □ 50



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| CN . X 12 | Ø 40 | 40 | 18,5 | 300 | 35 | 27 | 33 | 37 | -12° | 50 |
| CN . X 12 | Ø 50 | 50 | 23,5 | 350 | 35 | 32 | 38 | 47 | -12° | 63 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|---|-----------------------|---|---|---|--|
|  | CCLN L 00 40 T 12 - X | 750.24.018.05 |  70.91.11.241.0 70.91.11.241.0 |  70.91.53.275.0 70.91.53.275.0 | |
| | CCLN R 00 40 T 12 - X | 750.23.018.05 | | | |
| | CCLN L 00 50 U 12 - X | 750.24.019.05 | 70.91.11.241.0 | | |
| | CCLN R 00 50 U 12 - X | 750.23.019.05 | 70.91.11.241.0 | | |

CSKN □ 40
CSKN □ 50

Ausdrehwerkzeuge
Boring tools
Porte-outils pour l'alésage

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe
Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK insert Plaquette SPK | Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|----------------|--|----------------|----------------|----------------|----|----------------|----|---------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| SN . N 12 | Ø 40 | 40 | 18,5 | 300 | 26 | 27 | 33 | 37 | -10°30' | 50 |
| SN . N 12 | Ø 50 | 50 | 23,5 | 350 | 36 | 35 | 41 | 47 | -8° | 63 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------|---|--|----------------|----------------|
| | | | | | |
| SN . N 12 07 .. | CSKN L 00 40 T 12 | 750.04.001.05 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.049.0 | 70.91.53.064.0 |
| | CSKN R 00 40 T 12 | 750.03.001.05 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.050.0 | 70.91.53.064.0 |
| | CSKN L 00 50 U 12 | 750.04.002.05 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.049.0 | 70.91.53.064.0 |
| | CSKN R 00 50 U 12 | 750.03.002.05 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.050.0 | 70.91.53.064.0 |

** Spannelement für kurzspanende Werkstoffe
Clamp element for short chips materials
Élément de serrage pour matériaux à copeaux courts

Ausdrehwerkzeuge

Boring tools

Porte-outils pour l'alésage

CSSN □ 40

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel
Rake angle
Angle de coupe

$\gamma = -6^\circ$

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe

Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | a | D _{min} |
| SN . N 12 | Ø 40 | 40 | 18,5 | 300 | 505 | 27 | 33 | 37 | -12° | 8,32 | 50 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|------------------------------|---|--|----------------|----------------|
| | | | | | |
| SN . N 12 07 .. | CSSN L 00 40 T 12 - P | 750.04.024.05 | 70.91.11.229.0 | 70.91.00.048.0 | 70.91.53.064.0 |
| | CSSN R 00 40 T 12 - P | 750.03.024.05 | 70.91.11.230.0** | 70.91.00.048.0 | 70.91.53.064.0 |
| | | | 70.91.11.229.0 | 70.91.00.048.0 | 70.91.53.064.0 |
| | | | 70.91.11.230.0** | | |

**** Spannelement für kurzspanende Werkstoffe**
Clamp element for short chips materials
Élément de serrage pour matériaux à copeaux courts

CSXN □ 40
CSXN □ 50

Ausdrehwerkzeuge
Boring tools
Porte-outils pour l'alésage

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe
Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|------|------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | a | D _{min} |
| SN . N 12 | Ø 40 | 40 | 18,5 | 300 | 40 | 20 | 30 | 37 | -13° | 1,03 | 50 |
| SN . N 12 | Ø 50 | 50 | 23,5 | 350 | 45 | 25 | 35 | 47 | -10° | 1,03 | 63 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|------------------------------|---|--|----------------|----------------|
| | | | | | |
| | CSXN L 00 40 T 12 - P | 750.04.013.05 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.048.0 | 70.91.53.064.0 |
| | CSXN R 00 40 T 12 - P | 750.03.013.05 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.048.0 | 70.91.53.064.0 |
| | CSXN L 00 50 U 12 - P | 750.04.014.05 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.048.0 | 70.91.53.064.0 |
| | CSXN R 00 50 U 12 - P | 750.03.014.05 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.048.0 | 70.91.53.064.0 |

** Spannelement für kurzspanende Werkstoffe
Clamp element for short chips materials
Élément de serrage pour matériaux à copeaux courts

IKS-Ausdrehwerkzeuge positiv
 IKS-Boring tools positive
 Porte-outils IKS positifs pour l'alésage

S40T - CCLC
 S50U - CCLC

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -0^\circ$
 Rake angle
 Angle de coupe

Schnittdatenempfehlungen
 Cutting data recommendations
 Recommandations de conditions de coupe
Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK insert Plaquette SPK | Typ | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|------|--|----------------|----------------|----------------|----|----------------|----|----|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| CC . . 12 ... | Ø 40 | 40 | 18,5 | 300 | 35 | 27 | 33 | 37 | 0° | 50 |
| CC . . 12 ... | Ø 50 | 50 | 23,5 | 350 | 38 | 32 | 38 | 47 | 0° | 63 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|---------------------------|---|--|--|--|
| | S 40 T - CCLC L 12 - IC 4 | 751.28.002.04 | | | |
| | S 40 T - CCLC R 12 - IC 4 | 751.27.002.04 | | | |
| | S 50 U - CCLC L 12 - IC 4 | 751.28.003.04 | | | |
| | S 50 U - CCLC R 12 - IC 4 | 751.27.003.04 | | | |
| | S 40 T - CCLC L 12 - ID 4 | 751.28.002.02 | | | |
| | S 40 T - CCLC R 12 - ID 4 | 751.27.002.02 | | | |
| | S 50 U - CCLC L 12 - ID 4 | 751.28.003.02 | | | |
| | S 50 U - CCLC R 12 - ID 4 | 751.27.003.02 | | | |
| | S 40 T - CCLC L 12 - IX 6 | 751.28.002.05 | | | |
| | S 40 T - CCLC R 12 - IX 6 | 751.27.002.05 | | | |
| | S 50 U - CCLC L 12 - IX 6 | 751.28.003.05 | | | |
| | S 50 U - CCLC R 12 - IX 6 | 751.27.003.05 | | | |

CSKC □ 32

IKS-Ausdrehwerkzeuge positiv
IKS-Boring tools positive
Porte-outils IKS positifs pour l'alésage

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = 0^\circ$
 Rake angle
Angle de coupe

Schnittdatenempfehlungen
 Cutting data recommendations
Recommandations de conditions de coupe
Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK insert <i>Plaquette SPK</i> | Schaft Shank <i>Corps</i> | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|---|---------------------------------|--|----------------|----------------|----------------|----|----------------|----|--------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| SC . . 12 . . . | Ø 32 | 32 | 15 | 250 | 22,5 | 22 | 26 | 30 | -6°30' | 40 |

| SPK-Schneidplatte SPK Insert <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • Pièces de rechange | | |
|---|-------------------------|--|--|----------------|----------------|
| SC . N 12 04 .. | CSKCL 00 32 S 12 | 750.08.001.03 | | | |
| | CSKCR 00 32 S 12 | 750.07.001.03 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.048.0 | 70.91.53.060.0 |

**** Spannelement für kurzspanende Werkstoffe**
 Clamp element for short chips materials
Élément de serrage pour matériaux à copeaux courts

Ausdrehwerkzeuge positiv
 Boring tools positive
 Porte-outils positifs pour l'alésage

CSKP □ 25

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = +5^\circ$
 Rake angle
 Angle de coupe

Schnittdatenempfehlungen
 Cutting data recommendations
 Recommandations de conditions de coupe
Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|----|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| SP... 12 ... | Ø 25 | 25 | 11,5 | 200 | 15 | 17 | 20 | 23 | 0° | 32 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|--------------------------------------|--|
| | | | | | |
| SP . N 12 03 .. | CSKPL 00 25 R 12 CSKPR 00 25 R 12 | 750.02.001.02 750.01.001.02 | 70.91.11.230.0 70.91.11.230.0 | 70.91.00.094.0 70.91.00.094.0 | |

CTUC □ 32

Ausdrehwerkzeuge positiv
Boring tools positive
Porte-outils positifs pour l'alésage

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = 0^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe
Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|--------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| TC . N 16 | Ø 32 | 32 | 15 | 250 | 27 | 22 | 26 | 30 | -6°30' | 40 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|--|----------------|----------------|
| | | | | | |
| TC . N 16 04 .. | CTUCL 00 32 S 16 | 750.18.001.03 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.049.0 | 70.91.53.131.0 |
| | CTUCR 00 32 S 16 | 750.17.001.03 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.050.0 | 70.91.53.131.0 |

** Spannelement für kurzspanende Werkstoffe
Clamp element for short chips materials
Élément de serrage pour matériaux à copeaux courts

Ausdrehwerkzeuge positiv
 Boring tools positive
 Porte-outils positifs pour l'alésage

CTUP □ 25

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = +5^\circ$
 Rake angle
 Angle de coupe

Schnittdatenempfehlungen
 Cutting data recommendations
 Recommendations de conditions de coupe
Keramik • Ceramic • Céramique 16 - 21

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|----|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | f ₁ | h | λ | D _{min} |
| TP . N 16 | Ø 25 | 25 | 11,5 | 200 | 20 | 17 | 20 | 23 | 0° | 32 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------------------------|--|
| TP . N 16 03 .. | CTUP L 00 25 R 16 CTUP R 00 25 R 16 | 750.12.001.02 750.11.001.02 | | | |
| | | | 70.91.11.230.0 70.91.11.230.0 | 70.91.00.092.0 70.91.00.092.0 | |

Kurzklemmhalter
Cartridges
Cartouches



Bezeichnungssystem für Kurzklemmhalter nach ISO 5608

Designation system for cartridges ISO 5608
Système de dénomination ISO 5608 pour cartouches

C



Von oben geklemmt
Top clamping
Fixation par bride

P



Über Bohrung geklemmt
Hole clamping
Fixation par goupille


**Schneidplatten-
befestigung**
Insert clamping
Fixation de plaquette

| | | | | |
|--------------|--------------|--------------|----------------|-----------------|
| B 75° | D 45° | F 90° | G 90° | H 107.5° |
| J 93° | K 75° | L 95° | N 63° | Q 107.5° |
| R 75° | S 45° | U 93° | V 72.5° | Y 85° |


X Sonderform • Special style • *Forme spéciale*

Halteform
Tool style
Forme du porte-outil


R



L



N



Schneidrichtung
Cutting direction
Direction de coupe

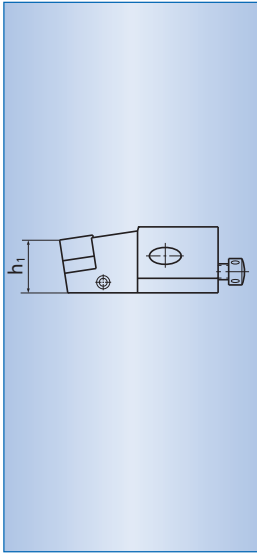
C **S** **R** **N** **L**

Plattenform
Insert shape
Forme de plaquette

| | |
|--------------|-----------------|
| C 80° | D 55° |
| E 75° | R Circle |
| S 90° | T 60° |
| V 35° | |

Normal-Freiwinkel der Schneidplatte
Insert normal clearance
Angle de dépouille

| |
|--------------|
| N 0° |
| B 5° |
| C 7° |
| P 11° |



Werkzeughöhe
Tool height
Hauteur d'outil

| Inkreis Inscribed circle Cercle inscrit | Square | | Triangular | | Hexagonal | |
|---|-----------|-----------------|-----------------|-----------------|-----------------|---|
| | d | d | d | d | d | d |
| d mm | S | T 60° | C 80° | E 75° | D 55° | |
| 9,52 | | 16 | | | | |
| 12,70 | 12 | | 12 | 13 | 15 | |
| 15,88 | 15 | | | | | |

Plattengröße
Insert size
Grandeur de la plaquette

| Kennzahl Index Code | S mm |
|---------------------------|---------|
| | |
| 4 | 4,76 |
| 6 | 6,35 |
| 7 | 7,94 |

Plattendicke
Insert thickness
Epaisseur de la plaquette

20 CA - 12 ID 7

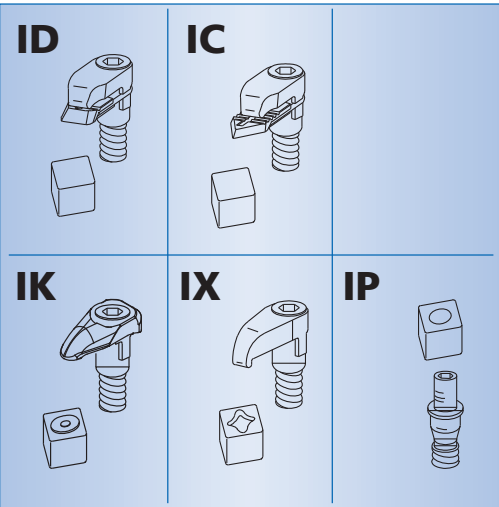
Haltertyp
Tool typ
Type d'outil

1. Stelle: C = Einbauhalter
2. Stelle: A = ISO 5611

1st position: C = Cartridge
2nd position: A = ISO 5611

1ère position: C = Cartouche
2ème position: A = ISO 5611

Klemmart
Clamping system
Système de serrage

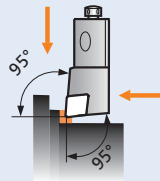
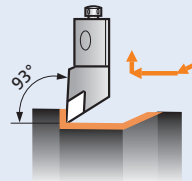
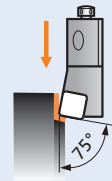
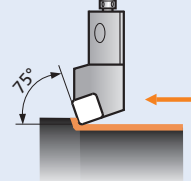
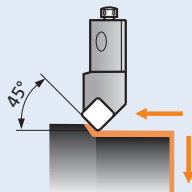
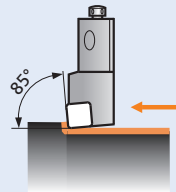
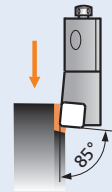




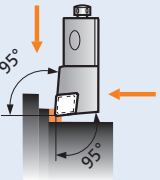
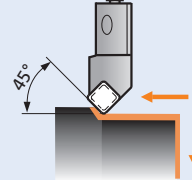
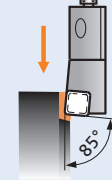
Inhaltsverzeichnis IKS-Kurzklemmhalter
 Contents IKS Cartridges
 Table des matières cartouches IKS



IKS-Kurzklemmhalter • IKS Cartridges • *Cartouches IKS*

| | | | |
|---|---|---|--|
| <p>CCLN L / R 16 CA CCLN L / R 20 CA</p>  | <p>CDJN L / R 16 CA CDJN L / R 20 CA</p>  | <p>CSKN L / R 16 CA CSKN L / R 20 CA</p>  | <p>CSRN L / R 16 CA CSRN L / R 20 CA</p>  |
| <p>Seite • Page 102</p> | <p>Seite • Page 103</p> | <p>Seite • Page 104</p> | <p>Seite • Page 105</p> |
| <p>CSSN L / R 16 CA CSSN L / R 20 CA</p>  | <p>CSXN L / R 16 CA CSXN L / R 20 CA</p>  | <p>CSYN L / R 16 CA CSYN L / R 20 CA</p>  | |
| <p>Seite • Page 106</p> | <p>Seite • Page 107</p> | <p>Seite • Page 108</p> | |

IKS-Kurzklemmhalter positiv • IKS Cartridges positive • *Cartouches IKS positives*

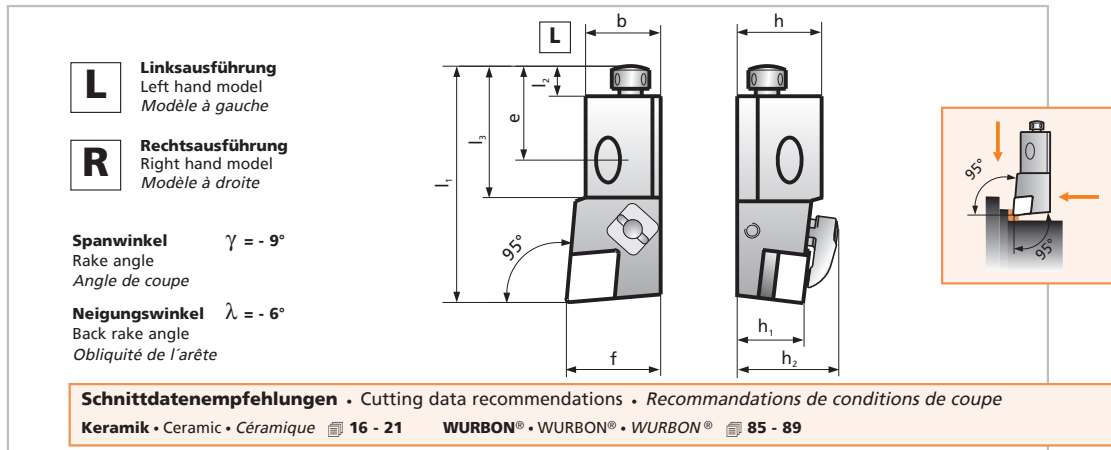
| | | | |
|--|--|--|--|
| <p>CCLC L / R 20 CA</p>  | <p>CSSC L / R 20 CA</p>  | <p>CSYC L / R 20 CA</p>  | |
| <p>Seite • Page 109</p> | <p>Seite • Page 110</p> | <p>Seite • Page 111</p> | |

IKS-Kurzklemmhalter

IKS Cartridges

Cartouches IKS

CCLN □ 16CA
CCLN □ 20CA

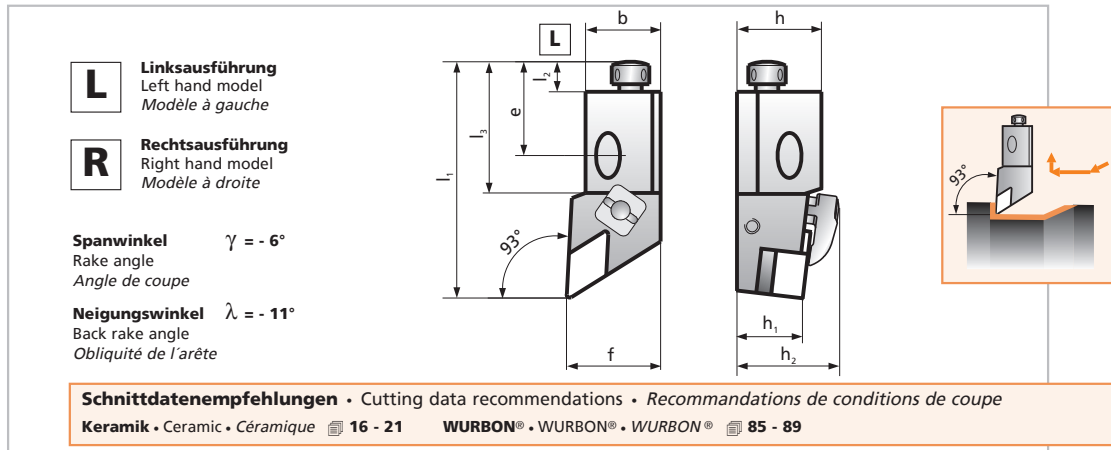


| SPK-Schneidplatte SPK insert Plaquette SPK | Shaft Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | |
|--|----------------|--|----|----|----|----------------|----------------|----------------|----------------|----|------------------|
| | | h ₁ | f | h | b | l ₁ | l ₂ | l ₃ | h ₂ | e | D _{min} |
| CN .. 12 | 16 CA | 16 | 25 | 25 | 20 | 63 | 8 | 34 | 32 | 25 | 60 |
| | 20 CA | 20 | 25 | 25 | 20 | 70 | 10 | 41 | 36 | 30 | 70 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|--|----------------|----------------|
| | | | | | |
| CN . N 1204 .. | CCLN L 16 CA -12 - IC 4 | 751.24.307.04 | 70.91.15.026.0 | 70.91.22.069.1 | 70.91.50.260.0 |
| | CCLN R 16 CA -12 - IC 4 | 751.23.307.04 | 70.91.15.026.0 | 70.91.22.069.1 | 70.91.50.260.0 |
| | CCLN L 20 CA -12 - IC 4 | 751.24.305.04 | 70.91.15.026.0 | 70.91.22.015.1 | 70.91.50.260.0 |
| | CCLN R 20 CA -12 - IC 4 | 751.23.305.04 | 70.91.15.026.0 | 70.91.22.015.1 | 70.91.50.260.0 |
| | CCLN L 16 CA -12 - ID 4 | 751.24.307.02 | 70.91.15.029.0 | 70.91.22.069.1 | 70.91.50.260.0 |
| | CCLN R 16 CA -12 - ID 4 | 751.23.307.02 | 70.91.15.029.0 | 70.91.22.069.1 | 70.91.50.260.0 |
| | CCLN L 20 CA -12 - ID 4 | 751.24.305.02 | 70.91.15.029.0 | 70.91.22.015.1 | 70.91.50.260.0 |
| CN . N 1207 .. | CCLN L 16 CA -12 - IC 7 | 751.24.307.03 | 70.91.15.026.0 | | |
| | CCLN R 16 CA -12 - IC 7 | 751.23.307.03 | 70.91.15.026.0 | | |
| | CCLN L 20 CA -12 - IC 7 | 751.24.305.03 | 70.91.15.026.0 | 70.91.22.014.1 | 70.91.50.260.0 |
| | CCLN R 20 CA -12 - IC 7 | 751.23.305.03 | 70.91.15.026.0 | 70.91.22.014.1 | 70.91.50.260.0 |
| | CCLN L 16 CA -12 - ID 7 | 751.24.307.01 | 70.91.15.029.0 | | |
| | CCLN R 16 CA -12 - ID 7 | 751.23.307.01 | 70.91.15.029.0 | | |
| | CCLN L 20 CA -12 - ID 7 | 751.24.305.01 | 70.91.15.029.0 | 70.91.22.014.1 | 70.91.50.260.0 |
| IKS - PRO CN . X 1204 .. CN . X 1207 .. | CCLN L 16 CA -12 - IK 4 | 751.24.307.29 | 70.91.13.716.6 | 70.91.22.069.1 | 70.91.50.260.0 |
| | CCLN R 16 CA -12 - IK 4 | 751.23.307.29 | 70.91.13.716.6 | 70.91.22.069.1 | 70.91.50.260.0 |
| | CCLN L 20 CA -12 - IK 4 | 751.24.305.29 | 70.91.13.716.6 | 70.91.22.015.1 | 70.91.50.260.0 |
| | CCLN R 20 CA -12 - IK 4 | 751.23.305.29 | 70.91.13.716.6 | 70.91.22.015.1 | 70.91.50.260.0 |
| | CCLN L 16 CA -12 - IK 7 | 751.24.307.25 | 70.91.13.716.6 | | |
| | CCLN R 16 CA -12 - IK 7 | 751.23.307.25 | 70.91.13.716.6 | | |
| | CCLN L 20 CA -12 - IK 7 | 751.24.305.25 | 70.91.13.716.6 | 70.91.22.014.1 | 70.91.50.260.0 |
| CN . X 1207 .. | CCLN R 20 CA -12 - IK 7 | 751.23.305.25 | 70.91.13.716.6 | 70.91.22.014.1 | 70.91.50.260.0 |
| | CCLN L 16 CA -12 - IX 7 | 751.24.307.05 | 70.91.13.316.0 | | |
| | CCLN R 16 CA -12 - IX 7 | 751.23.307.05 | 70.91.13.316.0 | | |
| | CCLN L 20 CA -12 - IX 7 | 751.24.305.05 | 70.91.13.316.0 | 70.91.22.014.1 | 70.91.50.260.0 |
| CCLN R 20 CA -12 - IX 7 | 751.23.305.05 | 70.91.13.316.0 | 70.91.22.014.1 | 70.91.50.260.0 | |

CDJN □ 16CA
CDJN □ 20CA

IKS-Kurzklemmhalter
IKS Cartridges
Cartouches IKS



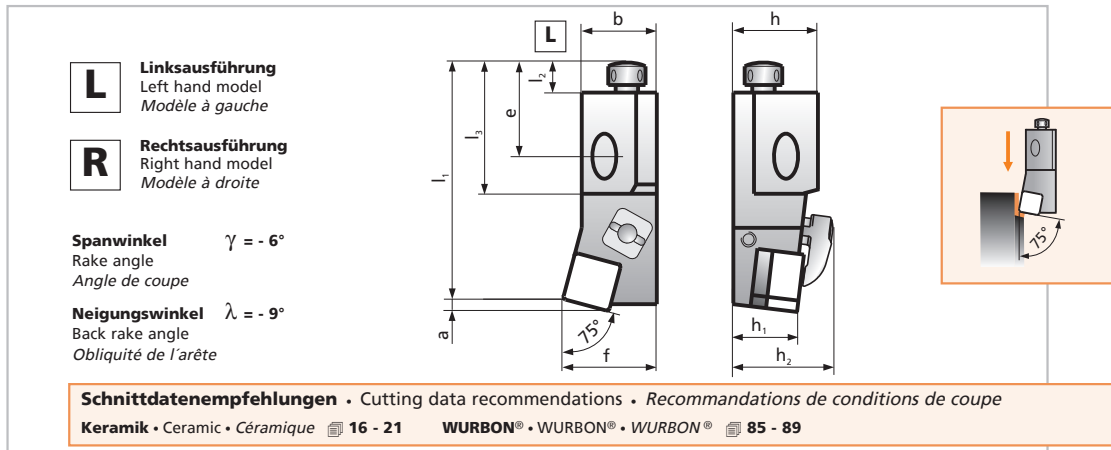
| SPK-Schneidplatte SPK insert Plaquette SPK | Shaft Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | |
|--|----------------|--|----|----|----|----------------|----------------|----------------|----------------|----|------------------|
| | | h ₁ | f | h | b | l ₁ | l ₂ | l ₃ | h ₂ | e | D _{min} |
| DN .. 12 | 16 CA | 16 | 25 | 25 | 20 | 63 | 8 | 33 | 32 | 25 | 130 |
| | 20 CA | 20 | 25 | 25 | 20 | 70 | 10 | 40 | 36 | 30 | 130 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|--|----------------|----------------|
| | | | | | |
| DN . N 1204 .. | CDJN L 16 CA -12 - IC 4 | 751.24.301.04 | 70.91.15.031.0 | 70.91.22.151.1 | 70.91.50.254.0 |
| | CDJN R 16 CA -12 - IC 4 | 751.23.301.04 | 70.91.15.030.0 | 70.91.22.151.1 | 70.91.50.254.0 |
| | CDJN L 20 CA -12 - IC 4 | 751.24.302.04 | 70.91.15.031.0 | 70.91.22.019.1 | 70.91.50.254.0 |
| | CDJN R 20 CA -12 - IC 4 | 751.23.302.04 | 70.91.15.030.0 | 70.91.22.019.1 | 70.91.50.254.0 |
| | CDJN L 16 CA -12 - ID 4 | 751.24.301.02 | 70.91.15.025.0 | 70.91.22.071.1 | 70.91.50.254.0 |
| | CDJN R 16 CA -12 - ID 4 | 751.23.301.02 | 70.91.15.025.0 | 70.91.22.071.1 | 70.91.50.254.0 |
| | CDJN L 20 CA -12 - ID 4 | 751.24.302.02 | 70.91.15.025.0 | 70.91.22.019.1 | 70.91.50.254.0 |
| | CDJN R 20 CA -12 - ID 4 | 751.23.302.02 | 70.91.15.025.0 | 70.91.22.019.1 | 70.91.50.254.0 |
| DN . N 1207 .. | CDJN L 16 CA -12 - IC 7 | 751.24.301.03 | 70.91.15.031.0 | | |
| | CDJN R 16 CA -12 - IC 7 | 751.23.301.03 | 70.91.15.030.0 | | |
| | CDJN L 20 CA -12 - IC 7 | 751.24.302.03 | 70.91.15.031.0 | 70.91.22.018.1 | 70.91.50.254.0 |
| | CDJN R 20 CA -12 - IC 7 | 751.23.302.03 | 70.91.15.030.0 | 70.91.22.018.1 | 70.91.50.254.0 |
| | CDJN L 16 CA -12 - ID 7 | 751.24.301.01 | 70.91.15.025.0 | | |
| | CDJN R 16 CA -12 - ID 7 | 751.23.301.01 | 70.91.15.025.0 | | |
| | CDJN L 20 CA -12 - ID 7 | 751.24.302.01 | 70.91.15.025.0 | 70.91.22.018.1 | 70.91.50.254.0 |
| | CDJN R 20 CA -12 - ID 7 | 751.23.302.01 | 70.91.15.025.0 | 70.91.22.018.1 | 70.91.50.254.0 |
| DN . X 1207 .. | CDJN L 16 CA -12 - IX 7 | 751.24.301.05 | 70.91.13.316.0 | | |
| | CDJN R 16 CA -12 - IX 7 | 751.23.301.05 | 70.91.13.316.0 | | |
| | CDJN L 20 CA -12 - IX 7 | 751.24.302.05 | 70.91.13.316.0 | 70.91.22.018.1 | 70.91.50.254.0 |
| | CDJN R 20 CA -12 - IX 7 | 751.23.302.05 | 70.91.13.316.0 | 70.91.22.018.1 | 70.91.50.254.0 |

IKS-Kurzklemmhalter

IKS Cartridges
Cartouches IKS

CSKN □ 16CA
CSKN □ 20CA

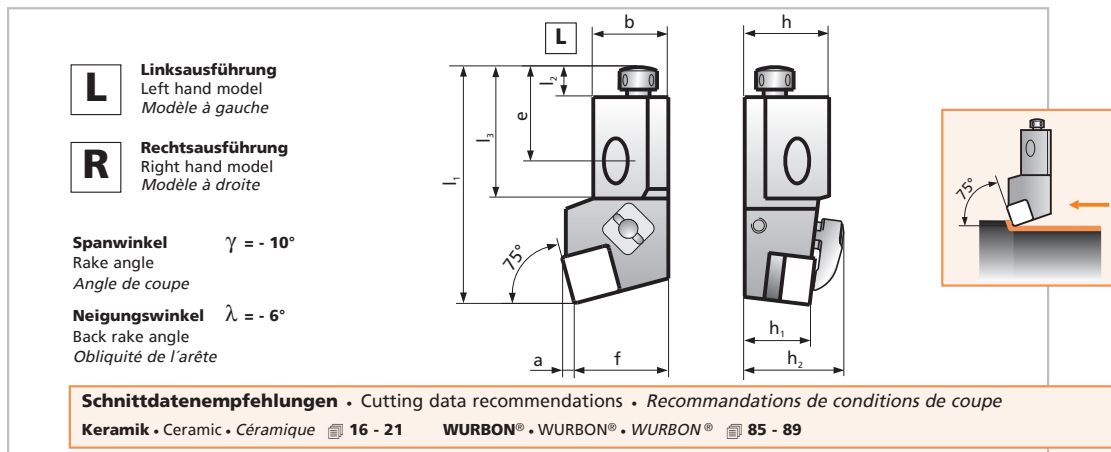


| SPK-Schneidplatte SPK insert Plaquette SPK | Shaft Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | | |
|--|----------------|--|----|----|----|----------------|----------------|----------------|----------------|----|------|------------------|
| | | h ₁ | f | h | b | l ₁ | l ₂ | l ₃ | h ₂ | e | a | D _{min} |
| SN .. 12 | 16 CA | 16 | 25 | 25 | 20 | 63 | 8 | 35 | 32 | 25 | 3,06 | 60 |
| | 20 CA | 20 | 25 | 25 | 20 | 70 | 10 | 42 | 36 | 30 | 3,06 | 70 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|--|----------------|----------------|
| | | | | | |
| SN . N 1204 .. | CSKN L 16 CA -12 - ID 4 | 751.04.310.02 | 70.91.15.029.0 | 70.91.22.072.1 | 70.91.50.260.0 |
| | CSKN R 16 CA -12 - ID 4 | 751.03.310.02 | 70.91.15.029.0 | 70.91.22.072.1 | 70.91.50.260.0 |
| | CSKN L 20 CA -12 - ID 4 | 751.04.309.02 | 70.91.15.029.0 | 70.91.22.011.1 | 70.91.50.260.0 |
| | CSKN R 20 CA -12 - ID 4 | 751.03.309.02 | 70.91.15.029.0 | 70.91.22.011.1 | 70.91.50.260.0 |
| SN . N 1207 .. | CSKN L 16 CA -12 - ID 7 | 751.04.310.01 | 70.91.15.029.0 | | 70.91.50.260.0 |
| | CSKN R 16 CA -12 - ID 7 | 751.03.310.01 | 70.91.15.029.0 | | 70.91.50.260.0 |
| | CSKN L 20 CA -12 - ID 7 | 751.04.309.01 | 70.91.15.029.0 | 70.91.22.010.1 | 70.91.50.260.0 |
| | CSKN R 20 CA -12 - ID 7 | 751.03.309.01 | 70.91.15.029.0 | 70.91.22.010.1 | 70.91.50.260.0 |
| IKS - PRO SN . X 1204 .. | CSKN L 16 CA -12 - IK 4 | 751.04.310.29 | 70.91.13.718.6 | 70.91.22.072.1 | 70.91.50.260.0 |
| | CSKN R 16 CA -12 - IK 4 | 751.03.310.29 | 70.91.13.718.6 | 70.91.22.072.1 | 70.91.50.260.0 |
| | CSKN L 20 CA -12 - IK 4 | 751.04.309.29 | 70.91.13.718.6 | 70.91.22.011.1 | 70.91.50.260.0 |
| | CSKN R 20 CA -12 - IK 4 | 751.03.309.29 | 70.91.13.718.6 | 70.91.22.011.1 | 70.91.50.260.0 |
| SN . X 1207 .. | CSKN L 16 CA -12 - IK 7 | 751.04.310.25 | 70.91.13.718.6 | | 70.91.50.260.0 |
| | CSKN R 16 CA -12 - IK 7 | 751.03.310.25 | 70.91.13.718.6 | | 70.91.50.260.0 |
| | CSKN L 20 CA -12 - IK 7 | 751.04.309.25 | 70.91.13.718.6 | 70.91.22.010.1 | 70.91.50.260.0 |
| | CSKN R 20 CA -12 - IK 7 | 751.03.309.25 | 70.91.13.718.6 | 70.91.22.010.1 | 70.91.50.260.0 |
| SN . X 1207 .. | CSKN L 16 CA -12 - IX 7 | 751.04.310.05 | 70.91.13.316.0 | | 70.91.50.260.0 |
| | CSKN R 16 CA -12 - IX 7 | 751.03.310.05 | 70.91.13.316.0 | | 70.91.50.260.0 |
| | CSKN L 20 CA -12 - IX 7 | 751.04.309.05 | 70.91.13.316.0 | 70.91.22.010.1 | 70.91.50.260.0 |
| | CSKN R 20 CA -12 - IX 7 | 751.03.309.05 | 70.91.13.316.0 | 70.91.22.010.1 | 70.91.50.260.0 |

CSRN □ 16CA
CSRN □ 20CA

IKS-Kurzklammhalter
IKS Cartridges
Cartouches IKS



| SPK-Schneidplatte SPK insert Plaquette SPK | Shaft Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | | |
|--|----------------|--|----|----|----|----------------|----------------|----------------|----------------|----|------|------------------|
| | | h ₁ | f | h | b | l ₁ | l ₂ | l ₃ | h ₂ | e | a | D _{min} |
| SN .. 12 | 16 CA | 16 | 25 | 25 | 20 | 63 | 8 | 33 | 32 | 25 | 3,06 | 60 |
| | 20 CA | 20 | 25 | 25 | 20 | 70 | 10 | 40 | 36 | 30 | 3,06 | 70 |

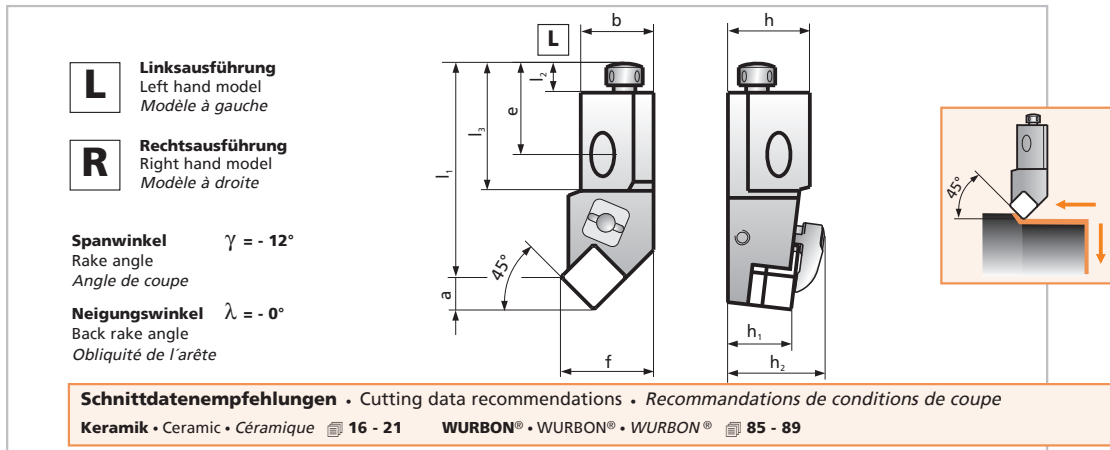
| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | | |
|--|-------------------------|---|--|----------------|----------------|----------------|
| | | | | | | |
| SN . N 1204 .. | CSRN L 16 CA -12 - IC 4 | 751.04.306.04 | 70.91.15.028.0 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | CSRN R 16 CA -12 - IC 4 | 751.03.306.04 | 70.91.15.027.0 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | CSRN L 20 CA -12 - IC 4 | 751.04.305.04 | 70.91.15.028.0 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | CSRN R 20 CA -12 - IC 4 | 751.03.305.04 | 70.91.15.027.0 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | CSRN L 16 CA -12 - ID 4 | 751.04.306.02 | 70.91.15.029.0 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | CSRN R 16 CA -12 - ID 4 | 751.03.306.02 | 70.91.15.029.0 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | CSRN L 20 CA -12 - ID 4 | 751.04.305.02 | 70.91.15.029.0 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | CSRN R 20 CA -12 - ID 4 | 751.03.305.02 | 70.91.15.029.0 | 70.91.22.011.1 | 70.91.50.260.0 | |
| SN . N 1207 .. | CSRN L 16 CA -12 - IC 7 | 751.04.306.03 | 70.91.15.028.0 | | | |
| | CSRN R 16 CA -12 - IC 7 | 751.03.306.03 | 70.91.15.027.0 | | | |
| | CSRN L 20 CA -12 - IC 7 | 751.04.305.03 | 70.91.15.028.0 | 70.91.22.010.1 | 70.91.50.260.0 | |
| | CSRN R 20 CA -12 - IC 7 | 751.03.305.03 | 70.91.15.027.0 | 70.91.22.010.1 | 70.91.50.260.0 | |
| | CSRN L 16 CA -12 - ID 7 | 751.04.306.01 | 70.91.15.029.0 | | | |
| | CSRN R 16 CA -12 - ID 7 | 751.03.306.01 | 70.91.15.029.0 | | | |
| | CSRN L 20 CA -12 - ID 7 | 751.04.305.01 | 70.91.15.029.0 | 70.91.22.010.1 | 70.91.50.260.0 | |
| | CSRN R 20 CA -12 - ID 7 | 751.03.305.01 | 70.91.15.029.0 | 70.91.22.010.1 | 70.91.50.260.0 | |
| IKS - PRO SN . X 1204 .. | CSRN L 16 CA -12 - IK 4 | 751.04.306.29 | 70.91.13.718.6 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | CSRN R 16 CA -12 - IK 4 | 751.03.306.29 | 70.91.13.718.6 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | CSRN L 20 CA -12 - IK 4 | 751.04.305.29 | 70.91.13.718.6 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | CSRN R 20 CA -12 - IK 4 | 751.03.305.29 | 70.91.13.718.6 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | SN . X 1207 .. | CSRN L 16 CA -12 - IK 7 | 751.04.306.25 | 70.91.13.718.6 | | |
| | | CSRN R 16 CA -12 - IK 7 | 751.03.306.25 | 70.91.13.718.6 | | |
| | | CSRN L 20 CA -12 - IK 7 | 751.04.305.25 | 70.91.13.718.6 | 70.91.22.010.1 | 70.91.50.260.0 |
| | | CSRN R 20 CA -12 - IK 7 | 751.03.305.25 | 70.91.13.718.6 | 70.91.22.010.1 | 70.91.50.260.0 |
| SN . X 1207 .. | CSRN L 16 CA -12 - IX 7 | 751.04.306.05 | 70.91.13.316.0 | | | |
| | CSRN R 16 CA -12 - IX 7 | 751.03.306.05 | 70.91.13.316.0 | | | |
| | CSRN L 20 CA -12 - IX 7 | 751.04.305.05 | 70.91.13.316.0 | 70.91.22.010.1 | 70.91.50.260.0 | |
| | CSRN R 20 CA -12 - IX 7 | 751.03.305.05 | 70.91.13.316.0 | 70.91.22.010.1 | 70.91.50.260.0 | |

IKS-Kurzklemmhalter









IKS Cartridges

Cartouches IKS

CSSN □ 16CA
CSSN □ 20CA

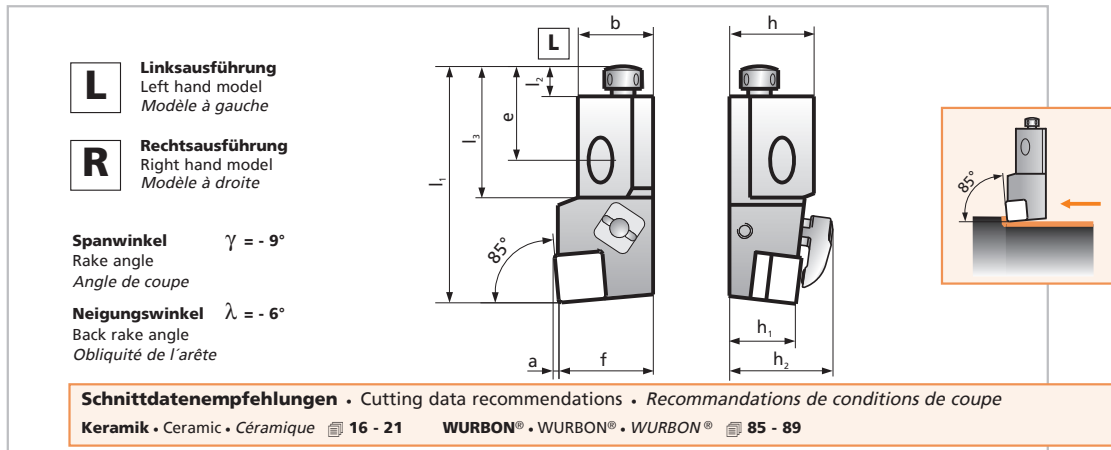


| SPK-Schneidplatte SPK insert Plaquette SPK | Shaft Shaft Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | | |
|--|-------------------------|--|----|----|----|----------------|----------------|----------------|----------------|----|------|------------------|
| | | h ₁ | f | h | b | l ₁ | l ₂ | l ₃ | h ₂ | e | a | D _{min} |
| SN .. 12 | 16 CA | 16 | 25 | 25 | 20 | 60 | 8 | 32,5 | 32 | 25 | 8,32 | 65 |
| | 20 CA | 20 | 25 | 25 | 20 | 67 | 10 | 41 | 36 | 30 | 8,32 | 75 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | | |
|---|---|---|---|---|---|----------------|
| | | |  |  |  | |
| SN . N 1204 ..  | CSSN L 16 CA -12 - IC 4 | 751.04.302.04 | 70.91.15.028.0 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | CSSN R 16 CA -12 - IC 4 | 751.03.302.04 | 70.91.15.027.0 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | CSSN L 20 CA -12 - IC 4 | 751.04.301.04 | 70.91.15.028.0 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | CSSN R 20 CA -12 - IC 4 | 751.03.301.04 | 70.91.15.027.0 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | CSSN L 16 CA -12 - ID 4 | 751.04.302.02 | 70.91.15.029.0 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | CSSN R 16 CA -12 - ID 4 | 751.03.302.02 | 70.91.15.029.0 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | CSSN L 20 CA -12 - ID 4 | 751.04.301.02 | 70.91.15.029.0 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | CSSN R 20 CA -12 - ID 4 | 751.03.301.02 | 70.91.15.029.0 | 70.91.22.011.1 | 70.91.50.260.0 | |
| SN . N 1207 ..  | CSSN L 16 CA -12 - IC 7 | 751.04.302.03 | 70.91.15.028.0 | | | |
| | CSSN R 16 CA -12 - IC 7 | 751.03.302.03 | 70.91.15.027.0 | | | |
| | CSSN L 20 CA -12 - IC 7 | 751.04.301.03 | 70.91.15.028.0 | 70.91.22.010.1 | 70.91.50.260.0 | |
| | CSSN R 20 CA -12 - IC 7 | 751.03.301.03 | 70.91.15.027.0 | 70.91.22.010.1 | 70.91.50.260.0 | |
| | CSSN L 16 CA -12 - ID 7 | 751.04.302.01 | 70.91.15.029.0 | | | |
| | CSSN R 16 CA -12 - ID 7 | 751.03.302.01 | 70.91.15.029.0 | | | |
| | CSSN L 20 CA -12 - ID 7 | 751.04.301.01 | 70.91.15.029.0 | 70.91.22.010.1 | 70.91.50.260.0 | |
| | CSSN R 20 CA -12 - ID 7 | 751.03.301.01 | 70.91.15.029.0 | 70.91.22.010.1 | 70.91.50.260.0 | |
| IKS - PRO SN . X 1204 ..  | CSSN L 16 CA -12 - IK 4 | 751.04.302.29 | 70.91.13.718.6 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | CSSN R 16 CA -12 - IK 4 | 751.03.302.29 | 70.91.13.718.6 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | CSSN L 20 CA -12 - IK 4 | 751.04.301.29 | 70.91.13.718.6 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | CSSN R 20 CA -12 - IK 4 | 751.03.301.29 | 70.91.13.718.6 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | SN . X 1207 ..  | CSSN L 16 CA -12 - IK 7 | 751.04.302.25 | 70.91.13.718.6 | | |
| | | CSSN R 16 CA -12 - IK 7 | 751.03.302.25 | 70.91.13.718.6 | | |
| | | CSSN L 20 CA -12 - IK 7 | 751.04.301.25 | 70.91.13.718.6 | 70.91.22.010.1 | 70.91.50.260.0 |
| | | CSSN R 20 CA -12 - IK 7 | 751.03.301.25 | 70.91.13.718.6 | 70.91.22.010.1 | 70.91.50.260.0 |
| SN . X 1207 ..  | CSSN L 16 CA -12 - IX 7 | 751.04.302.05 | 70.91.13.316.0 | | | |
| | CSSN R 16 CA -12 - IX 7 | 751.03.302.05 | 70.91.13.316.0 | | | |
| | CSSN L 20 CA -12 - IX 7 | 751.04.301.05 | 70.91.13.316.0 | 70.91.22.010.1 | 70.91.50.260.0 | |
| | CSSN R 20 CA -12 - IX 7 | 751.03.301.05 | 70.91.13.316.0 | 70.91.22.010.1 | 70.91.50.260.0 | |

CSXN □ 16CA
CSXN □ 20CA

IKS-Kurzklemmhalter
IKS Cartridges
Cartouches IKS



| SPK-Schneidplatte SPK insert Plaquette SPK | Shaft Shaft Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | | |
|--|-------------------------|--|----|----|----|----------------|----------------|----------------|----------------|----|------|------------------|
| | | h ₁ | f | h | b | l ₁ | l ₂ | l ₃ | h ₂ | e | a | D _{min} |
| SN .. 12 | 16 CA | 16 | 25 | 25 | 20 | 63 | 8 | 33 | 32 | 25 | 1,03 | 60 |
| | 20 CA | 20 | 25 | 25 | 20 | 70 | 10 | 40 | 36 | 30 | 1,03 | 70 |

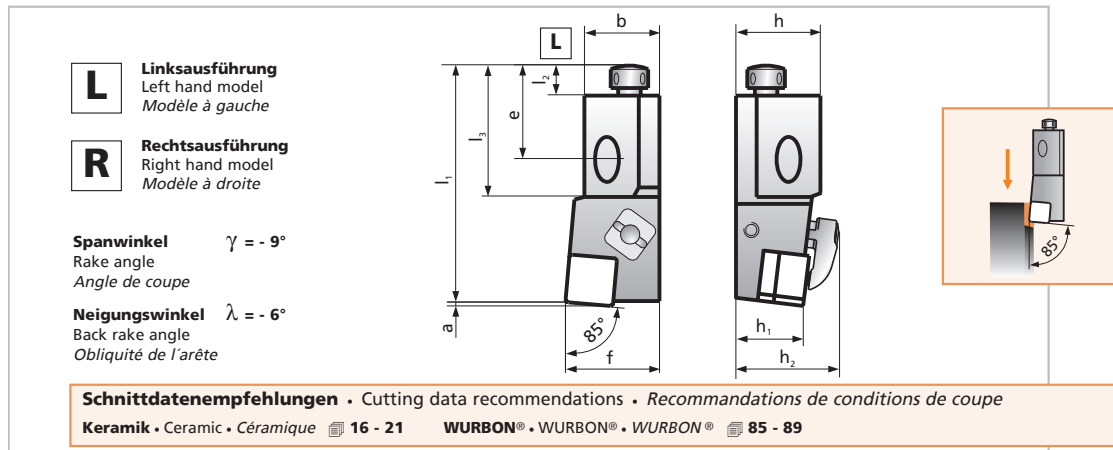
| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|-------------------------|---|--|----------------|----------------|
| | | | | | |
| SN . N 1204 .. | CSXN L 16 CA -12 - ID 4 | 751.04.304.02 | 70.91.15.029.0 | 70.91.22.072.1 | 70.91.50.260.0 |
| | CSXN R 16 CA -12 - ID 4 | 751.03.304.02 | 70.91.15.029.0 | 70.91.22.072.1 | 70.91.50.260.0 |
| | CSXN L 20 CA -12 - ID 4 | 751.04.303.02 | 70.91.15.029.0 | 70.91.22.011.1 | 70.91.50.260.0 |
| | CSXN R 20 CA -12 - ID 4 | 751.03.303.02 | 70.91.15.029.0 | 70.91.22.011.1 | 70.91.50.260.0 |
| SN . N 1207 .. | CSXN L 16 CA -12 - ID 7 | 751.04.304.01 | 70.91.15.029.0 | | |
| | CSXN R 16 CA -12 - ID 7 | 751.03.304.01 | 70.91.15.029.0 | | |
| | CSXN L 20 CA -12 - ID 7 | 751.04.303.01 | 70.91.15.029.0 | 70.91.22.010.1 | 70.91.50.260.0 |
| | CSXN R 20 CA -12 - ID 7 | 751.03.303.01 | 70.91.15.029.0 | 70.91.22.010.1 | 70.91.50.260.0 |
| IKS - PRO SN . X 1204 .. | CSXN L 16 CA -12 - IK 4 | 751.04.304.29 | 70.91.13.718.6 | 70.91.22.072.1 | 70.91.50.260.0 |
| | CSXN R 16 CA -12 - IK 4 | 751.03.304.29 | 70.91.13.718.6 | 70.91.22.072.1 | 70.91.50.260.0 |
| | CSXN L 20 CA -12 - IK 4 | 751.04.303.29 | 70.91.13.718.6 | 70.91.22.011.1 | 70.91.50.260.0 |
| | CSXN R 20 CA -12 - IK 4 | 751.03.303.29 | 70.91.13.718.6 | 70.91.22.011.1 | 70.91.50.260.0 |
| SN . X 1207 .. | CSXN L 16 CA -12 - IK 7 | 751.04.304.25 | 70.91.13.718.6 | | |
| | CSXN R 16 CA -12 - IK 7 | 751.03.304.25 | 70.91.13.718.6 | | |
| | CSXN L 20 CA -12 - IK 7 | 751.04.303.25 | 70.91.13.718.6 | 70.91.22.010.1 | 70.91.50.260.0 |
| | CSXN R 20 CA -12 - IK 7 | 751.03.303.25 | 70.91.13.718.6 | 70.91.22.010.1 | 70.91.50.260.0 |
| SN . X 1207 .. | CSXN L 16 CA -12 - IX 7 | 751.04.304.05 | 70.91.13.316.0 | | |
| | CSXN R 16 CA -12 - IX 7 | 751.03.304.05 | 70.91.13.316.0 | | |
| | CSXN L 20 CA -12 - IX 7 | 751.04.303.05 | 70.91.13.316.0 | 70.91.22.010.1 | 70.91.50.260.0 |
| | CSXN R 20 CA -12 - IX 7 | 751.03.303.05 | 70.91.13.316.0 | 70.91.22.010.1 | 70.91.50.260.0 |

IKS-Kurzklemmhalter









IKS Cartridges

Cartouches IKS

CSYN □ 16CA
CSYN □ 20CA



| SPK-Schneidplatte SPK insert Plaquette SPK | Shaft Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | | |
|--|----------------|--|----|----|----|----------------|----------------|----------------|----------------|----|------|------------------|
| | | h ₁ | f | h | b | l ₁ | l ₂ | l ₃ | h ₂ | e | a | D _{min} |
| SN .. 12 | 16 CA | 16 | 25 | 25 | 20 | 63 | 8 | 35 | 32 | 25 | 1,03 | 60 |
| | 20 CA | 20 | 25 | 25 | 20 | 70 | 10 | 42 | 36 | 30 | 1,03 | 70 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|---|-------------------------|---|---|---|---|
| | | |  |  |  |
|  SN . N 1204 .. | CSYN L 16 CA -12 - ID 4 | 751.04.308.02 | 70.91.15.029.0 | 70.91.22.072.1 | 70.91.50.260.0 |
| | CSYN R 16 CA -12 - ID 4 | 751.03.308.02 | 70.91.15.029.0 | 70.91.22.072.1 | 70.91.50.260.0 |
| | CSYN L 20 CA -12 - ID 4 | 751.04.307.02 | 70.91.15.029.0 | 70.91.22.011.1 | 70.91.50.260.0 |
| | CSYN R 20 CA -12 - ID 4 | 751.03.307.02 | 70.91.15.029.0 | 70.91.22.011.1 | 70.91.50.260.0 |
|  SN . N 1207 .. | CSYN L 16 CA -12 - ID 7 | 751.04.308.01 | 70.91.15.029.0 | | |
| | CSYN R 16 CA -12 - ID 7 | 751.03.308.01 | 70.91.15.029.0 | | |
| | CSYN L 20 CA -12 - ID 7 | 751.04.307.01 | 70.91.15.029.0 | 70.91.22.010.1 | 70.91.50.260.0 |
| | CSYN R 20 CA -12 - ID 7 | 751.03.307.01 | 70.91.15.029.0 | 70.91.22.010.1 | 70.91.50.260.0 |
| IKS - PRO  SN . X 1204 .. | CSYN L 16 CA -12 - IK 4 | 751.04.308.29 | 70.91.13.718.6 | 70.91.22.072.1 | 70.91.50.260.0 |
| | CSYN R 16 CA -12 - IK 4 | 751.03.308.29 | 70.91.13.718.6 | 70.91.22.072.1 | 70.91.50.260.0 |
| | CSYN L 20 CA -12 - IK 4 | 751.04.307.29 | 70.91.13.718.6 | 70.91.22.011.1 | 70.91.50.260.0 |
| | CSYN R 20 CA -12 - IK 4 | 751.03.307.29 | 70.91.13.718.6 | 70.91.22.011.1 | 70.91.50.260.0 |
|  SN . X 1207 .. | CSYN L 16 CA -12 - IK 7 | 751.04.308.25 | 70.91.13.718.6 | | |
| | CSYN R 16 CA -12 - IK 7 | 751.03.308.25 | 70.91.13.718.6 | | |
| | CSYN L 20 CA -12 - IK 7 | 751.04.307.25 | 70.91.13.718.6 | 70.91.22.010.1 | 70.91.50.260.0 |
| | CSYN R 20 CA -12 - IK 7 | 751.03.307.25 | 70.91.13.718.6 | 70.91.22.010.1 | 70.91.50.260.0 |
|  SN . X 1207 .. | CSYN L 16 CA -12 - IX 7 | 751.04.308.05 | 70.91.13.316.0 | | |
| | CSYN R 16 CA -12 - IX 7 | 751.03.308.05 | 70.91.13.316.0 | | |
| | CSYN L 20 CA -12 - IX 7 | 751.04.307.05 | 70.91.13.316.0 | 70.91.22.010.1 | 70.91.50.260.0 |
| | CSYN R 20 CA -12 - IX 7 | 751.03.307.05 | 70.91.13.316.0 | 70.91.22.010.1 | 70.91.50.260.0 |

CCLC □ 20CA

IKS-Kurzklemmhalter positiv
 IKS Cartridges positive
 Cartouches positives IKS

L **Linksausführung**
Left hand model
Modèle à gauche

R **Rechtsausführung**
Right hand model
Modèle à droite

Spanwinkel $\gamma = 0^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • *Céramique* 16 - 21

| SPK-Schneidplatte SPK insert <i>Plaquette SPK</i> | Schaft Shaft <i>Corps</i> | Abmessungen • Dimensions • <i>Dimensions</i> (mm) | | | | | | | | | |
|---|---------------------------------|---|----|----|----|----------------|----------------|----------------|----------------|----|------------------|
| | | h ₁ | f | h | b | l ₁ | l ₂ | l ₃ | h ₂ | e | D _{min} |
| CC .. 12 | 20 CA | 20 | 25 | 25 | 20 | 70 | 10 | 35 | 32 | 30 | 60 |

| SPK-Schneidplatte SPK Insert <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | | |
|---|--|--|---|--------------------------------------|--|
| | | | | | |
| CC . X 1206 .. | CCLC L 20 CA -12 - IX 6 CCLC R 20 CA -12 - IX 6 | 751.28.301.05 751.27.301.05 | 70.91.13.316.0 70.91.13.316.0 | 70.91.22.138.0 70.91.22.138.0 | |

IKS-Kurzklemmhalter positiv
IKS Cartridges positive
Cartouches positives IKS

CSSC □ 20CA

L **Linksausführung**
Left hand model
Modèle à gauche

R **Rechtausführung**
Right hand model
Modèle à droite

Spanwinkel $\gamma = 0^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • *Céramique* 16 - 21

| SPK-Schneidplatte SPK insert <i>Plaquette SPK</i> | Schaft Shaft <i>Corps</i> | Abmessungen • Dimensions • <i>Dimensions</i> (mm) | | | | | | | | | | |
|---|---------------------------------|---|----|----|----|----------------|----------------|----------------|----------------|----|------|------------------|
| | | h ₁ | f | h | b | l ₁ | l ₂ | l ₃ | h ₂ | e | a | D _{min} |
| SC .. 12 | 20 CA | 20 | 25 | 25 | 20 | 67 | 10 | 41 | 32 | 30 | 8,32 | 75 |

| SPK-Schneidplatte SPK Insert <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | | |
|---|--|--|---|----------------------------------|----------------------------------|
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| | | | 70.91.13.317.0 70.91.13.317.0 | 70.91.00.001.0 70.91.00.001.0 | 70.91.22.144.0 70.91.22.144.0 |
| SC . X 1206 .. | CSSC L 20 CA -12 - IX 6 CSSC R 20 CA -12 - IX 6 | 751.08.306.05 751.07.306.05 | 70.91.13.316.0 70.91.13.316.0 | | 70.91.22.147.0 70.91.22.147.0 |
| | | | | | |

CSYC □ 20CA

IKS-Kurzklemmhalter positiv
 IKS Cartridges positive
 Cartouches positives IKS

L **Linksausführung**
Left hand model
Modèle à gauche

R **Rechtsausführung**
Right hand model
Modèle à droite

Spanwinkel $\gamma = 0^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

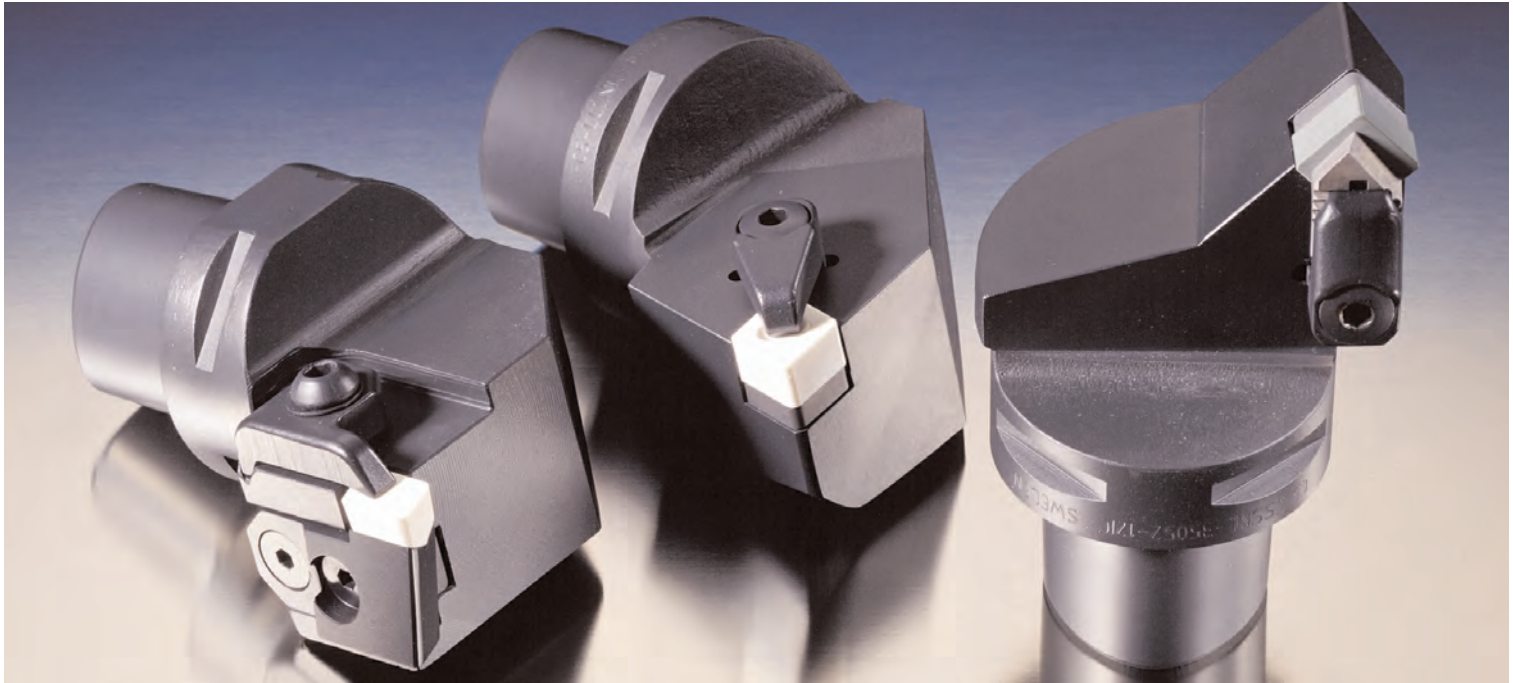
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • *Céramique* 16 - 21

| SPK-Schneidplatte SPK insert <i>Plaquette SPK</i> | Schaft Shaft <i>Corps</i> | Abmessungen • Dimensions • <i>Dimensions</i> (mm) | | | | | | | | | | |
|---|---------------------------------|---|----|----|----|----------------|----------------|----------------|----------------|----|------|------------------|
| | | h ₁ | f | h | b | l ₁ | l ₂ | l ₃ | h ₂ | e | a | D _{min} |
| SC . . 12 | 20 CA | 20 | 25 | 25 | 20 | 70 | 10 | 421 | 32 | 30 | 1,03 | 670 |

| SPK-Schneidplatte SPK Insert <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | | |
|---|--------------------------------|--|---|--|--|
| | CSYC L 20 CA -12 - ID 4 | 751.08.301.02 | | | |
| | CSYC R 20 CA -12 - ID 4 | 751.07.301.02 | | | |
| | CSYC L 20 CA -12 - IX 6 | 751.08.301.05 | | | |
| | CSYC R 20 CA -12 - IX 6 | 751.07.301.05 | | | |

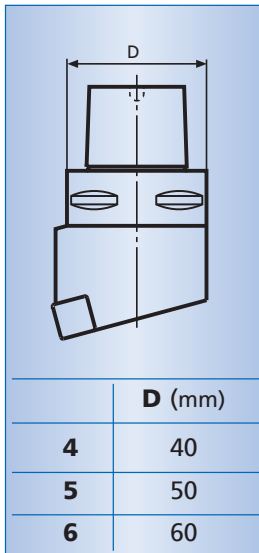


CMS-Schneidköpfe
CMS-Cutting heads
Têtes de coup CMS



Bezeichnungssystem für CMS-Schneidköpfe

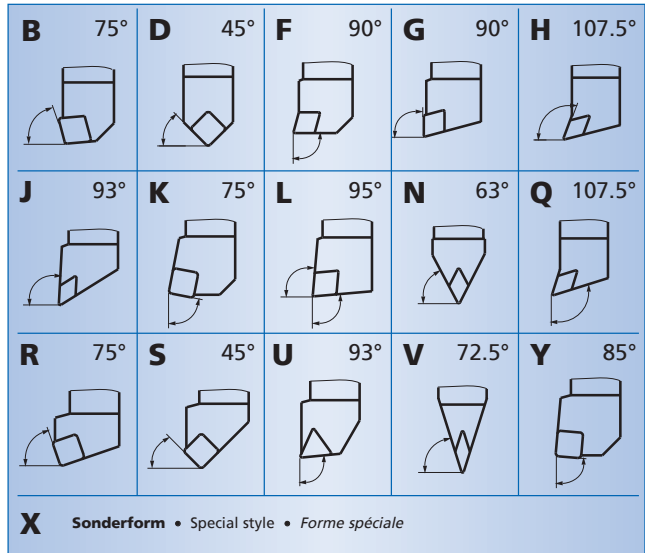
Designation system for CMS Cutting heads
Système de dénomination Têtes de coup CMS



CMS-Größe
CMS size
Gradeur CMS

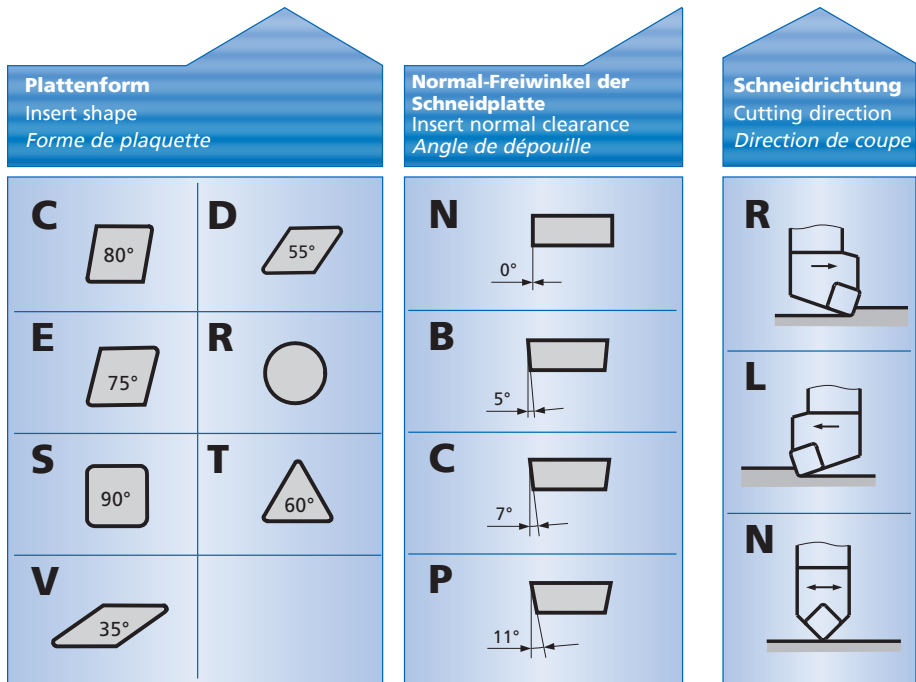


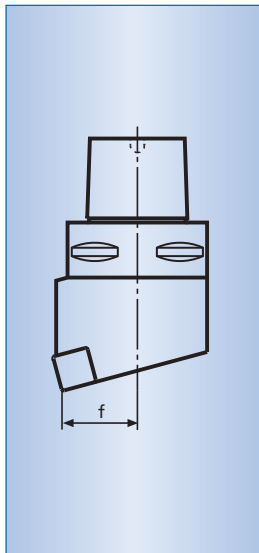
**Schneidplatten-
befestigung**
Insert clamping
Fixation de plaquette



Halterform
Tool style
Forme du porte-outil

CMS 5 - C C L N R





f - Maß
Dimension f
Dimension f

| d mm | Inkreis Inscribed circle Cercle inscrit | | T 60° | C 80° | E 75° | D 55° | V 35° | d mm | RB (Typ MO) |
|---------|---|-----------|-----------|-----------|-----------|-----------|----------|-----------|----------------|
| | R, S | d | | | | | | | |
| | | | | | | | | 6,0 | 06 |
| | | | | | | | | 7,0 | 07 |
| | | | | | | | | 8,0 | 08 |
| 9,52 | 09 | 16 | 09 | | 11 | 16 | 10,0 | 10 | |
| 12,70 | 12 | 22 | 12 | 13 | 15 | 22 | 12,0 | 12 | |
| 15,88 | 15 | | 16 | | | | 16,0 | 16 | |
| 19,05 | 19 | | | | | | 20,0 | 20 | |
| 25,40 | 25 | | | | | | 25,0 | 25 | |

Plattengröße
Insert size
Grandeur de la plaquette

| Kennzahl Index Code | S mm |
|---------------------------|---------|
| 3 | 3,18 |
| 4 | 4,76 |
| 6 | 6,35 |
| 7 | 7,94 |

Plattendicke
Insert thickness
Epaisseur de la plaquette

35

060

-

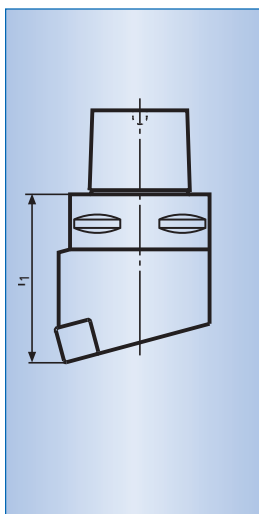
12

-

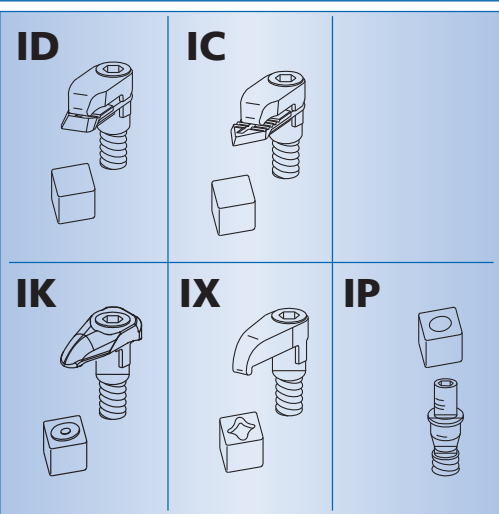
ID

7

Werkzeuglänge
Tool length
Longeur d'outil



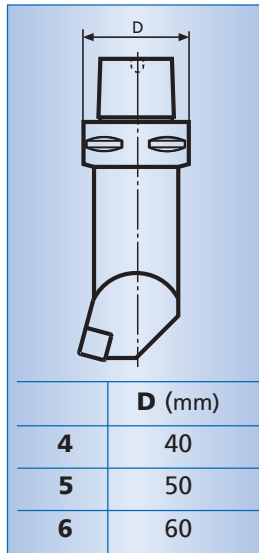
Klemmart
Clamping system
Système de serrage



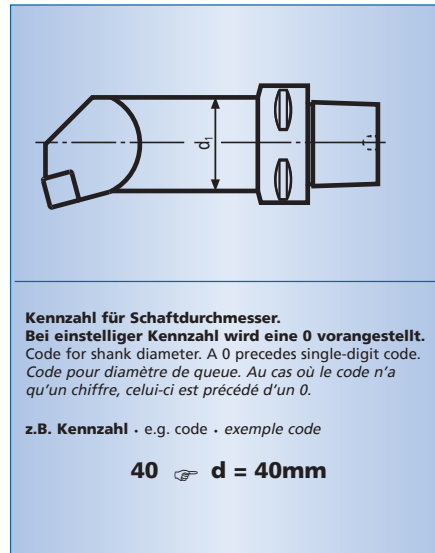
Bezeichnungssystem für CMS-Ausdrehschneidköpfe

Designation system for CMS Boring cutting heads

Système de dénomination Têtes de coup d'alésage CMS



CMS-Größe
CMS size
Gradeur CMS

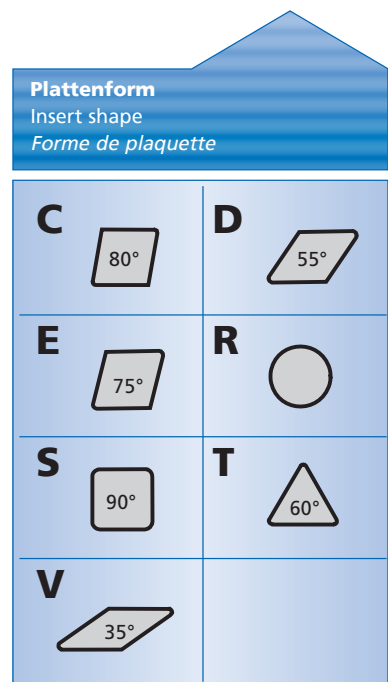
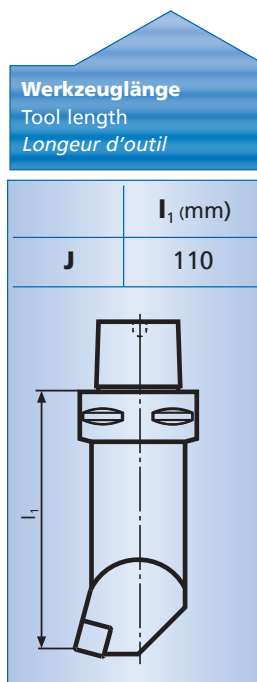
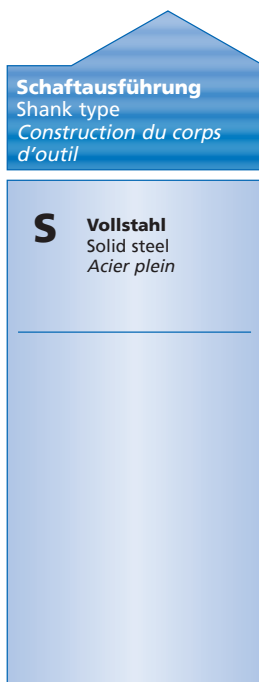


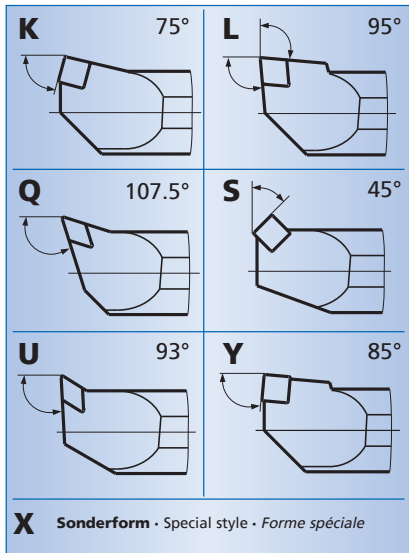
Schaftdurchmesser
Shank diameter
Diamètre du corps d'outil



Schneidplattenbefestigung
Insert clamping
Fixation de plaquette

CMS 5 - S 40 J - C S






X Sonderform · Special style · Forme spéciale

Halterform
Tool style
Forme de porte-outil

| Inkreis Inscribed circle Cercle inscrit | d | | T | | C | | E | | D | |
|---|-------|----|-----|--|-----|----|-----|--|-----|--|
| | mm | | 60° | | 80° | | 75° | | 55° | |
| | 9,52 | | 16 | | | | | | | |
| | 12,70 | 12 | | | 12 | 13 | 15 | | | |
| | 15,88 | 15 | | | | | | | | |

Plattengröße
Insert size
Grandeur de la plaquette

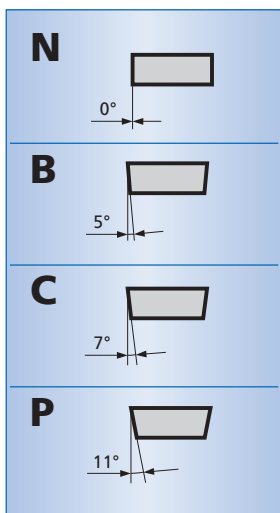


| Kennzahl Index Code | s mm |
|---------------------------|---------|
| 3 | 3,18 |
| 4 | 4,76 |
| 6 | 6,35 |
| 7 | 7,94 |

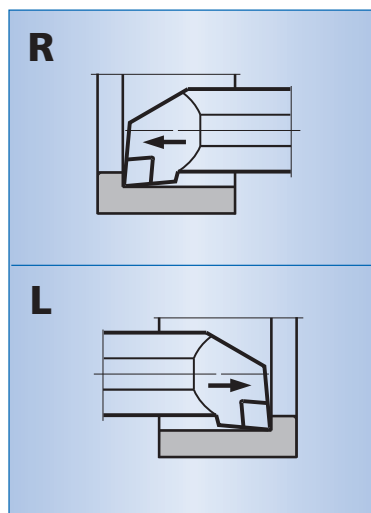
Plattendicke
Insert thickness
Épaisseur de la plaquette

K N R 12 - IX 7

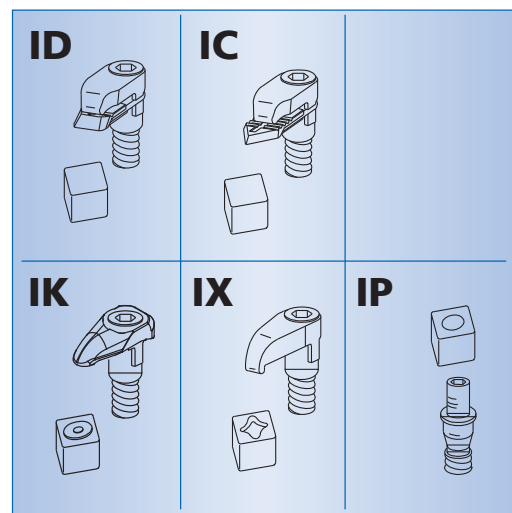
**Normal-Freiwinkel der
Schneidplatte**
Insert normal clearance
Angle de dépouille



Schneidrichtung
Cutting direction
Direction de coupe



Klemmart
Clamping system
Système de serrage





Inhaltsverzeichnis CMS-Schneidköpfe
 Contents CMS Cutting heads
 Table des matières têtes de coupe CMS



| | | | |
|--|--|--|--|
| CMS 5 - CCLN L / R CMS 5 - PCLN L / R | CMS 5 - CDJN L / R CMS 5 - PDJN L / R | CMS 5 - CRSN L / R CMS 5 - PRSN L / R | CMS 5 - CSDN N CMS 5 - PSDN N |
| | | | |
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| CMS 5 - CSKN L / R CMS 5 - PSKN L / R | CMS 5 - CSRN L / R CMS 5 - PSRN L / R | CMS 5 - CSSN L / R CMS 5 - PSSN L / R | CMS 5 - CSXN L / R CMS 5 - PSXN L / R |
| | | | |
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| CMS 5 - CSYN L / R CMS 5 - PSYN L / R | | CMS 5 - S40J - CCLN L / R CMS 5 - S40J - PCLN L / R | |
| | | | |
| Seite • Page 130 | | Seite • Page 131 | |
| CMS 5 - S40J - CDUNL L / R CMS 5 - S40J - PDUNL L / R | | CMS 5 - S40J - CSKN L / R CMS 5 - S40J - PSKN L / R | |
| | | | |
| Seite • Page 132 | | Seite • Page 133 | |

CMS-Schneidköpfe

CMS Cutting heads

Têtes de coupe CMS

CMS 5 - CCLN

CMS 5 - PCLN

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -5^\circ$
Rake angle
Angle de coupe

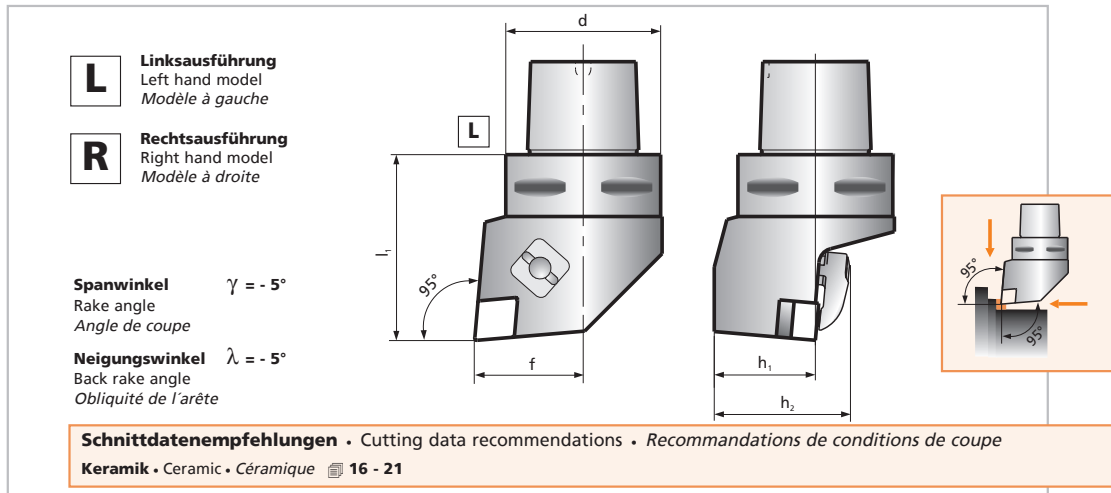
Neigungswinkel $\lambda = -5^\circ$
Back rake angle
Obliquité de l'arête

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique 16 - 21 **Cermet** • Cermet • Cermet 59 - 67 **WURBON®** • WURBON® • WURBON® 85 - 89

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|------------------|
| | | d | h ₁ | h ₂ | f | l ₁ | D _{min} |
| CN .. 12 ... | CMS 5 | 50 | 34 | 48 | 35 | 60 | 320 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|--|
| | | | | | |
| CN . N 12 04 .. CN . N 12 07 .. | CMS 5 - CCLN L 35060 - 12 - IC 4 CMS 5 - CCLN R 35060 - 12 - IC 4 CMS 5 - CCLN L 35060 - 12 - ID 4 CMS 5 - CCLN R 35060 - 12 - ID 4 | 791.24.005.14 | 70.91.15.002.0 | 70.91.22.015.0 | |
| | | 791.23.005.14 | 70.91.15.002.0 | 70.91.22.015.0 | |
| | | 791.24.005.12 | 70.91.15.005.0 | 70.91.22.015.0 | |
| | | 791.23.005.12 | 70.91.15.005.0 | 70.91.22.015.0 | |
| IKS - PRO CN . X 12 04 .. CN . X 12 07 .. | CMS 5 - CCLN L 35060 - 12 - IK 4 CMS 5 - CCLN R 35060 - 12 - IK 4 CMS 5 - CCLN L 35060 - 12 - IK 7 CMS 5 - CCLN R 35060 - 12 - IK 7 | 791.24.005.29 | 70.91.11.716.6 | 70.91.22.015.0 | |
| | | 791.23.005.29 | 70.91.11.716.6 | 70.91.22.015.0 | |
| | | 791.24.005.25 | 70.91.11.716.6 | 70.91.22.014.0 | |
| | | 791.23.005.25 | 70.91.11.716.6 | 70.91.22.014.0 | |
| CN . X 12 07 .. | CMS 5 - CCLN L 35060 - 12 - IX 7 CMS 5 - CCLN R 35060 - 12 - IX 7 | 791.24.005.15 | 70.91.11.316.0 | 70.91.22.014.0 | |
| | | 791.23.005.15 | 70.91.11.316.0 | 70.91.22.014.0 | |
| CN . A 12 04 .. | CMS 5 - PCLN L 35060 - 12 - IP 4 CMS 5 - PCLN R 35060 - 12 - IP 4 | 791.24.005.18 | 70.91.15.005.0 | 70.91.26.009.6 | |
| | | 791.23.005.18 | 70.91.15.005.0 | 70.91.26.009.6 | |



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|------------------|
| | | d | h ₁ | h ₂ | f | l ₁ | D _{min} |
| CN .. 16 ... | CMS 5 | 50 | 34 | 48 | 35 | 60 | 320 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|--|
| | | | | | |
| CN . N 16 04 .. | CMS 5 - CCLN L 35060 - 16 - IC 4 CMS 5 - CCLN R 35060 - 16 - IC 4 CMS 5 - CCLN L 35060 - 16 - ID 4 CMS 5 - CCLN R 35060 - 16 - ID 4 | 791.24.006.14 | 70.91.15.006.0 | 70.91.22.017.0 | |
| | | 791.23.006.14 | 70.91.15.006.0 | 70.91.22.017.0 | |
| | | 791.24.006.12 | 70.91.15.005.0 | 70.91.22.017.0 | |
| | | 791.23.006.12 | 70.91.15.005.0 | 70.91.22.017.0 | |
| CN . N 16 07 .. | CMS 5 - CCLN L 35060 - 16 - IC 7 CMS 5 - CCLN R 35060 - 16 - IC 7 CMS 5 - CCLN L 35060 - 16 - ID 7 CMS 5 - CCLN R 35060 - 16 - ID 7 | 791.24.006.13 | 70.91.15.006.0 | 70.91.22.016.0 | |
| | | 791.23.006.13 | 70.91.15.006.0 | 70.91.22.016.0 | |
| | | 791.24.006.11 | 70.91.15.005.0 | 70.91.22.016.0 | |
| | | 791.23.006.11 | 70.91.15.005.0 | 70.91.22.016.0 | |
| CN . X 16 07 .. | CMS 5 - CCLN L 35060 - 16 - IK 7 CMS 5 - CCLN R 35060 - 16 - IK 7 | 791.24.006.25 | 70.91.11.721.6 | 70.91.22.016.0 | |
| | | 791.23.006.25 | 70.91.11.721.6 | 70.91.22.016.0 | |
| CN . X 16 07 .. | CMS 5 - CCLN L 35060 - 16 - IX 7 CMS 5 - CCLN R 35060 - 16 - IX 7 | 791.24.006.15 | 70.91.11.332.0 | 70.91.22.016.0 | |
| | | 791.23.006.15 | 70.91.11.332.0 | 70.91.22.016.0 | |

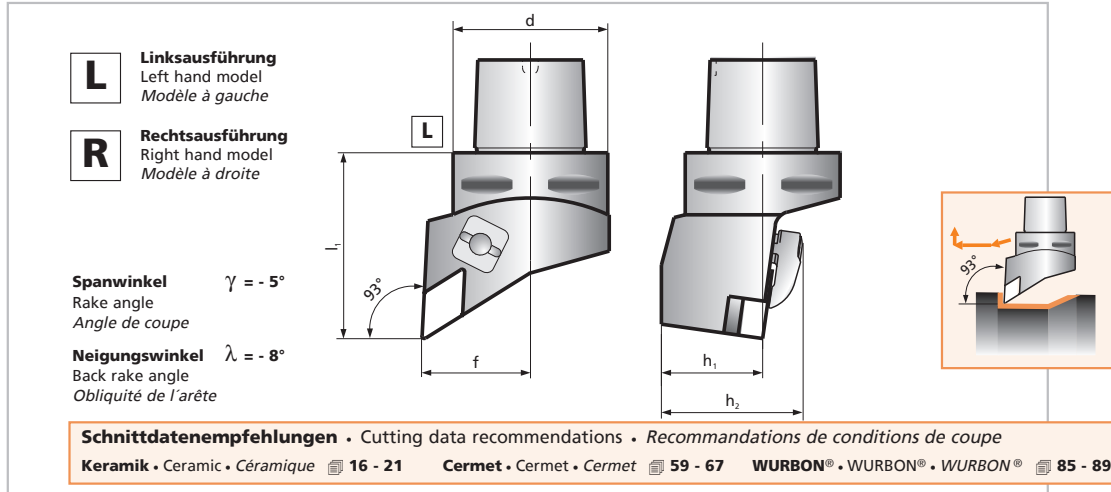
CMS-Schneidköpfe

CMS Cutting heads

Têtes de coupe CMS

CMS 5 - CDJN

CMS 5 - PDJN

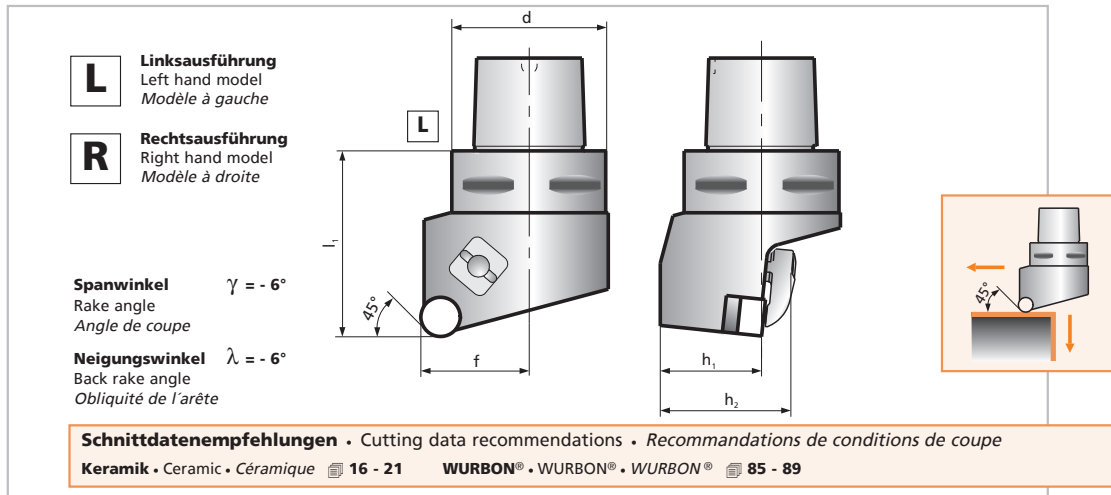


| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|------------------|
| | | d | h ₁ | h ₂ | f | l ₁ | D _{min} |
| DN . . 15 . . . | CMS 5 | 50 | 33 | 50 | 35 | 60 | 320 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|---|---|--|----------------|----------------|
| | | | | | |
| DN . N 15 07 .. | CMS 5 - CDJN L 35060 - 15 - IC 7 | 791.24.016.13 | 70.91.15.011.0 | 70.91.22.020.0 | |
| | CMS 5 - CDJN R 35060 - 15 - IC 7 | 791.23.016.13 | 70.91.15.010.0 | 70.91.22.020.0 | |
| | CMS 5 - CDJN L 35060 - 15 - ID 7 | 791.24.016.11 | 70.91.15.005.0 | 70.91.22.020.0 | |
| | CMS 5 - CDJN R 35060 - 15 - ID 7 | 791.23.016.11 | 70.91.15.005.0 | 70.91.22.020.0 | |
| DN . X 15 07 .. | CMS 5 - CDJN L 35060 - 15 - IK 7 | 791.24.016.25 | 70.91.11.720.6 | 70.91.22.020.0 | |
| | CMS 5 - CDJN R 35060 - 15 - IK 7 | 791.23.016.25 | 70.91.11.720.6 | 70.91.22.020.0 | |
| DN . X 15 07 .. | CMS 5 - CDJN L 35060 - 15 - IX 7 | 791.24.016.15 | 70.91.11.332.0 | 70.91.22.020.0 | |
| | CMS 5 - CDJN R 35060 - 15 - IX 7 | 791.23.016.15 | 70.91.11.332.0 | 70.91.22.020.0 | |
| DN . A 15 04 .. | CMS 5 - PDJN L 35060 - 15 - IP 4 | 791.24.016.18 | 70.91.15.005.0 | | 70.21.26.012.6 |
| | CMS 5 - PDJN R 35060 - 15 - IP 4 | 791.23.016.18 | 70.91.15.005.0 | | 70.21.26.012.6 |
| DN . A 15 06 .. | CMS 5 - PDJN L 35060 - 15 - IP 6 | 791.24.016.16 | 70.91.15.005.0 | | 70.91.26.050.6 |
| | CMS 5 - PDJN R 35060 - 15 - IP 6 | 791.23.016.16 | 70.91.15.005.0 | | 70.91.26.050.6 |

CMS 5 - CRSN
 CMS 5 - PRSN

CMS-Schneidköpfe
 CMS Cutting heads
 Têtes de coupe CMS

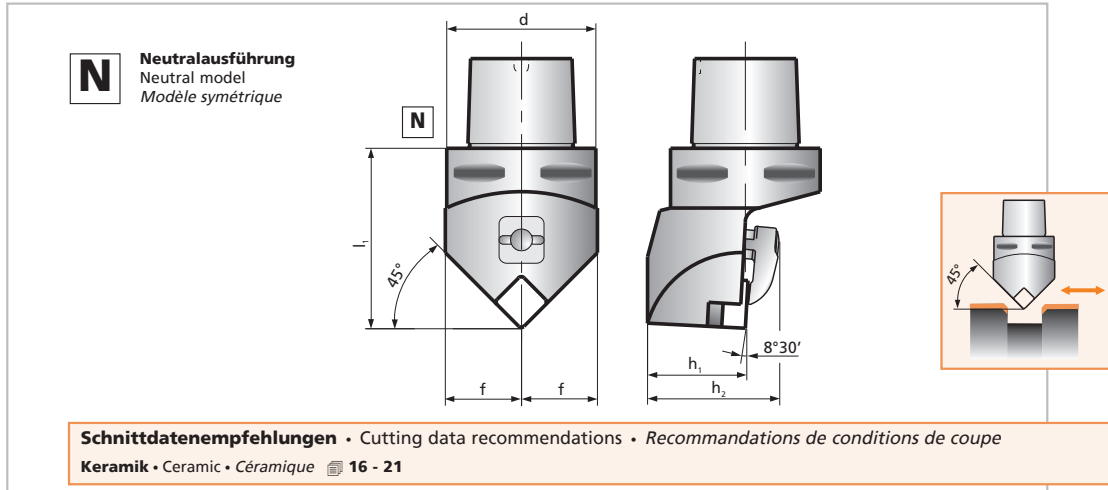


| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|------------------|
| | | d | h ₁ | h ₂ | f | l ₁ | D _{min} |
| RN .. 12 | CMS 5 | 50 | 33 | 48 | 35 | 60 | 310 |






| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------------------------|----------------------------------|
| | | | | | |
| RN . N 12 04 .. | CMS 5 - CRSN L 35060 - 12 - ID 4 CMS 5 - CRSN R 35060 - 12 - ID 4 | 791.44.005.12 791.43.005.12 | 70.91.15.001.0 70.91.15.001.0 | 70.91.22.034.0 70.91.22.034.0 | |
| RN . N 12 07 .. | CMS 5 - CRSN L 35060 - 12 - ID 7 CMS 5 - CRSN R 35060 - 12 - ID 7 | 791.44.005.11 791.43.005.11 | 70.91.15.001.0 70.91.15.001.0 | 70.91.22.033.0 70.91.22.033.0 | |
| RN . A 12 04 .. | CMS 5 - PRSN L 35060 - 12 - IP 4 CMS 5 - PRSN R 35060 - 12 - IP 4 | 791.44.005.18 791.43.005.18 | 70.91.15.005.0 70.91.15.005.0 | | 70.91.26.043.6 70.91.26.043.6 |

CMS-Schneidköpfe
 CMS Cutting heads
 Têtes de coupe CMS

CMS 5 - CSDN □

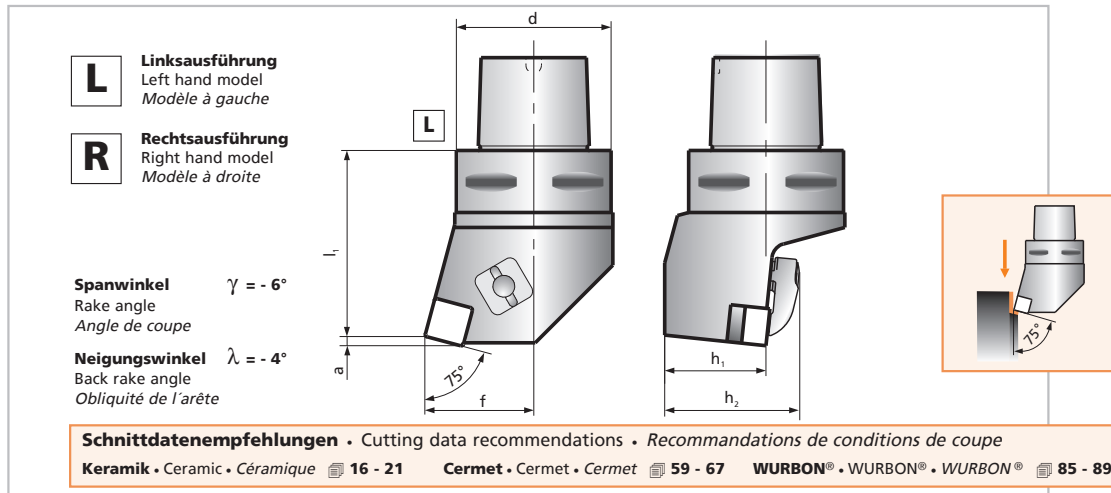


| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|
| | | d | h ₁ | h ₂ | f | l ₁ |
| SN .. 15 ... | CMS 5 | 50 | 30 | 45 | 25 | 60 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | |
|--|--|---|--|---|
| | | |  |  |
| SN . N 15 04 ..  | CMS 5 - CSDN N 00060 - 15 - IC 4 CMS 5 - CSDN N 00060 - 15 - ID 4 | 791.05.006.14 791.05.006.12 | 70.91.15.006.0 70.91.15.005.0 | 70.91.22.013.0 70.91.22.013.0 |
| | | | | |
| IKS - PRO SN . X 15 07 ..  | CMS 5 - CSDN N 00060 - 15 - IK 7 | 791.05.006.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| SN . X 15 07 ..  | CMS 5 - CSDN N 00060 - 15 - IX 7 | 791.05.006.15 | 70.91.11.316.0 | 70.91.22.012.0 |

CMS 5 - CSKN
 CMS 5 - PSKN

CMS-Schneidköpfe
 CMS Cutting heads
 Têtes de coupe CMS



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|------|------------------|
| | | d | h ₁ | h ₂ | f | l ₁ | a | D _{min} |
| SN .. 12 ... | CMS 5 | 50 | 33 | 48 | 35 | 60 | 3,06 | 320 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | | |
|--|--|--|--|----------------|----------------|--|
| | | | | | | |
| SN . N 12 04 .. | CMS 5 - CSKN L 35060 - 12 - IC 4 CMS 5 - CSKN R 35060 - 12 - IC 4 CMS 5 - CSKN L 35060 - 12 - ID 4 CMS 5 - CSKN R 35060 - 12 - ID 4 | 791.04.035.14 | 70.91.15.004.0 | 70.91.22.011.0 | | |
| | | 791.03.035.14 | 70.91.15.003.0 | 70.91.22.011.0 | | |
| | | 791.04.035.12 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | | 791.03.035.12 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| SN . N 12 07 .. | CMS 5 - CSKN L 35060 - 12 - IC 7 CMS 5 - CSKN R 35060 - 12 - IC 7 CMS 5 - CSKN L 35060 - 12 - ID 7 CMS 5 - CSKN R 35060 - 12 - ID 7 | 791.04.035.13 | 70.91.15.004.0 | 70.91.22.010.0 | | |
| | | 791.03.035.13 | 70.91.15.003.0 | 70.91.22.010.0 | | |
| | | 791.04.035.11 | 70.91.15.005.0 | 70.91.22.010.0 | | |
| | | 791.03.035.11 | 70.91.15.005.0 | 70.91.22.010.0 | | |
| IKS - PRO SN . X 12 04 .. | CMS 5 - CSKN L 35060 - 12 - IK 4 CMS 5 - CSKN R 35060 - 12 - IK 4 | 791.04.035.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | | 791.03.035.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | | CMS 5 - CSKN L 35060 - 12 - IK 7 CMS 5 - CSKN R 35060 - 12 - IK 7 | 791.04.035.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | | | 791.03.035.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| SN . X 12 07 .. | CMS 5 - CSKN L 35060 - 12 - IX 7 CMS 5 - CSKN R 35060 - 12 - IX 7 | 791.04.035.15 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| | | 791.03.035.15 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| SN . A 12 04 .. | CMS 5 - PSKN L 35060 - 12 - IP 4 CMS 5 - PSKN R 35060 - 12 - IP 4 | 791.04.035.18 | 70.91.15.005.0 | 70.91.26.007.6 | | |
| | | 791.03.035.18 | 70.91.15.005.0 | 70.91.26.007.6 | | |

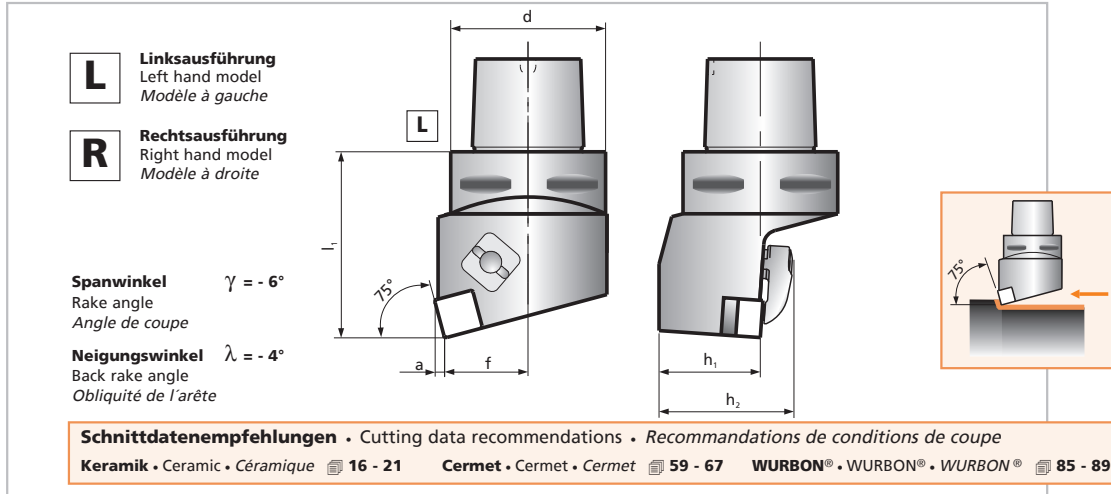
CMS-Schneidköpfe

CMS Cutting heads

Têtes de coupe CMS

CMS 5 - CSRN

CMS 5 - PSRN

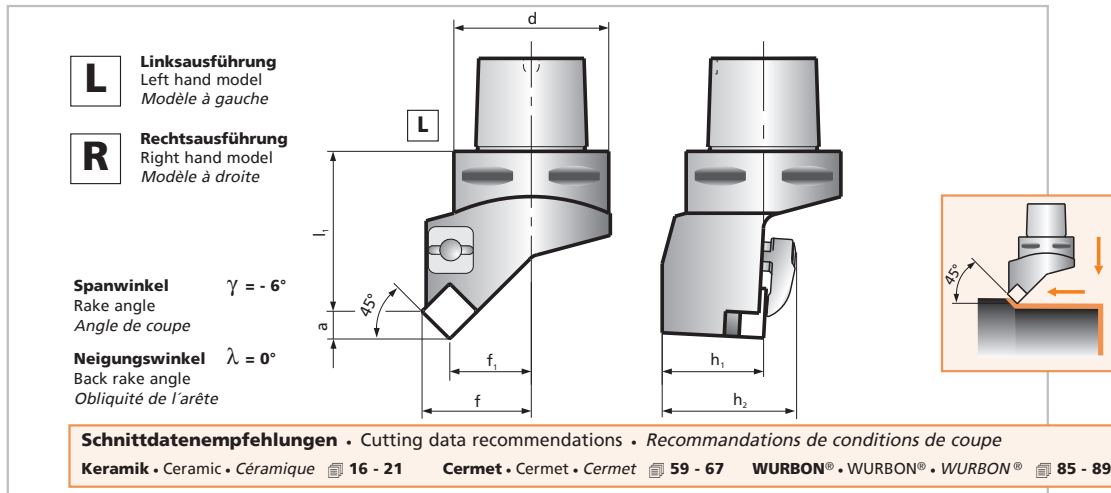


| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|------|------------------|
| | | d | h ₁ | h ₂ | f | l ₁ | a | D _{min} |
| SN .. 12 ... | CMS 5 | 50 | 33 | 48 | 27 | 60 | 3,06 | 310 |










| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | | |
|--|--|--|--|----------------|----------------|--|
| | | | | | | |
| SN . N 12 04 .. | CMS 5 - CSRN L 27060 - 12 - IC 4 CMS 5 - CSRN R 27060 - 12 - IC 4 CMS 5 - CSRN L 27060 - 12 - ID 4 CMS 5 - CSRN R 27060 - 12 - ID 4 | 791.04.015.14 | 70.91.15.004.0 | 70.91.22.011.0 | | |
| | | 791.03.015.14 | 70.91.15.003.0 | 70.91.22.011.0 | | |
| | | 791.04.015.12 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | | 791.03.015.12 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| SN . N 12 07 .. | CMS 5 - CSRN L 27060 - 12 - IC 7 CMS 5 - CSRN R 27060 - 12 - IC 7 CMS 5 - CSRN L 27060 - 12 - ID 7 CMS 5 - CSRN R 27060 - 12 - ID 7 | 791.04.015.13 | 70.91.15.004.0 | 70.91.22.010.0 | | |
| | | 791.03.015.13 | 70.91.15.003.0 | 70.91.22.010.0 | | |
| | | 791.04.015.11 | 70.91.15.005.0 | 70.91.22.010.0 | | |
| | | 791.03.015.11 | 70.91.15.005.0 | 70.91.22.010.0 | | |
| IKS - PRO SN . X 12 04 .. | CMS 5 - CSRN L 27060 - 12 - IK 4 CMS 5 - CSRN R 27060 - 12 - IK 4 | 791.04.015.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | | 791.03.015.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | | CMS 5 - CSRN L 27060 - 12 - IK 7 CMS 5 - CSRN R 27060 - 12 - IK 7 | 791.04.015.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | | | 791.03.015.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| SN . X 12 07 .. | CMS 5 - CSRN L 27060 - 12 - IX 7 CMS 5 - CSRN R 27060 - 12 - IX 7 | 791.04.015.15 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| | | 791.03.015.15 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| SN . A 12 04 .. | CMS 5 - PSRN L 27060 - 12 - IP 4 CMS 5 - PSRN R 27060 - 12 - IP 4 | 791.04.015.18 | 70.91.15.005.0 | | 70.91.26.007.6 | |
| | | 791.03.015.18 | 70.91.15.005.0 | | 70.91.26.007.6 | |

CMS 5 - CSSN
 CMS 5 - PSSN

CMS-Schneidköpfe
 CMS Cutting heads
 Têtes de coupe CMS



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|----------------|------|------------------|
| | | d | h ₁ | h ₂ | f | f ₁ | l ₁ | a | D _{min} |
| SN .. 12 ... | CMS 5 | 50 | 38 | 51 | 35 | 26,7 | 52 | 8,32 | 250 |

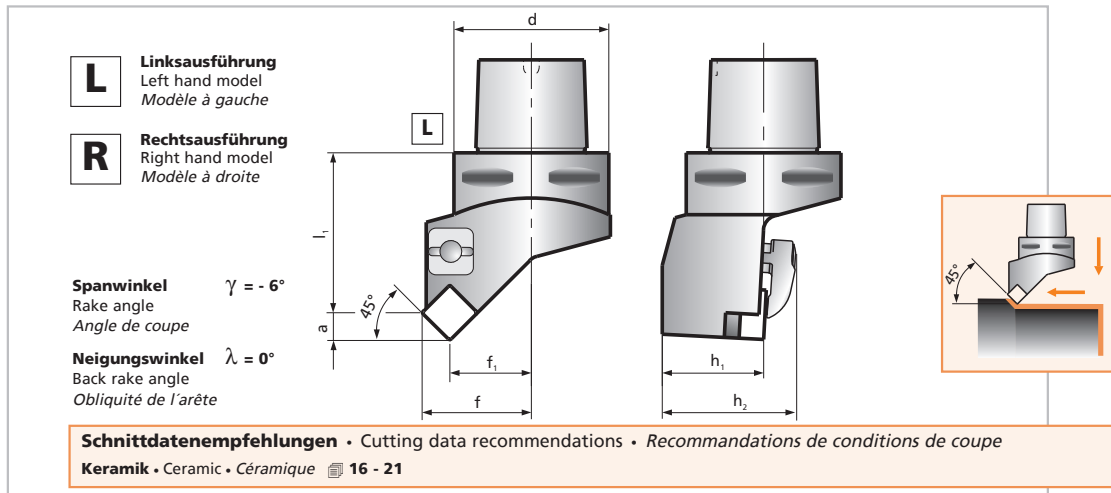
| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | | | |
|--|--|--|--|---|---|----------------|--|
| | | |  |  |  | | |
| SN . N 12 04 ..  | CMS 5 - CSSN L 35052 - 12 - IC 4 CMS 5 - CSSN R 35052 - 12 - IC 4 CMS 5 - CSSN L 35052 - 12 - ID 4 CMS 5 - CSSN R 35052 - 12 - ID 4 | 791.04.005.14 | 70.91.15.004.0 | 70.91.22.011.0 | | | |
| | | 791.03.005.14 | 70.91.15.003.0 | 70.91.22.011.0 | | | |
| | | 791.04.005.12 | 70.91.15.005.0 | 70.91.22.011.0 | | | |
| | | 791.03.005.12 | 70.91.15.005.0 | 70.91.22.011.0 | | | |
| SN . N 12 07 ..  | CMS 5 - CSSN L 35052 - 12 - IC 7 CMS 5 - CSSN R 35052 - 12 - IC 7 CMS 5 - CSSN L 35052 - 12 - ID 7 CMS 5 - CSSN R 35052 - 12 - ID 7 | 791.04.005.13 | 70.91.15.004.0 | 70.91.22.010.0 | | | |
| | | 791.03.005.13 | 70.91.15.003.0 | 70.91.22.010.0 | | | |
| | | 791.04.005.11 | 70.91.15.005.0 | 70.91.22.010.0 | | | |
| | | 791.03.005.11 | 70.91.15.005.0 | 70.91.22.010.0 | | | |
| IKS - PRO SN . X 12 04 ..  | CMS 5 - CSSN L 35052 - 12 - IK 4 CMS 5 - CSSN R 35052 - 12 - IK 4 | 791.04.005.29 | 70.91.11.718.6 | 70.91.22.011.0 | | | |
| | | 791.03.005.29 | 70.91.11.718.6 | 70.91.22.011.0 | | | |
| | | SN . X 12 07 ..  | CMS 5 - CSSN L 35052 - 12 - IK 7 CMS 5 - CSSN R 35052 - 12 - IK 7 | 791.04.005.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | | | | 791.03.005.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| SN . X 12 07 ..  | CMS 5 - CSSN L 35052 - 12 - IX 7 CMS 5 - CSSN R 35052 - 12 - IX 7 | 791.04.005.15 | 70.91.11.316.0 | 70.91.22.010.0 | | | |
| | | 791.03.005.15 | 70.91.11.316.0 | 70.91.22.010.0 | | | |
| SN . A 12 04 ..  | CMS 5 - PSSN L 35052 - 12 - IP 4 CMS 5 - PSSN R 35052 - 12 - IP 4 | 791.04.005.18 | 70.91.15.005.0 | | 70.91.26.007.6 | | |
| | | 791.03.005.18 | 70.91.15.005.0 | | 70.91.26.007.6 | | |

CMS-Schneidköpfe







CMS Cutting heads

Têtes de coupe CMS

CMS 5 - CSSN □

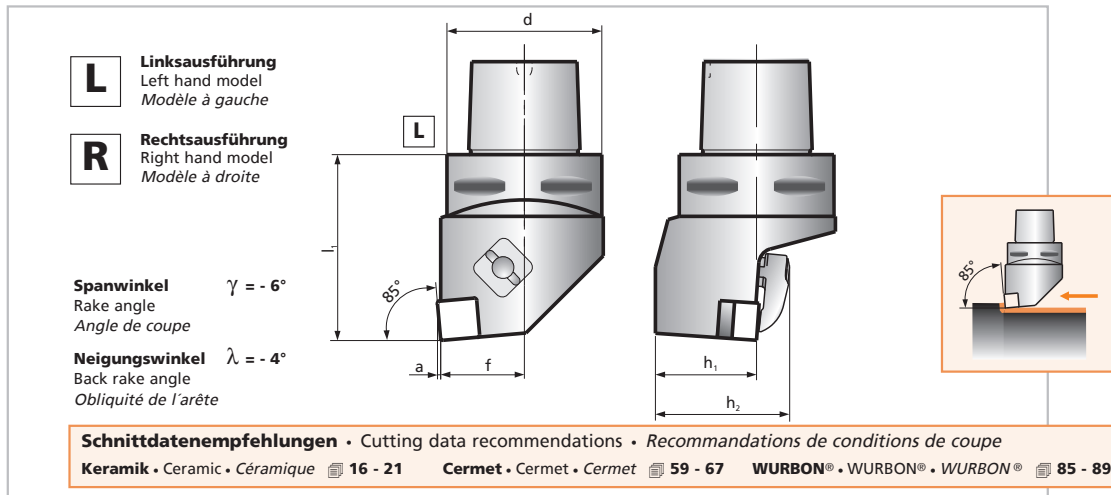


| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|----------------|-------|------------------|
| | | d | h ₁ | h ₂ | f | f ₁ | l ₁ | a | D _{min} |
| SN .. 15 ... | CMS 5 | 50 | 38 | 51 | 35 | 24,8 | 52 | 10,23 | 250 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | |
|--|---------------------------------|---|--|---|
| | | |  |  |
| SN . N 15 04 ..  | CMS 5 - CSSN L 35052 -15 - IC 4 | 791.04.006.14 | 70.91.15.008.0 | 70.91.22.013.0 |
| | CMS 5 - CSSN R 35052 -15 - IC 4 | 791.03.006.14 | 70.91.15.007.0 | 70.91.22.013.0 |
| | CMS 5 - CSSN L 35052 -15 - ID 4 | 791.04.006.12 | 70.91.15.005.0 | 70.91.22.013.0 |
| | CMS 5 - CSSN R 35052 -15 - ID 4 | 791.03.006.12 | 70.91.15.005.0 | 70.91.22.013.0 |
| SN . N 15 07 ..  | CMS 5 - CSSN L 35052 -15 - IC 7 | 791.04.006.13 | 70.91.15.008.0 | 70.91.22.012.0 |
| | CMS 5 - CSSN R 35052 -15 - IC 7 | 791.03.006.13 | 70.91.15.007.0 | 70.91.22.012.0 |
| | CMS 5 - CSSN L 35052 -15 - ID 7 | 791.04.006.11 | 70.91.15.005.0 | 70.91.22.012.0 |
| | CMS 5 - CSSN R 35052 -15 - ID 7 | 791.03.006.11 | 70.91.15.005.0 | 70.91.22.012.0 |
| SN . X 15 07 ..  | CMS 5 - CSSN L 35052 -15 - IK 7 | 791.04.006.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| | CMS 5 - CSSN R 35052 -15 - IK 7 | 791.03.006.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| SN . X 15 07 ..  | CMS 5 - CSSN L 35052 -15 - IX 7 | 791.04.006.15 | 70.91.11.316.0 | 70.91.22.012.0 |
| | CMS 5 - CSSN R 35052 -15 - IX 7 | 791.03.006.15 | 70.91.11.316.0 | 70.91.22.012.0 |

CMS 5 - CSXN
 CMS 5 - PSXN

CMS-Schneidköpfe
 CMS Cutting heads
 Têtes de coupe CMS



| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|------|------------------|
| | | d | h ₁ | h ₂ | f | l ₁ | a | D _{min} |
| SN .. 12 ... | CMS 5 | 50 | 35 | 48 | 27 | 60 | 1,03 | 310 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | | |
|--|--|--|--|----------------|----------------|--|
| | | | | | | |
| SN . N 12 04 .. | CMS 5 - CSXN L 27060 - 12 - IC 4 CMS 5 - CSXN R 27060 - 12 - IC 4 CMS 5 - CSXN L 27060 - 12 - ID 4 CMS 5 - CSXN R 27060 - 12 - ID 4 | 791.04.025.14 | 70.91.15.003.0 | 70.91.22.011.0 | | |
| | | 791.03.025.14 | 70.91.15.004.0 | 70.91.22.011.0 | | |
| | | 791.04.025.12 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | | 791.03.025.12 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| SN . N 12 07 .. | CMS 5 - CSXN L 27060 - 12 - IC 7 CMS 5 - CSXN R 27060 - 12 - IC 7 CMS 5 - CSXN L 27060 - 12 - ID 7 CMS 5 - CSXN R 27060 - 12 - ID 7 | 791.04.025.13 | 70.91.15.003.0 | 70.91.22.010.0 | | |
| | | 791.03.025.13 | 70.91.15.004.0 | 70.91.22.010.0 | | |
| | | 791.04.025.11 | 70.91.15.005.0 | 70.91.22.010.0 | | |
| | | 791.03.025.11 | 70.91.15.005.0 | 70.91.22.010.0 | | |
| IKS - PRO SN . X 12 04 .. | CMS 5 - CSXN L 27060 - 12 - IK 4 CMS 5 - CSXN R 27060 - 12 - IK 4 | 791.04.025.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | | 791.03.025.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | | CMS 5 - CSXN L 27060 - 12 - IK 7 CMS 5 - CSXN R 27060 - 12 - IK 7 | 791.04.025.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | | | 791.03.025.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| SN . X 12 07 .. | CMS 5 - CSXN L 27060 - 12 - IX 7 CMS 5 - CSXN R 27060 - 12 - IX 7 | 791.04.025.15 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| | | 791.03.025.15 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| SN . A 12 04 .. | CMS 5 - PSXN L 27060 - 12 - IP 4 CMS 5 - PSXN R 27060 - 12 - IP 4 | 791.04.025.18 | 70.91.15.005.0 | 70.91.26.007.6 | | |
| | | 791.03.025.18 | 70.91.15.005.0 | 70.91.26.007.6 | | |

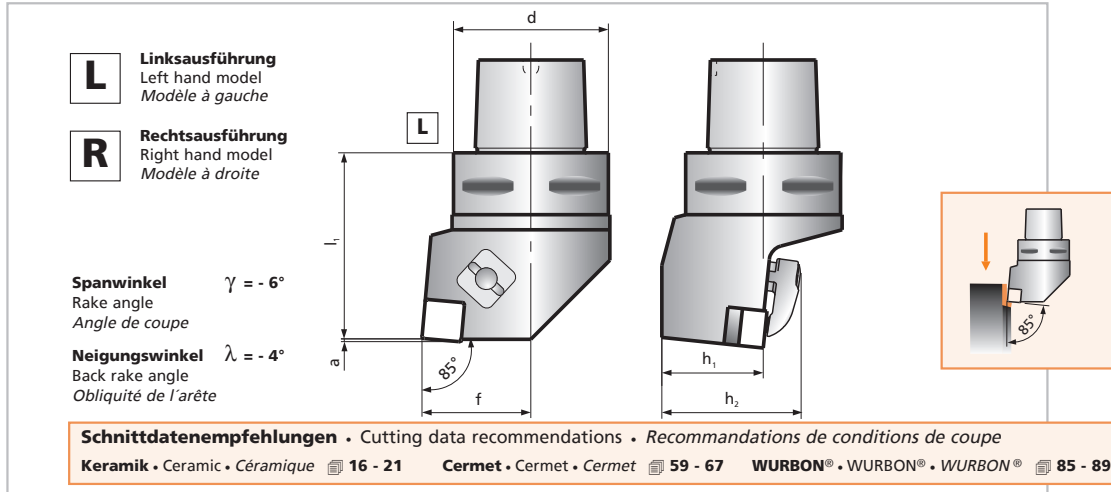
CMS-Schneidköpfe

CMS Cutting heads

Têtes de coupe CMS

CMS 5 - CSYN

CMS 5 - PSYN



| SPK-Schneidplatte SPK insert Plaque SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|---|--------------------------|--|----------------|----------------|----|----------------|------|------------------|
| | | d | h ₁ | h ₂ | f | l ₁ | a | D _{min} |
| SN .. 12 ... | CMS 5 | 50 | 33 | 48 | 35 | 60 | 1,03 | 320 |

| SPK-Schneidplatte SPK Insert Plaque SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | | |
|---|--|--|--|----------------|----------------|--|
| | | | | | | |
| SN . N 12 04 .. | CMS 5 - CSYN L 35060 - 12 - IC 4 CMS 5 - CSYN R 35060 - 12 - IC 4 CMS 5 - CSYN L 35060 - 12 - ID 4 CMS 5 - CSYN R 35060 - 12 - ID 4 | 791.04.053.14 | 70.91.15.003.0 | 70.91.22.011.0 | | |
| | | 791.03.053.14 | 70.91.15.004.0 | 70.91.22.011.0 | | |
| | | 791.04.053.12 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | | 791.03.053.12 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| SN . N 12 07 .. | CMS 5 - CSYN L 35060 - 12 - IC 7 CMS 5 - CSYN R 35060 - 12 - IC 7 CMS 5 - CSYN L 35060 - 12 - ID 7 CMS 5 - CSYN R 35060 - 12 - ID 7 | 791.04.053.13 | 70.91.15.003.0 | 70.91.22.010.0 | | |
| | | 791.03.053.13 | 70.91.15.004.0 | 70.91.22.010.0 | | |
| | | 791.04.053.11 | 70.91.15.005.0 | 70.91.22.010.0 | | |
| | | 791.03.053.11 | 70.91.15.005.0 | 70.91.22.010.0 | | |
| IKS - PRO SN . X 12 04 .. | CMS 5 - CSYN L 35060 - 12 - IK 4 CMS 5 - CSYN R 35060 - 12 - IK 4 | 791.04.053.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | | 791.03.053.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | | CMS 5 - CSYN L 35060 - 12 - IK 7 CMS 5 - CSYN R 35060 - 12 - IK 7 | 791.04.053.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | | | 791.03.053.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| SN . X 12 07 .. | CMS 5 - CSYN L 35060 - 12 - IX 7 CMS 5 - CSYN R 35060 - 12 - IX 7 | 791.04.053.15 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| | | 791.03.053.15 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| SN . A 12 04 .. | CMS 5 - PSYN L 35060 - 12 - IP 4 CMS 5 - PSYN R 35060 - 12 - IP 4 | 791.04.053.18 | 70.91.15.005.0 | 70.91.26.007.6 | | |
| | | 791.03.053.18 | 70.91.15.005.0 | 70.91.26.007.6 | | |

CMS 5 - S40J - CCLN
 CMS 5 - S40J - PCLN

CMS-Schneidköpfe
 CMS Cutting heads
 Têtes de coupe CMS

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -6^\circ$
 Rake angle
 Angle de coupe

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique **16 - 21** **Cermet** • Cermet • Cermet **59 - 67** **WURBON®** • WURBON® • WURBON® **85 - 89**

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|----------------|------|------------------|
| | | d | d ₁ | h ₁ | f | l ₁ | l ₂ | λ | D _{min} |
| CN .. 12 | CMS 5 | 50 | 40 | 24,3 | 27 | 110 | 41 | -12° | 50 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|----------------|
| | | | | | |
| CN . N 12 04 .. | CMS 5 - S40J - CCLN L - 12 - IC 4 CMS 5 - S40J - CCLN R - 12 - IC 4 CMS 5 - S40J - CCLN L - 12 - ID 4 CMS 5 - S40J - CCLN R - 12 - ID 4 | 791.24.025.14 | 70.91.15.002.0 | 70.91.22.118.0 | |
| | | 791.23.025.14 | 70.91.15.002.0 | 70.91.22.118.0 | |
| | | 791.24.025.12 | 70.91.15.005.0 | 70.91.22.118.0 | |
| | | 791.23.025.12 | 70.91.15.005.0 | 70.91.22.118.0 | |
| CN . N 12 07 .. | CMS 5 - S40J - CCLN L - 12 - IC 7 CMS 5 - S40J - CCLN R - 12 - IC 7 CMS 5 - S40J - CCLN L - 12 - ID 7 CMS 5 - S40J - CCLN R - 12 - ID 7 | 791.24.025.13 | 70.91.15.002.0 | 70.91.22.069.0 | |
| | | 791.23.025.13 | 70.91.15.002.0 | 70.91.22.069.0 | |
| | | 791.24.025.11 | 70.91.15.005.0 | 70.91.22.069.0 | |
| | | 791.23.025.11 | 70.91.15.005.0 | 70.91.22.069.0 | |
| IKS - PRO CN . X 12 04 .. | CMS 5 - S40J - CCLN L - 12 - IK 4 CMS 5 - S40J - CCLN R - 12 - IK 4 | 791.24.025.29 | 70.91.11.716.6 | 70.91.22.118.0 | |
| | | 791.23.025.29 | 70.91.11.716.6 | 70.91.22.118.0 | |
| | | 791.24.025.25 | 70.91.11.716.6 | 70.91.22.069.0 | |
| | | | | | 791.23.025.25 |
| CN . X 12 07 .. | CMS 5 - S40J - CCLN L - 12 - IK 7 CMS 5 - S40J - CCLN R - 12 - IK 7 | 791.24.025.15 | 70.91.11.316.0 | 70.91.22.069.0 | |
| | | 791.23.025.15 | 70.91.11.316.0 | 70.91.22.069.0 | |
| CN . A 12 04 .. | CMS 5 - S40J - PCLN L - 12 - IP 4 CMS 5 - S40J - PCLN R - 12 - IP 4 | 791.24.025.18 | 70.91.15.005.0 | | 70.91.26.122.6 |
| | | 791.23.025.18 | 70.91.15.005.0 | | 70.91.26.122.6 |

CMS-Schneidköpfe

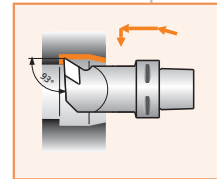
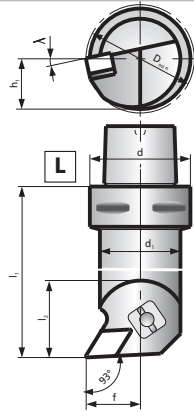
CMS Cutting heads
Têtes de coupe CMS

CMS 5 - S40J - CDUN
CMS 5 - S40J - PDUN

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe



Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

Keramik • Ceramic • Céramique **16 - 21** **Cermet** • Cermet • Cermet **59 - 67** **WURBON®** • WURBON® • WURBON® **85 - 89**

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|----------------|-----------|------------------|
| | | d | d ₁ | h ₁ | f | l ₁ | l ₂ | λ | D _{min} |
| DN .. 15 | CMS 5 | 50 | 40 | 24,3 | 27 | 110 | 40 | -12° | 50 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|----------------|
| | | | | | |
| DN . N 15 07 .. | CMS 5 - S40J - CDUN L - 15 - IC 7 CMS 5 - S40J - CDUN R - 15 - IC 7 CMS 5 - S40J - CDUN L - 15 - ID 7 CMS 5 - S40J - CDUN R - 15 - ID 7 | 791.24.036.13 | 70.91.15.011.0 | 70.91.22.071.0 | |
| | | 791.23.036.13 | 70.91.15.010.0 | 70.91.22.071.0 | |
| | | 791.24.036.11 | 70.91.15.005.0 | 70.91.22.071.0 | |
| | | 791.23.036.11 | 70.91.15.005.0 | 70.91.22.071.0 | |
| DN . X 15 07 .. | CMS 5 - S40J - CDUN L - 15 - IK 7 CMS 5 - S40J - CDUN R - 15 - IK 7 | 791.24.036.25 | 70.91.11.720.6 | 70.91.22.071.0 | |
| | | 791.23.036.25 | 70.91.11.720.6 | 70.91.22.071.0 | |
| DN . X 15 07 .. | CMS 5 - S40J - CDUN L - 15 - IX 7 CMS 5 - S40J - CDUN R - 15 - IX 7 | 791.24.036.15 | 70.91.11.332.0 | 70.91.22.071.0 | |
| | | 791.23.036.15 | 70.91.11.332.0 | 70.91.22.071.0 | |
| DN . A 15 04 .. | CMS 5 - S40J - PDUN L - 15 - IP 4 CMS 5 - S40J - PDUN R - 15 - IP 4 | 791.24.036.18 | 70.91.15.005.0 | | 70.91.26.124.6 |
| | | 791.23.036.18 | 70.91.15.005.0 | | 70.91.26.124.6 |
| DN . A 15 06 .. | CMS 5 - S40J - PDUN L - 15 - IP 6 CMS 5 - S40J - PDUN R - 15 - IP 6 | 791.24.036.16 | 70.91.15.005.0 | | 70.91.26.126.6 |
| | | 791.23.036.16 | 70.91.15.005.0 | | 70.91.26.126.6 |

CMS 5 - S40J - CSKN
 CMS 5 - S40J - PSKN

CMS-Schneidköpfe
 CMS Cutting heads
 Têtes de coupe CMS

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -6^\circ$
 Rake angle
 Angle de coupe

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
 Keramik • Ceramic • Céramique **16 - 21** Cermet • Cermet • Cermet **59 - 67** WURBON® • WURBON® • WURBON® **85 - 89**

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|----------------|-----------|------------------|
| | | d | d ₁ | h ₁ | f | l ₁ | l ₂ | λ | D _{min} |
| SN .. 12 | CMS 5 | 50 | 40 | 24,3 | 27 | 110 | 38 | -12° | 50 |

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|--|---|--|----------------|----------------|
| | | | | | |
| SN . N 12 04 .. SN . N 12 07 .. | CMS 5 - S40J - CSKN L - 12 - IC 4 CMS 5 - S40J - CSKN R - 12 - IC 4 CMS 5 - S40J - CSKN L - 12 - ID 4 CMS 5 - S40J - CSKN R - 12 - ID 4 | 791.04.045.14 | 70.91.15.003.0 | 70.91.22.083.0 | |
| | | 791.03.045.14 | 70.91.15.004.0 | 70.91.22.083.0 | |
| | | 791.04.045.12 | 70.91.15.005.0 | 70.91.22.083.0 | |
| | | 791.03.045.12 | 70.91.15.005.0 | 70.91.22.083.0 | |
| SN . X 12 04 .. SN . X 12 07 .. | CMS 5 - S40J - CSKN L - 12 - IK 4 CMS 5 - S40J - CSKN R - 12 - IK 4 CMS 5 - S40J - CSKN L - 12 - IK 7 CMS 5 - S40J - CSKN R - 12 - IK 7 | 791.04.045.29 | 70.91.11.718.6 | 70.91.22.083.0 | |
| | | 791.03.045.29 | 70.91.11.718.6 | 70.91.22.083.0 | |
| | | 791.04.045.25 | 70.91.11.718.6 | 70.91.22.072.0 | |
| | | 791.03.045.25 | 70.91.11.718.6 | 70.91.22.072.0 | |
| SN . X 12 07 .. | CMS 5 - S40J - CSKN L - 12 - IX 7 CMS 5 - S40J - CSKN R - 12 - IX 7 | 791.04.045.15 | 70.91.11.316.0 | 70.91.22.072.0 | |
| | | 791.03.045.15 | 70.91.11.316.0 | 70.91.22.072.0 | |
| SN . A 12 04 .. | CMS 5 - S40J - PSKN L - 12 - IP 4 CMS 5 - S40J - PSKN R - 12 - IP 4 | 791.04.045.18 | 70.91.15.005.0 | | 70.91.26.120.6 |
| | | 791.03.045.18 | 70.91.15.005.0 | | 70.91.26.120.6 |



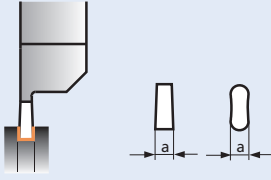
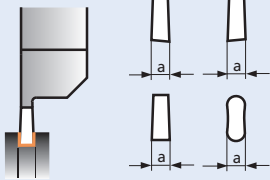
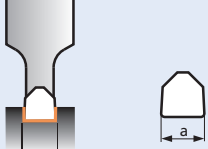
Stechwerkzeuge
Tools for grooving
Porte-outils pour la plongée de gorge



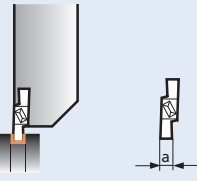
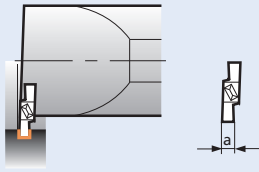
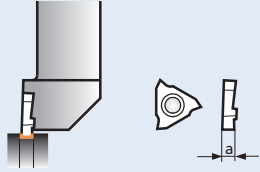
Inhaltsverzeichnis Stechwerkzeuge

Contents tools for grooving
 Table des matières porte-outils pour la plongée de gorge

Stechdrehen mit Keramik • Grooving with ceramic • Plongée de gorge avec céramique de coupe

| a = 4 - 5 mm | a = 6 - 10 mm | a = 10 - 25 mm |
|---|---|---|
|  |  |  |
| Seite · Page 138-141 | Seite · Page 142-144 | Seite · Page 145-147 |

Stechdrehen mit Cermet • Grooving with Cermet • Plongée de gorge avec Cermet de coupe

| a = 1,1 - 4,15 mm | a = 1,1 - 4,15 mm | a = 1,1 - 3,15 mm |
|---|---|---|
|  |  |  |
| Seite · Page 148-151 | Seite · Page 152-155 | Seite · Page 156-157 |

Inhaltsverzeichnis Stechwerkzeuge

Contents tools for grooving

Table des matières porte-outils pour la plongée de gorge



Keilriemenstechen mit Keramik • V-belt grooving with ceramic • Plongée de gorge avec céramique de coupe

| | | |
|---|--|--|
| <p>Profil KP 1 DIN 2211</p> <p>Seite · Page 158-159</p> | <p>Profil P 1 DIN 2211</p> <p>Seite · Page 158-159</p> | <p>Profil KP 1</p> <p>Seite · Page 160-161</p> |
| <p>Profil KP 2</p> <p>Seite · Page 162-163</p> | <p>Profil P 1</p> <p>Seite · Page 164-167</p> | <p>Profil P 2</p> <p>Seite · Page 168-169</p> |

Poly-V-Profil nach DIN 7867 • Poly-V profiles acc. to DIN 7867 • Profils poly-V selon DIN 7867

| | | | | |
|---|---|---|---|---|
| <p>J1, K1, L1</p> <p>Seite · Page 170-171</p> | <p>J1, K1, L1, M1</p> <p>Seite · Page 172-173</p> | <p>J4, L3</p> <p>Seite · Page 174-175</p> | <p>K3, K4</p> <p>Seite · Page 176-177</p> | <p>K5, K6</p> <p>Seite · Page 178-179</p> |
|---|---|---|---|---|

Stechwerkzeuge Tools for grooving Porte-outils pour la plongée de gorge

a = 4+5 mm

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung siehe Seite 140
Right hand model see page 140
Modèle à droite voir page 140

Spanwinkel $\gamma = 0^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Stechbreite Plunge width Largeur a (mm) | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----------------|---------------------|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f ₁ | f | h ₂ |
| 4,0 + 5,0 | 2525 | 25 | 25 | 150 | 36 | 23,5 | $f_1 + \frac{a}{2}$ | 36 |
| | 3225 | 32 | 25 | 170 | 36 | 23,5 | $f_1 + \frac{a}{2}$ | 43 |

| Stechbreite Plunge width Largeur a (mm) | Durchmesser- bereich Dia. range Diamètre gamme | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | | Stützplatte mit Schraube Shim with screw Plaquelette d'assise avec vis | Spannelement Clamping element Élément de serrage |
|--|---|---|---------------|--|--|
| | | 2525 | 3225 | | |
| 4,0 | | 712.78.168.18 | 712.78.128.18 | 70.91.23.538.0 | 70.91.11.222.0 |
| | 100-150 mm | 712.78.168.03 | 712.78.128.03 | 70.91.23.526.0 | 70.91.11.222.0 |
| | 100-200 mm | 712.78.168.04 | 712.78.128.04 | 70.91.23.398.0 | 70.91.11.222.0 |
| | 100-150 mm | 712.78.168.11 | 712.78.128.11 | 70.91.23.555.0 | 70.91.11.222.0 |
| | 100-200 mm | 712.78.168.12 | 712.78.128.12 | 70.91.23.556.0 | 70.91.11.222.0 |
| 5,0 | | 712.78.168.19 | 712.78.128.19 | 70.91.23.539.0 | 70.91.11.222.0 |
| | 100-200 mm | 712.78.168.05 | 712.78.128.05 | 70.91.23.399.0 | 70.91.11.222.0 |
| | 100-200 mm | 712.78.168.13 | 712.78.128.13 | 70.91.23.557.0 | 70.91.11.222.0 |

a = 4+5 mm

Schneidplatten
Inserts
Plaquettes de coupe

| Stechbreite Plunge width Largeur a (mm) | SPK- Bezeichnung SPK Designation Code de SPK | | Sorte Grade Nuance | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Form Style Forme | Abmessungen Dimensions Dimensions (mm) | | | |
|--|--|---------|------------------------------------|--|------------------------|--|-----|------|------|
| | r | h | l | | | | | | |
| 4,0 | GBMP 12A 040 | T 00520 | SH 2 SL 500 SN 60 | 36.22.100.03.7 36.22.100.03.0 36.22.100.03.5 | | 0,5 | 5,0 | 12,0 | |
| | | S 05015 | SH 2 | 36.22.100.31.7 | | | | | |
| 5,0 | GBMP 12A 050 | T 00520 | SH 2 SL 500 SN 60 | 36.22.101.03.7 36.22.101.03.0 36.22.101.03.5 | | | 0,8 | 5,0 | 12,0 |
| | | S 05015 | SH 2 | 36.22.101.31.7 | | | | | |
| 4,0 | LBMP 12A 040 | T 00520 | SH 2 SL 500 SN 60 WBN 750 | 36.22.107.03.7 36.22.107.03.0 36.22.107.03.5 16.78.206.03.8 | | | 2,0 | 5,0 | 12,0 |
| | | S 05015 | SH 2 | 36.22.107.31.7 | | | | | |
| 5,0 | LBMP 12A 050 | T 00520 | SH 2 SL 500 SN 60 WBN 750 | 36.22.108.03.7 36.22.108.03.0 36.22.108.03.5 16.78.217.03.8 | | | 2,5 | 5,0 | 12,0 |
| | | S 05015 | SH 2 | 36.22.108.31.7 | | | | | |

Stechwerkzeuge Tools for grooving Porte-outils pour la plongée de gorge

a = 4+5 mm

R **Rechtsausführung**
Right hand model
Modèle à droite

L **Linksausführung siehe Seite 138**
Left hand model see page 270
Modèle à gauche voir page 138

Spanwinkel $\gamma = 0^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

114

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

| Stechbreite Plunge width Largeur a (mm) | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----------------|---------------------|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f ₁ | f | h ₂ |
| 4,0 + 5,0 | 2525 | 25 | 25 | 150 | 36 | 23,5 | $f_1 + \frac{a}{2}$ | 36 |
| | 3225 | 32 | 25 | 170 | 36 | 23,5 | $f_1 + \frac{a}{2}$ | 43 |

| Stechbreite Plunge width Largeur a (mm) | Durchmesserbereich Dia. range Diamètre gamme | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Élément de serrage |
|--|--|---|---------------|--|--|
| | | 2525 | 3225 | | |
| 4,0 | | 712.77.168.18 | 712.77.128.18 | 70.91.23.531.0 | 70.91.11.221.0 |
| | | 712.77.168.03 | 712.77.128.03 | 70.91.23.546.0 | 70.91.11.221.0 |
| | | 712.77.168.04 | 712.77.128.04 | 70.91.23.547.0 | 70.91.11.221.0 |
| | | 712.77.168.11 | 712.77.128.11 | 70.91.23.528.0 | 70.91.11.221.0 |
| | | 712.77.168.12 | 712.77.128.12 | 70.91.23.357.0 | 70.91.11.221.0 |
| 5,0 | | 712.77.168.19 | 712.77.128.19 | 70.91.23.532.0 | 70.91.11.221.0 |
| | | 712.77.168.05 | 712.77.128.05 | 70.91.23.548.0 | 70.91.11.221.0 |
| | | 712.77.168.13 | 712.77.128.13 | 70.91.23.358.0 | 70.91.11.221.0 |

a = 4+5 mm

Schneidplatten
Inserts
Plaquettes de coupe

| Stechbreite Plunge width Largeur a (mm) | SPK- Bezeichnung SPK Designation Code de SPK | Sorte Grade Nuance | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Form Style Forme | Abmessungen Dimensions Dimensions (mm) | | |
|--|--|------------------------------------|--|------------------------|--|-----|------|
| | | | | | r | h | l |
| 4,0 | GBMP 12A 040 T 00520 | SH 2 SL 500 SN 60 | 36.22.100.03.7 36.22.100.03.0 36.22.100.03.5 | | 0,5 | 5,0 | 12,0 |
| | GBMP 12A 040 S 05015 | SH 2 | 36.22.100.31.7 | | | | |
| 5,0 | GBMP 12A 050 T 00520 | SH 2 SL 500 SN 60 | 36.22.101.03.7 36.22.101.03.0 36.22.101.03.5 | | 0,8 | 5,0 | 12,0 |
| | GBMP 12A 050 S 05015 | SH 2 | 36.22.101.31.7 | | | | |
| 4,0 | LBMP 12A 040 T 00520 | SH 2 SL 500 SN 60 WBN 750 | 36.22.107.03.7 36.22.107.03.0 36.22.107.03.5 16.78.206.03.8 | | 2,0 | 5,0 | 12,0 |
| | LBMP 12A 040 S 05015 | SH 2 | 36.22.107.31.7 | | | | |
| 5,0 | LBMP 12A 050 T 00520 | SH 2 SL 500 SN 60 WBN 750 | 36.22.108.03.7 36.22.108.03.0 36.22.108.03.5 16.78.217.03.8 | | 2,5 | 5,0 | 12,0 |
| | LBMP 12A 050 S 05015 | SH 2 | 36.22.108.31.7 | | | | |

Stechwerkzeuge Tools for grooving Porte-outils pour la plongée de gorge

a = 6, 7, 8, 10 mm

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung siehe Seite 144
Right hand model see page 144
Modèle à droite voir page 144

Spanwinkel $\gamma = 0^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Stechbreite Plunge width Largeur a (mm) | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----------------|---------------------|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f ₁ | f | h ₂ |
| 6,0 - 10,0 | 2525 | 25 | 25 | 150 | 36 | 23,5 | $f_1 + \frac{a}{2}$ | 36 |
| | 3225 | 32 | 25 | 170 | 36 | 23,5 | $f_1 + \frac{a}{2}$ | 43 |

| Stechbreite Plunge width Largeur a (mm) | Durchmesser- bereich Dia. range Diamètre gamme | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Élément de serrage |
|--|---|---|---------------|--|--|
| | | 2525 | 3225 | | |
| 6,0 + 7,0 | | 712.78.169.11 | 712.78.129.11 | 70.91.23.540.0 | 70.91.11.220.0 |
| | 100-200 mm | 712.78.169.01 | 712.78.129.01 | 70.91.23.369.0 | 70.91.11.220.0 |
| | 100-200 mm | 712.78.169.07 | 712.78.129.07 | 70.91.23.558.0 | 70.91.11.220.0 |
| 8,0 | | 712.78.169.12 | 712.78.129.12 | 70.91.23.541.0 | 70.91.11.220.0 |
| | 100-200 mm | 712.78.169.02 | 712.78.129.02 | 70.91.23.370.0 | 70.91.11.220.0 |
| | 100-200 mm | 712.78.169.08 | 712.78.129.08 | 70.91.23.559.0 | 70.91.11.220.0 |
| 10,0 | | 712.78.169.13 | 712.78.129.13 | 70.91.23.542.0 | 70.91.11.220.0 |
| | 100-200 mm | 712.78.169.03 | 712.78.129.03 | 70.91.23.371.0 | 70.91.11.220.0 |
| | 100-200 mm | 712.78.169.09 | 712.78.129.09 | 70.91.23.560.0 | 70.91.11.220.0 |

a = 6, 7, 8, 10 mm

Keramik-Schneidplatten Ceramic inserts Plaquettes de coupe céramique

| Stechbreite Plunge width Largeur a (mm) | SPK- Bezeichnung SPK Designation Code de SPK | | Sorte Grade Nuance | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Form Style Forme | Abmessungen Dimensions Dimensions (mm) | | |
|--|--|----------|------------------------------------|--|------------------------|--|-----|------|
| | r | h | l | | | | | |
| 6,0 | GBMP 15E 060 | T 00520 | SH 2 SL 500 SN 60 SN 80 | 36.70.768.03.7 36.70.768.03.0 36.70.768.03.5 36.70.768.03.4 | | 0,8 | 7,5 | 15,0 |
| | GBMP 15E 060 | S 05015 | SH 2 | 36.70.768.31.7 | | 0,8 | 7,5 | 15,0 |
| 7,0 | GBMP 15E 070 | T 00520 | SH 2 SL 500 SN 60 SN 80 | 36.70.769.03.7 36.70.769.03.0 36.70.769.03.5 36.70.769.03.4 | | 0,8 | 7,5 | 15,0 |
| 8,0 | GBMP 15E 080 | T 00520 | SH 2 SL 500 SN 60 SN 80 | 36.70.770.03.7 36.70.770.03.0 36.70.770.03.5 36.70.770.03.4 | | 0,8 | 7,5 | 15,0 |
| 10,0 | GBMP 15E 100 | T 00520 | SH 2 SL 500 SN 60 SN 80 | 36.70.900.03.7 36.70.900.03.0 36.70.900.03.5 36.70.900.03.4 | | 0,8 | 7,5 | 15,0 |
| 6,0 | LBMP 15E 060 | T 00520 | SH 2 SL 500 SN 60 WBN 750 | 36.70.903.03.7 36.70.903.03.0 36.70.903.03.5 16.78.220.03.8 | | 3,0 | 7,5 | 15,0 |
| | LBMP 15E 060 | S 05015 | SH 2 | 36.70.903.31.7 | | 3,5 | 7,5 | 15,0 |
| 7,0 | LBMP 15E 070 | T 00520 | SL 500 SN 60 | 36.70.872.03.0 36.70.872.03.5 | | 4,0 | 7,5 | 15,0 |
| 8,0 | LBMP 15E 080 | T 00520 | SL 500 SN 60 | 36.70.825.03.0 36.70.825.03.5 | | 5,0 | 7,5 | 15,0 |
| 10,0 | LBMP 15E 100 | T 00520 | SL 500 SN 60 | 36.70.904.03.0 36.70.904.03.5 | | | | |
| | LBMP 15E 100 | T 02020 | SL 500 | 36.70.904.04.0 | | | | |
| 6,0 | GBMP 15E 060 | TR 00520 | SN 60 | 36.70.787.03.5 | | 0,6 | 7,5 | 15,0 |
| 8,0 | GBMP 15E 080 | TR 00520 | SN 60 | 36.70.661.03.5 | | 0,6 | 7,5 | 15,0 |
| 6,0 | GBMP 15E 060 | TL 00520 | SN 60 | 36.70.786.03.5 | | 0,6 | 7,5 | 15,0 |
| 8,0 | GBMP 15E 080 | TL 00520 | SN 60 | 36.70.651.03.5 | | 0,6 | 7,5 | 15,0 |

Stechwerkzeuge Tools for grooving Porte-outils pour la plongée de gorge

a = 6, 7, 8, 10 mm

R **Rechtsausführung**
Right hand model
Modèle à droite

L **Linksausführung siehe Seite 142**
Left hand model see page 142
Modèle à gauche voir page 142

Spanwinkel $\gamma = 0^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Stechbreite Plunge width Largeur a (mm) | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----------------|---------------------|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f ₁ | f | h ₂ |
| 6,0 - 10,0 | 2525 | 25 | 25 | 150 | 36 | 23,5 | $f_1 + \frac{a}{2}$ | 36 |
| | 3225 | 32 | 25 | 170 | 36 | 23,5 | $f_1 + \frac{a}{2}$ | 43 |

| Stechbreite Plunge width Largeur a (mm) | Durchmesser- bereich Dia. range Diamètre gamme | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Élément de serrage |
|--|---|---|---------------|--|--|
| | | 2525 | 3225 | | |
| 6,0 + 7,0 | | 712.77.169.11 | 712.77.129.11 | 70.91.23.533.0 | 70.91.11.219.0 |
| | 100-200 mm | 712.77.169.01 | 712.77.129.01 | 70.91.23.549.0 | 70.91.11.219.0 |
| | 100-200 mm | 712.77.169.07 | 712.77.129.07 | 70.91.23.359.0 | 70.91.11.219.0 |
| 8,0 | | 712.77.169.12 | 712.77.129.12 | 70.91.23.534.0 | 70.91.11.219.0 |
| | 100-200 mm | 712.77.169.02 | 712.77.129.02 | 70.91.23.550.0 | 70.91.11.219.0 |
| | 100-200 mm | 712.77.169.08 | 712.77.129.08 | 70.91.23.360.0 | 70.91.11.219.0 |
| 10,0 | | 712.77.169.13 | 712.77.129.13 | 70.91.23.535.0 | 70.91.11.219.0 |
| | 100-200 mm | 712.77.169.03 | 712.77.129.03 | 70.91.23.551.0 | 70.91.11.219.0 |
| | 100-200 mm | 712.77.169.09 | 712.77.129.09 | 70.91.23.365.0 | 70.91.11.219.0 |

a = 6, 7, 8, 10 mm

Schneidplatten
inserts
Plaquettes de coupe

| Stechbreite Plunge width Largeur a (mm) | SPK- Bezeichnung SPK Designation Code de SPK | | Sorte Grade Nuance | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Form Style Forme | Abmessungen Dimensions Dimensions (mm) | | | |
|--|--|--------------|----------------------------------|--|------------------------|--|-----|------|------|
| | r | h | | | | l | | | |
| 6,0 | GBMP 15E 060 | T 00520 | SH 2 SL 500 SN 60 SN 80 | 36.70.768.03.7 36.70.768.03.0 36.70.768.03.5 36.70.768.03.4 | | 0,8 | 7,5 | 15,0 | |
| | GBMP 15E 060 | S 05015 | SH 2 | 36.70.768.31.7 | | 0,8 | 7,5 | 15,0 | |
| 7,0 | GBMP 15E 070 | T 00520 | SH 2 SL 500 SN 60 SN 80 | 36.70.769.03.7 36.70.769.03.0 36.70.769.03.5 36.70.769.03.4 | | 0,8 | 7,5 | 15,0 | |
| | 8,0 | GBMP 15E 080 | T 00520 | SH 2 SL 500 SN 60 SN 80 | | 36.70.770.03.7 36.70.770.03.0 36.70.770.03.5 36.70.770.03.4 | 0,8 | 7,5 | 15,0 |
| 10,0 | | GBMP 15E 100 | T 00520 | SH 2 SL 500 SN 60 SN 80 | | 36.70.900.03.7 36.70.900.03.0 36.70.900.03.5 36.70.900.03.4 | 0,8 | 7,5 | 15,0 |
| | 6,0 | LBMP 15E 060 | T 00520 | SH 2 SL 500 SN 60 WBN 750 | | 36.70.903.03.7 36.70.903.03.0 36.70.903.03.5 16.78.220.03.8 | | 3,0 | 7,5 |
| LBMP 15E 060 | | S 05015 | SH 2 | 36.70.903.31.7 | | 3,5 | | 7,5 | 15,0 |
| 7,0 | LBMP 15E 070 | T 00520 | SL 500 SN 60 | 36.70.872.03.0 36.70.872.03.5 | | 4,0 | | 7,5 | 15,0 |
| 8,0 | LBMP 15E 080 | T 00520 | SL 500 SN 60 | 36.70.825.03.0 36.70.825.03.5 | | 5,0 | | 7,5 | 15,0 |
| | 10,0 | LBMP 15E 100 | T 00520 | SL 500 SN 60 | | 36.70.904.03.0 36.70.904.03.5 | | 5,0 | 7,5 |
| LBMP 15E 100 | | T 02020 | SL 500 | 36.70.904.04.0 | 5,0 | 7,5 | | 15,0 | |
| 6,0 | GBMP 15E 060 | TR 00520 | SN 60 | 36.70.787.03.5 | | 0,6 | 7,5 | 15,0 | |
| 8,0 | GBMP 15E 080 | TR 00520 | SN 60 | 36.70.661.03.5 | | 0,6 | 7,5 | 15,0 | |
| 6,0 | GBMP 15E 060 | TL 00520 | SN 60 | 36.70.786.03.5 | | 0,6 | 7,5 | 15,0 | |
| 8,0 | GBMP 15E 080 | TL 00520 | SN 60 | 36.70.651.03.5 | | 0,6 | 7,5 | 15,0 | |

Stechwerkzeuge Tools for grooving Porte-outils pour la plongée de gorge

a = 10-25 mm

N **Neutralausführung**
Neutral model
Modèle symétrique

Spanwinkel $\gamma = 0^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Stechbreite Plunge width Largeur a (mm) | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | |
|--|--------------------------|--|----|----------------|----------------|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | h ₂ |
| 10,0 | 3232 | 32 | 32 | 170 | 20 | 42,0 |
| 12,0 | 3232 | 32 | 32 | 170 | 20 | 42,0 |
| 15,0 | 3232 | 32 | 32 | 170 | 30 | 42,0 |
| 19,0 | 4040 | 40 | 40 | 200 | 40 | 50,5 |
| 25,0 | 4040 | 40 | 40 | 200 | 40 | 54,0 |

| Stechbreite Plunge width Largeur a (mm) | SPK-Bezeichnung SPK designation Code de SPK | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Élément de serrage |
|--|---|---|------|--|--|
| | | 3232 | 4040 | | |
| 10,0 | CLFBN 3232 P - 100 | 710.75.012.05 | | 70.91.23.112.0 | 70.91.11.427.0 |
| 12,0 | CLFBN 3232 P - 120 | 710.75.013.05 | | 70.91.23.113.0 | 70.91.11.232.0 |
| 15,0 | CLFBN 3232 P - 150 | 710.75.014.05 | | 70.91.23.114.0 | 70.91.11.232.0 |
| 19,0 | CLFBN 4040 R - 190 | 710.75.015.05 | | 70.91.23.115.0 | 70.91.15.005.0 |
| 25,0 | CLFBN 4040 R - 250 | 710.75.016.05 | | 70.91.23.116.0 | 70.91.11.233.0 |

a = 10-25 mm

Keramik-Schneidplatten
 Ceramic inserts
 Plaquettes de coupe céramique

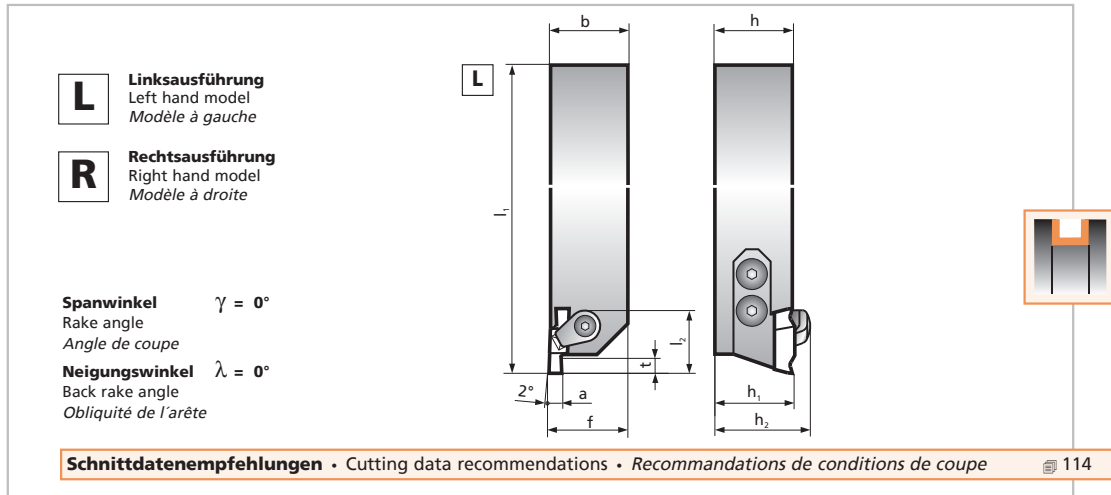
| Stechbreite Plunge width Largeur a (mm) | SPK- Bezeichnung SPK Designation Code de SPK | Sorte Grade Nuance | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Form Style Forme | Abmessungen Dimensions Dimensions (mm) | | |
|--|--|--------------------------|--|------------------------|--|------|------|
| | | | | | r | h | l |
| 10,0 | NBMN 12F 100 T 02020 | SH 2 SN 80 | 36.22.267.04.7 36.22.267.04.4 | | 1,2 | 7,94 | 12,0 |
| 12,0 | NBMN 12F 120 T 02020 | SH 2 SN 80 | 36.22.268.04.7 36.22.268.04.4 | | 1,2 | 7,94 | 12,7 |
| 15,0 | NBMN 15F 150 T 02020 | SH 2 SN 80 | 36.22.269.04.7 36.22.269.04.4 | | 1,2 | 7,94 | 15,5 |
| 19,0 | NBMN 19F 190 T 02020 | SH 2 SN 80 | 36.22.270.04.7 36.22.270.04.4 | | 1,2 | 7,94 | 19,0 |
| 25,0 | NBMN 24F 250 T 02020 | SH 2 SN 80 | 36.22.271.04.7 36.22.271.04.4 | | 1,2 | 7,94 | 23,0 |

Stechwerkzeuge

Tools for grooving

Porte-outils pour la plongée de gorge

a = 1,1-4,15 mm



| Stechbreite Plunge width Largeur a (mm) | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|------------------|----|----------------|----------------|------|----------------|
| | | t | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ |
| 1,1 - 1,6 | 2525 | 2,3 | 25 | 25 | 150 | 20 | 25,5 | 30 |
| 1,85 - 2,65 | 2525 | 3,0 | 25 | 25 | 150 | 20 | 25,5 | 30 |
| 3,15 | 2525 | 5,0 | 25 | 25 | 150 | 20 | 25,5 | 30 |
| 4,15 | 2525 | 6,0 | 25 | 25 | 150 | 20 | 25,5 | 30 |

| Stechbreite Plunge width Largeur a (mm) | SPK-Bezeichnung SPK designation Code de SPK | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Élément de serrage |
|--|---|---|--|--|
| 1,1 - 1,6 | CLFDL 2525 M 110 - 50 | 717.78.004.03 | 70.91.22.074.0 | 70.91.11.321.0 |
| | CLFDR 2525 M 110 - 50 | 717.77.004.03 | 70.91.22.073.0 | 70.91.11.321.0 |
| 1,85 - 2,65 | CLFDL 2525 M 185 - 55 | 717.78.006.04 | 70.91.22.076.0 | 70.91.11.321.0 |
| | CLFDR 2525 M 185 - 55 | 717.77.006.04 | 70.91.22.075.0 | 70.91.11.321.0 |
| 3,15 - 4,15 | CLFDL 2525 M 315 - 65 | 717.78.012.04 | 70.91.22.078.0 | 70.91.11.322.0 |
| | CLFDR 2525 M 315 - 65 | 717.77.012.04 | 70.91.22.077.0 | 70.91.11.322.0 |

a = 1,1-4,15 mm

Cermet-Schneidplatten
Cermet inserts
Plaquettes de coupe Cermet

| Stechbreite Plunge width Largeur a (mm) | SPK- Bezeichnung SPK Designation Code de SPK | Sorte Grade Nuance | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Form Style Forme | Abmessungen (mm) Dimensions Dimensions | | | | | | | | | | | |
|--|--|--------------------------|--|------------------------|--|----------------|-----|-----|----|-----|--|-----|-----|-----|----|-----|
| | | | | | t | a _i | h | l | r | | | | | | | |
| 1,1 ^{+0,14 +0,05} | LDGX 1250 | 110 L | SC 40 | 46.26.000.40.4 | | 2,3 | 4,0 | 5,0 | 12 | 0,1 | | | | | | |
| | | 110 R | SC 40 | 46.26.001.40.4 | | | | | | | | | | | | |
| 1,3 ^{+0,14 +0,05} | LDGX 1250 | 130 L | SC 40 | 46.26.002.40.4 | | | | | | | | | | | | |
| | | 130 R | SC 40 | 46.26.003.40.4 | | | | | | | | | | | | |
| 1,6 ^{+0,14 +0,05} | LDGX 1250 | 160 L | SC 40 | 46.26.004.40.4 | | | | | | | | | | | | |
| | | 160 R | SC 40 | 46.26.005.40.4 | | | | | | | | | | | | |
| 1,85 ^{+0,14 +0,05} | LDGX 1555 | 185 L | SC 40 | 46.26.006.40.4 | | | | | | | | 3,0 | 4,5 | 5,5 | 15 | 0,2 |
| | | 185 R | SC 40 | 46.26.026.40.4 | | | | | | | | | | | | |
| 2,15 ^{+0,14 +0,05} | LDGX 1555 | 215 L | SC 40 | 46.26.008.40.4 | | | | | | | | | | | | |
| | | 215 R | SC 40 | 46.26.009.40.4 | | | | | | | | | | | | |
| 2,65 ^{+0,14 +0,05} | LDGX 1555 | 265 L | SC 40 | 46.26.010.40.4 | | | | | | | | | | | | |
| | | 265 R | SC 40 | 46.26.011.40.4 | | | | | | | | | | | | |
| 3,15 ^{+0,18 +0,05} | LDGX 2165 | 315 L | SC 40 | 46.26.012.40.4 | <p>* Im eingebauten Zustand im Klemmhalter 0° When mounted in toolholder 0° Après montage dans le porte-outil 0°</p> | 5,0 | 5,8 | 6,5 | 21 | 0,2 | | | | | | |
| | | 315 R | SC 40 | 46.26.013.40.4 | | | | | | | | | | | | |
| 4,15 ^{+0,18 +0,05} | LDGX 2165 | 415 L | SC 40 | 46.26.021.40.4 | | | | | | | | | | | | |
| | | 415 R | SC 40 | 46.26.022.40.4 | | | | | | | | | | | | |

Stechwerkzeuge

Tools for grooving

Porte-outils pour la plongée de gorge

a = 1,1-4,15 mm

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = 0^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Stechbreite Plunge width <i>Largeur</i> a (mm) | Schaft Shank <i>Corps</i> | Abmessungen • Dimensions • <i>Dimensions</i> (mm) | | | | | | |
|---|---------------------------------|---|------------------|----|----------------|----------------|------|----------------|
| | | t | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ |
| 1,1 - 1,6 | 3225 | 2,3 | 32 | 25 | 170 | 20 | 25,5 | 37 |
| 1,85 - 2,65 | 3225 | 3,0 | 32 | 25 | 170 | 20 | 25,5 | 37 |
| 3,15 | 3225 | 5,0 | 32 | 25 | 170 | 20 | 25,5 | 37 |
| 4,15 | 3225 | 6,0 | 32 | 25 | 170 | 20 | 25,5 | 37 |

| Stechbreite Plunge width <i>Largeur</i> a (mm) | SPK-Bezeichnung SPK designation <i>Code de SPK</i> | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Stützplatte mit Schraube Shim with screw <i>Plaquette d'assise avec vis</i> | Spannelement Clamping element <i>Élément de serrage</i> |
|---|--|--|---|---|
| 1,1 - 1,6 | CLFDL 3225 P 110 - 50 | 717.78.005.03 | 70.91.22.074.0 | 70.91.11.321.0 |
| | CLFDR 3225 P 110 - 50 | 717.77.005.03 | 70.91.22.073.0 | 70.91.11.321.0 |
| 1,85 - 2,65 | CLFDL 3225 P 185 - 55 | 717.78.007.04 | 70.91.22.076.0 | 70.91.11.321.0 |
| | CLFDR 3225 P 185 - 55 | 717.77.007.04 | 70.91.22.075.0 | 70.91.11.321.0 |
| 3,15 - 4,15 | CLFDL 3225 P 315 - 65 | 717.78.009.04 | 70.91.22.078.0 | 70.91.11.322.0 |
| | CLFDR 3225 P 315 - 65 | 717.77.009.04 | 70.91.22.077.0 | 70.91.11.322.0 |

a = 1,1-4,15 mm

Cermet-Schneidplatten
Cermet inserts
Plaquettes de coupe Cermet

| Stechbreite Plunge width Largeur a (mm) | SPK- Bezeichnung SPK Designation Code de SPK | Sorte Grade Nuance | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Form Style Forme | Abmessungen (mm) Dimensions Dimensions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--------------------------|--|------------------------|--|----------------|-----|-----|----|-----|--|-----|-----|-----|----|-----|--|-----|-----|-----|----|-----|--|-----|-----|-----|----|-----|--|-----|-----|-----|----|-----|
| | | | | | t | a ₁ | h | l | r | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,1 ^{+0,14 +0,05} | LDGX 1250 | 110 L | SC 40 | 46.26.000.40.4 | | 2,3 | 4,0 | 5,0 | 12 | 0,1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 110 R | SC 40 | 46.26.001.40.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,3 ^{+0,14 +0,05} | LDGX 1250 | 130 L | SC 40 | 46.26.002.40.4 | | | | | | | | 2,3 | 4,0 | 5,0 | 12 | 0,1 | | | | | | | | | | | | | | | | | | |
| | | 130 R | SC 40 | 46.26.003.40.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,6 ^{+0,14 +0,05} | LDGX 1250 | 160 L | SC 40 | 46.26.004.40.4 | | | | | | | | | | | | | | 2,3 | 4,0 | 5,0 | 12 | 0,1 | | | | | | | | | | | | |
| | | 160 R | SC 40 | 46.26.005.40.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,85 ^{+0,14 +0,05} | LDGX 1555 | 185 L | SC 40 | 46.26.006.40.4 | | | | | | | | | | | | | | | | | | | | 3,0 | 4,5 | 5,5 | 15 | 0,2 | | | | | | |
| | | 185 R | SC 40 | 46.26.026.40.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,15 ^{+0,14 +0,05} | LDGX 1555 | 215 L | SC 40 | 46.26.008.40.4 | | | | | | | | | | | | | | | | | | | | | | | | | | 3,0 | 4,5 | 5,5 | 15 | 0,2 |
| | | 215 R | SC 40 | 46.26.009.40.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,65 ^{+0,14 +0,05} | LDGX 1555 | 265 L | SC 40 | 46.26.010.40.4 | | 3,0 | 4,5 | 5,5 | 15 | 0,2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 265 R | SC 40 | 46.26.011.40.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3,15 ^{+0,18 +0,05} | LDGX 2165 | 315 L | SC 40 | 46.26.012.40.4 | | | | | | | | 5,0 | 5,8 | 6,5 | 21 | 0,2 | | | | | | | | | | | | | | | | | | |
| | | 315 R | SC 40 | 46.26.013.40.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,15 ^{+0,18 +0,05} | LDGX 2165 | 415 L | SC 40 | 46.26.021.40.4 | | | | | | | | | | | | | | 5,0 | 5,8 | 6,5 | 21 | 0,2 | | | | | | | | | | | | |
| | | 415 R | SC 40 | 46.26.022.40.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* Im eingebauten Zustand
im Klemhalter 0°
When mounted into toolholder 0°
Après montage dans le
porte-outil 0°

Stechwerkzeuge

Tools for grooving

Porte-outils pour la plongée de gorge

a = 1,1-4,15 mm

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = +10^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Stechbreite Plunge width Largeur a (mm) | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----|----------------|----------------|------|----|----------------|------------------|
| | | t | d | l ₁ | l ₂ | f | h | h ₁ | D _{min} |
| 1,1 - 1,6 | Ø 20 | 2,3 | 20 | 160 | 28 | 8 | 19 | 10,5 | 16 |
| 1,85 - 2,65 | Ø 25 | 3,0 | 25 | 180 | 35 | 10 | 23 | 12,5 | 20 |
| 3,15 | Ø 32 | 5,0 | 32 | 200 | 43 | 12,5 | 30 | 16 | 25 |
| 4,15 | Ø 32 | 6,0 | 32 | 200 | 43 | 12,5 | 30 | 16 | 25 |

| Stechbreite Plunge width Largeur a (mm) | Schaft Shank Corps | SPK-Bezeichnung SPK designation Code de SPK | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Spannelement Clamping element Élément de serrage |
|--|--------------------------|---|---|--|
| 1,1 - 1,6 | Ø 20 | S20N - CLFDL 110 - 50 | 757.78.001.03 | 70.91.11.321.0 |
| | | S20N - CLFDR 110 - 50 | 757.77.001.03 | 70.91.11.321.0 |
| 1,85 - 2,65 | Ø 25 | S25Q - CLFDL 185 - 55 | 757.78.002.03 | 70.91.11.321.0 |
| | | S25Q - CLFDR 185 - 55 | 757.77.002.03 | 70.91.11.321.0 |
| 3,15 | Ø 32 | S32R - CLFDL 315 - 65 | 757.78.004.04 | 70.91.11.322.0 |
| | | S32R - CLFDR 315 - 65 | 757.77.004.04 | 70.91.11.322.0 |
| 4,15 | Ø 32 | S32R - CLFDL 415 - 65 | 757.78.005.04 | 70.91.11.322.0 |
| | | S32R - CLFDR 415 - 65 | 757.77.005.04 | 70.91.11.322.0 |

a = 1,1-4,15 mm

Cermet-Schneidplatten
Cermet inserts
Plaquettes de coupe Cermet

| Stechbreite Plunge width Largeur a (mm) | SPK- Bezeichnung SPK Designation Code de SPK | Sorte Grade Nuance | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Form Style Forme | Abmessungen (mm) Dimensions Dimensions | | | | | | |
|--|--|--------------------------|--|------------------------|--|---|-----|-----|-----|-----|-----|
| | | | | | t | a _i | h | l | r | | |
| 1,1 ^{+0,14} _{+0,05} | LDGX 1250 | 110 L | SC 40 | 46.26.000.40.4 | | 2,3 | 4,0 | 5,0 | 12 | 0,1 | |
| | | 110 R | SC 40 | 46.26.001.40.4 | | | | | | | |
| 1,3 ^{+0,14} _{+0,05} | LDGX 1250 | 130 L | SC 40 | 46.26.002.40.4 | | | | | | | |
| | | 130 R | SC 40 | 46.26.003.40.4 | | | | | | | |
| 1,6 ^{+0,14} _{+0,05} | LDGX 1250 | 160 L | SC 40 | 46.26.004.40.4 | | | | | | | |
| | | 160 R | SC 40 | 46.26.005.40.4 | | | | | | | |
| 1,85 ^{+0,14} _{+0,05} | LDGX 1555 | 185 L | SC 40 | 46.26.006.40.4 | | <p>* Im eingebauten Zustand im Klemhalter 0° When mounted in toolholder 0° Après montage dans le porte-outil 0°</p> | 3,0 | 4,5 | 5,5 | 15 | 0,2 |
| | | 185 R | SC 40 | 46.26.026.40.4 | | | | | | | |
| 2,15 ^{+0,14} _{+0,05} | LDGX 1555 | 215 L | SC 40 | 46.26.008.40.4 | | | | | | | |
| | | 215 R | SC 40 | 46.26.009.40.4 | | | | | | | |
| 2,65 ^{+0,14} _{+0,05} | LDGX 1555 | 265 L | SC 40 | 46.26.010.40.4 | | | | | | | |
| | | 265 R | SC 40 | 46.26.011.40.4 | | | | | | | |
| 3,15 ^{+0,18} _{+0,05} | LDGX 2165 | 315 L | SC 40 | 46.26.012.40.4 | | | 5,0 | 5,8 | 6,5 | 21 | 0,2 |
| | | 315 R | SC 40 | 46.26.013.40.4 | | | | | | | |
| 4,15 ^{+0,18} _{+0,05} | LDGX 2165 | 415 L | SC 40 | 46.26.021.40.4 | | | 6,0 | 5,8 | 6,5 | 21 | 0,2 |
| | | 415 R | SC 40 | 46.26.022.40.4 | | | | | | | |

Stechwerkzeuge

Tools for grooving

Porte-outils pour la plongée de gorge

a = 1,1-4,15 mm

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = +10^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
114

| Stechbreite Plunge width <i>Largeur</i> a (mm) | Schaft Shank <i>Corps</i> Ø 40 | Abmessungen • Dimensions • <i>Dimensions</i> (mm) | | | | | | | |
|---|---|---|----|----------------|----------------|----|------|----------------|------------------|
| | | t | d | l ₁ | l ₂ | f | h | h ₁ | D _{min} |
| 1,1 - 1,6 | Ø 40 | 2,3 | 40 | 250 | 39 | 37 | 18,5 | 23 | 50 |
| 1,85 - 2,65 | Ø 40 | 3,0 | 40 | 250 | 39 | 37 | 18,5 | 24 | 50 |
| 3,15 | Ø 40 | 5,0 | 40 | 250 | 39 | 37 | 18,5 | 27 | 50 |
| 4,15 | Ø 40 | 6,0 | 40 | 250 | 39 | 37 | 18,5 | 27 | 50 |

| Stechbreite Plunge width <i>Largeur</i> a (mm) | Schaft Shank <i>Corps</i> Ø 40 | SPK-Bezeichnung SPK designation Code de SPK | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Stützplatte mit Schraube Shim with screw <i>Plaquette d'assise</i> avec vis | Spannelement Clamping element <i>Élément de serrage</i> |
|---|---|---|--|---|---|
| 1,1 - 1,6 | Ø 40 | S40S - CLFDL 110 - 50 | 757.78.014.03 | 70.91.22.089.0 | 70.91.11.321.0 |
| | | S40S - CLFDR 110 - 50 | 757.77.014.03 | 70.91.22.088.0 | 70.91.11.321.0 |
| 1,85 - 2,65 | Ø 40 | S40S - CLFDL 185 - 55 | 757.78.015.03 | 70.91.22.091.0 | 70.91.11.321.0 |
| | | S40S - CLFDR 185 - 55 | 757.77.015.03 | 70.91.22.090.0 | 70.91.11.321.0 |
| 3,15 - 4,15 | Ø 40 | S40S - CLFDL 315 - 65 | 757.78.016.04 | 70.91.22.093.0 | 70.91.11.322.0 |
| | | S40S - CLFDR 315 - 65 | 757.77.016.04 | 70.91.22.092.0 | 70.91.11.322.0 |

a = 1,1-4,15 mm

Cermet-Schneidplatten
Cermet inserts
Plaquettes de coupe Cermet

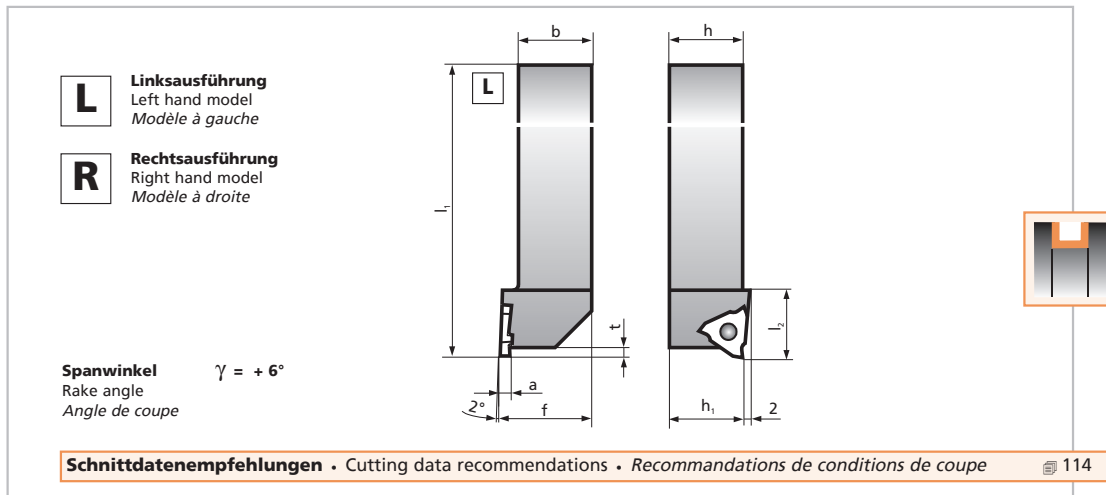
| Stechbreite Plunge width Largeur a (mm) | SPK- Bezeichnung SPK Designation Code de SPK | Sorte Grade Nuance | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Form Style Forme | Abmessungen (mm) Dimensions Dimensions | | | | | | | | |
|--|--|--------------------------|--|------------------------|--|--|--|--|-----|-----|-----|-----|-----|
| | | | | | t | a ₁ | h | l | r | | | | |
| 1,1 ^{+0,14} _{+0,05} | LDGX 1250 | 110 L | SC 40 | 46.26.000.40.4 | <p>* Im eingebauten Zustand im Klemmhalter 0° When mounted in toolholder 0° Après montage dans le porte-outil 0°</p> | 2,3 | 4,0 | 5,0 | 12 | 0,1 | | | |
| | | 110 R | SC 40 | 46.26.001.40.4 | | | | | | | | | |
| 1,3 ^{+0,14} _{+0,05} | | 130 L | SC 40 | 46.26.002.40.4 | | 3,0 | 4,5 | 5,5 | 15 | 0,2 | | | |
| | | 130 R | SC 40 | 46.26.003.40.4 | | | | | | | | | |
| 1,6 ^{+0,14} _{+0,05} | | 160 L | SC 40 | 46.26.004.40.4 | | <p>* Im eingebauten Zustand im Klemmhalter 0° When mounted in toolholder 0° Après montage dans le porte-outil 0°</p> | 5,0 | 5,8 | 6,5 | 21 | 0,2 | | |
| | | 160 R | SC 40 | 46.26.005.40.4 | | | | | | | | | |
| 1,85 ^{+0,14} _{+0,05} | LDGX 1555 | 185 L | SC 40 | 46.26.006.40.4 | | | <p>* Im eingebauten Zustand im Klemmhalter 0° When mounted in toolholder 0° Après montage dans le porte-outil 0°</p> | 6,0 | 5,8 | 6,5 | 21 | 0,2 | |
| | | 185 R | SC 40 | 46.26.026.40.4 | | | | | | | | | |
| 2,15 ^{+0,14} _{+0,05} | | 215 L | SC 40 | 46.26.008.40.4 | | | | 5,0 | 5,8 | 6,5 | 21 | 0,2 | |
| | | 215 R | SC 40 | 46.26.009.40.4 | | | | | | | | | |
| 2,65 ^{+0,14} _{+0,05} | | 265 L | SC 40 | 46.26.010.40.4 | <p>* Im eingebauten Zustand im Klemmhalter 0° When mounted in toolholder 0° Après montage dans le porte-outil 0°</p> | | | 6,0 | 5,8 | 6,5 | 21 | 0,2 | |
| | | 265 R | SC 40 | 46.26.011.40.4 | | | | | | | | | |
| 3,15 ^{+0,18} _{+0,05} | LDGX 2165 | 315 L | SC 40 | 46.26.012.40.4 | | | | <p>* Im eingebauten Zustand im Klemmhalter 0° When mounted in toolholder 0° Après montage dans le porte-outil 0°</p> | 6,0 | 5,8 | 6,5 | 21 | 0,2 |
| | | 315 R | SC 40 | 46.26.013.40.4 | | | | | | | | | |
| 4,15 ^{+0,18} _{+0,05} | | 415 L | SC 40 | 46.26.021.40.4 | | 6,0 | | | 5,8 | 6,5 | 21 | 0,2 | |
| | | 415 R | SC 40 | 46.26.022.40.4 | | | | | | | | | |

Stechwerkzeuge

Tools for grooving

Porte-outils pour la plongée de gorge

a = 1,1-3,15 mm



| Stechbreite Plunge width Largeur a (mm) | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|------------------|----|----------------|----------------|----|
| | | t | h=h ₁ | b | l ₁ | l ₂ | f |
| 1,1 - 1,6 | 1616 | 2,0 | 16 | 16 | 100 | 18,5 | 20 |
| 1,85 - 2,15 | | 2,5 | | | | | |
| 2,65 - 3,15 | | 3,0 | | | | | |
| 1,1 - 1,6 | 2020 | 2,0 | 20 | 20 | 125 | 18,5 | 25 |
| 1,85 - 2,15 | | 2,5 | | | | | |
| 2,65 - 3,15 | | 3,0 | | | | | |
| 1,1 - 1,6 | 2525 | 2,0 | 25 | 25 | 150 | 20 | 32 |
| 1,85 - 2,15 | | 2,5 | | | | | |
| 2,65 - 3,15 | | 3,0 | | | | | |

| Stechbreite Plunge width Largeur a (mm) | Schaft Shank Corps | SPK-Bezeichnung SPK designation Code de SPK | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Spannschraube Clamping bolt Vis de serrage |
|--|--------------------------|---|---|--|
| 1,1 - 3,15 | 1616 | STFPL 1616 H 16 | 717.18.004.02 | 70.91.50.151.0 |
| | 1616 | STFPR 1616 H 16 | 717.17.004.02 | 70.91.50.151.0 |
| 1,1 - 3,15 | 2020 | STFPL 2020 K 16 | 717.18.008.02 | 70.91.50.151.0 |
| | 2020 | STFPR 2020 K 16 | 717.17.008.02 | 70.91.50.151.0 |
| 1,1 - 3,15 | 2525 | STFPL 2525 M 16 | 717.18.001.02 | 70.91.50.151.0 |
| | 2525 | STFPR 2525 M 16 | 717.17.001.02 | 70.91.50.151.0 |

Cermet-Schneidplatten Cermet inserts Plaquettes de coupe Cermet

a = 1,1-3,15 mm

| Stechbreite Plunge width Largeur a (mm) | SPK- Bezeichnung SPK Designation Code de SPK | Sorte Grade Nuance | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Form Style Forme | Abmessungen (mm) Dimensions Dimensions | | | | |
|--|--|--------------------------|--|------------------------|--|------|-----|--------------|--------------|
| | | | | | s | t | r | c | |
| 1,1 ^{+0,14} _{+0,05} | TPGX 1603 | 110 L | SC 40 | 46.32.529.40.4 | <p>* Im eingebauten Zustand im Klemmhalter 0° When mounted in toolholder 0° Après montage dans le porte-outil 0°</p> | 3,18 | 2,0 | - | 0,05-0,1x45° |
| | | 110 R | SC 40 | 46.32.514.40.4 | | 3,18 | 2,0 | - | 0,05-0,1x45° |
| 1,3 ^{+0,14} _{+0,05} | 130 L | SC 40 | 46.32.530.40.4 | 3,18 | | 2,0 | - | 0,05-0,1x45° | |
| | 130 R | SC 40 | 46.32.515.40.4 | 3,18 | | 2,0 | - | 0,05-0,1x45° | |
| 1,6 ^{+0,14} _{+0,05} | 160 L | SC 40 | 46.32.531.40.4 | 3,18 | | 2,0 | - | 0,05-0,1x45° | |
| | 160 R | SC 40 | 46.32.516.40.4 | 3,18 | | 2,5 | - | 0,05-0,1x45° | |
| 1,85 ^{+0,14} _{+0,05} | 185 L | SC 40 | 46.32.532.40.4 | 3,18 | | 2,5 | - | 0,05-0,1x45° | |
| | 185 R | SC 40 | 46.32.525.40.4 | 3,18 | | 2,5 | - | 0,05-0,1x45° | |
| 2,15 ^{+0,14} _{+0,05} | 215 L | SC 40 | 46.32.533.40.4 | 3,18 | | 2,5 | - | 0,05-0,1x45° | |
| | 215 R | SC 40 | 46.32.526.40.4 | 3,18 | | 3,0 | 0,2 | - | |
| 2,65 ^{+0,14} _{+0,05} | 265 L | SC 40 | 46.32.534.40.4 | 3,18 | 3,0 | 0,2 | - | | |
| | 265 R | SC 40 | 46.32.527.40.4 | 3,18 | 3,0 | 0,2 | - | | |
| 3,15 ^{+0,18} _{+0,05} | 315 L | SC 40 | 46.32.535.40.4 | 3,40 | 3,0 | 0,2 | - | | |
| | 315 R | SC 40 | 46.32.528.40.4 | 3,40 | 3,0 | 0,2 | - | | |

Stechwerkzeuge Tools for grooving Porte-outils pour la plongée de gorge

Profil DIN 2211

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

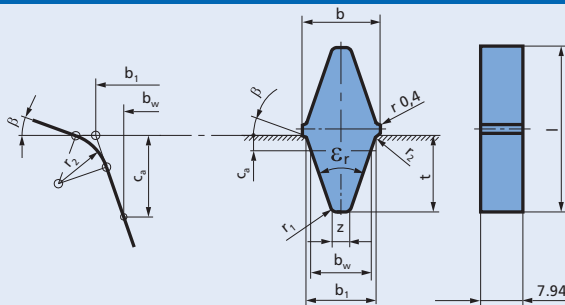
Spanwinkel $\gamma = -8^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
114

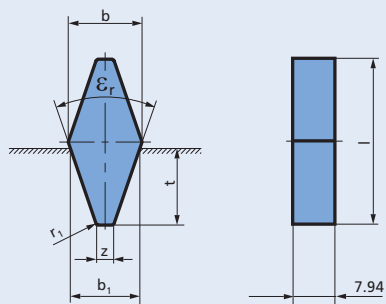
| DIN 2211 ϵ_r | SPK-Schneidplatte SPK insert <i>Plaquettes SPK</i> | | Ausführung Model <i>Modèle</i> | SPK-Best. Nr. SPK ref. no <i>N° de réf. SPK</i> | Abmessungen Dimensions <i>Dimensions (mm)</i> | | | | Stützplatte mit Schraube Shim with screw <i>Plaquette d'assise avec vis</i> | Spannelement Clamping element <i>Élément de serrage</i> | |
|--------------------------|--|----------------|--------------------------------------|---|---|----------------|----------------|----------------|--|---|----------------|
| | P 1 | KP 1 | | | b | l ₂ | f ₁ | f ₂ | | | |
| 34° | SPZ | 36.70.699.04.5 | L | 710.64.030.45 | 32 | 38 | 22 | 32 | 70.91.53.830.0 | 70.91.11.134.0 | |
| | | | R | 710.63.030.45 | | | | | | | |
| | SPA | 36.70.697.04.5 | L | 710.64.032.45 | 32 | 40 | 22 | 32 | 70.91.53.832.0 | 70.91.11.134.0 | |
| | | | R | 710.63.032.45 | | | | | | | |
| SPB | 36.70.714.04.5 | 36.71.259.04.5 | L | 710.64.034.45 | 32 | 50 | 22 | 34 | 70.91.53.834.0 | 70.91.11.134.0 | |
| | | | R | 710.63.034.45 | | | | | | | |
| SPC | 36.70.716.04.5 | 36.71.260.04.5 | L | 710.64.036.45 | 36 | 59 | 23 | 36 | 70.91.53.836.0 | 70.91.11.134.0 | |
| | | | R | 710.63.036.45 | | | | | | | |
| 38° | SPZ | 36.70.700.04.5 | L | 710.64.031.45 | 32 | 38 | 24 | 32 | 70.91.53.831.0 | 70.91.11.134.0 | |
| | | | R | 710.63.031.45 | | | | | | | |
| | SPA | 36.70.698.04.5 | 36.71.262.04.5 | L | 710.64.033.45 | 32 | 40 | 22 | 33 | 70.91.53.833.0 | 70.91.11.134.0 |
| | | | | R | 710.63.033.45 | | | | | | |
| | SPB | 36.70.715.04.5 | 36.71.263.04.5 | L | 710.64.035.45 | 32 | 45 | 22 | 34 | 70.91.53.835.0 | 70.91.11.134.0 |
| | | | | R | 710.63.035.45 | | | | | | |
| | SPC | 36.70.717.04.5 | 36.71.264.04.5 | L | 710.64.037.45 | 36 | 59 | 23 | 36 | 70.91.53.837.0 | 70.91.11.134.0 |
| | | | | R | 710.63.037.45 | | | | | | |

Profil KP 1 34°, 38° DIN 2211



| ϵ_r | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Sorte Grade Nuance | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | | |
|--------------|--|--------------------------|--|-------|------|-------|-----|------|------|---------|-------|-------|-----|
| | | | b_w | b_1 | t | c_a | b | l | z | β | r_1 | r_2 | |
| 34° | SPA | 36.71.258.04.5 | SN 60 | 11,0 | 12,7 | 14,0 | 2,8 | 14,5 | 32,0 | 4,14 | 20° | 1,0 | 1,0 |
| 34° | SPB | 36.71.259.04.5 | SN 60 | 14,0 | 16,3 | 18,0 | 3,5 | 18,5 | 40,0 | 5,29 | 20° | 1,5 | 1,0 |
| 34° | SPC | 36.71.260.04.5 | SN 60 | 19,0 | 22,0 | 24,0 | 4,8 | 24,5 | 52,0 | 7,32 | 20° | 2,0 | 1,0 |
| 34° | SPZ | 36.71.257.04.5 | SN 60 | 8,5 | 9,7 | 11,0 | 2,0 | 11,5 | 26,0 | 2,97 | 20° | 1,0 | 1,0 |
| 38° | SPA | 36.71.262.04.5 | SN 60 | 11,0 | 12,9 | 14,3 | 2,8 | 14,5 | 32,0 | 3,06 | 20° | 1,0 | 1,0 |
| 38° | SPB | 36.71.263.04.5 | SN 60 | 14,0 | 16,3 | 18,0 | 3,5 | 18,5 | 40,0 | 3,90 | 20° | 1,5 | 1,0 |
| 38° | SPC | 36.71.264.04.5 | SN 60 | 19,0 | 22,0 | 24,0 | 4,8 | 24,5 | 52,0 | 5,47 | 20° | 2,0 | 1,0 |
| 38° | SPZ | 36.71.214.04.5 | SN 60 | 8,5 | 9,7 | 11,0 | 2,0 | 11,5 | 25,5 | 2,17 | 20° | 1,0 | 1,0 |

Profil P 1 34°, 38° DIN 2211



| ϵ_r | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Sorte Grade Nuance | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--------------|--|--------------------------|--|------|------|-------|------|-------|-----|
| | | | b_w | t | b | l | z | r_1 | |
| 34° | SPA | 36.70.697.04.5 | SN 60 | 12,7 | 14,0 | 13,82 | 32,0 | 4,04 | 1,0 |
| 34° | SPB | 36.70.714.04.5 | SN 60 | 16,3 | 18,0 | 17,52 | 40,0 | 5,29 | 1,5 |
| 34° | SPC | 36.70.716.04.5 | SN 60 | 22,0 | 24,0 | 23,22 | 52,0 | 7,32 | 2,0 |
| 34° | SPZ | 36.70.699.04.5 | SN 60 | 9,7 | 11,0 | 10,92 | 26,0 | 2,97 | 1,0 |
| 38° | SPA | 36.70.698.04.5 | SN 60 | 12,7 | 14,0 | 14,08 | 32,0 | 3,06 | 1,0 |
| 38° | SPB | 36.70.715.04.5 | SN 60 | 16,3 | 18,0 | 17,68 | 40,0 | 3,91 | 1,5 |
| 38° | SPC | 36.70.717.04.5 | SN 60 | 22,0 | 24,0 | 23,38 | 52,0 | 5,47 | 2,0 |
| 38° | SPZ | 36.70.700.04.5 | SN 60 | 9,7 | 11,0 | 11,07 | 26,0 | 2,12 | 1,0 |

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -8^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

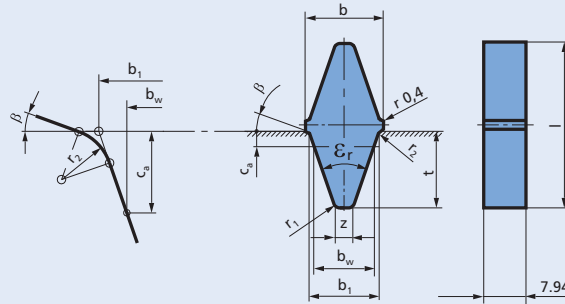
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Profil KP 1 ϵ_r | SPK-Schneidplatte SPK insert Plaquettes SPK | Ausführung Modél Modèle | SPK-Best. Nr. SPK ref. no N° de réf. SPK | Abmessungen Dimensions Dimensions (mm) | | | | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Élément de serrage |
|-----------------------------|---|-------------------------------|--|---|----------------|----------------|----------------|--|--|
| | | | | b | l ₂ | f ₁ | f ₂ | | |
| 36° | 36.71.169.04.5 | L | 712.64.300.45 | 25 | 40 | 17 | 25 | 70.91.53.793.0 | 70.91.11.091.0 |
| | | R | 712.63.300.45 | | | | | | |
| | 36.71.190.04.5 | L | 712.64.301.45 | 25 | 44 | 17,5 | 25 | 70.91.53.336.0 | 70.91.11.091.0 |
| | | R | 712.63.301.45 | | | | | | |
| 38° | 36.71.195.04.5 | L | 712.64.302.45 | 25 | 47 | 15 | 25 | 70.91.53.338.0 | 70.91.15.005.0 |
| | | R | 712.63.302.45 | | | | | | |
| | 36.71.275.04.5 | L | 712.64.318.45 | 32 | 45 | 22 | 32 | 70.91.23.058.0 | 70.91.11.134.0 |
| | | R | 712.63.318.45 | | | | | | |
| 38° | 36.71.215.04.5 | L | 712.64.309.45 | 32 | 37 | 23 | 32 | 70.91.53.366.0 | 70.91.11.091.0 |
| | | R | 712.63.309.45 | | | | | | |
| | 36.71.246.04.5 | L | 712.64.324.45 | 32 | 46 | 23 | 33 | 70.91.23.133.0 | 70.91.11.134.0 |
| | | R | 712.63.324.45 | | | | | | |

Profil KP 1

Keramik-Schneidplatten Ceramic inserts Plaquettes de coupe céramique

Profil KP 1 36°, 38°



| ϵ_r | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Sorte Grade Nuance | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | |
|--------------|--|--------------------------|--|-------|------|-------|-------|------|------|---------|-------|-------|
| | | | b_w | b_1 | t | c_a | b | l | z | β | r_1 | r_2 |
| 36° | 36.71.169.04.5 | SN 60 | 9,75 | 10,20 | 11,9 | 0,75 | 12,50 | 27,3 | 2,40 | 20° | 0,8 | 0,8 |
| 36° | 36.71.190.04.5 | SN 60 | 9,70 | 10,34 | 12,0 | 1,00 | 13,35 | 28,0 | 2,55 | 20° | 1,0 | 1,6 |
| 36° | 36.71.195.04.5 | SN 60 | 12,70 | 13,60 | 15,5 | 1,50 | 17,00 | 35,0 | 3,60 | 20° | 1,0 | 1,5 |
| 36° | 36.71.275.04.5 | SN 60 | - | 10,80 | 13,2 | - | 14,00 | 31,0 | 2,20 | 20° | 0,5 | 1,5 |
| 38° | 36.71.215.04.5 | SN 60 | 11,00 | 12,7 | 13,0 | 2,50 | 16,0 | 29,5 | 3,72 | 20° | 1,0 | 1,0 |
| 38° | 36.71.246.04.5 | SN 60 | 12,85 | 12,9 | 14,8 | - | 16,5 | 34,0 | 2,69 | 20° | 1,5 | 1,0 |

L **Linksausführung**
Left hand model
Modèle à gauche

R **Rechtausführung**
Right hand model
Modèle à droite

Spanwinkel $\gamma = -8^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

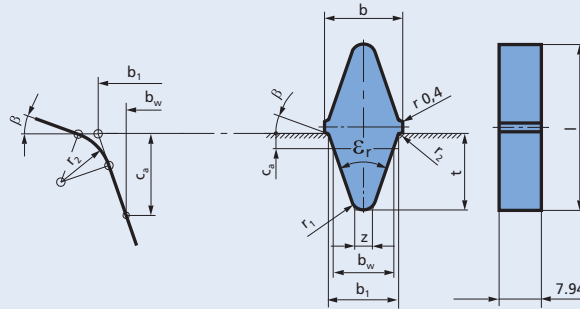
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Profil KP 2 ϵ_r | SPK-Schneidplatte SPK insert Plaquettes SPK | Ausführung Model Modèle | SPK-Best. Nr. SPK ref. no N° de réf. SPK | Abmessungen Dimensions Dimensions (mm) | | | | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Élément de serrage |
|-----------------------------|---|-------------------------------|--|---|----------------|----------------|----------------|--|--|
| | | | | b | l ₂ | f ₁ | f ₂ | | |
| 36° | 36.71.192.04.5 | L | 712.64.304.45 | 25 | 47 | 16 | 25 | 70.91.53.337.0 | 70.91.11.091.0 |
| | | R | 712.63.304.45 | | | | | | |

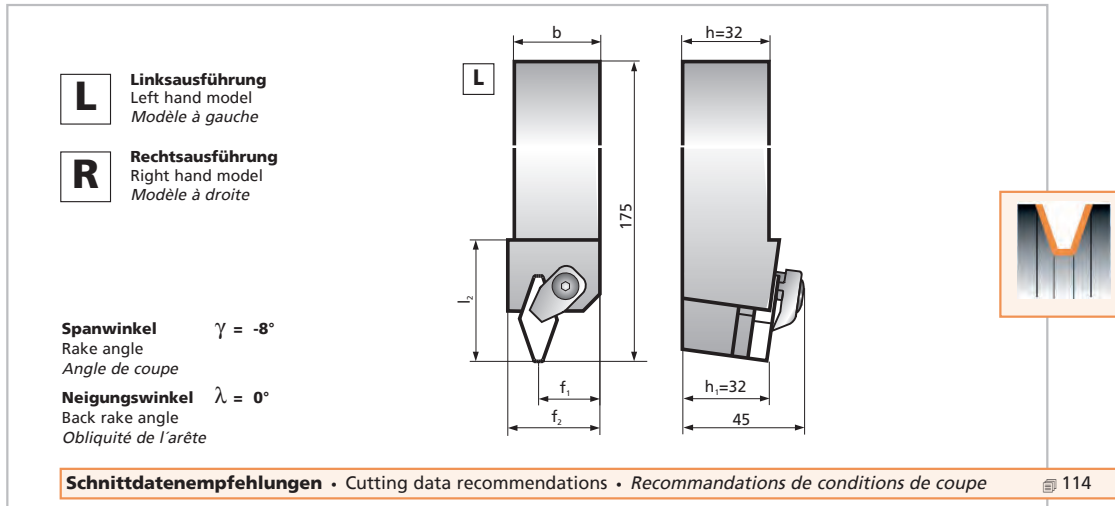
Profil KP 2

Keramik-Schneidplatten
Ceramic inserts
Plaquettes de coupe céramique

Profil KP 2 36°



| ϵ_r | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Sorte Grade Nuance | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | |
|--------------|--|--------------------------|--|-------|------|-------|------|------|------|---------|-------|-------|
| | | | b_w | b_1 | t | c_a | b | l | z | β | r_1 | r_2 |
| 36° | 36.71.192.04.5 | SN 60 | 12,7 | 13,3 | 15,5 | 1,0 | 16,3 | 35,0 | 3,24 | 30° | 2,2 | 1,6 |

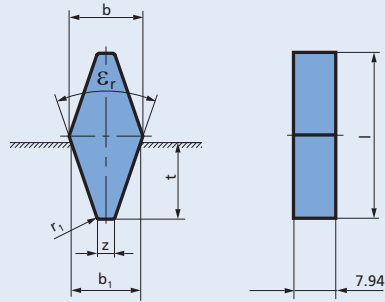


| Profil P 1 ϵ_r | SPK-Schneidplatte SPK insert Plaquettes SPK | Ausführung Modél Modèle | SPK-Best. Nr. SPK ref. no N° de réf. SPK | Abmessungen Dimensions Dimensions (mm) | | | | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Élément de serrage |
|----------------------------|---|-------------------------------|--|---|----------------|----------------|----------------|--|--|
| | | | | b | l ₂ | f ₁ | f ₂ | | |
| 30° | 36.70.750.04.5 | L | 710.64.053.45 | 32 | 52 | 21 | 33 | 70.91.53.876.0 | 70.91.11.134.0 |
| | | R | 710.63.053.45 | | | | | | |
| 34° | 36.70.735.04.5 | L | 710.64.006.45 | 32 | 44 | 24 | 33 | 70.91.53.806.0 | 70.91.11.091.0 |
| | | R | 710.63.006.45 | | | | | | |
| | 36.70.669.04.5 | L | 710.64.010.45 | 32 | 44 | 22 | 33 | 70.91.53.810.0 | 70.91.15.091.0 |
| | | R | 710.63.010.45 | | | | | | |
| | 36.70.620.04.5 | L | 710.64.013.45 | 32 | 44 | 21 | 34 | 70.91.53.813.0 | 70.91.11.134.0 |
| | | R | 710.63.013.45 | | | | | | |
| 36.70.739.04.5 | L | 710.64.014.45 | 32 | 46 | 21 | 33 | 70.91.53.814.0 | 70.91.11.091.0 | |
| | R | 710.63.014.45 | | | | | | | |
| 36.70.718.04.5 | L | 710.64.038.45 | 32 | 53 | 21 | 33 | 70.91.53.838.0 | 70.91.11.134.0 | |
| | R | 710.63.038.45 | | | | | | | |
| 36° | 36.70.710.04.5 | L | 710.64.061.45 | 32 | 50 | 24 | 33 | 70.91.53.856.0 | 70.91.11.091.0 |
| | | R | 710.63.061.45 | | | | | | |
| | 36.70.418.04.5 | L | 710.64.062.45 | 32 | 51 | 22 | 32 | 70.91.53.857.0 | 70.91.11.134.0 |
| | | R | 710.63.062.45 | | | | | | |
| | 36.70.738.04.5 | L | 710.64.012.45 | 32 | 49 | 22 | 32 | 70.91.53.812.0 | 70.91.11.091.0 |
| | | R | 710.63.012.45 | | | | | | |
| | 36.70.726.04.5 | L | 710.64.063.45 | 36 | 53,5 | 23 | 38 | 70.91.53.858.0 | 70.91.11.134.0 |
| | | R | 710.63.063.45 | | | | | | |

Profil P 1

Keramik-Schneidplatten Ceramic inserts Plaquettes de coupe céramique

Profil P 1 30°, 34°, 36°



| ϵ_r | SPK-Best. SPK ref.no. N° de réf. SPK | Nr.Sorte Grade Nuance | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--------------|--|-----------------------------|--|------|-------|------|------|-------|--|
| | | | b_w | t | b | l | z | r_1 | |
| 30° | 36.70.750.04.5 | SN 60 | 16,0 | 21,0 | 17,07 | 46,0 | 4,75 | 1,0 | |
| 34° | 36.70.620.04.5 | SN 60 | 17,0 | 16,0 | 18,22 | 36,0 | 7,22 | 1,5 | |
| 34° | 36.70.669.04.5 | SN 60 | 13,0 | 15,0 | 14,22 | 34,0 | 3,83 | 1,0 | |
| 34° | 36.70.718.04.5 | SN 60 | 18,6 | 20,0 | 19,82 | 44,0 | 6,37 | 2,0 | |
| 34° | 36.70.735.04.5 | SN 60 | 10,0 | 12,0 | 11,22 | 28,0 | 2,66 | 1,0 | |
| 34° | 36.70.739.04.5 | SN 60 | 17,0 | 18,0 | 18,22 | 40,0 | 5,99 | 1,5 | |
| 36° | 36.70.418.04.5 | SN 60 | 12,7 | 14,0 | 16,6 | 40 | 3,60 | 1,0 | |
| 36° | 36.70.710.04.5 | SN 60 | 9,7 | 11,5 | 11,0 | 27 | 2,22 | 0,5 | |
| 36° | 36.70.726.04.5 | SN 60 | 22,0 | 20,5 | 23,3 | 45 | 8,68 | 1,5 | |
| 36° | 36.70.738.04.5 | SN 60 | 13,0 | 15,0 | 14,3 | 34 | 3,25 | 1,0 | |

Stechwerkzeuge Tools for grooving Porte-outils pour la plongée de gorge

Profil P 1

L **Linksausführung**
Left hand model
Modèle à gauche

R **Rechtsausführung**
Right hand model
Modèle à droite

Spanwinkel $\gamma = -8^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

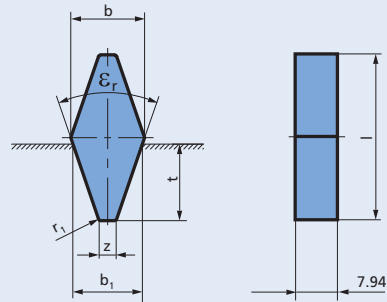
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
114

| Profil P 1 ϵ_r | SPK-Schneidplatte SPK insert Plaquettes SPK | Ausführung Modél Modèle | SPK-Best. Nr. SPK ref. no N° de réf. SPK | Abmessungen Dimensions Dimensions (mm) | | | | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Élément de serrage |
|----------------------------|---|-------------------------------|--|---|----------------|----------------|----------------|--|--|
| | | | | b | l ₂ | f ₁ | f ₂ | | |
| 38° | 36.70.709.04.5 | L | 710.64.070.45 | 32 | 46 | 23 | 32 | 70.91.53.861.0 | 70.91.11.091.0 |
| | | R | 710.63.070.45 | | | | | | |
| | 36.70.492.04.5 | L | 710.64.071.45 | 32 | 44 | 22 | 32 | 70.91.53.862.0 | 70.91.11.091.0 |
| | | R | 710.63.071.45 | | | | | | |
| | 36.70.610.04.5 | L | 710.64.072.45 | 32 | 48 | 22 | 33 | 70.91.53.863.0 | 70.91.15.091.0 |
| | | R | 710.63.072.45 | | | | | | |
| 40° | 36.70.833.04.5 | L | 710.64.081.45 | 27 | 44 | 22 | 33 | 70.91.53.875.0 | 70.91.11.134.0 |
| | | R | 710.63.081.45 | | | | | | |
| | 36.70.621.04.5 | L | 710.64.073.45 | 32 | 44 | 22 | 34 | 70.91.53.864.0 | 70.91.11.134.0 |
| | | R | 710.63.073.45 | | | | | | |
| | 36.70.719.04.5 | L | 710.64.039.45 | 32 | 57 | 22 | 34,5 | 70.91.53.839.0 | 70.91.11.134.0 |
| | | R | 710.63.039.45 | | | | | | |
| 40° | 36.70.795.04.5 | L | 710.64.082.45 | 32 | 43 | 20 | 32 | 70.91.53.868.0 | 70.91.11.091.0 |
| | | R | 710.63.082.45 | | | | | | |

Profil P 1

Keramik-Schneidplatten Ceramic inserts Plaquettes de coupe céramique

Profil P 1 38°, 40°



| ϵ_r | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Sorte Grade Nuance | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--------------|--|--------------------------|--|-------|-------|------|------|-------|
| | | | b_w | t | b | l | z | r_1 |
| 38° | 36.70.492.04.5 | SN 60 | 13,3 | 13,00 | 14,68 | 30,0 | 4,35 | 1,0 |
| 38° | 36.70.610.04.5 | SN 60 | 14,5 | 16,50 | 15,86 | 37,0 | 3,12 | 1,0 |
| 38° | 36.70.621.04.5 | SN 60 | 17,0 | 16,00 | 18,38 | 36,0 | 5,98 | 1,0 |
| 38° | 36.70.709.04.5 | SN 60 | 12,6 | 14,75 | 14,04 | 33,5 | 2,51 | 0,5 |
| 38° | 36.70.719.04.5 | SN 60 | 18,6 | 20,00 | 19,98 | 44,0 | 4,83 | 2,0 |
| 38° | 36.70.833.04.5 | SN 60 | 15,7 | 17,50 | 17,10 | 39,0 | 3,66 | 0,8 |
| 40° | 36.70.795.04.5 | SN 60 | 15,2 | 15,2 | 16,69 | 34,5 | 4,14 | 0,5 |

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = -8^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

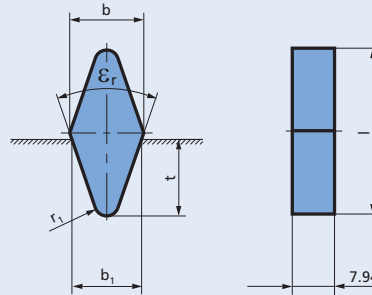
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Profil P 2 ϵ_r | SPK-Schneidplatte SPK insert Plaquettes SPK | Ausführung Model Modèle | SPK-Best. Nr. SPK ref. no N° de réf. SPK | Abmessungen Dimensions Dimensions (mm) | | | | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Elément de serrage |
|----------------------------|---|-------------------------------|--|---|----------------|----------------|----------------|--|--|
| | | | | b | l ₂ | f ₁ | f ₂ | | |
| 30° | 36.70.638.04.5 | L | 710.64.050.45 | 32 | 44 | 24 | 33 | 70.91.53.957.0 | 70.91.11.091.0 |
| | | R | 710.63.050.45 | | | | | | |
| | 36.70.729.04.5 | L | 710.64.051.45 | 32 | 48 | 24 | 32 | 70.91.53.952.0 | 70.91.11.091.0 |
| | | R | 710.63.051.45 | | | | | | |
| 36° | 36.70.493.04.5 | L | 710.64.064.45 | 32 | 43,5 | 24 | 32 | 70.91.53.953.0 | 70.91.15.091.0 |
| | | R | 710.63.064.45 | | | | | | |
| | 36.70.832.04.5 | L | 710.64.066.45 | 32 | 44 | 22 | 32 | 70.91.23.959.0 | 70.91.11.091.0 |
| | | R | 710.63.066.45 | | | | | | |
| | 36.70.630.04.5 | L | 710.64.065.45 | 32 | 48 | 22 | 34 | 70.91.53.954.0 | 70.91.11.091.0 |
| | | R | 710.63.065.45 | | | | | | |

Profil P 2

Keramik-Schneidplatten Ceramic inserts Plaquettes de coupe céramique

Profil P 2 30°, 36°



| ϵ_r | SPK-Best. Nr. SPK ref.no. N° de réf. SPK | Sorte Grade Nuance | Abmessungen • Dimensions • Dimensions (mm) | | | | |
|--------------|--|--------------------------|--|------|-------|------|-------|
| | | | b_1 | t | b | l | r_1 |
| 30° | 36.70.638.04.5 | SN 60 | 10,5 | 15,0 | 11,56 | 34,0 | 1,6 |
| 30° | 36.70.729.04.5 | SN 60 | 10,5 | 17,5 | 11,56 | 38,5 | 0,8 |
| 36° | 36.70.493.04.2 | SN 60 | 9,8 | 11,5 | 11,1 | 27,0 | 1,6 |
| 36° | 36.70.630.04.5 | SN 60 | 13,8 | 18,0 | 15,2 | 40,0 | 1,5 |
| 36° | 36.70.832.04.5 | SN 60 | 13,0 | 15,5 | 14,3 | 35,0 | 2,0 |

Stechwerkzeuge

Tools for grooving

Porte-outils pour la plongée de gorge Poly-V- Profil J1, K1, L1

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

Spanwinkel $\gamma = 0^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
114

| Poly-V-Profil Poly-V-profil Profil poly-V | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|---|--------------------------|--|----|----------------|----------------|------|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ |
| L1 | 2525 | 25 | 25 | 150 | 36 | 22,5 | 37,5 |

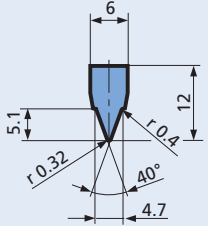
| Poly-V-Profil Poly-V-profil Profil poly-V | SPK-Schneidplatte SPK insert Plaquettes SPK | Ausführung Model Modèle | SPK-Best. Nr. SPK ref. no N° de réf. SPK | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Elément de serrage |
|---|---|-------------------------------|--|--|--|
| | | | 2525 | | |
| Ceramtec • Cermet • Cermet | L1 | ICGP 12A 047 F - L1 | 712.78.168.21 | 70.91.23.580.0 | 70.91.11.222.0 |
| | | | 712.77.168.21 | 70.91.23.581.0 | 70.91.11.221.0 |

Poly-V- Profil L1

Cermet-Schneidplatten
Cermet inserts
Plaquettes de coupe Cermet



Cermet • Cermet • Cermet

| | |
|--|---|
| Form Style Forme | ICGP Profil L1 |
| Plattendicke Insert thickness Épaisseur de la plaquette s = 5,0 mm |  |
| SPK- Bezeichnung SPK Designation Code de SPK | ICGP 12A 047 F - L1 |
| Sorte Grade . Nuance | SC 40 |
| SPK-Best. Nr. SPK ref.no. N° de réf. SPK | 46.26.144.06.4 |

Stechwerkzeuge

Tools for grooving

Porte-outils pour la plongée de gorge **Poly-V- Profil J1, K1, L1**

N **Neutralausführung**
Neutral model
Modèle symétrique

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
114

| Poly-V-Profil Poly-V-profil Profil poly-V | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|---|--------------------------|--|----|----------------|----------------|----------------|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f ₁ | h ₂ |
| J1, K1, | 2525 | 25 | 25 | 150 | 40 | 12,5 | 40 |
| L1, M1 | 3225 | 32 | 25 | 170 | 40 | 12,5 | 40 |

| Poly-V-Profil Poly-V-profil Profil poly-V | SPK-Schneid- platte SPK insert Plaquettes SPK | SPK-Best. Nr. SPK ref. no N° de réf. SPK | | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Élément de serrage | |
|---|--|--|----------------------|--|---|----------------|
| | | 2525 | 3225 | | | |
| Keramik Ceramic • Céramique | J1 | INMX 25F 023 T | 713.26.009.03 | 713.26.004.03 | 70.91.23.254.0 | 70.91.11.332.0 |
| | K1 | INMX 25F 036 T | 713.26.009.02 | 713.26.004.02 | 70.91.23.254.0 | 70.91.11.332.0 |
| | L1 | INMX 25F 047 T | 713.26.009.01 | 713.26.004.01 | 70.91.23.254.0 | 70.91.11.332.0 |
| | M1 | INMX 25F 094 T | 713.26.009.04 | 713.26.004.04 | 70.91.23.477.0 | 70.91.11.332.0 |
| Cermet Cermet • Céramet | J1 | INMA 25A 023 F | 713.26.009.13 | 713.26.004.13 | 70.91.26.083.0 | 70.91.15.005.0 |
| | K1 | INMA 25A 036 F | 713.26.009.12 | 713.26.004.12 | 70.91.26.083.0 | 70.91.15.005.0 |
| | L1 | INMA 25A 047 F | 713.26.009.11 | 713.26.004.11 | 70.91.26.083.0 | 70.91.15.005.0 |
| | M1 | INMA 25A 094 F | 713.26.009.14 | 713.26.004.14 | 70.91.26.084.0 | 70.91.15.005.0 |

Keramik • Ceramic • Céramique

| Form Style Forme | INMX Profil J1 | INMX Profil K1 | INMX Profil L1 | INMX Profil M1 |
|---|---------------------------|---------------------------|---------------------------|---------------------------|
| Plattendicke Insert thickness Épaisseur de la plaquette s = 7,94 mm | | | | |
| SPK- Bezeichnung SPK Designation Code de SPK | INMX 25F 023 T - J1 | INMX 25F 036 T - K1 | INMX 25F 047 T - L1 | INMX 25F 094 T - M1 |
| Sorte Grade . Nuance | SN 60 | SN 60 | SN 60 | SN 60 |
| SPK-Best. Nr. SPK ref.no. N° de réf. SPK | 36.71.419.03.5 | 36.71.412.03.5 | 36.71.340.03.5 | 36.71.418.03.5 |

Cermet • Cermet • Cermet

| Form Style Forme | INMA Profil J1 | INMA Profil K1 | INMA Profil L1 | INMA Profil M1 |
|---|---------------------------|---------------------------|---------------------------|---------------------------|
| Plattendicke Insert thickness Épaisseur de la plaquette s = 4,76 mm | | | | |
| SPK- Bezeichnung SPK Designation Code de SPK | INMA 25A 023 F - J1 | INMA 25AF 036 F - K1 | INMA 25A 047 F - L1 | INMA 25A 094 F - M1 |
| Sorte Grade . Nuance | SC 40 | SC 40 | SC 40 | SC 40 |
| SPK-Best. Nr. SPK ref.no. N° de réf. SPK | 46.70.009.06.4 | 46.70.008.06.4 | 46.70.007.06.4 | 46.70.010.06.4 |

Stechwerkzeuge
Tools for grooving
Porte-outils pour la plongée de gorge

Poly-V- Profil J4, L3

N **Neutralausführung**
Neutral model
Modèle symétrique

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

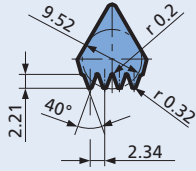
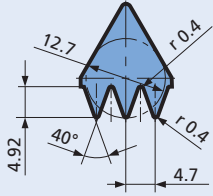
| Poly-V-Profil Poly-V-profil Profil poly-V | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|---|--------------------------|--|----|----------------|----------------|----------------|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f ₁ | h ₂ |
| J4 | 2525 | 25 | 25 | 150 | 30 | 12,5 | 40 |
| | 3225 | 32 | 25 | 170 | 30 | 12,5 | 47 |
| L3 | 2525 | 25 | 25 | 150 | 34 | 12,5 | 40 |
| | 3225 | 32 | 25 | 170 | 34 | 12,5 | 47 |

| Poly-V-Profil Poly-V-profil Profil poly-V | SPK-Schneid- platte SPK insert Plaquettes SPK | SPK-Best. Nr. SPK ref. no <i>N° de réf. SPK</i> | | Stützplatte mit Schraube Shim with screw <i>Plaquette d'assise avec vis</i> | Spannelement Clamping element <i>Élément de serrage</i> | |
|---|--|---|----------------------|--|---|----------------|
| | | 2525 | 3225 | | | |
| Cermet Cermec • Cermet | J4 | INMN 09A 098 F | 712.16.011.03 | 712.16.012.03 | 70.91.23.459.0 | 70.91.11.232.0 |
| | L3 | INMN 12A 146 F | 712.16.015.03 | 712.16.016.03 | 70.91.23.461.0 | 70.91.15.001.0 |

Poly-V- Profil J4, L3

Cermet-Schneidplatten
Cermet inserts
Plaquettes de coupe Cermet

Cermet • Cermet • Cermet

| Form Style Forme | INMN Profil J4 | INMN Profil L3 |
|--|---|--|
| Plattendicke Insert thickness Épaisseur de la plaquette s = 4,76 mm |  |  |
| SPK-Bezeichnung SPK Designation Code de SPK | INMN 09A 098 F - J4 | INMN 12A 146 F - L3 |
| Sorte Grade • Nuance | SC 40 | SC 40 |
| SPK-Best. Nr. SPK ref.no. N° de réf. SPK | 46.70.004.40.4 | 46.70.003.40.4 |

Stechwerkzeuge Tools for grooving Porte-outils pour la plongée de gorge

Poly-V- Profil K3, K4

N **Neutralausführung**
Neutral model
Modèle symétrique

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Poly-V-Profil Poly-V-profil Profil poly-V | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|---|--------------------------|--|----|----------------|----------------|----------------|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f ₁ | h ₂ |
| K3 | 2525 | 25 | 25 | 150 | 30 | 12,5 | 40 |
| | 3225 | 32 | 25 | 170 | 30 | 12,5 | 47 |
| K4 | 2525 | 25 | 25 | 150 | 34 | 12,5 | 40 |
| | 3225 | 32 | 25 | 170 | 34 | 12,5 | 47 |

| Poly-V-Profil Poly-V-profil Profil poly-V | SPK-Schneid- platte SPK insert Plaquettes SPK | SPK-Best. Nr. SPK ref. no N° de réf. SPK | | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Élément de serrage | |
|---|--|--|----------------------|--|---|----------------|
| | | 2525 | 3225 | | | |
| Keramik Ceramic • Céramique | K3 | INMN 09A 111 F | 712.16.004.03 | 712.16.007.03 | 70.91.23.432.0 | 70.91.11.232.0 |
| | K4 | INMN 12A 147 F | 712.16.005.03 | 712.16.006.03 | 70.91.23.435.0 | 70.91.15.005.0 |
| Cermet Cermet • Cermet | K3 | INMN 09A 111 F | 712.16.004.03 | 712.16.007.03 | 70.91.23.432.0 | 70.91.11.232.0 |
| | K4 | INMN 12A 147 F | 712.16.005.03 | 712.16.006.03 | 70.91.23.435.0 | 70.91.15.005.0 |

Keramik • Ceramic • Céramique

| Form Style Forme | INMN Profil K3 | INMN Profil K3-04 | INMN Profil K4 | INMN Profil K4-04 |
|--|---------------------------|------------------------------|---------------------------|------------------------------|
| Plattendicke Insert thickness Épaisseur de la plaquette s = 4,76 mm | | | | |
| SPK- Bezeichnung SPK Designation Code de SPK | INMN 09A 111 F - K3 | INMN 09A 111 E - K3-04 | INMN 12A 147 F - K4 | INMN 12A 147 E - K4-04 |
| Sorte Grade • Nuance | SN 60 | SN 60 | SN 60 | SN 60 |
| SPK-Best. Nr. SPK ref.no. N° de réf. SPK | 36.71.454.06.5 | 36.71.501.69.5 | 36.71.455.06.5 | 36.71.502.69.5 |

Cermet • Cermet • Cermet

| Form Style Forme | INMN Profil K3 | INMN Profil K3-04 | INMN Profil K4 | INMN Profil K4-04 |
|--|----------------------------------|------------------------------|----------------------------------|------------------------------|
| Plattendicke Insert thickness Épaisseur de la plaquette s = 4,76 mm | | | | |
| SPK- Bezeichnung SPK Designation Code de SPK | INMN 09A 111 F - K3 | INMN 09A 111 F - K3-04 | INMN 12A 147 F - K4 | INMN 12A 147 F - K4-04 |
| Sorte Grade • Nuance | SC 40 SC 7015 | SC 40 | SC 40 SC 7015 | SC 40 |
| SPK-Best. Nr. SPK ref.no. N° de réf. SPK | 46.70.001.40.4 46.70.001.40.9 | 46.70.034.06.4 | 46.70.002.40.4 46.70.002.40.9 | 46.70.035.06.4 |

Stechwerkzeuge
Tools for grooving
Porte-outils pour la plongée de gorge

Poly-V- Profil K5, K6

N **Neutralausführung**
Neutral model
Modèle symétrique

Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Poly-V-Profil Poly-V-profil Profil poly-V | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|---|--------------------------|--|----|----------------|----------------|----------------|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f ₁ | h ₂ |
| K5 | 3225 | 32 | 25 | 170 | 35,5 | 12 | 46 |
| K6 | 3225 | 32 | 25 | 170 | 35,5 | 12 | 46 |

| Poly-V-Profil Poly-V-profil Profil poly-V | SPK-Schneidplatte SPK insert Plaquettes SPK | SPK-Best. Nr. SPK ref. no N° de réf. SPK | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Elément de serrage | |
|---|---|--|--|--|----------------|
| | | 3225 | | | |
| Keramik Céramic Céramique | K5 | INMN 15A 182 E | 712.16.032.03 | 70.91.23.756.0 | 70.91.11.317.0 |
| | K6 | INMN 15A 218 E | 712.16.033.03 | 70.91.23.757.0 | 70.91.11.317.0 |



Keramik • Ceramic • Céramique

| Form Style Forme | INMN Profil K5 | INMN Profil K5-04 |
|---|---------------------|------------------------|
| Plattendicke Insert thickness Épaisseur de la plaquette s = 4,76 mm | | |
| SPK- Bezeichnung SPK Designation Code de SPK | INMN 15A 182 E - K5 | INMN 15A 182 E - K5-04 |
| Sorte Grade . Nuance | SN 60 | SN 60 |
| SPK-Best. Nr. SPK ref.no. N° de réf. SPK | 36.71.507.69.5 | 36.71.519.69.5 |

| Form Style Forme | INMN Profil K6 | INMN Profil K6-04 |
|---|---------------------|------------------------|
| Plattendicke Insert thickness Épaisseur de la plaquette s = 4,76 mm | | |
| SPK- Bezeichnung SPK Designation Code de SPK | INMN 15A 218 E - K6 | INMN 15A 218 E - K6-04 |
| Sorte Grade . Nuance | SN 60 | SN 60 |
| SPK-Best. Nr. SPK ref.no. N° de réf. SPK | 36.71.508.69.5 | 36.71.520.69.5 |



Ersatzteile
Spare parts
Pièces de rechange



Spannelemente Clamping elements Éléments de serrage

| Spannelement komplett Clamping element complete Élément de serrage complet | Spannelement Clamping element Élément de serrage | Schraube Screw Vis | | Gewinde Thread Filet | Druckplatte Thrust plate Plaque de poussée | Spanformer (verstellbar) Chip breaker (ajustable) Brise-copeaux (réglable) |
|---|---|---------------------------------|---------|-----------------------------------|--|---|
| 70.91.11.721.6 | | 70.91.50.215.0 | SW 4 | M 8 x 30 | | |
| 70.91.13.316.0 | | 70.91.50.232.0 | SW 4 | M 8 x 26 | | |
| 70.91.13.317.0 | | 70.91.50.232.0 | SW 4 | M 8 x 26 | 70.91.00.001.0 | |
| 70.91.13.716.6 | | 70.91.50.215.0 | SW 4 | M 8 x 26 | | |
| 70.91.13.718.6 | | 70.91.50.215.0 | SW 4 | M 8 x 26 | | |
| 70.91.15.001.0 | 70.91.11.333.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | 70.91.00.001.0 | |
| 70.91.15.002.0 | 70.91.11.317.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | | 70.91.00.125.0 |
| 70.91.15.003.0 | 70.91.11.317.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | | 70.91.00.126.0 |
| 70.91.15.004.0 | 70.91.11.317.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | | 70.91.00.127.0 |
| 70.91.15.005.0 | 70.91.11.317.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | 70.91.00.001.0 | |
| 70.91.15.006.0 | 70.91.11.317.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | | 70.91.00.120.0 |
| 70.91.15.007.0 | 70.91.11.317.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | | 70.91.00.121.0 |
| 70.91.15.008.0 | 70.91.11.317.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | | 70.91.00.122.0 |
| 70.91.15.010.0 | 70.91.11.317.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | | 70.91.00.123.0 |
| 70.91.15.011.0 | 70.91.11.317.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | | 70.91.00.124.0 |
| 70.91.15.013.0 | 70.91.11.333.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | | 70.91.00.128.0 |
| 70.91.15.014.0 | 70.91.11.333.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | | 70.91.00.129.0 |
| 70.91.15.016.0 | 70.91.11.333.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | | 70.91.00.126.0 |
| 70.91.15.017.0 | 70.91.11.333.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | | 70.91.00.127.0 |
| 70.91.15.021.0 | 70.91.11.317.0 | 70.91.50.282.0 | Torx 25 | M 8 x 30 | 70.91.00.136.0 | |
| 70.91.15.025.0 | 70.91.13.333.0 | 70.91.50.232.0 | SW 4 | M 8 x 26 | 70.91.00.001.0 | |
| 70.91.15.026.0 | 70.91.13.317.0 | 70.91.50.232.0 | SW 4 | M 8 x 26 | | 70.91.00.125.0 |
| 70.91.15.027.0 | 70.91.13.317.0 | 70.91.50.232.0 | SW 4 | M 8 x 26 | | 70.91.00.126.0 |
| 70.91.15.028.0 | 70.91.13.317.0 | 70.91.50.232.0 | SW 4 | M 8 x 26 | | 70.91.00.127.0 |
| 70.91.15.029.0 | 70.91.13.317.0 | 70.91.50.232.0 | SW 4 | M 8 x 26 | 70.91.00.001.0 | |
| 70.91.15.030.0 | 70.91.13.333.0 | 70.91.50.232.0 | SW 4 | M 8 x 26 | | 70.91.00.128.0 |
| 70.91.15.031.0 | 70.91.13.333.0 | 70.91.50.232.0 | SW 4 | M 8 x 26 | | 70.91.00.129.0 |
| 70.91.15.034.0 | 70.91.11.493.0 | 70.91.50.238.0 | SW 4 | M 6 x 16 | | 70.91.00.160.0 |

Stützplatten Shims Plaquettes d'assise

| SPK- Bestellnummer SPK ref. no. N° de réf. SPK | Abmessungen Dimensions Dimensions | Schraube Screw Vis | Gewinde Thread Filet | SPK- Schneidplatte SPK insert Plaquette SPK |
|---|---|--------------------------|----------------------------|--|
| 70.91.22.010.0 | 12,50 x 4,76 | 70.91.50.252.0 | Torx 20 M 6 x 13,5 | SN . N 12 07 .. |
| 70.91.22.010.1 | 12,50 x 4,76 | 70.91.50.260.0 | Torx 20 M 6 x 10 | SN . N 12 07 .. |
| 70.91.22.011.0 | 12,50 x 7,94 | 70.91.50.252.0 | Torx 20 M 6 x 13,5 | SN . N 12 04 .. |
| 70.91.22.011.1 | 12,50 x 7,94 | 70.91.50.260.0 | Torx 20 M 6 x 10 | SN . N 12 04 .. |
| 70.91.22.012.0 | 15,68 x 4,76 | 70.91.50.253.0 | SW 3 M 8 x 14 | SN . N 15 07 .. |
| 70.91.22.013.0 | 15,68 x 7,94 | 70.91.50.253.0 | SW 3 M 8 x 14 | SN . N 15 04 .. |
| 70.91.22.014.0 | 12,50 x 4,76 | 70.91.50.252.0 | Torx 20 M 6 x 13,5 | CN . N 12 07 .. |
| 70.91.22.014.1 | 12,50 x 4,76 | 70.91.50.260.0 | Torx 20 M 6 x 10 | CN . N 12 07 .. |
| 70.91.22.015.0 | 12,50 x 7,94 | 70.91.50.252.0 | Torx 20 M 6 x 13,5 | CN . N 12 04 .. |
| 70.91.22.015.1 | 12,50 x 7,94 | 70.91.50.260.0 | Torx 20 M 6 x 10 | CN . N 12 04 .. |
| 70.91.22.016.0 | 15,68 x 4,76 | 70.91.50.253.0 | SW 3 M 8 x 14 | CN . N 16 07 .. |
| 70.91.22.017.0 | 15,68 x 7,94 | 70.91.50.253.0 | SW 3 M 8 x 14 | CN . N 16 07 .. |
| 70.91.22.018.0 | 9,80 x 4,76 | 70.91.50.254.0 | SW 2,5 M 5 x 12 | DN . N 12 07 .. |
| 70.91.22.018.1 | 9,80 x 4,76 | 70.91.50.256.0 | SW 2,5 M 6 x 7,5 | DN . N 12 07 .. |
| 70.91.22.019.0 | 9,80 x 7,94 | 70.91.50.254.0 | SW 2,5 M 5 x 12 | DN . N 12 04 .. |
| 70.91.22.019.1 | 9,80 x 7,94 | 70.91.50.256.0 | SW 2,5 M 5 x 7,5 | DN . N 12 04 .. |
| 70.91.22.020.0 | 12,50 x 4,76 | 70.91.50.252.0 | Torx 20 M 6 x 13,5 | DN . N 15 07 .. |
| 70.91.22.026.0 | 9,32 x 4,76 | 70.91.50.254.0 | SW 2,5 M 5 x 12 | TN . N 16 07 .. |
| 70.91.22.028.0 | 9,32 x 7,94 | 70.91.50.254.0 | SW 2,5 M 5 x 12 | TN . N 16 04 .. |
| 70.91.22.030.0 | 9,52 x 3,18 | 70.91.50.254.0 | SW 2,5 M 5 x 12 | VN . N 16 07 .. |
| 70.91.22.033.0 | 12,50 x 4,76 | 70.91.50.252.0 | Torx 20 M 6 x 13,5 | RN . N 12 07 00 |
| 70.91.22.034.0 | 12,50 x 7,94 | 70.91.50.252.0 | Torx 20 M 6 x 13,5 | RN . N 12 04 00 |
| 70.91.22.069.1 | 12,50 x 3,18 | 70.91.50.260.0 | Torx 20 M 6 x 10 | CN . N 12 04 .. |
| 70.91.22.071.1 | 9,80 x 3,18 | 70.91.50.254.0 | SW 2,5 M 5 x 12 | DN . N 12 04 .. |
| 70.91.22.072.1 | 12,50 x 3,18 | 70.91.50.260.0 | Torx 20 M 6 x 10 | SN . N 12 04 .. |
| 70.91.22.073.0 | | 60.7991.008.1 | SW 3 M 5 x 16 | a = 1,10 - 1,60 mm |
| 70.91.22.074.0 | | 60.7991.008.1 | SW 3 M 5 x 16 | a = 1,10 - 1,60 mm |
| 70.91.22.075.0 | | 60.7991.008.1 | SW 3 M 5 x 16 | a = 1,85 - 2,65 mm |
| 70.91.22.076.0 | | 60.7991.008.1 | SW 3 M 5 x 16 | a = 1,85 - 2,65 mm |
| 70.91.22.077.0 | | 60.7991.008.1 | SW 3 M 5 x 16 | a = 3,15 - 4,15 mm |
| 70.91.22.078.0 | | 60.7991.008.1 | SW 3 M 5 x 16 | a = 3,15 - 4,15 mm |
| 70.91.22.088.0 | | 60.7991.008.1 | SW 3 M 5 x 16 | a = 1,10 - 1,60 mm |
| 70.91.22.089.0 | | 60.7991.008.1 | SW 3 M 5 x 16 | a = 1,10 - 1,60 mm |
| 70.91.22.090.0 | | 60.7991.008.1 | SW 3 M 5 x 16 | a = 1,85 - 2,65 mm |
| 70.91.22.091.0 | | 60.7991.008.1 | SW 3 M 5 x 16 | a = 1,85 - 2,65 mm |
| 70.91.22.092.0 | | 60.7991.008.1 | SW 3 M 5 x 16 | a = 3,15 - 4,15 mm |
| 70.91.22.093.0 | | 60.7991.008.1 | SW 3 M 5 x 16 | a = 3,15 - 4,15 mm |
| 70.91.22.143.0 | 11,30 x 4,76 | 60.7984.051.0 | SW 2 M 3 x 8 | CC . X 12 06 .. |
| 70.91.22.144.0 | 10,90 x 4,76 | 60.7984.051.0 | SW 2 M 3 x 8 | SC . X 12 06 .. |
| 70.91.22.145.0 | 11,40 x 6,35 | 60.7984.051.0 | SW 2 M 3 x 8 | SC . N 12 04 .. |
| 70.91.22.146.0 | 11,30 x 6,35 | 60.7984.051.0 | SW 2 M 3 x 8 | CC . N 12 04 .. |
| 70.91.22.147.0 | 10,90 x 3,18 | 60.7984.051.0 | SW 2 M 3 x 8 | SC . X 12 06 .. |
| 70.91.22.148.0 | 10,90 x 3,18 | 60.7984.051.0 | SW 2 M 3 x 8 | DC . N 15 07 .. |
| 70.91.22.149.0 | 10,90 x 4,76 | 60.7984.051.0 | SW 2 M 3 x 8 | DC . X 15 06 .. |

Stützplatten

Shims

Plaquettes d'assise

| SPK- Bestellnummer SPK ref. no. N° de réf. SPK | Abmessungen Dimensions Dimensions | Schraube Screw Vis | | Gewinde Thread Filet | SPK- Schneidplatte SPK insert Plaquette SPK |
|---|---|--------------------------|--|----------------------------|--|
| 70.91.22.151.1 | 9,80 x 3,18 | 70.91.50.254.0 | | SW 2,5 M 5 x 12 | DN . N 12 04 .. |
| 70.91.22.161.0 | 9,32 x 3,18 | 60.0963.002.0 | | Schlitz M 3 x 8 | CN . N 09 04 .. |
| 70.91.22.166.0 | 9,32 x 4,76 | 60.7984.051.0 | | SW 2 M 3 x 8 | CN . N 09 03 .. |
| 70.91.22.167.0 | 9,32 x 3,18 | 70.91.50.254.0 | | SW 2,5 M 5 x 12 | VN . N 16 07 |
| 70.91.23.058.0 | | 60.7984.051.0 | | SW 2 M 3 x 8 | KP1, 36° |
| 70.91.23.112.0 | | 60.7985.051.0 | | SW 2 M 3 x 8 | a = 10 mm |
| 70.91.23.113.0 | | 60.7985.051.0 | | SW 2 M 3 x 8 | a = 12 mm |
| 70.91.23.114.0 | | 60.7984.011.0 | | SW 2,5 M 4 x 10 | a = 15 mm |
| 70.91.23.115.0 | | 60.7984.011.0 | | SW 2,5 M 4 x 10 | a = 19 mm |
| 70.91.23.116.0 | | 60.7984.011.0 | | SW 2,5 M 4 x 10 | a = 25 mm |
| 70.91.23.133.0 | | 60.7984.051.0 | | SW 2 M 3 x 8 | KP1, 38° |
| 70.91.23.141.0 | 5,30 x 6,00 | | | - - | RB . N 06 04 M0 |
| 70.91.23.142.0 | 6,30 x 6,00 | | | - - | RB . N 07 04 M0 |
| 70.91.23.157.0 | 7,30 x 6,00 | | | - - | RB . N 08 04 M0 |
| 70.91.23.158.0 | 9,00 x 7,00 | | | - - | RB . N 10 07 M0 |
| 70.91.23.254.0 | | 70.91.50.252.0 | | Torx 20 M 6 x 13,5 | Poly-V-Profil |
| 70.91.23.357.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 4 mm |
| 70.91.23.358.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 5 mm |
| 70.91.23.359.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 6 + 7 mm |
| 70.91.23.360.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 8 mm |
| 70.91.23.365.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 10 mm |
| 70.91.23.369.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 6 + 7 mm |
| 70.91.23.370.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 8 mm |
| 70.91.23.371.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 10 mm |
| 70.91.23.398.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 4 mm |
| 70.91.23.399.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 5 mm |
| 70.91.23.432.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | Poly-V-Profil |
| 70.91.23.435.0 | | 60.9784.051.0 | | SW 2 M 3 x 8 | Poly-V-Profil |
| 70.91.23.459.0 | | 60.9784.051.0 | | SW 2 M 3 x 8 | Poly-V-Profil |
| 70.91.23.461.0 | | 60.9784.051.0 | | SW 2 M 3 x 8 | Poly-V-Profil |
| 70.91.23.477.0 | | 70.91.50.252.0 | | Torx 20 M 6 x 13,5 | Poly-V-Profil |
| 70.91.23.526.0 | | 60.0912.012.0 | | SW 5 M 6 x 25 | a = 4 mm |
| 70.91.23.528.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 4 mm |
| 70.91.23.531.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 4 mm |
| 70.91.23.532.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 5 mm |
| 70.91.23.533.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 6 + 7 mm |
| 70.91.23.534.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 8 mm |
| 70.91.23.535.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 10 mm |
| 70.91.23.538.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 4 mm |
| 70.91.23.539.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 5 mm |
| 70.91.23.540.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 6 + 7 mm |
| 70.91.23.541.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 8 mm |
| 70.91.23.542.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 10 mm |
| 70.91.23.546.0 | | 60.7991.008.1 | | SW 3 M 5 x 16 | a = 4 mm |

Stützplatten
Shims
Plaquettes d'assise

| SPK- Bestellnummer SPK ref. no. N° de réf. SPK | Abmessungen Dimensions Dimensions | Schraube Screw Vis | | Gewinde Thread Filet | SPK- Schneidplatte SPK insert Plaquette SPK |
|---|---|--------------------------|---------|----------------------------|--|
| 70.91.23.547.0 | | 60.7991.008.1 | SW 3 | M 5 x 16 | a = 4 mm |
| 70.91.23.548.0 | | 60.7991.008.1 | SW 3 | M 5 x 16 | a = 5 mm |
| 70.91.23.549.0 | | 60.7991.008.1 | SW 3 | M 5 x 16 | a = 6 + 7 mm |
| 70.91.23.550.0 | | 60.7991.008.1 | SW 3 | M 5 x 16 | a = 8 mm |
| 70.91.23.555.0 | | 60.7991.008.1 | SW 3 | M 5 x 16 | a = 4 mm |
| 70.91.23.556.0 | | 60.7991.008.1 | SW 3 | M 5 x 16 | a = 4 mm |
| 70.91.23.557.0 | | 60.7991.008.1 | SW 3 | M 5 x 16 | a = 5 mm |
| 70.91.23.558.0 | | 60.7991.008.1 | SW 3 | M 5 x 16 | a = 6 + 7 mm |
| 70.91.23.559.0 | | 60.7991.008.1 | SW 3 | M 5 x 16 | a = 8 mm |
| 70.91.23.560.0 | | 60.7991.008.1 | SW 3 | M 5 x 16 | a = 10 mm |
| 70.91.23.580.0 | | 60.7991.008.1 | SW 3 | M 5 x 16 | Poly-V-Profil |
| 70.91.23.581.0 | | 60.7991.008.1 | SW 3 | M 5 x 16 | Poly-V-Profil |
| 70.91.23.602.0 | 8,80 x 4,76 | 60.7984.051.0 | SW 2 | M 3 x 8 | SC . N 09 03 .. |
| 70.91.23.631.0 | 11,00 x 6,00 | 60.7984.050.0 | SW 2 | M 3 x 10 | RB . N 12 07 M0 |
| 70.91.23.644.0 | 15,00 x 8,00 | 60.7984.012.0 | SW 2,5 | M 4 x 12 | RB . N 16 07 M0 |
| 70.91.23.680.0 | 19,00 x 8,00 | 60.7984.012.0 | SW 2,5 | M 4 x 12 | RB . N 20 07 M0 |
| 70.91.23.681.0 | 24,00 x 8,00 | 60.7984.012.0 | SW 2,5 | M 4 x 12 | RB . N 25 07 M0 |
| 70.91.23.756.0 | | 60.7984.052.0 | SW 2 | M 3 x 12 | Poly-V-Profil |
| 70.91.23.757.0 | | 60.7984.052.0 | SW 2 | M 3 x 12 | Poly-V-Profil |
| 70.91.26.083.0 | | 60.7984.052.0 | SW 2 | M 3 x 12 | Poly-V-Profil |
| 70.91.26.084.0 | | 60.7984.052.0 | SW 2 | M 3 x 12 | Poly-V-Profil |
| 70.91.50.151.0 | Spannschraube Clamping bolt <i>Vis de serrage</i> | | Torx 15 | M 4 x 10,5 | TP . X 16 03 |
| 70.91.53.011.0 | 8,00 x 3,00 | 60.0963.002.0 | Schlitz | M 3 x 8 | SC . N 09 04 .. |
| 70.91.53.013.0 | 9,50 x 3,20 | 60.7984.053.0 | SW 2 | M 3 x 6 | SN . N 09 04 .. |
| 70.91.53.014.0 | 9,50 x 4,80 | 60.7984.051.0 | SW 2 | M 3 x 8 | SN . N 09 03 .. |
| 70.91.53.060.0 | 11,50 x 3,20 | 60.7984.051.0 | SW 2 | M 3 x 8 | SC . N 12 04 .. |
| 70.91.53.064.0 | 12,50 x 4,00 | 60.7984.051.0 | SW 2 | M 3 x 8 | SN . N 12 07 .. |
| 70.91.53.131.0 | 8,30 x 3,20 | 60.0963.002.0 | Schlitz | M 3 x 8 | TC . N 16 04 .. |
| 70.91.53.275.0 | 12,60 x 4,00 | 60.7984.053.0 | SW 2 | M 3 x 6 | CN . X 12 07 .. |
| 70.91.53.336.0 | | 60.7984.051.0 | SW 2 | M 3 x 8 | KP 1, 36 ° |
| 70.91.53.337.0 | | 60.7984.051.0 | SW 2 | M 3 x 8 | KP 2, 36 ° |
| 70.91.53.338.0 | | 60.7984.051.0 | SW 2 | M 3 x 8 | KP 1, 36 ° |
| 70.91.53.366.0 | | 60.7984.051.0 | SW 2 | M 3 x 8 | KP 1, 38 ° |
| 70.91.53.401.0 | 12,70 x 4,00 | 60.7984.051.0 | SW 2 | M 3 x 8 | RN . N 12 07 00 |
| 70.91.53.405.0 | 16,00 x 4,00 | 60.7984.051.0 | SW 2 | M 3 x 8 | RN . N 15 07 00 |
| 70.91.53.407.0 | 19,00 x 6,00 | 60.7984.011.0 | SW 2,5 | M 4 x 10 | RN . N 19 07 00 |
| 70.91.53.413.0 | 12,70 x 7,20 | 60.7984.052.0 | SW 2 | M 3 x 12 | RN . N 12 04 00 |
| 70.91.53.420.0 | 9,50 x 4,70 | 60.7984.051.0 | SW 2 | M 3 x 8 | RN . N 09 04 00 |
| 70.91.53.484.0 | 9,50 x 6,30 | 60.7984.052.0 | SW 2 | M 3 x 12 | RN . N 09 03 00 |
| 70.91.53.793.0 | | 60.7984.051.0 | SW 2 | M 3 x 8 | KP 1, 36 ° |
| 70.91.53.806.0 | | 60.7984.051.0 | SW 2 | M 3 x 8 | P 1, 34 ° |
| 70.91.53.810.0 | | 60.7984.051.0 | SW 2 | M 3 x 8 | P 1, 34 ° |
| 70.91.53.812.0 | | 60.7984.051.0 | SW 2 | M 3 x 8 | P 1, 36 ° |

Stützplatten

Shims
Plaquettes d'assise

| SPK- Bestellnummer SPK ref. no. N° de réf. SPK | Abmessungen Dimensions Dimensions | Schraube Screw Vis | Gewinde Thread Filet | SPK- Schneidplatte SPK insert Plaquette SPK |
|---|---|--------------------------|----------------------------|--|
| 70.91.53.813.0 | | 60.7984.011.0 | SW 2,5 M 4 x 10 | P 1, 34° |
| 70.91.53.814.0 | | 60.7984.011.0 | SW 2,5 M 4 x 10 | P 1, 34° |
| 70.91.53.830.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | KP 1 + P1, 34 ° |
| 70.91.53.831.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | KP 1 + P1, 38 ° |
| 70.91.53.832.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | KP 1 + P1, 34 ° |
| 70.91.53.833.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | KP 1 + P1, 38 ° |
| 70.91.53.834.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | KP 1 + P1, 34 ° |
| 70.91.53.835.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | KP 1 + P1, 38 ° |
| 70.91.53.836.0 | | 60.7984.011.0 | SW 2,5 M 4 x 10 | KP 1 + P1, 34 ° |
| 70.91.53.837.0 | | 60.7984.011.0 | SW 2,5 M 4 x 10 | KP 1 + P1, 38 ° |
| 70.91.53.838.0 | | 60.7984.011.0 | SW 2,5 M 4 x 10 | P 1, 34 ° |
| 70.91.53.839.0 | | 60.7984.011.0 | SW 2,5 M 4 x 10 | P 1, 38 ° |
| 70.91.53.856.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | P 1, 36 ° |
| 70.91.53.857.0 | | 60.7984.011.0 | SW 2,5 M 4 x 10 | P 1, 36 ° |
| 70.91.53.858.0 | | 60.7984.011.0 | SW 2,5 M 4 x 10 | P 1, 36 ° |
| 70.91.53.861.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | P 1, 38 ° |
| 70.91.53.862.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | P 1, 38 ° |
| 70.91.53.863.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | P 1, 38 ° |
| 70.91.53.864.0 | | 60.7984.011.0 | SW 2,5 M 4 x 10 | P 1, 38 ° |
| 70.91.53.868.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | P 1, 40 ° |
| 70.91.53.875.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | P 1, 38° |
| 70.91.53.876.0 | | 60.7984.011.0 | SW 2,5 M 4 x 10 | P 1, 30° |
| 70.91.53.952.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | P 2, 30 ° |
| 70.91.53.953.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | P 2, 36 ° |
| 70.91.53.954.0 | | 60.7984.011.0 | SW 2,5 M 4 x 10 | P 2, 36 ° |
| 70.91.53.957.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | P 2, 30 ° |
| 70.91.53.959.0 | | 60.7984.051.0 | SW 2 M 3 x 8 | P 2, 36 ° |

Stützplatten Shims Plaquettes d'assise

| Stützplatte komplett Shim element complete | Abmessungen Dimensions <i>Dimensions</i> | Stift Pin <i>Trou</i> | SPK- Schneidplatte SPK insert <i>Plaquette SPK</i> | |
|---|---|------------------------------------|---|------------------------|
| 70.91.53.428.0 | 13,50 x 7,90 | 33.60.1481.006.0 | 2,5 x 10 | RC . X 15 10 00 |
| 70.91.53.444.0 | 7,80 x 6,25 | 33.60.1481.001.0 | 2,0 x 10 | RC . X 09 07 00 |
| 70.91.53.446.0 | 13,50 x 6,00 | 33.60.1481.006.0 | 2,5 x 10 | RC . N 15 07 00 |
| 70.91.53.450.0 | 10,70 x 7,10 | 33.60.1481.016.0 | 2,5 x 8 | RC . X 12 07 00 |
| 70.91.53.451.0 | 16,50 x 8,80 | 33.60.1481.003.0 | 3,0 x 12 | RC . X 19 10 00 |
| 70.91.53.461.0 | 7,80 x 4,00 | 33.60.1481.001.0 | 2,0 x 10 | RC . N 09 07 00 |
| 70.91.53.462.0 | 10,70 x 4,00 | 33.60.1481.006.0 | 2,5 x 10 | RC . N 12 07 00 |
| 70.91.53.473.0 | 16,60 x 6,00 | 33.60.1481.003.0 | 3,0 x 12 | RC . N 19 07 00 |

| Stützplatte komplett Shim element complete | Stützplatte Shim <i>Plaquette d'assise</i> | Abmessungen Dimensions <i>Dimensions</i> | Spannbolzen Pin <i>Trou</i> | SPK- Schneidplatte SPK insert <i>Plaquette SPK</i> | |
|---|---|---|--|---|------------------------|
| 70.91.26.001.6 | 70.91.22.010.1 | 12,50 x 4,76 | 70.91.30.016.0 | SW 2,5 | SN . A 12 07 .. |
| 70.91.26.002.6 | 70.91.22.012.1 | 15,68 x 4,76 | 70.91.30.017.0 | SW 3 | SN . A 15 07 .. |
| 70.91.26.003.6 | 70.91.22.014.1 | 12,50 x 4,76 | 70.91.30.016.0 | SW 2,5 | CN . A 12 07 .. |
| 70.91.26.004.6 | 70.91.22.016.1 | 15,68 x 4,76 | 70.91.30.017.0 | SW 3 | CN . A 16 07 .. |
| 70.91.26.006.6 | 70.91.22.020.1 | 12,50 x 4,76 | 70.91.30.016.0 | SW 2,5 | DN . A 15 07 .. |
| 70.91.26.007.6 | 70.91.22.011.1 | 12,50 x 7,94 | 70.91.30.016.0 | SW 2,5 | SN . A 12 04 .. |
| 70.91.26.009.6 | 70.91.22.015.1 | 12,50 x 7,94 | 70.91.30.016.0 | SW 2,5 | CN . A 12 04 .. |
| 70.91.26.011.6 | 70.91.22.019.1 | 9,80 x 7,94 | 70.91.30.018.0 | SW 2 | DN . A 12 04 .. |
| 70.91.26.012.6 | 70.91.22.021.1 | 12,50 x 7,94 | 70.91.30.016.0 | SW 2,5 | DN . A 15 04 .. |
| 70.91.26.022.6 | 70.91.22.025.1 | 15,68 x 6,35 | 70.91.30.017.0 | SW 3 | SN . A 15 06 .. |
| 70.91.26.037.6 | 70.91.22.028.1 | 9,32 x 7,94 | 70.91.30.018.0 | SW 2 | TN . A 16 04 .. |
| 70.91.26.043.6 | 70.91.22.034.1 | 12,50 x 7,94 | 70.91.30.016.0 | SW 2,5 | RN . A 12 04 .. |
| 70.91.26.050.6 | 70.91.22.048.1 | 12,50 x 6,35 | 70.91.30.016.0 | SW 2,5 | DN . A 15 06 .. |
| 70.91.26.062.6 | 70.91.22.047.1 | 15,68 x 6,35 | 70.91.30.017.0 | SW 3 | CN . A 16 06 .. |
| 70.91.26.098.6 | 70.91.22.119.1 | 9,32 x 6,40 | 70.91.30.031.0 | SW 2 | VN . A 16 04 .. |



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