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Технические характеристики

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DREHWERKZEUGE

TOOLS FOR TURNING

PORTE-OUTILS POUR LE TOURNAGE

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Drehwerkzeuge
Tools for turning
Porte-outils pour le tournage

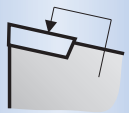


Bezeichnungssystem für Klemmhalter nach ISO 5608

Designation system for toolholders ISO 5608


Système de dénomination ISO 5608 pour porte-outils

C



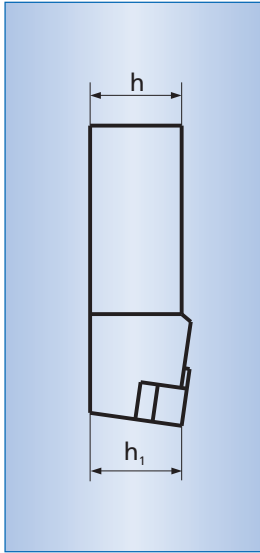
Von oben geklemmt
Top clamping
Fixation par bride

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

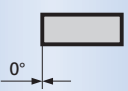
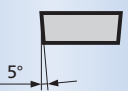
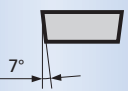
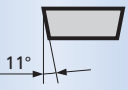
Werkzeughöhe
Tool height
Hauteur d'outil

C S R N L 25




Plattenform
Insert shape
Forme de plaquette

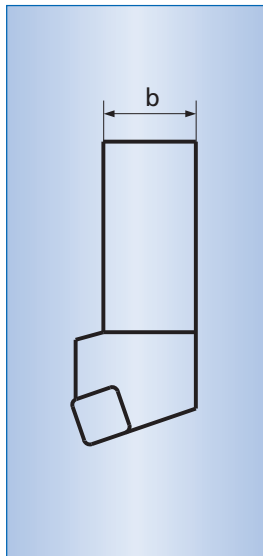
| | |
|--------------|-----------------|
| C 80° | D 55° |
| E 75° | R Circle |
| S 90° | T 60° |
| V 35° | |

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

-

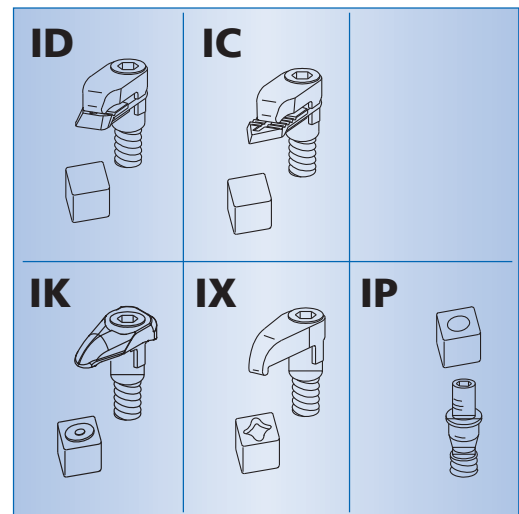
ID

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



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Das integrierte SPK-Klemmsystem IKS

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

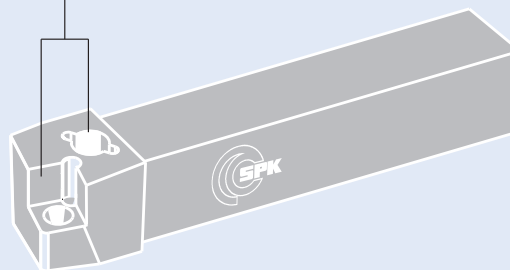
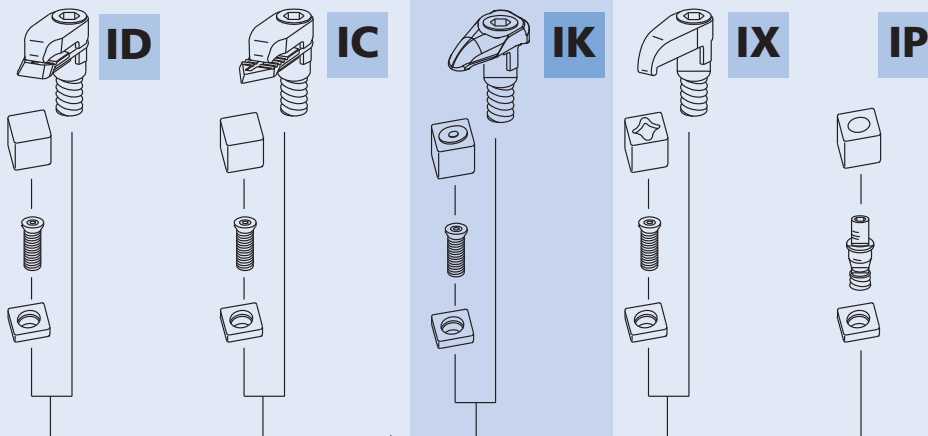
**Klemmelement mit Druckplatte
 (für kurzspanende Werkstoffe)**
 Clamping element
 with thrust plate
 (for short-chip material)
*Élément de serrage
 avec plaquette de poussée
 (pour des matières à
 copeaux fragmentés)*

**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

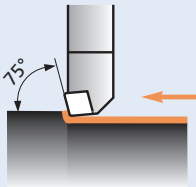
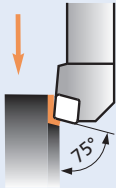
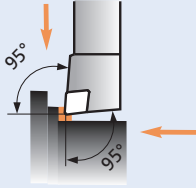
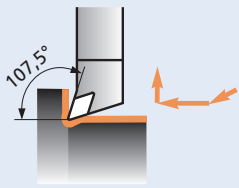
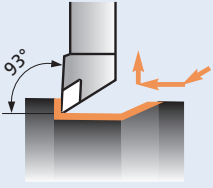
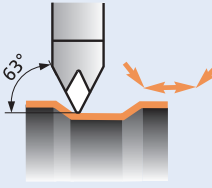
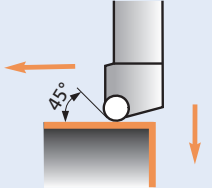
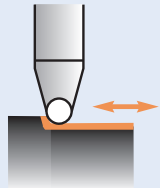
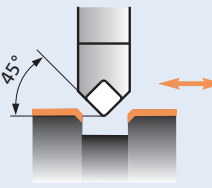
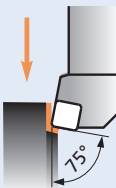
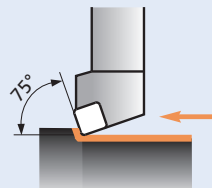
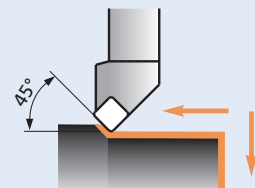
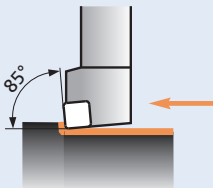
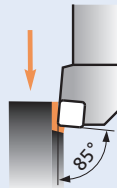
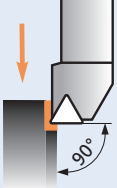
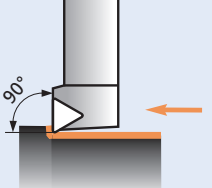


Ein Grundelement für 5 Klemmsysteme
 One basic element for 5 clamping systems
Un seul élément de base pour 5 systèmes de se

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

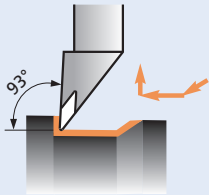
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|--|--|---|--|
| CCBN L / R PCBN L / R  Seite • Page 12-13 | CCKN L / R PCKN L / R  Seite • Page 14-15 | CCLN L / R PCLN L / R  Seite • Page 16-17 | CDHN L / R PDHN L / R  Seite • Page 18-19 |
| CDJN L / R PDJN L / R  Seite • Page 20-21 | CDNN N PDNN N  Seite • Page 22-23 | CRSN L / R PRSN L / R  Seite • Page 24 | CRDN N PRDN N  Seite • Page 25 |
| 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 |
| CSXN L / R PSXN L / R  Seite • Page 34-35 | CSYN L / R PSYN L / R  Seite • Page 36-37 | CTFN L / R PTFN L / R  Seite • Page 38 | CTGN L / R PTGN L / R  Seite • Page 39 |

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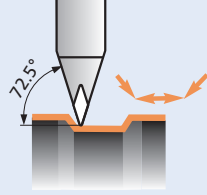
IKS-Drehwerkzeuge • IKS Tools for turning • Porte-outils IKS pour le tournage

CVJN L / R
PVJN L / R



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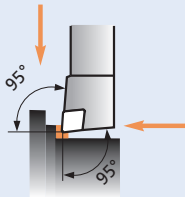
CVVN N
PVVN N



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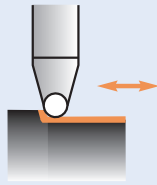
Drehwerkzeuge • Tools for turning • Porte-outils pour le tournage

CCLN L / R



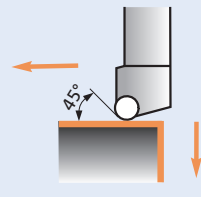
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CRDN L / R



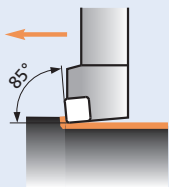
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CRSN L / R



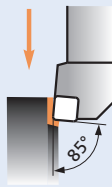
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CSXN L / R



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CSYN L / R

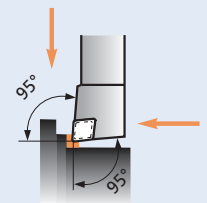
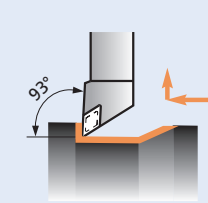
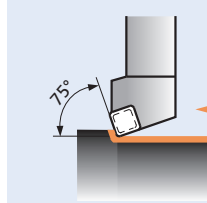
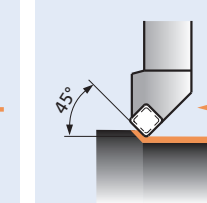


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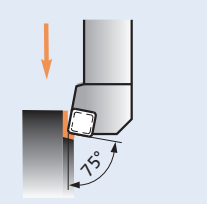
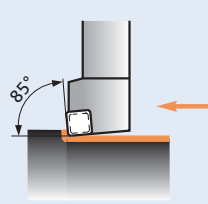
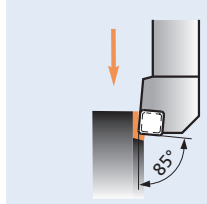
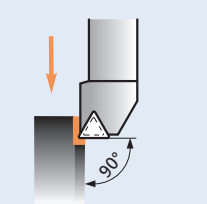
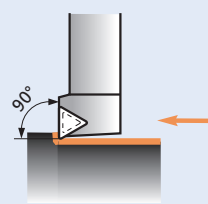
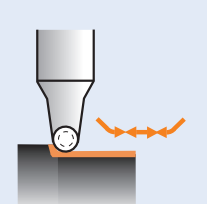
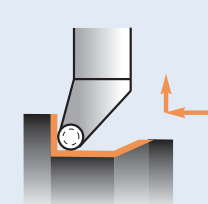
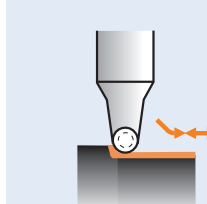
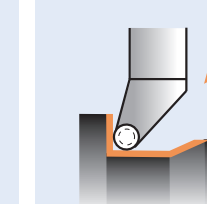
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IKS-Drehwerkzeuge positiv · IKS Tools positiv for turning · *Porte-outils positifs IKS pour le tournage*

| | | | |
|---|---|--|---|
| CCLC L / R | CDJC L / R | CSRC L / R | CSSN L / R |
|  |  |  |  |
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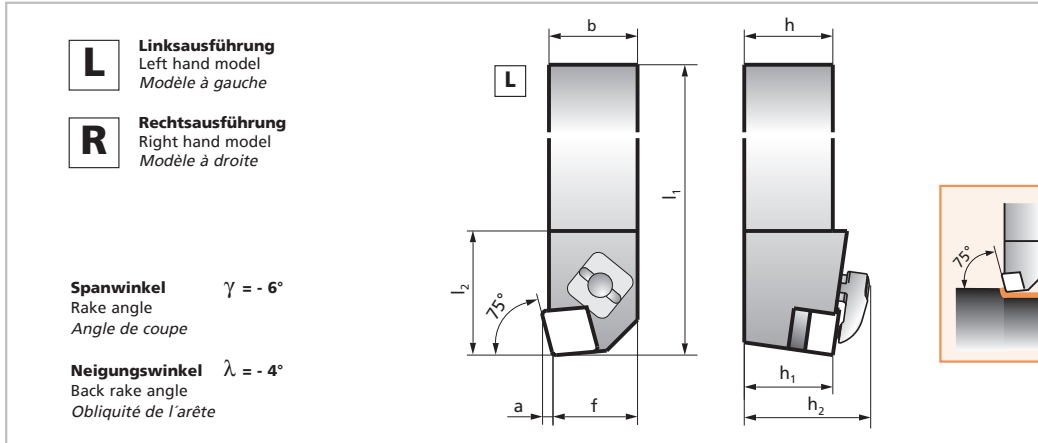
Drehwerkzeuge positiv · Tools positiv for turning · *Porte-outils positifs pour le tournage*

| | | | |
|---|---|--|---|
| CSKCL / R | CSXC L / R | CSYC L / R | |
|  |  |  | |
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| CTFC L / R | CTGC L / R | | |
|  |  | | |
| Seite · Page 56 | Seite · Page 57 | | |
| CRDC N | CRGC L / R | CRXB N | CRGB L / R |
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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 | | |
|--|----------------------------|---|--|----------------|----------------|
| IKS - PRO | CN . N 12 04 .. | CCBN L 2525 M 12 - IC 4 | 711.24.040.04 | 70.91.15.017.0 | 70.91.22.015.0 |
| | | CCBN R 2525 M 12 - IC 4 | 711.23.040.04 | 70.91.15.016.0 | 70.91.22.015.0 |
| | | CCBN L 3225 P 12 - IC 4 | 711.24.037.04 | 70.91.15.017.0 | 70.91.22.015.0 |
| | | CCBN R 3225 P 12 - IC 4 | 711.23.037.04 | 70.91.15.016.0 | 70.91.22.015.0 |
| | | CCBN L 2525 M 12 - ID 4 | 711.24.040.02 | 70.91.15.005.0 | 70.91.22.015.0 |
| | | CCBN R 2525 M 12 - ID 4 | 711.23.040.02 | 70.91.15.005.0 | 70.91.22.015.0 |
| | | CCBN L 3225 P 12 - ID 4 | 711.24.037.02 | 70.91.15.005.0 | 70.91.22.015.0 |
| | | CCBN R 3225 P 12 - ID 4 | 711.23.037.02 | 70.91.15.005.0 | 70.91.22.015.0 |
| | CN . N 12 07 .. | CCBN L 2525 M 12 - IC 7 | 711.24.040.03 | 70.91.15.017.0 | 70.91.22.014.0 |
| | | CCBN R 2525 M 12 - IC 7 | 711.23.040.03 | 70.91.15.016.0 | 70.91.22.014.0 |
| | | CCBN L 3225 P 12 - IC 7 | 711.24.037.03 | 70.91.15.017.0 | 70.91.22.014.0 |
| | | CCBN R 3225 P 12 - IC 7 | 711.23.037.03 | 70.91.15.016.0 | 70.91.22.014.0 |
| | | CCBN L 2525 M 12 - ID 7 | 711.24.040.01 | 70.91.15.005.0 | 70.91.22.014.0 |
| | | CCBN R 2525 M 12 - ID 7 | 711.23.040.01 | 70.91.15.005.0 | 70.91.22.014.0 |
| CN . X 12 04 .. | CCBN L 2525 M 12 - IK 4 | 711.24.040.29 | 70.91.11.718.6 | 70.91.22.015.0 | |
| | CCBN R 2525 M 12 - IK 4 | 711.23.040.29 | 70.91.11.718.6 | 70.91.22.015.0 | |
| | CCBN L 3225 P 12 - IK 4 | 711.24.037.29 | 70.91.11.718.6 | 70.91.22.015.0 | |
| | CCBN R 3225 P 12 - IK 4 | 711.23.037.29 | 70.91.11.718.6 | 70.91.22.015.0 | |
| CN . X 12 07 .. | CCBN L 2525 M 12 - IK 7 | 711.24.040.25 | 70.91.11.718.6 | 70.91.22.014.0 | |
| | CCBN R 2525 M 12 - IK 7 | 711.23.040.25 | 70.91.11.718.6 | 70.91.22.014.0 | |
| | CCBN L 3225 P 12 - IK 7 | 711.24.037.25 | 70.91.11.718.6 | 70.91.22.014.0 | |
| | CCBN R 3225 P 12 - IK 7 | 711.23.037.25 | 70.91.11.718.6 | 70.91.22.014.0 | |
| CN . X 12 07 .. | CCBN L 2525 M 12 - IX 7 | 711.24.040.05 | 70.91.11.371.0 | 70.91.22.014.0 | |
| | CCBN R 2525 M 12 - IX 7 | 711.23.040.05 | 70.91.11.371.0 | 70.91.22.014.0 | |
| | CCBN L 3225 P 12 - IX 7 | 711.24.037.05 | 70.91.11.371.0 | 70.91.22.014.0 | |
| | CCBN R 3225 P 12 - IX 7 | 711.23.037.05 | 70.91.11.371.0 | 70.91.22.014.0 | |
| CN . A 12 04 .. | PCBN L 2525 M 12 - IP 4 | 711.24.040.08 | 70.91.15.005.0 | 70.91.26.009.6 | |
| | PCBN R 2525 M 12 - IP 4 | 711.23.040.08 | 70.91.15.005.0 | 70.91.26.009.6 | |
| | PCBN L 3225 P 12 - IP 4 | 711.24.037.08 | 70.91.15.005.0 | 70.91.26.009.6 | |
| | PCBN R 3225 P 12 - IP 4 | 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*

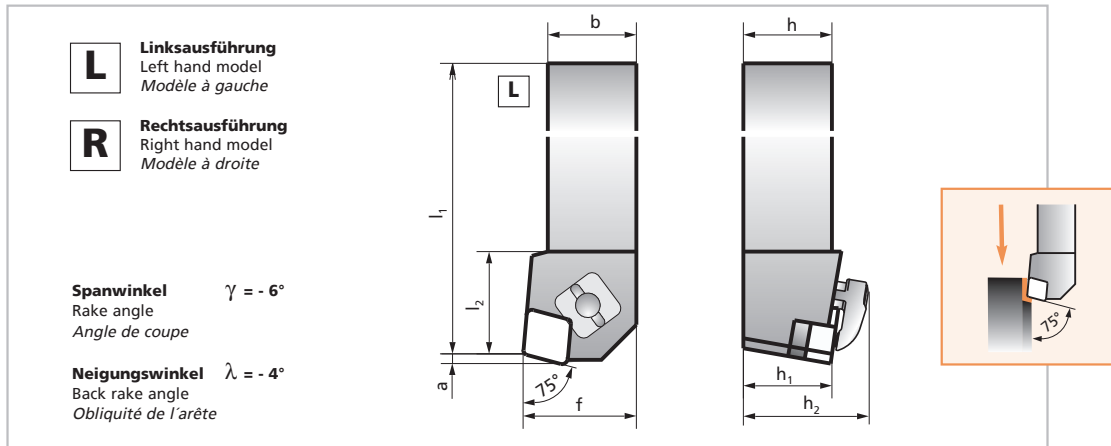
Keramik • Ceramic • Céramique 16 - 21 **Cermet** • Cermet • Cermet 59 - 67 **WURBON®** • WURBON® • WURBON® 85 - 89

| 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 CCBN R 2525 M 16 - IC 4 CCBN L 3225 P 16 - IC 4 CCBN R 3225 P 16 - IC 4 CCBN L 2525 M 16 - ID 4 CCBN R 2525 M 16 - ID 4 CCBN L 3225 P 16 - ID 4 CCBN R 3225 P 16 - ID 4 | 711.24.023.04 | 70.91.15.004.0 | 70.91.22.017.0 | |
| | | 711.23.023.04 | 70.91.15.003.0 | 70.91.22.017.0 | |
| | | 711.24.024.04 | 70.91.15.004.0 | 70.91.22.017.0 | |
| | | 711.23.024.04 | 70.91.15.003.0 | 70.91.22.017.0 | |
| | | 711.24.023.02 | 70.91.15.005.0 | 70.91.22.017.0 | |
| | | 711.23.023.02 | 70.91.15.005.0 | 70.91.22.017.0 | |
| | | 711.24.024.02 | 70.91.15.005.0 | 70.91.22.017.0 | |
| | | 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 CCBN R 2525 M 16 - IC 7 CCBN L 3225 P 16 - IC 7 CCBN R 3225 P 16 - IC 7 CCBN L 2525 M 16 - ID 7 CCBN R 2525 M 16 - ID 7 CCBN L 3225 P 16 - ID 7 CCBN R 3225 P 16 - ID 7 | 711.24.023.03 | 70.91.15.004.0 | 70.91.22.016.0 | |
| | | 711.23.023.03 | 70.91.15.003.0 | 70.91.22.016.0 | |
| | | 711.24.024.03 | 70.91.15.004.0 | 70.91.22.016.0 | |
| | | 711.23.024.03 | 70.91.15.003.0 | 70.91.22.016.0 | |
| | | 711.24.023.01 | 70.91.15.005.0 | 70.91.22.016.0 | |
| | | 711.23.023.01 | 70.91.15.005.0 | 70.91.22.016.0 | |
| | | 711.24.024.01 | 70.91.15.005.0 | 70.91.22.016.0 | |
| | | 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 CCBN R 2525 M 16 - IK 7 CCBN L 3225 P 16 - IK 7 CCBN R 3225 P 16 - IK 7 | 711.24.023.25 | 70.91.11.718.6 | 70.91.22.016.0 | |
| | | 711.23.023.25 | 70.91.11.718.6 | 70.91.22.016.0 | |
| | | 711.24.024.25 | 70.91.11.718.6 | 70.91.22.016.0 | |
| | | 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 CCBN R 2525 M 16 - IX 7 CCBN L 3225 P 16 - IX 7 CCBN R 3225 P 16 - IX 7 | 711.24.023.05 | 70.91.11.316.0 | 70.91.22.016.0 | |
| | | 711.23.023.05 | 70.91.11.316.0 | 70.91.22.016.0 | |
| | | 711.24.024.05 | 70.91.11.316.0 | 70.91.22.016.0 | |
| | | 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 .. | CCKN L 2525 M 12 - IC 4 | 711.24.025.04 | 70.91.15.017.0 | 70.91.22.015.0 | | |
| | CCKN R 2525 M 12 - IC 4 | 711.23.025.04 | 70.91.15.016.0 | 70.91.22.015.0 | | |
| | CCKN L 3225 P 12 - IC 4 | 711.24.026.04 | 70.91.15.017.0 | 70.91.22.015.0 | | |
| | CCKN R 3225 P 12 - IC 4 | 711.23.026.04 | 70.91.15.016.0 | 70.91.22.015.0 | | |
| | CCKN L 2525 M 12 - ID 4 | 711.24.025.02 | 70.91.15.005.0 | 70.91.22.015.0 | | |
| | CCKN R 2525 M 12 - ID 4 | 711.23.025.02 | 70.91.15.005.0 | 70.91.22.015.0 | | |
| | CCKN L 3225 P 12 - ID 4 | 711.24.026.02 | 70.91.15.005.0 | 70.91.22.015.0 | | |
| | CCKN R 3225 P 12 - ID 4 | 711.23.026.02 | 70.91.15.005.0 | 70.91.22.015.0 | | |
| | CN . N 12 07 .. | CCKN L 2525 M 12 - IC 7 | 711.24.025.03 | 70.91.15.017.0 | 70.91.22.014.0 | |
| | | CCKN R 2525 M 12 - IC 7 | 711.23.025.03 | 70.91.15.016.0 | 70.91.22.014.0 | |
| | | CCKN L 3225 P 12 - IC 7 | 711.24.026.03 | 70.91.15.017.0 | 70.91.22.014.0 | |
| | | CCKN R 3225 P 12 - IC 7 | 711.23.026.03 | 70.91.15.016.0 | 70.91.22.014.0 | |
| | | CCKN L 2525 M 12 - ID 7 | 711.24.025.01 | 70.91.15.005.0 | 70.91.22.014.0 | |
| | | CCKN R 2525 M 12 - ID 7 | 711.23.025.01 | 70.91.15.005.0 | 70.91.22.014.0 | |
| CCKN L 3225 P 12 - ID 7 | | 711.24.026.01 | 70.91.15.005.0 | 70.91.22.014.0 | | |
| CCKN R 3225 P 12 - ID 7 | | 711.23.026.01 | 70.91.15.005.0 | 70.91.22.014.0 | | |
| IKS - PRO CN . X 12 04 .. | CCKN L 2525 M 12 - IK 4 | 711.24.025.29 | 70.91.11.718.6 | 70.91.22.015.0 | | |
| | CCKN R 2525 M 12 - IK 4 | 711.23.025.29 | 70.91.11.718.6 | 70.91.22.015.0 | | |
| | CCKN L 3225 P 12 - IK 4 | 711.24.026.29 | 70.91.11.718.6 | 70.91.22.015.0 | | |
| | CCKN R 3225 P 12 - IK 4 | 711.23.026.29 | 70.91.11.718.6 | 70.91.22.015.0 | | |
| | CN . X 12 07 .. | CCKN L 2525 M 12 - IK 7 | 711.24.025.25 | 70.91.11.718.6 | 70.91.22.014.0 | |
| | | CCKN R 2525 M 12 - IK 7 | 711.23.025.25 | 70.91.11.718.6 | 70.91.22.014.0 | |
| | | CCKN L 3225 P 12 - IK 7 | 711.24.026.25 | 70.91.11.718.6 | 70.91.22.014.0 | |
| | | CCKN R 3225 P 12 - IK 7 | 711.23.026.25 | 70.91.11.718.6 | 70.91.22.014.0 | |
| | CN . X 12 07 .. | CCKN L 2525 M 12 - IX 7 | 711.24.025.05 | 70.91.11.371.0 | 70.91.22.014.0 | |
| | | CCKN R 2525 M 12 - IX 7 | 711.23.025.05 | 70.91.11.371.0 | 70.91.22.014.0 | |
| CCKN L 3225 P 12 - IX 7 | | 711.24.026.05 | 70.91.11.371.0 | 70.91.22.014.0 | | |
| CCKN R 3225 P 12 - IX 7 | | 711.23.026.05 | 70.91.11.371.0 | 70.91.22.014.0 | | |
| CN . A 12 04 .. | PCKN L 2525 M 12 - IP 4 | 711.24.025.08 | 70.91.15.005.0 | | 70.91.26.009.6 | |
| | PCKN R 2525 M 12 - IP 4 | 711.23.025.08 | 70.91.15.005.0 | | 70.91.26.009.6 | |
| | PCKN L 3225 P 12 - IP 4 | 711.24.026.08 | 70.91.15.005.0 | | 70.91.26.009.6 | |
| | PCKN R 3225 P 12 - IP 4 | 711.23.026.08 | 70.91.15.005.0 | | 70.91.26.009.6 | |

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Contents tools for turning

Table des matières porte-outils 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 | 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 |

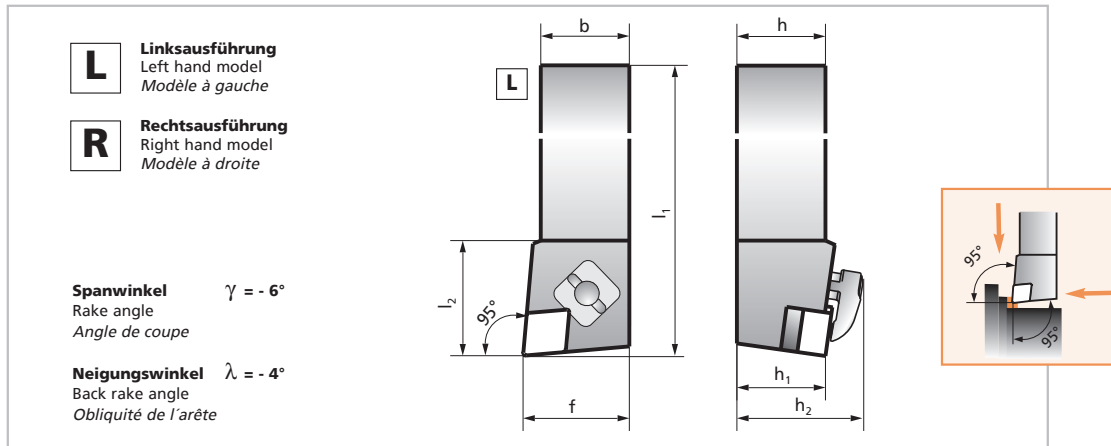
Schnittdatenempfehlungen • Cutting data recommendations • Recommandations de conditions de coupe







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 | |
| IKS - PRO CN . X 16 07 .. | 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 | |
| | | 711.24.002.02 | 70.91.15.005.0 | 70.91.22.015.0 | |
| | | 711.23.002.02 | 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 | |
| 711.24.002.01 | | 70.91.15.005.0 | 70.91.22.014.0 | | |
| 711.23.002.01 | | 70.91.15.005.0 | 70.91.22.014.0 | | |
| IKS - PRO CN . X 12 04 ..  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 | |
| CN . X 12 07 ..  | 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
PCLN □ 2525

CCLN □ 3225
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*

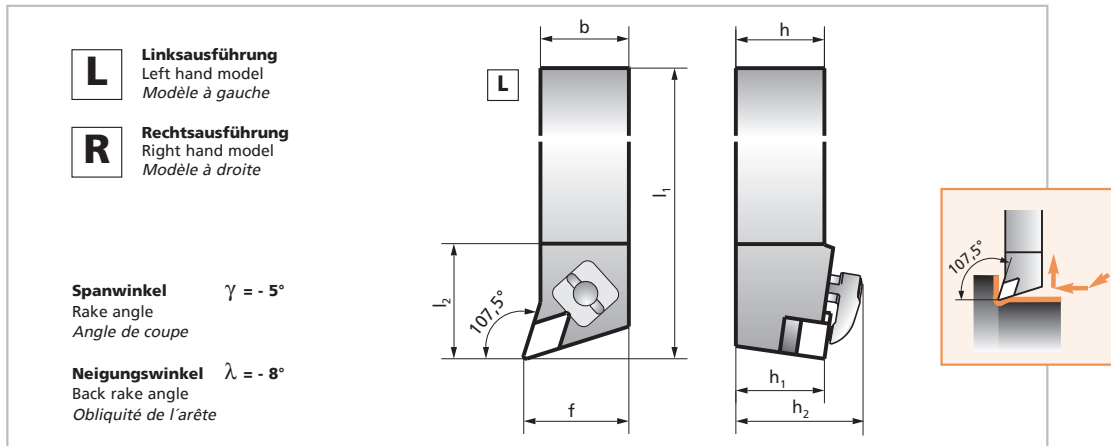
Keramik • Ceramic • Céramique  16 - 21 Cermet • Cermet • Cermet  59 - 67 WURBON® • WURBON® • WURBON®  85 - 89






| 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 | 711.24.019.04 | 70.91.15.014.0 | 70.91.22.019.0 | | |
| | CDHN R 2525 M 12 - IC 4 | 711.23.019.04 | 70.91.15.013.0 | 70.91.22.019.0 | | |
| | CDHN L 3225 P 12 - IC 4 | 711.24.020.04 | 70.91.15.014.0 | 70.91.22.019.0 | | |
| | CDHN R 3225 P 12 - IC 4 | 711.23.020.04 | 70.91.15.013.0 | 70.91.22.019.0 | | |
| | CDHN L 2525 M 12 - ID 4 | 711.24.019.02 | 70.91.15.001.0 | 70.91.22.019.0 | | |
| | CDHN R 2525 M 12 - ID 4 | 711.23.019.02 | 70.91.15.001.0 | 70.91.22.019.0 | | |
| | CDHN L 3225 P 12 - ID 4 | 711.24.020.02 | 70.91.15.001.0 | 70.91.22.019.0 | | |
| | CDHN R 3225 P 12 - ID 4 | 711.23.020.02 | 70.91.15.001.0 | 70.91.22.019.0 | | |
| | DN . N 12 07 ..  | CDHN L 2525 M 12 - IC 7 | 711.24.019.03 | 70.91.15.014.0 | 70.91.22.018.0 | |
| | | CDHN R 2525 M 12 - IC 7 | 711.23.019.03 | 70.91.15.013.0 | 70.91.22.018.0 | |
| CDHN L 3225 P 12 - IC 7 | | 711.24.020.03 | 70.91.15.014.0 | 70.91.22.018.0 | | |
| CDHN R 3225 P 12 - IC 7 | | 711.23.020.03 | 70.91.15.013.0 | 70.91.22.018.0 | | |
| CDHN L 2525 M 12 - ID 7 | | 711.24.019.01 | 70.91.15.001.0 | 70.91.22.018.0 | | |
| CDHN R 2525 M 12 - ID 7 | | 711.23.019.01 | 70.91.15.001.0 | 70.91.22.018.0 | | |
| CDHN L 3225 P 12 - ID 7 | | 711.24.020.01 | 70.91.15.001.0 | 70.91.22.018.0 | | |
| CDHN R 3225 P 12 - ID 7 | | 711.23.020.01 | 70.91.15.001.0 | 70.91.22.018.0 | | |
| DN . X 12 07 ..  | CDHN L 2525 M 12 - IX 7 | 711.24.019.05 | 70.91.11.316.0 | 70.91.22.018.0 | | |
| | CDHN R 2525 M 12 - IX 7 | 711.23.019.05 | 70.91.11.316.0 | 70.91.22.018.0 | | |
| | CDHN L 3225 P 12 - IX 7 | 711.24.020.05 | 70.91.11.316.0 | 70.91.22.018.0 | | |
| | CDHN R 3225 P 12 - IX 7 | 711.23.020.05 | 70.91.11.316.0 | 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*

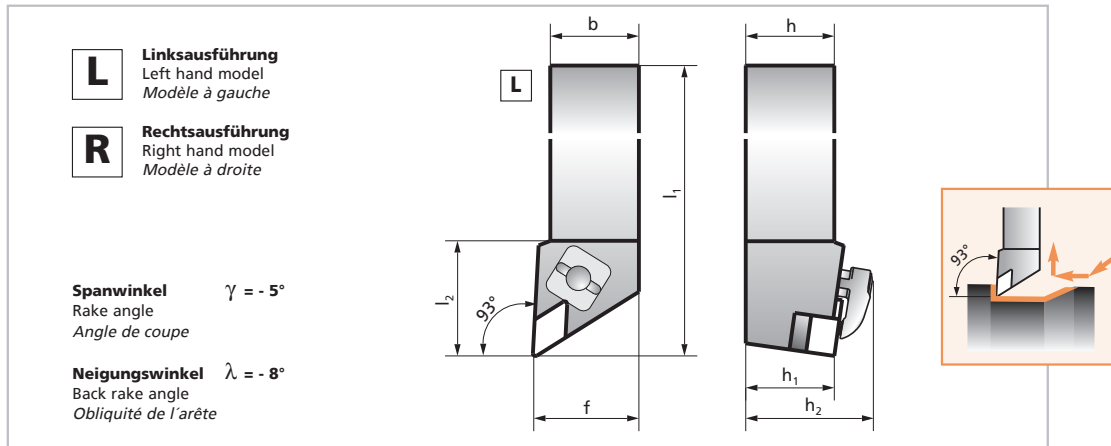
Keramik • Ceramic • Céramique  16 - 21 Cermet • Cermet • Cermet  59 - 67 WURBON® • WURBON® • WURBON®  85 - 89






| 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 |  |  | |
| | 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*

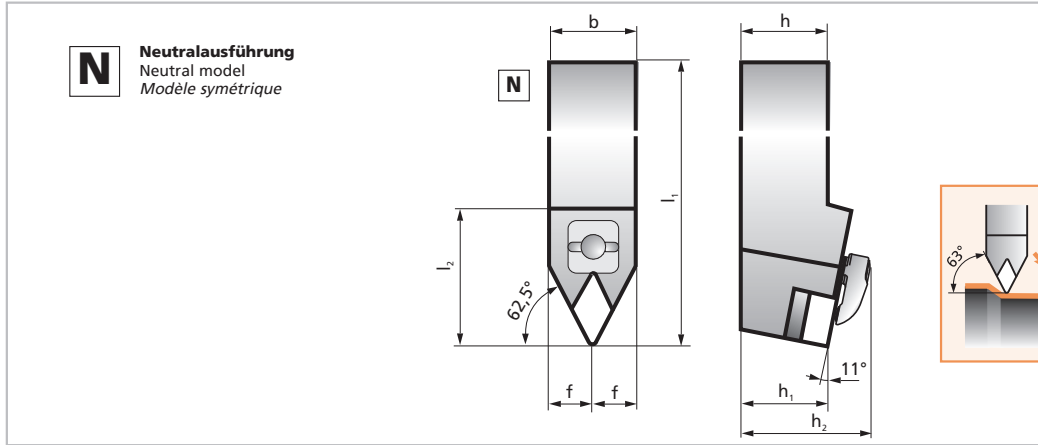
Keramik • Ceramic • Céramique  16 - 21 Cermet • Cermet • Cermet  59 - 67 WURBON® • WURBON® • WURBON®  85 - 89






| 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 |  |  | |
| 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 | 70.91.22.019.0 70.91.22.019.0 | |
| 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*

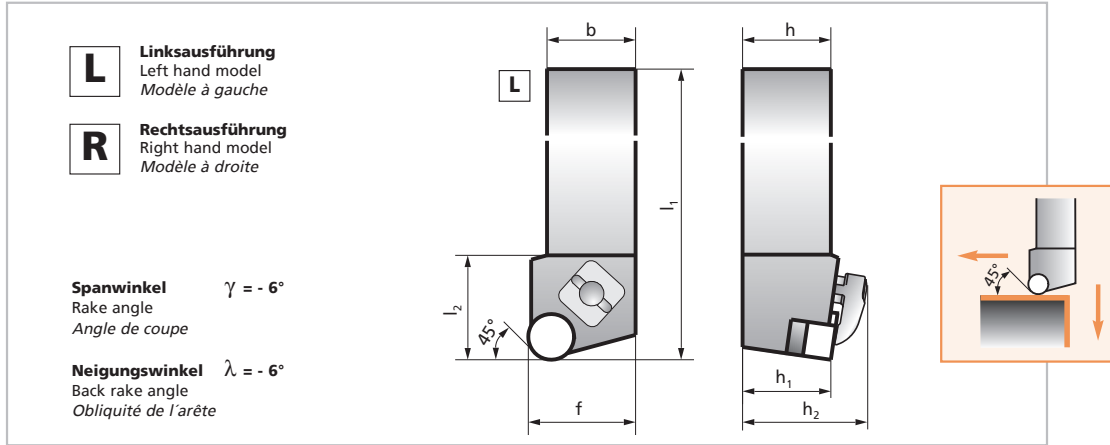
Keramik • Ceramic • Céramique  16 - 21 Cermet • Cermet • Cermet  59 - 67 WURBON® • WURBON® • WURBON®  85 - 89

| 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 70.91.15.005.0 | 70.91.22.020.0 70.91.22.020.0 | |
| | CDNN N 3225 P 15 - ID 7 | 711.25.002.01 | | | |
| IKS - PRO DN . X 1507 ..  | CDNN N 2525 M 15 - IK 7 | 711.25.001.25 | 70.91.11.720.6 70.91.11.720.6 | 70.91.22.020.0 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 70.91.11.332.0 | 70.91.22.020.0 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 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 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 |

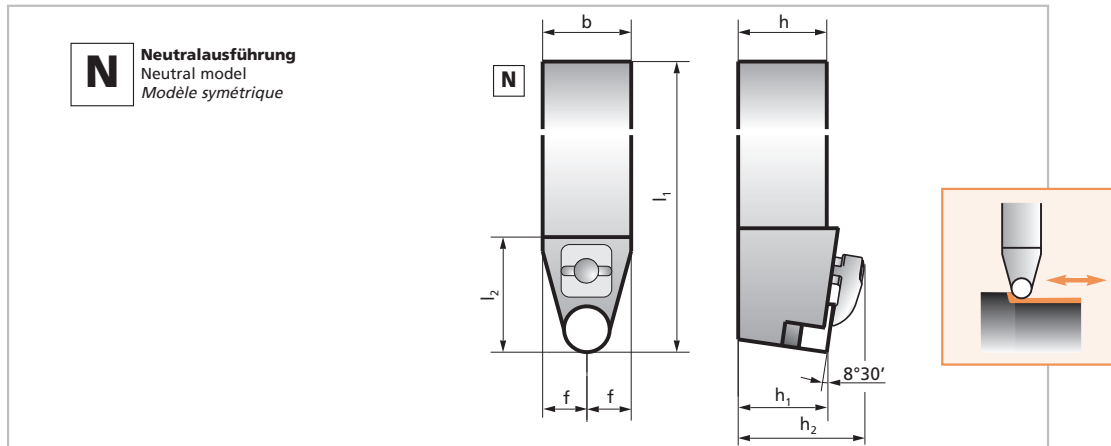
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

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 | 711.44.001.02 | 70.91.15.001.0 | 70.91.22.034.0 | |
| | CRSN R 2525 M 12 - ID 4 | 711.43.001.02 | 70.91.15.001.0 | 70.91.22.034.0 | |
| | CRSN L 3225 P 12 - ID 4 | 711.44.002.02 | 70.91.15.001.0 | 70.91.22.034.0 | |
| | CRSN R 3225 P 12 - ID 4 | 711.43.002.02 | 70.91.15.001.0 | 70.91.22.034.0 | |
| RN . N 12 07 .. | CRSN L 2525 M 12 - ID 7 | 711.44.001.01 | 70.91.15.001.0 | 70.91.22.033.0 | |
| | CRSN R 2525 M 12 - ID 7 | 711.43.001.01 | 70.91.15.001.0 | 70.91.22.033.0 | |
| | CRSN L 3225 P 12 - ID 7 | 711.44.002.01 | 70.91.15.001.0 | 70.91.22.033.0 | |
| | CRSN R 3225 P 12 - ID 7 | 711.43.002.01 | 70.91.15.001.0 | 70.91.22.033.0 | |
| RN . A 12 04 .. | PRSN L 2525 M 12 - IP 4 | 711.44.001.08 | 70.91.15.001.0 | | 70.91.26.043.6 |
| | PRSN R 2525 M 12 - IP 4 | 711.43.001.08 | 70.91.15.001.0 | | 70.91.26.043.6 |
| | PRSN L 3225 P 12 - IP 4 | 711.44.002.08 | 70.91.15.001.0 | | 70.91.26.043.6 |
| | PRSN R 3225 P 12 - IP 4 | 711.43.002.08 | 70.91.15.001.0 | | 70.91.26.043.6 |

CRDN 2525 CRDN 3225
 PRDN 2525 PRDN 3225

IKS-Drehwerkzeuge
 IKS Tools for turning
 Porte-outils IKS 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 | 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*

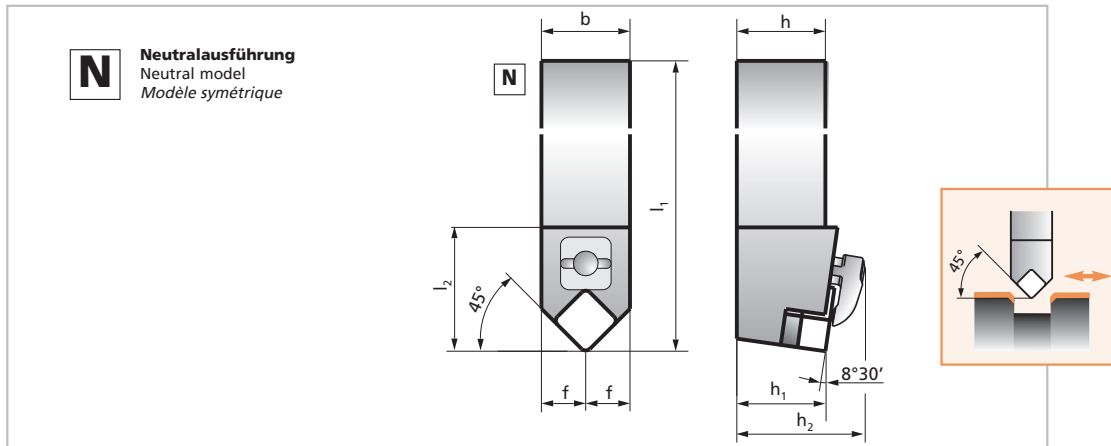
Keramik • Ceramic • Céramique 16 - 21 **WURBON®** • WURBON® • WURBON® 85 - 89

| 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 70.91.26.043.6 |
| | | 711.46.002.08 | 70.91.15.001.0 | | |

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 .. | 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 .. | 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 |
| | SN . X 12 07 .. | 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*

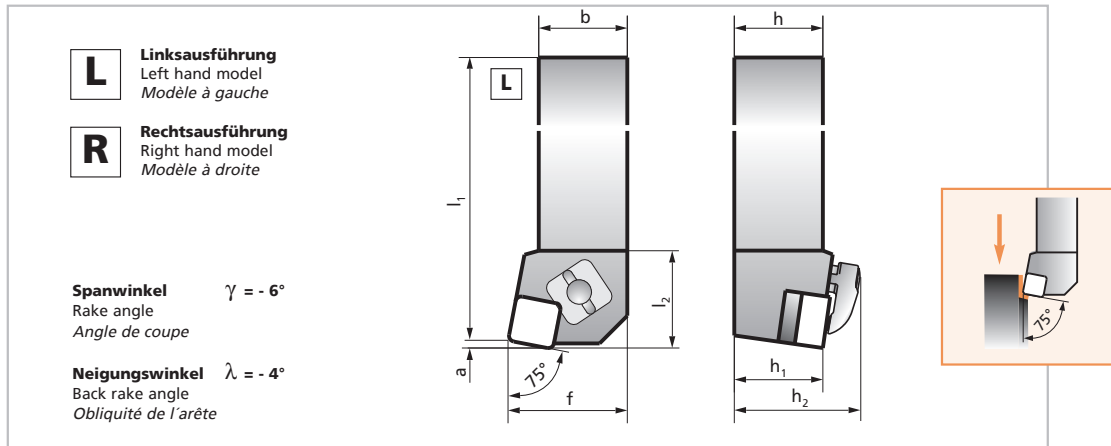
Keramik • Ceramic • Céramique 16 - 21 Cermet • Cermet • Cermet 59 - 67 WURBON® • WURBON® • WURBON® 85 - 89







| 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 | 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 | 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 | 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 | |
| SN . X 15 07 ..  | CSDN N 2525 M 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 ..  | CSKN L 2525 M 12 - IC 4 | 711.04.003.04 | 70.91.15.003.0 | 70.91.22.011.0 | | |
| | CSKN R 2525 M 12 - IC 4 | 711.03.003.04 | 70.91.15.004.0 | 70.91.22.011.0 | | |
| | CSKN L 3225 P 12 - IC 4 | 711.04.004.04 | 70.91.15.003.0 | 70.91.22.011.0 | | |
| | CSKN R 3225 P 12 - IC 4 | 711.03.004.04 | 70.91.15.004.0 | 70.91.22.011.0 | | |
| | CSKN L 2525 M 12 - ID 4 | 711.04.003.02 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | CSKN R 2525 M 12 - ID 4 | 711.03.003.02 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | CSKN L 3225 P 12 - ID 4 | 711.04.004.02 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | CSKN R 3225 P 12 - ID 4 | 711.03.004.02 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | SN . N 12 07 ..  | CSKN L 2525 M 12 - IC 7 | 711.04.003.03 | 70.91.15.003.0 | 70.91.22.010.0 | |
| | | CSKN R 2525 M 12 - IC 7 | 711.03.003.03 | 70.91.15.004.0 | 70.91.22.010.0 | |
| | | CSKN L 3225 P 12 - IC 7 | 711.04.004.03 | 70.91.15.003.0 | 70.91.22.010.0 | |
| | | CSKN R 3225 P 12 - IC 7 | 711.03.004.03 | 70.91.15.004.0 | 70.91.22.010.0 | |
| | | CSKN L 2525 M 12 - ID 7 | 711.04.003.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| | | CSKN R 2525 M 12 - ID 7 | 711.03.003.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| CSKN L 3225 P 12 - ID 7 | | 711.04.004.01 | 70.91.15.005.0 | 70.91.22.010.0 | | |
| CSKN R 3225 P 12 - ID 7 | | 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 | 711.04.003.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | CSKN R 2525 M 12 - IK 4 | 711.03.003.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | CSKN L 3225 P 12 - IK 4 | 711.04.004.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | CSKN R 3225 P 12 - IK 4 | 711.03.004.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | CSKN L 2525 M 12 - IK 7 | 711.04.003.25 | 70.91.11.718.6 | 70.91.22.010.0 | | |
| | CSKN R 2525 M 12 - IK 7 | 711.03.003.25 | 70.91.11.718.6 | 70.91.22.010.0 | | |
| | CSKN L 3225 P 12 - IK 7 | 711.04.004.25 | 70.91.11.718.6 | 70.91.22.010.0 | | |
| | CSKN R 3225 P 12 - IK 7 | 711.03.004.25 | 70.91.11.718.6 | 70.91.22.010.0 | | |
| | SN . X 12 07 ..  | CSKN L 2525 M 12 - IX 7 | 711.04.003.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| | | CSKN R 2525 M 12 - IX 7 | 711.03.003.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| CSKN L 3225 P 12 - IX 7 | | 711.04.004.05 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| CSKN R 3225 P 12 - IX 7 | | 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 | 711.04.003.08 | 70.91.15.005.0 | | 70.91.26.007.6 | |
| | PSKN R 2525 M 12 - IP 4 | 711.03.003.08 | 70.91.15.005.0 | | 70.91.26.007.6 | |
| | PSKN L 3225 P 12 - IP 4 | 711.04.004.08 | 70.91.15.005.0 | | 70.91.26.007.6 | |
| | PSKN R 3225 P 12 - IP 4 | 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 |

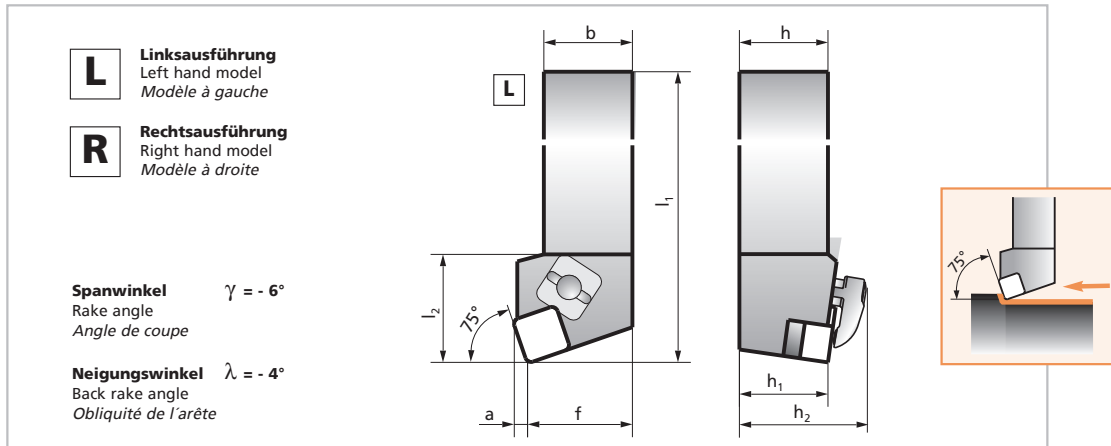
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
 Keramik • Ceramic • Céramique 📄 16 - 21 Cermet • Cermet • Cermet 📄 59 - 67 WURBON® • WURBON® • WURBON® 📄 85 - 89







| 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 | |
| IKS - PRO 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 |

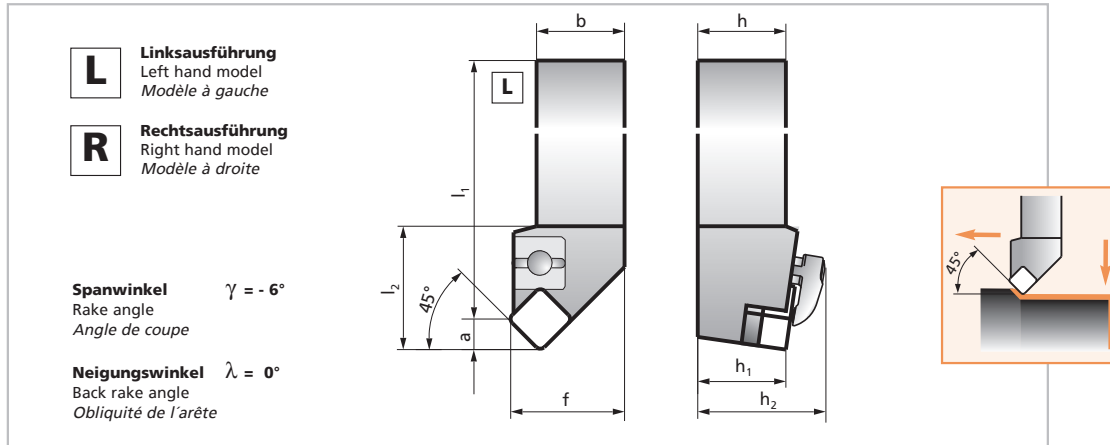
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*







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 | |
| SN . X 15 07 ..  IKS - PRO | 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 | 70.91.15.004.0 | 70.91.22.011.0 | | |
| | CSSN R 2525 M 12 - IC 4 | 711.03.001.04 | 70.91.15.003.0 | 70.91.22.011.0 | | |
| | CSSN L 3225 P 12 - IC 4 | 711.04.002.04 | 70.91.15.004.0 | 70.91.22.011.0 | | |
| | CSSN R 3225 P 12 - IC 4 | 711.03.002.04 | 70.91.15.003.0 | 70.91.22.011.0 | | |
| | CSSN L 2525 M 12 - ID 4 | 711.04.001.02 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | CSSN R 2525 M 12 - ID 4 | 711.03.001.02 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | CSSN L 3225 P 12 - ID 4 | 711.04.002.02 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | CSSN R 3225 P 12 - ID 4 | 711.03.002.02 | 70.91.15.005.0 | 70.91.22.011.0 | | |
| | SN . N 12 07 ..  | CSSN L 2525 M 12 - IC 7 | 711.04.001.03 | 70.91.15.004.0 | 70.91.22.010.0 | |
| | | CSSN R 2525 M 12 - IC 7 | 711.03.001.03 | 70.91.15.003.0 | 70.91.22.010.0 | |
| | | CSSN L 3225 P 12 - IC 7 | 711.04.002.03 | 70.91.15.004.0 | 70.91.22.010.0 | |
| | | CSSN R 3225 P 12 - IC 7 | 711.03.002.03 | 70.91.15.003.0 | 70.91.22.010.0 | |
| | | CSSN L 2525 M 12 - ID 7 | 711.04.001.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| | | CSSN R 2525 M 12 - ID 7 | 711.03.001.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| CSSN L 3225 P 12 - ID 7 | | 711.04.002.01 | 70.91.15.005.0 | 70.91.22.010.0 | | |
| CSSN R 3225 P 12 - ID 7 | | 711.03.002.01 | 70.91.15.005.0 | 70.91.22.010.0 | | |
| IKS - PRO SN . X 12 04 ..  | CSSN L 2525 M 12 - IK 4 | 711.04.001.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | CSSN R 2525 M 12 - IK 4 | 711.03.001.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | CSSN L 3225 P 12 - IK 4 | 711.04.002.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | CSSN R 3225 P 12 - IK 4 | 711.03.002.29 | 70.91.11.718.6 | 70.91.22.011.0 | | |
| | SN . X 12 07 ..  | CSSN L 2525 M 12 - IK 7 | 711.04.001.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | | CSSN R 2525 M 12 - IK 7 | 711.03.001.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | | CSSN L 3225 P 12 - IK 7 | 711.04.002.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | | CSSN R 3225 P 12 - IK 7 | 711.03.002.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| SN . X 12 07 ..  | CSSN L 2525 M 12 - IX 7 | 711.04.001.05 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| | CSSN R 2525 M 12 - IX 7 | 711.03.001.05 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| | CSSN L 3225 P 12 - IX 7 | 711.04.002.05 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| | CSSN R 3225 P 12 - IX 7 | 711.03.002.05 | 70.91.11.316.0 | 70.91.22.010.0 | | |
| SN . A 12 04 ..  | PSSN L 2525 M 12 - IP 4 | 711.04.001.08 | 70.91.15.005.0 | | 70.91.26.007.6 | |
| | PSSN R 2525 M 12 - IP 4 | 711.03.001.08 | 70.91.15.005.0 | | 70.91.26.007.6 | |
| | PSSN L 3225 P 12 - IP 4 | 711.04.002.08 | 70.91.15.005.0 | | 70.91.26.007.6 | |
| | PSSN R 3225 P 12 - IP 4 | 711.03.002.08 | 70.91.15.005.0 | | 70.91.26.007.6 | |

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

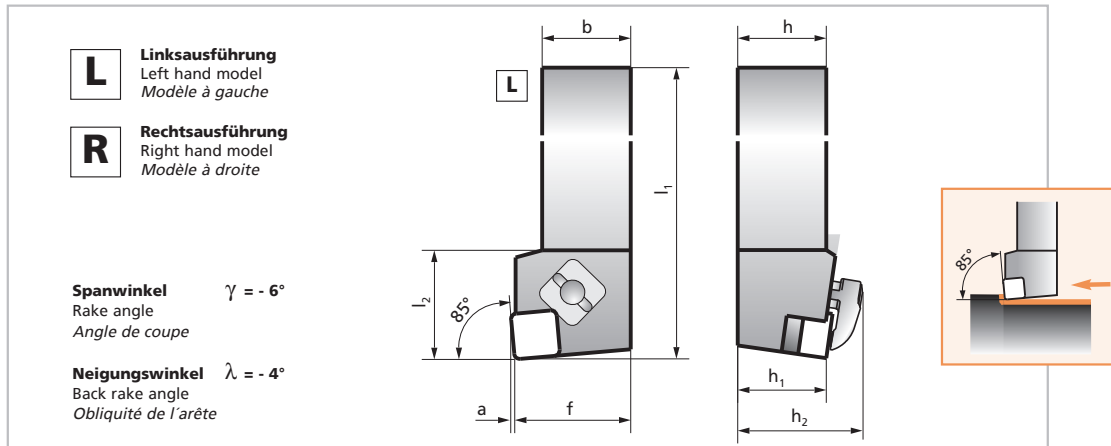
Keramik • Ceramic • Céramique  16 - 21 Cermet • Cermet • Cermet  59 - 67 WURBON® • WURBON® • WURBON®  85 - 89







| 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*

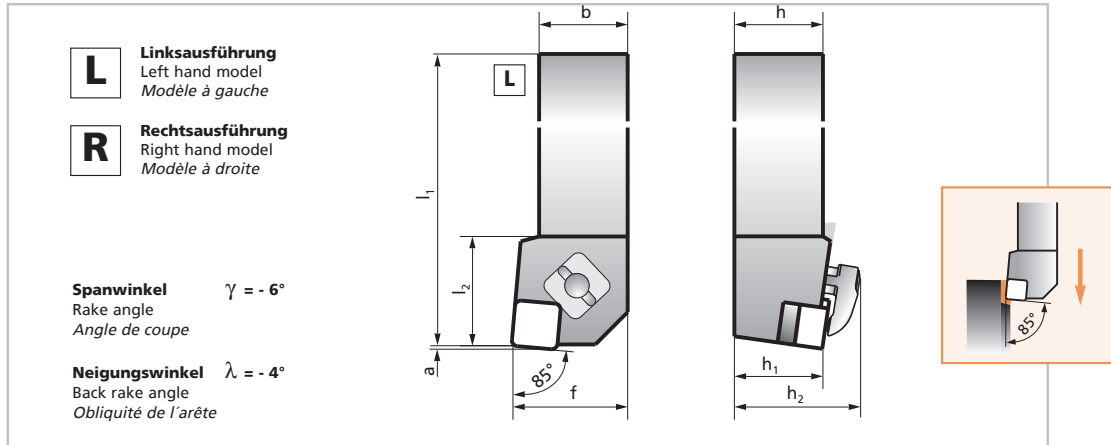
Keramik • Ceramic • *Céramique* 📄 16 - 21 **Cermet** • Cermet • *Cermet* 📄 59 - 67 **WURBON®** • WURBON® • *WURBON®* 📄 85 - 89




| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | |
|--|-------------------------|---|---|---|
| | | |  |  |
| 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 |
| | CSYN R 3225 P 12 - ID 4 | 711.03.017.02 | 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 | |
| CSYN R 3225 P 12 - ID 7 | 711.03.017.01 | 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

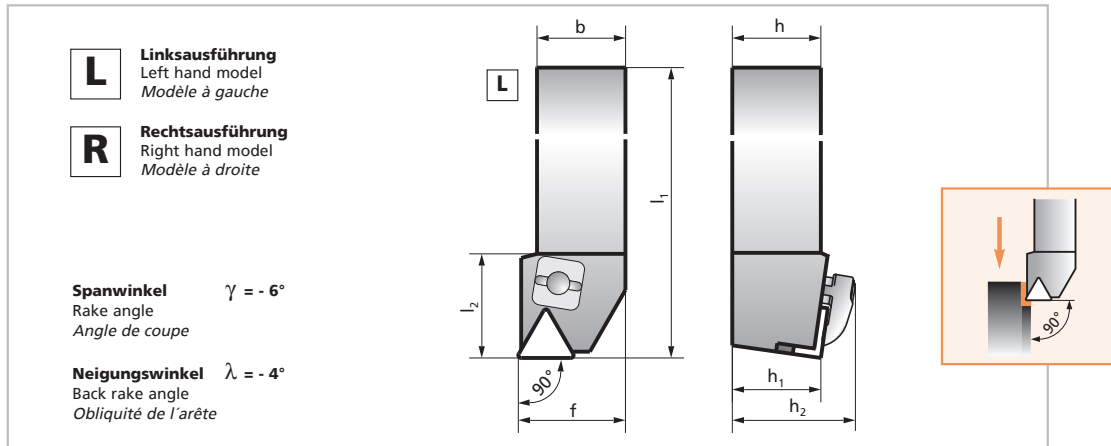
Keramik • Ceramic • Céramique 16 - 21 Cermet • Cermet • Cermet 59 - 67 WURBON® • WURBON® • WURBON® 85 - 89

| 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 | | |
| SN . X 15 07 ..  IKS - PRO | 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 |

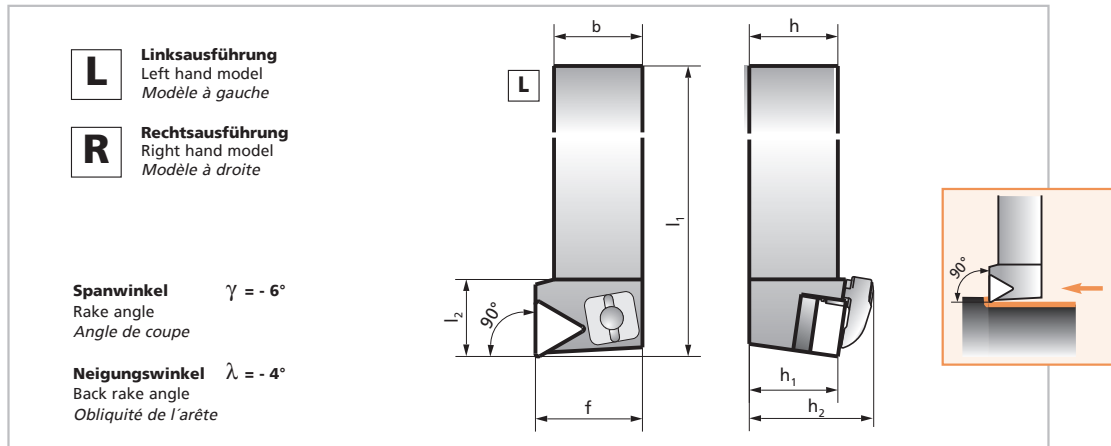
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

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 | 70.91.26.037.6 |
| | CTFN R 2525 M 16 - ID 4 | 711.13.004.02 | | | |
| | CTFN L 3225 P 16 - ID 4 | 711.14.005.02 | | | |
| | CTFN R 3225 P 16 - ID 4 | 711.13.005.02 | | | |
| 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 | 70.91.26.037.6 |
| | CTFN R 2525 M 16 - ID 7 | 711.13.004.01 | | | |
| | CTFN L 3225 P 16 - ID 7 | 711.14.005.01 | | | |
| | CTFN R 3225 P 16 - ID 7 | 711.13.005.01 | | | |
| TN . A 16 04 .. | PTFN L 2525 M 16 - IP 4 | 711.14.004.08 | 70.91.15.001.0 | 70.91.22.028.0 | 70.91.26.037.6 |
| | PTFN R 2525 M 16 - IP 4 | 711.13.004.08 | | | |
| | PTFN L 3225 P 16 - IP 4 | 711.14.005.08 | | | |
| | PTFN R 3225 P 16 - IP 4 | 711.13.005.08 | | | |

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*

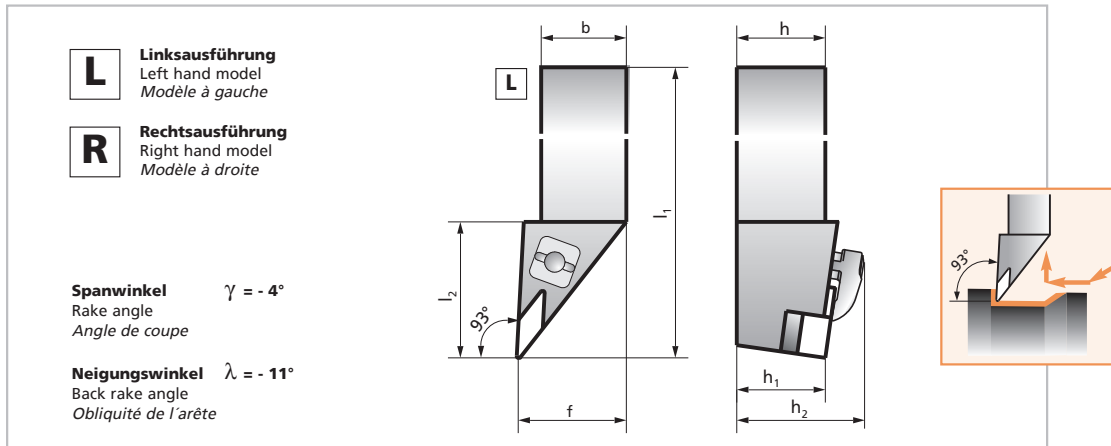
Keramik • Ceramic • Céramique 16 - 21 **Cermet** • Cermet • Cermet 59 - 67 **WURBON®** • WURBON® • WURBON® 85 - 89

| 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 | 711.14.001.02 | 70.91.15.001.0 70.91.15.001.0 70.91.15.001.0 70.91.15.001.0 | 70.91.22.028.0 70.91.22.028.0 70.91.22.028.0 70.91.22.028.0 | |
| | CTGN R 2525 M 16 - ID 4 | 711.13.001.02 | | | |
| | CTGN L 3225 P 16 - ID 4 | 711.14.002.02 | | | |
| | CTGN R 3225 P 16 - ID 4 | 711.13.002.02 | | | |
| TN . N 16 07 .. | CTGN L 2525 M 16 - ID 7 | 711.14.001.01 | 70.91.15.001.0 70.91.15.001.0 70.91.15.001.0 70.91.15.001.0 | 70.91.22.026.0 70.91.22.026.0 70.91.22.026.0 70.91.22.026.0 | |
| | CTGN R 2525 M 16 - ID 7 | 711.13.001.01 | | | |
| | CTGN L 3225 P 16 - ID 7 | 711.14.002.01 | | | |
| | CTGN R 3225 P 16 - ID 7 | 711.13.002.01 | | | |
| TN . A 16 04 .. | PTGN L 2525 M 16 - IP 4 | 711.14.001.08 | 70.91.15.001.0 70.91.15.001.0 70.91.15.001.0 70.91.15.001.0 | | 70.91.26.037.6 70.91.26.037.6 70.91.26.037.6 70.91.26.037.6 |
| | PTGN R 2525 M 16 - IP 4 | 711.13.001.08 | | | |
| | PTGN L 3225 P 16 - IP 4 | 711.14.002.08 | | | |
| | PTGN R 3225 P 16 - IP 4 | 711.13.002.08 | | | |

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

CVJN □ 2525
 PVJN □ 2525

CVJN □ 3225
 PVJN □ 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} |
| VN .. 16 | 2525 | 25 | 25 | 150 | 41 | 32 | 43 | 350 |
| | 3225 | 32 | 25 | 170 | 41 | 32 | 50 | 400 |

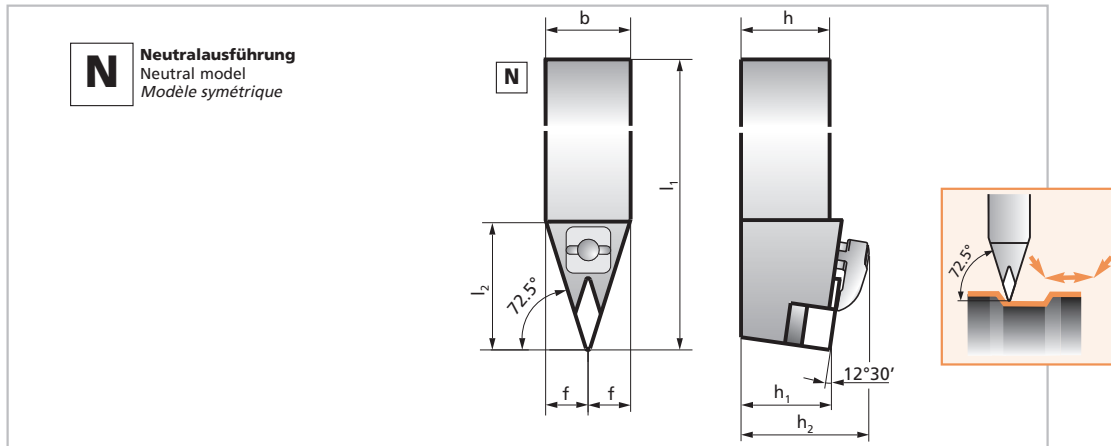
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

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 | | |
|--|-------------------------|---|--|--|--|
| | CVJN L 2525 M 16 - ID 7 | 711.24.032.01 | | | |
| | 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 | | | |
| | CVJN L 2525 M 16 - IX 7 | 711.24.032.05 | | | |
| | 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 | | | |
| | PVJN L 2525 M 16 - IP 4 | 711.24.032.08 | | | |
| | 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 |

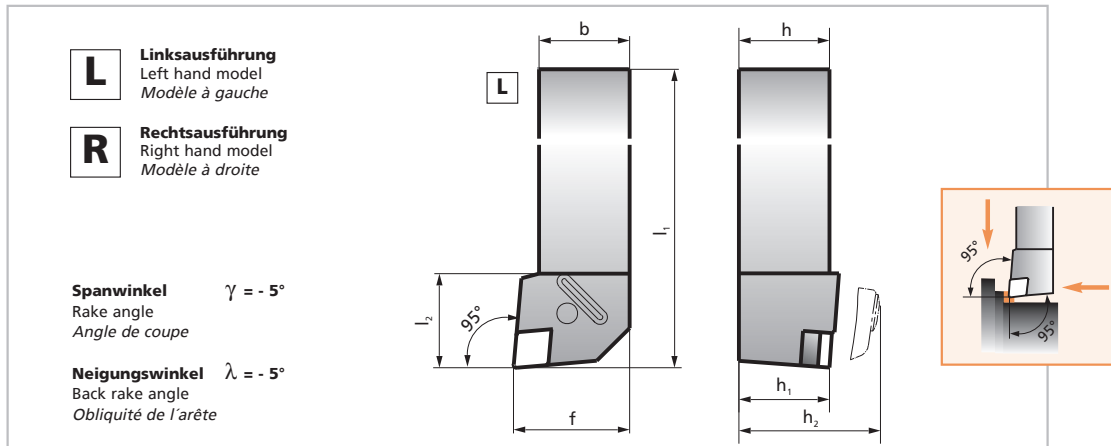
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
 Keramik • Ceramic • Céramique 16 - 21 Cermet • Cermet • Cermet 59 - 67 WURBON® • WURBON® • WURBON® 85 - 89

| 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 | |
| | 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 |

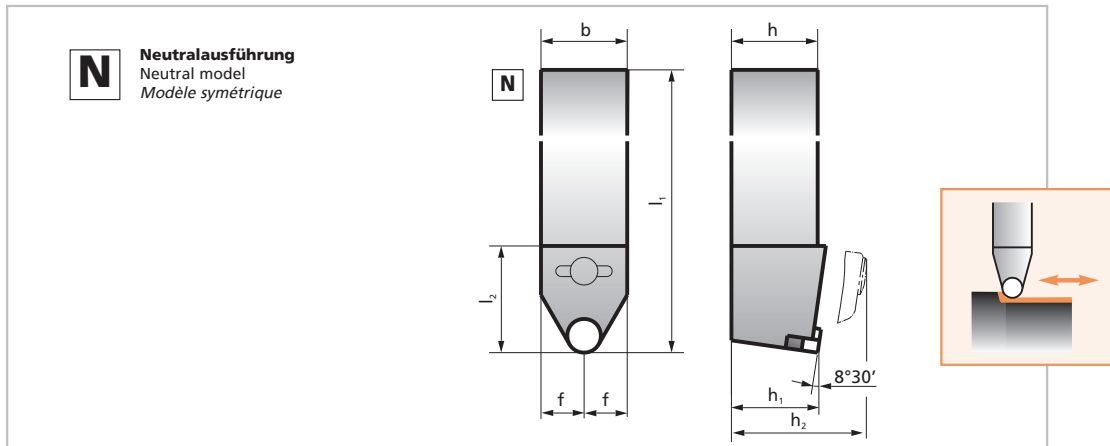
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

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



| 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 |

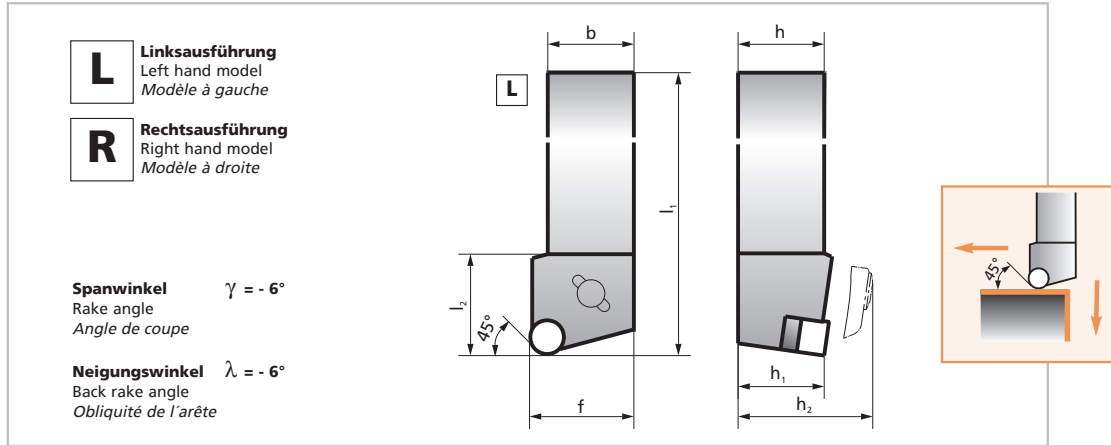
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • Céramique ☞ 16 - 21 **WURBON®** • WURBON® • WURBON® ☞ 85 - 89

| 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



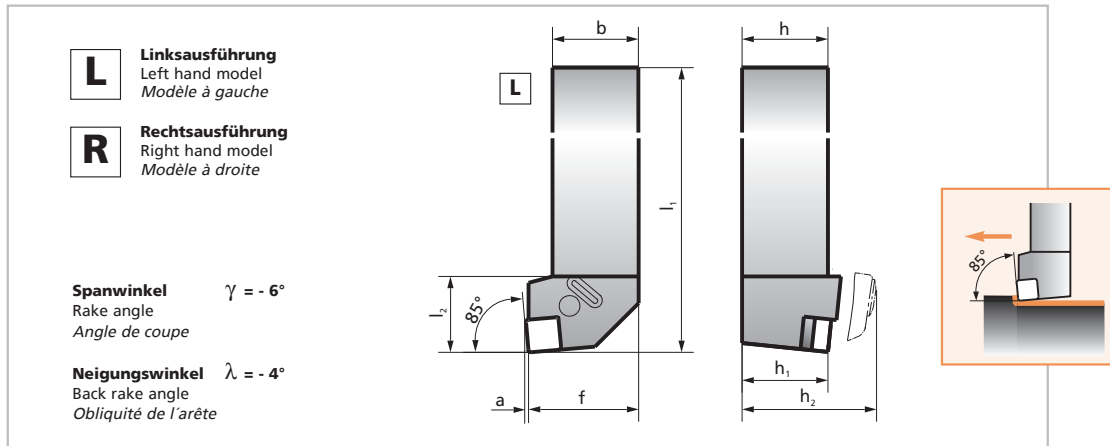
| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ |
| RN . N 09 | 2525 | 25 | 25 | 150 | 26 |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

CSXN □ 2525

Drehwerkzeuge
Tools for turning
Porte-outils 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 | a |
| SN . N 09 ... | 2525 | 25 | 25 | 150 | 24 | 32 | 38 | 0,76 |

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

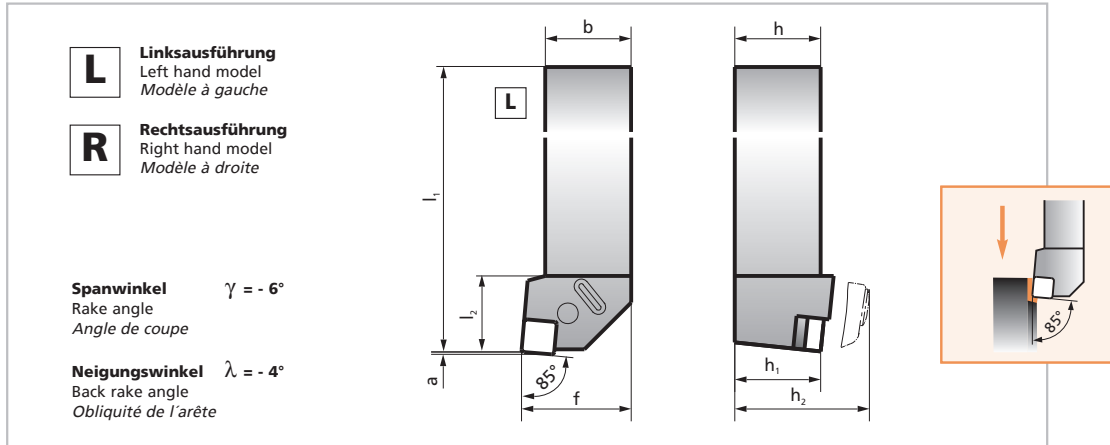
Keramik • Ceramic • Céramique 16 - 21 **WURBON®** • WURBON® • WURBON® 85 - 89

| 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 | 70.91.11.493.0 70.91.11.493.0 | 70.91.00.160.0 70.91.00.160.0 | 70.91.53.014.0 70.91.53.014.0 |
| SN . N 09 04 .. | CSXN L 2525 M 09 - 4 CSXN R 2525 M 09 - 4 | 710.04.363.03 710.03.363.03 | 70.91.11.493.0 70.91.11.493.0 | 70.91.00.160.0 70.91.00.160.0 | 70.91.53.013.0 70.91.53.013.0 |

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

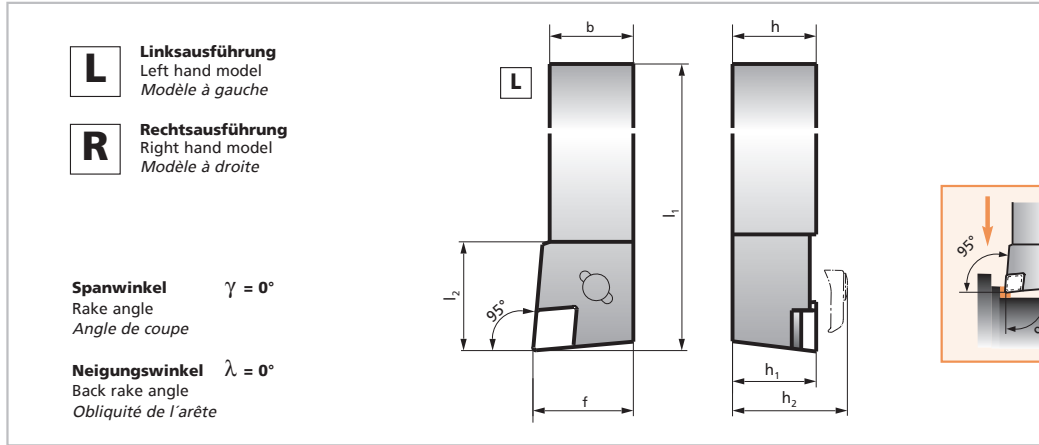
| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|--|----------------------|---|--|----------------|----------------|
| | | | | | |
| SN . N 09 03 .. | CSYN L 2525 M 09 - 3 | 710.04.365.02 | 70.91.11.493.0 | 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



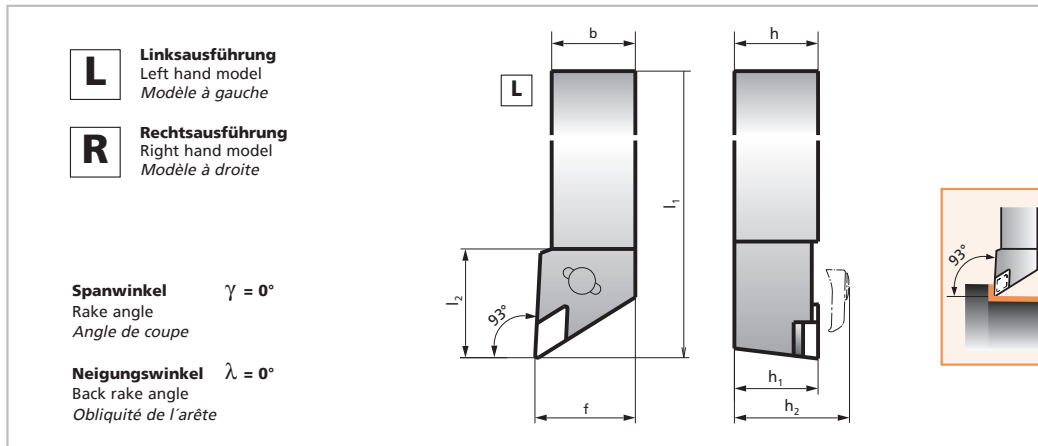
| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | D _{min} |
| CC . . 12 . . . | 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



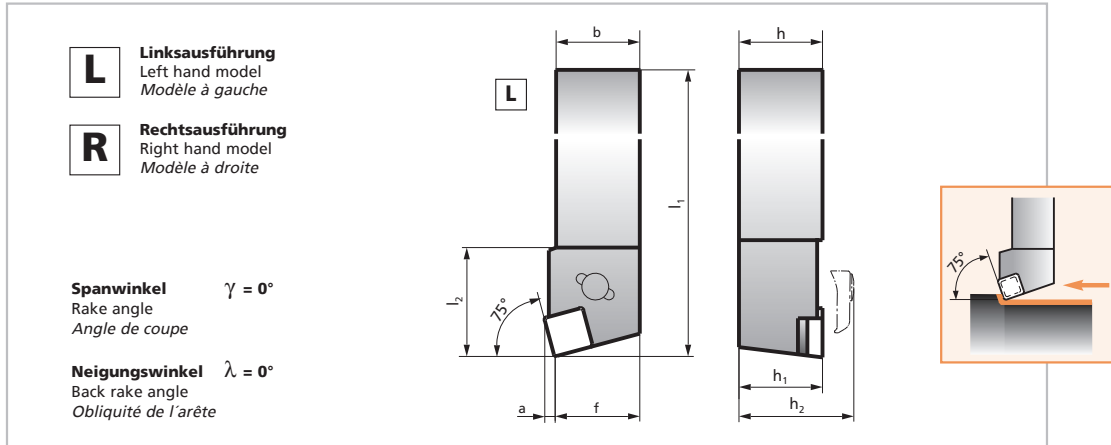
| SPK-Schneidplatte SPK insert <i>Plaquette SPK</i> | Schaft Schank <i>Corps</i> | Abmessungen • Dimensions • <i>Dimensions</i> (mm) | | | | | | |
|---|----------------------------------|---|----|----------------|----------------|----|----------------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | 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 <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | | | |
|---|-------------------------|--|---|--|----------------|--|
| | | | | | | |
| 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



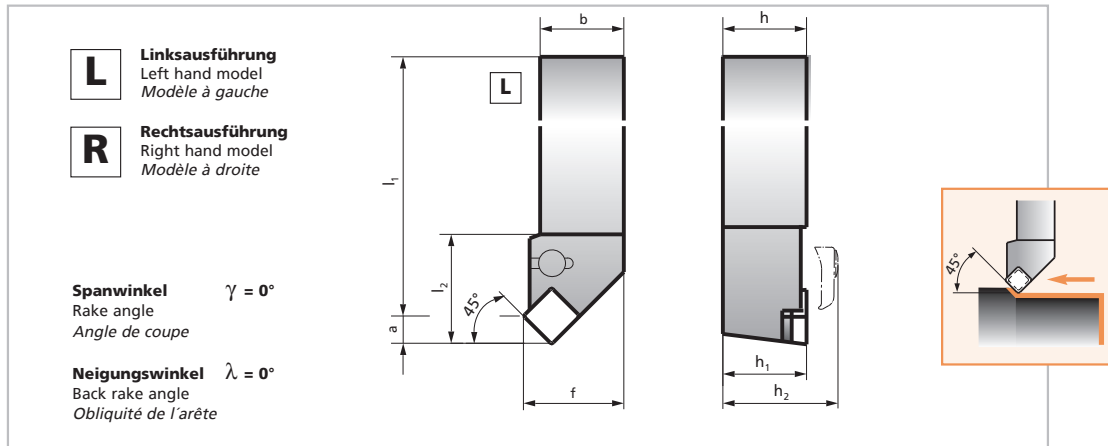
| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Schank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|---------------------------|--|----|----------------|----------------|----|----------------|------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a | D _{min} |
| 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



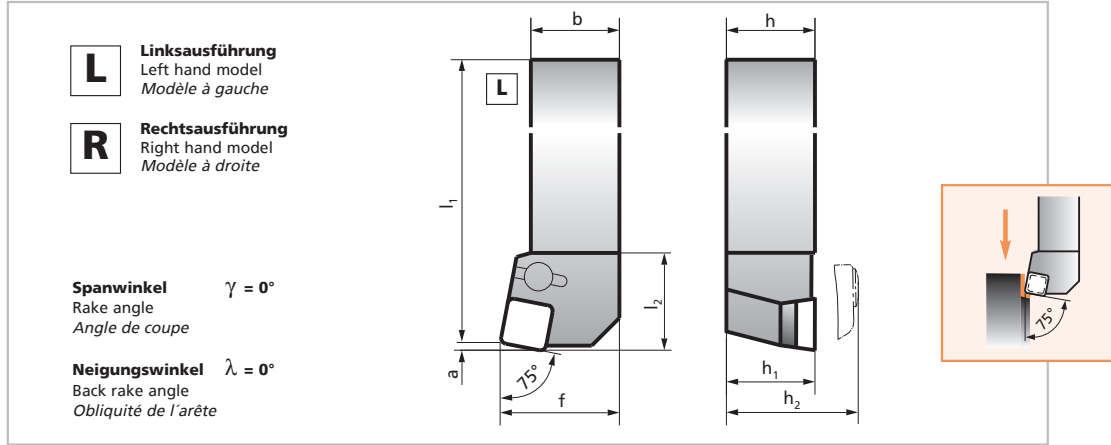
| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Schank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|---------------------------|--|----|----------------|----------------|----|----------------|------|------------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a | D _{min} |
| 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 | 711.08.003.04 | 70.91.15.004.0 | | 70.91.22.145.0 |
| | CSSC R 2525 M 12 - IC 4 | 711.07.003.04 | 70.91.15.003.0 | | 70.91.22.145.0 |
| | CSSC L 3225 P 12 - IC 4 | 711.08.005.04 | 70.91.15.004.0 | | 70.91.22.145.0 |
| | CSSC R 3225 P 12 - IC 4 | 711.07.005.04 | 70.91.15.003.0 | | 70.91.22.145.0 |
| | CSSC L 2525 M 12 - ID 4 | 711.08.003.02 | 70.91.15.005.0 | | 70.91.22.145.0 |
| | CSSC R 2525 M 12 - ID 4 | 711.07.003.02 | 70.91.15.005.0 | | 70.91.22.145.0 |
| | CSSC L 3225 P 12 - ID 4 | 711.08.005.02 | 70.91.15.005.0 | | 70.91.22.145.0 |
| CSSC R 3225 P 12 - ID 4 | 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 | 711.08.003.05 | 70.91.11.316.0 | | 70.91.22.144.0 |
| | CSSC R 2525 M 12 - IX 6 | 711.07.003.05 | 70.91.11.316.0 | | 70.91.22.144.0 |
| | CSSC L 3225 P 12 - IX 6 | 711.08.005.05 | 70.91.11.316.0 | | 70.91.22.144.0 |
| | CSSC R 3225 P 12 - IX 6 | 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



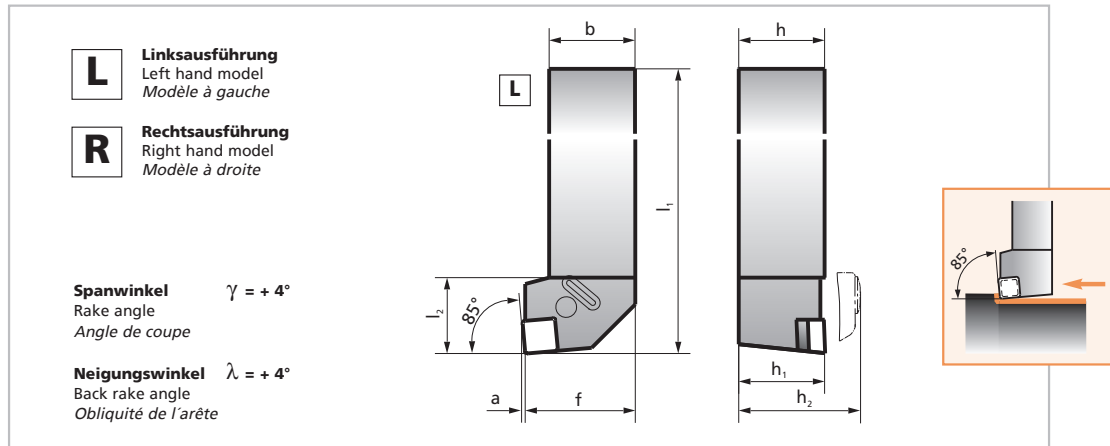
| SPK-Schneidplatte SPK insert <i>Plaquette SPK</i> | Schank Corps | Abmessungen • Dimensions • <i>Dimensions</i> (mm) | | | | | | |
|---|-----------------|---|----|----------------|----------------|----|----------------|------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ | a |
| SC . . 12 . . . | 2525 | 25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

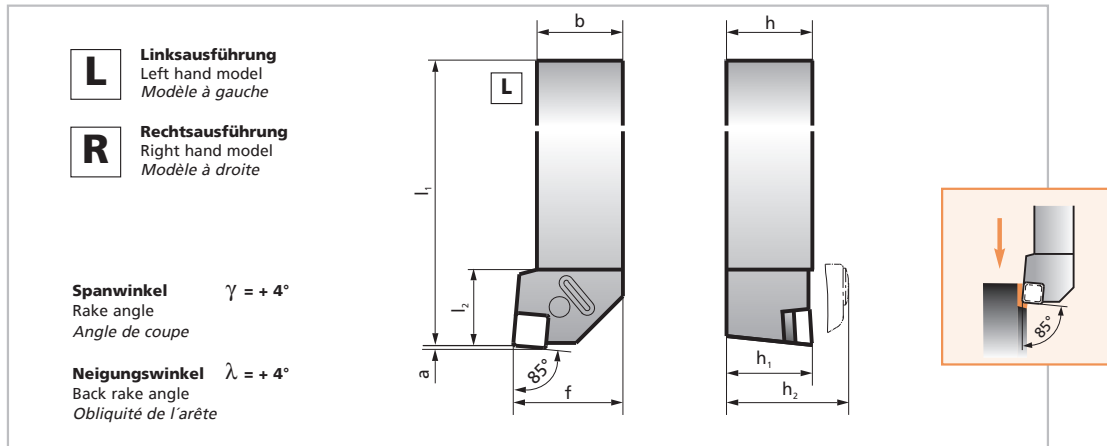
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • *Céramique* ☞ 16 - 21 **WURBON®** • WURBON® • WURBON® ☞ 85 - 89

| 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> | | |
|---|--|--|---|---|---|
| | | |  |  |  |
|  | CSXC L 2525 M 09 - 3 CSXC R 2525 M 09 - 3 CSXC L 3225 P 09 - 3 CSXC R 3225 P 09 - 3 | 710.08.023.02 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.23.602.0 |
| | | 710.07.023.02 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.23.602.0 |
| | | 710.08.024.02 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.23.602.0 |
| | | 710.07.024.02 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.23.602.0 |
|  | CSXC L 2525 M 09 - 4 CSXC R 2525 M 09 - 4 CSXC L 3225 P 09 - 4 CSXC R 3225 P 09 - 4 | 710.08.023.03 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.011.0 |
| | | 710.07.023.03 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.011.0 |
| | | 710.08.024.03 | 70.91.11.493.0 | 70.91.00.160.0 | 70.91.53.011.0 |
| | | 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 |

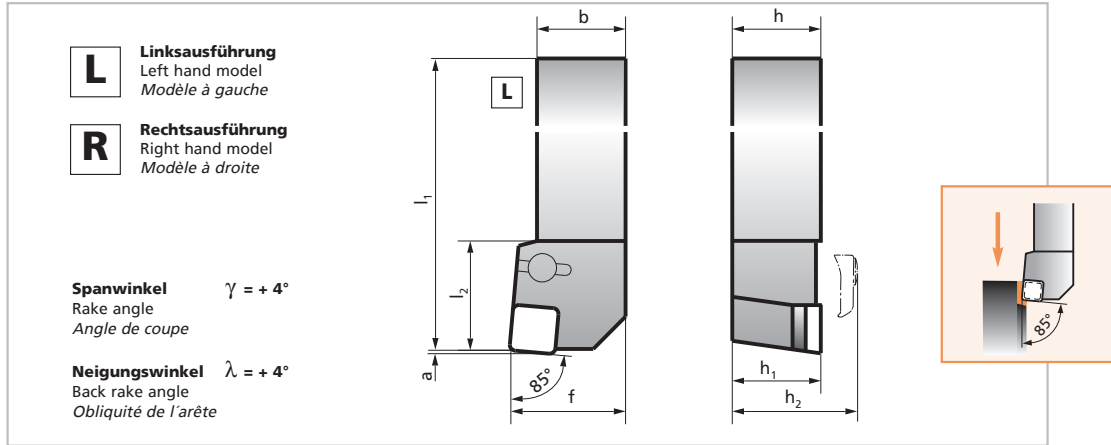
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

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 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 | 27 | 32 | 36 | 1,03 |

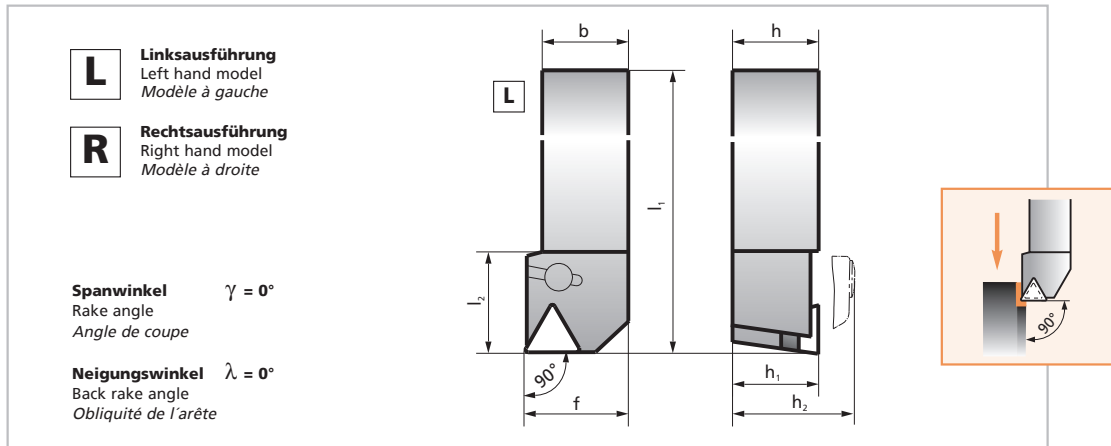
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • Céramique 16 - 21

| 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 .. | 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 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 | 27 | 32 | 39 |

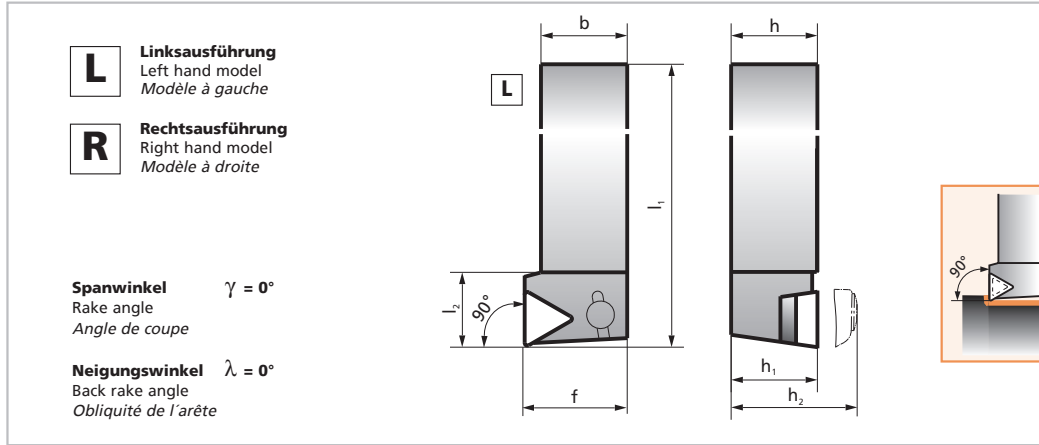
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • Céramique □ 16 - 21

| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | |
|---|-----------------|---|---|---|---|
|  | 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

CTGC □ 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 |
| TC . N 16 | 2525 | 25 | 25 | 150 | 22 | 32 | 39 |

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
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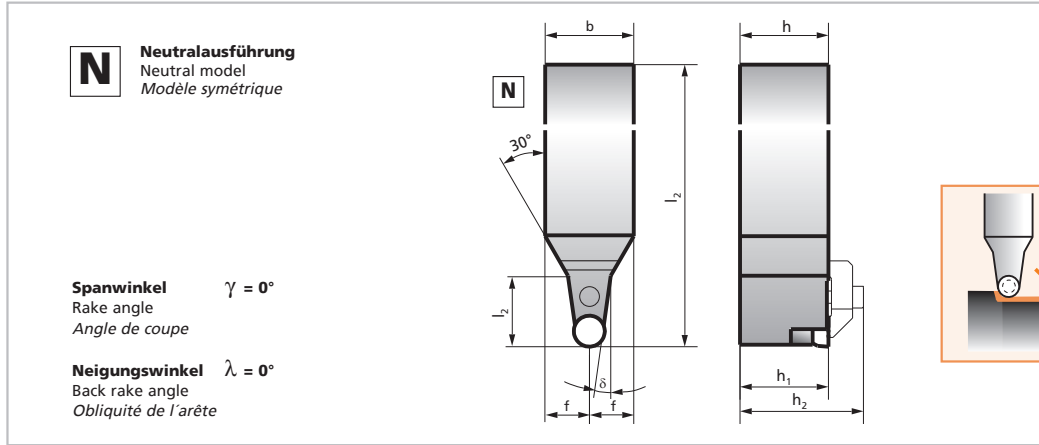
| SPK-Schneidplatte SPK Insert <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | | | |
|---|-----------------|--|---|--|--------------------|--------------------|
| | TC . N 16 04 .. | CTGC L 2525 M 16 | 710.18.302.03 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.050.0 | 70.91.53.131.0 |
| | | CTGC R 2525 M 16 | 710.17.302.03 | 70.91.11.229.0 70.91.11.230.0** | 70.91.00.049.0 | 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 | 3225 | 32 | 25 | 170 | 42 | 12,5 | 37 | 0° |

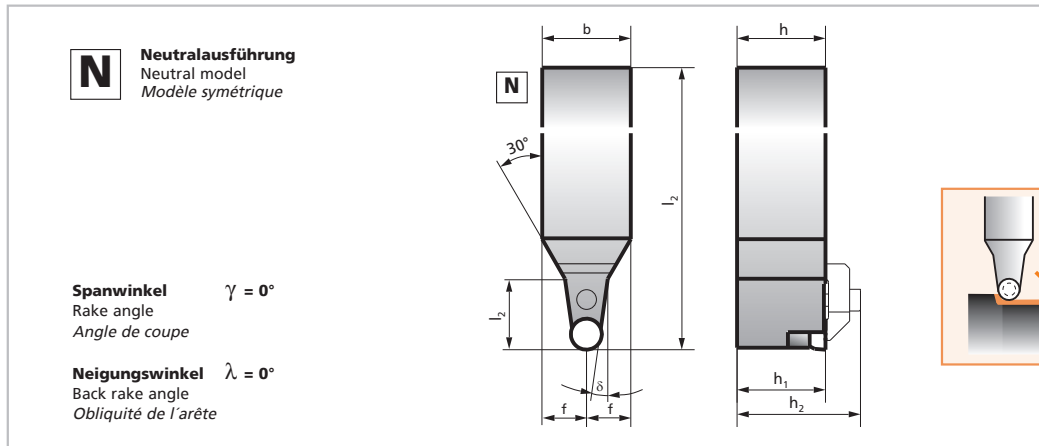
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • Céramique 16 - 21

| 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 | 710.45.001.05 | | | |
| | CRDC N 3225 P 09 | 710.45.004.05 | | | |
| RC . N 12 07 00 | CRDC N 2525 M 12 | 710.45.002.05 | | | |
| | CRDC N 3225 P 12 | 710.45.003.05 | | | |
| RC . N 15 07 00 | CRDC N 2525 M 15 | 710.45.005.07 | | | |
| | CRDC N 3225 P 15 | 710.45.006.07 | | | |
| RC . N 19 07 00 | CRDC N 3225 P 19 | 710.45.007.07 | | | |

*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 <i>Plaquette SPK</i> | Schaft Shank <i>Corps</i> | Abmessungen • Dimensions • <i>Dimensions</i> (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 | 3225 | 32 | 25 | 170 | 42 | 12,5 | 37 | 0° |

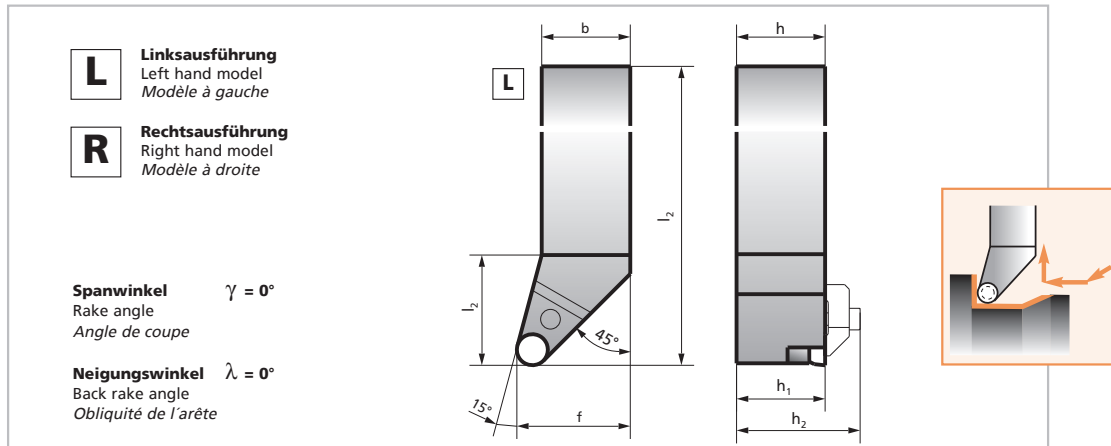
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • *Céramique* 16 - 21

| SPK-Schneidplatte SPK Insert <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | | |
|---|-------------------------|--|---|--|--------------------------------------|
| RC . X 09 07 00 | CRDC N 2525 M 09 | 710.45.001.05 | 70.91.11.236.0 70.91.11.236.0 | | 70.91.53.444.0 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 | 70.91.11.285.0 70.91.11.285.0 | | 70.91.53.450.0 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 | 70.91.11.232.0 70.91.11.232.0 | | 70.91.53.428.0 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 | 70.91.11.233.0 | | 70.91.53.451.0 |

Drehwerkzeuge positiv

Tools positive for turning
Porte-outils positifs pour le tournage

CRGC □ 2525
CRGC □ 3225



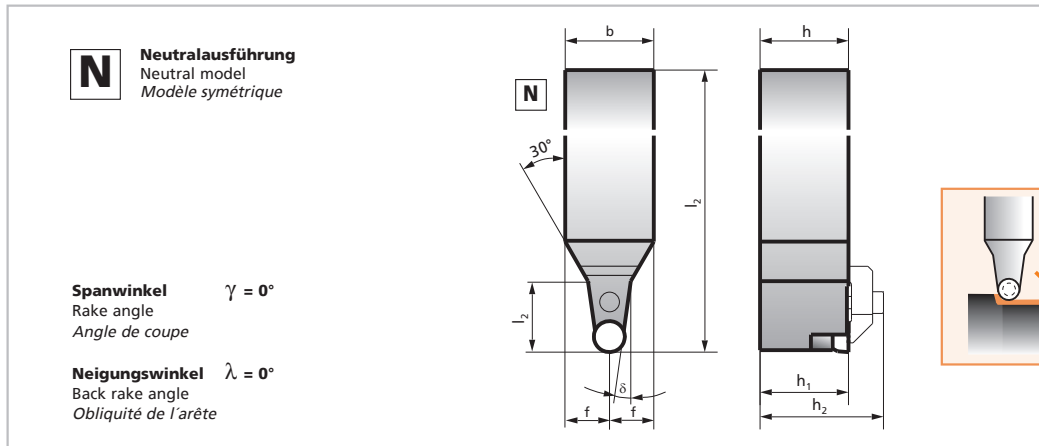
| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|----|----------------|----------------|----|----------------|
| | | h=h ₁ | b | l ₁ | l ₂ | f | h ₂ |
| RC . X 09 07 00 | 2525 | 25 | 25 | 150 | 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 | |
| | CRGC R 2525 M 09 | 710.47.001.05 | | 70.91.11.230.0 | |
| | CRGC R 3225 P 09 | 710.47.004.05 | | 70.91.11.230.0 | |
| | CRGC L 3225 P 09 | 710.48.004.05 | | 70.91.11.230.0 | |
| RC . X 12 07 00 | CRGC L 2525 M 12 | 710.48.002.05 | | 70.91.11.232.0 | |
| | CRGC R 2525 M 12 | 710.47.002.05 | | 70.91.11.232.0 | |
| | CRGC L 3225 P 12 | 710.48.003.05 | | 70.91.11.232.0 | |
| | CRGC R 3225 P 12 | 710.47.003.05 | | 70.91.11.232.0 | |
| RC . X 15 10 00 | CRGC L 3225 P 15 | 710.48.006.07 | | 70.91.11.232.0 | |
| | CRGC R 3225 P 15 | 710.47.006.07 | | 70.91.11.232.0 | |

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 |

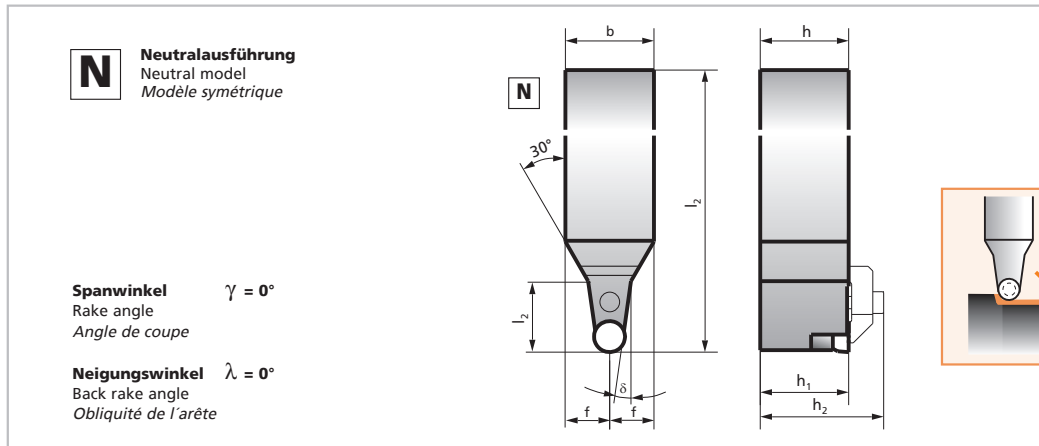
Schnittdatenempfehlungen • Cutting data recommendations • Recommandations de conditions de coupe

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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 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 |

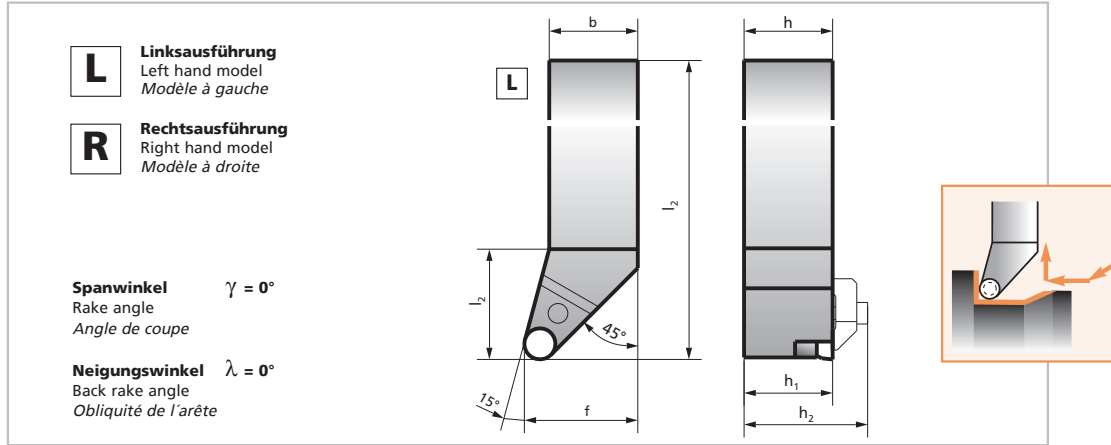
Schnittdatenempfehlungen • Cutting data recommendations • Recommandations de conditions de coupe

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 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 |

CRGB □ 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 |
| 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*

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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 | CRGB L 3225 P 12 - 7 | 710.48.022.05 |  70.91.11.456.0 70.91.11.456.0 | |  70.91.23.631.0 70.91.23.631.0 |
| | 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

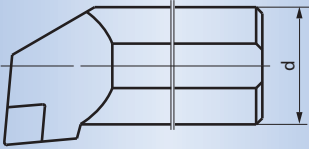


Bezeichnungssystem für Ausdrehwerkzeuge nach ISO 6261

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  **d = 40mm**

C



Von oben geklemmt
Top clamping
Fixation par bride

P



Über Bohrung geklemmt
Hole clamping
Fixation par goupille

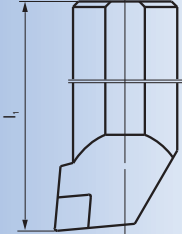
Schaftausführung
Shank type
Construction du corps d'outil

Schaftdurchmesser
Shank diameter
Diamètre du corps d'outil

Schneidplattenbefestigung
Insert clamping
Fixation de plaquette








S 40 T - C C

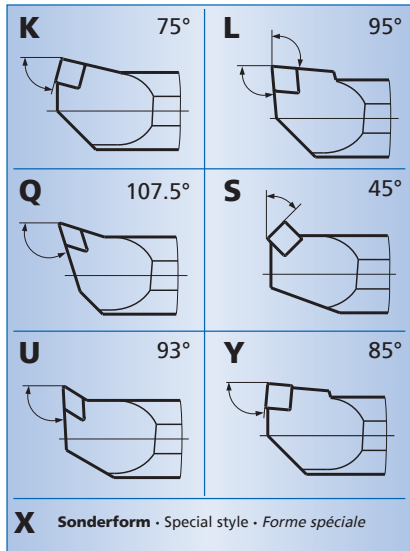
Werkzeuiglänge
Tool length
Longueur d'outil



| | I_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

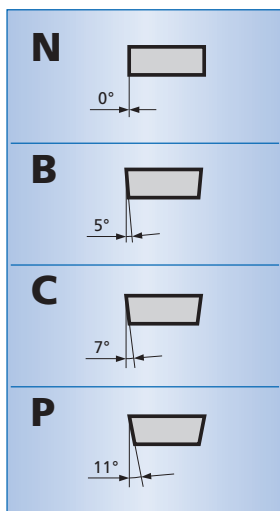
| Kennzahl Index Code | S mm |
|---------------------------|---------|
| 3 | 3,18 |
| 4 | 4,76 |
| 6 | 6,35 |
| 7 | 7,94 |

Plattendicke

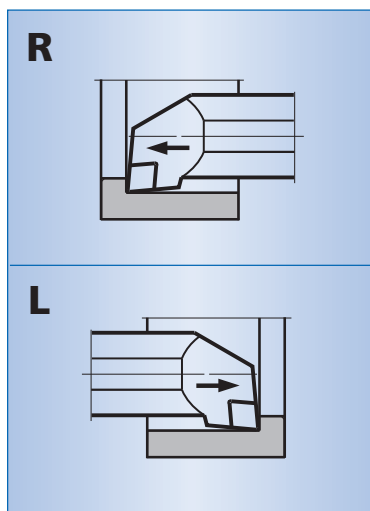
Insert thickness
Epaisseur de la plaquette

L N R 12 - IX 7

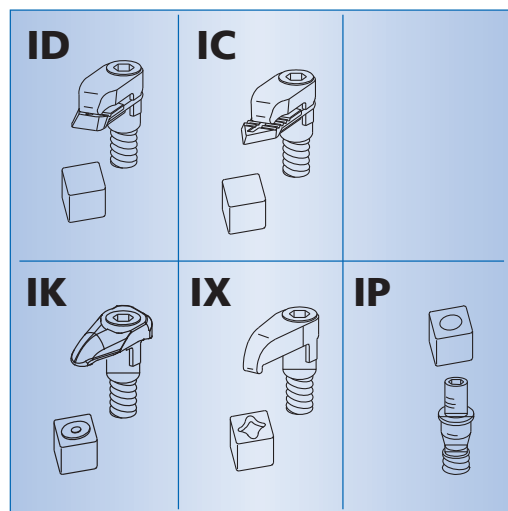
**Normal-Freiwinkel der
Schneidplatte**
Insert normal clearance
Angle de dépouille



Schneidrichtung
Cutting direction
Direction de coupe



Klemmart
Clamping system
Système de serrage



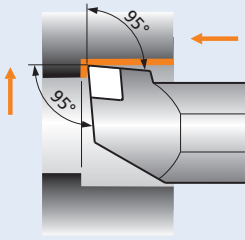
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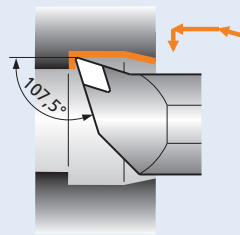
IKS-Ausdrehwerkzeuge · IKS-Boring tools · Porte-outils IKS pour l'alésage

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



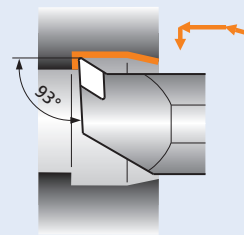
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S32S - CDQN L / R
S40T / S50U - CDQN L / R
S40T / S50U - PDQN L / R



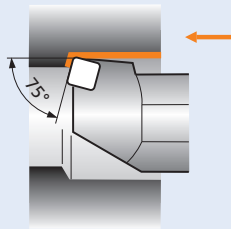
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S32S - CDUN L / R
S40T / S50U - CDUN L / R
S40T / S50U - PDUN L / R



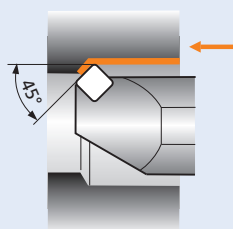
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S32S - CSKN L / R
S40T / S50U - CSKN L / R
S40T / S50U - PSKN L / R



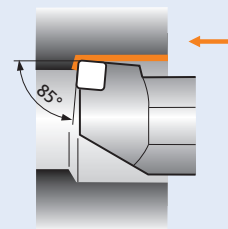
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S32S - CSSN L / R
S40T / S50U - CSSN L / R
S40T / S50U - PSSN L / R



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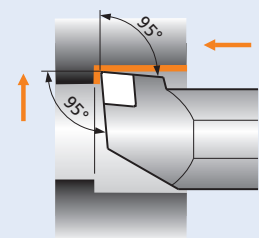
S32S - CSYN L / R
S40T / S50U - CSYN L / R
S40T / S50U - PSYN L / R



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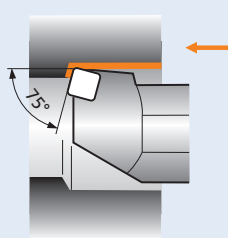
Ausdrehwerkzeuge · Boring tools · Porte-outils pour l'alésage

CCLN L / R 40
CCLN L / R 50



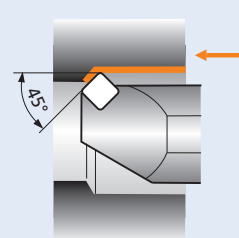
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CSKN L / R 40
CSKN L / R 50



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

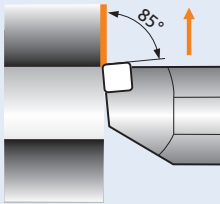


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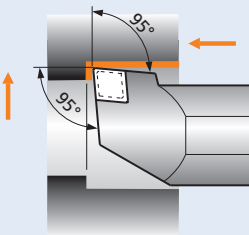
CSXN L / R 40 -P
CSXN L / R 50 -P



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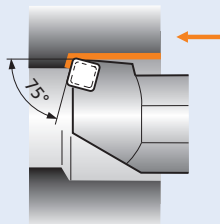
Ausdrehwerkzeuge positiv • Boring tools positive • *Porte-outils positifs pour l'alésage*

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



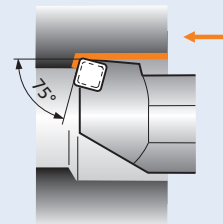
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CSKC L / R 32



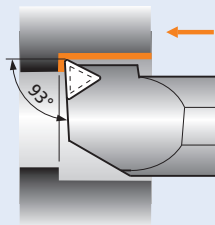
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CSKP L / R 25



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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 <i>Plaquette SPK</i> | Schaft Shank <i>Corps</i> | 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 <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | 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 | 70.91.11.716.6 70.91.11.716.6 | | |
| | | 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 70.91.11.316.0 | | |
| | | 751.23.009.05 | | | |

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 | | | |
|--|---------------------------|---|--|----------------|----------------|----------------|
| IKS - PRO | CN . N 12 04 .. | S 50 U - CCLN L 12 - IC 4 | 751.24.002.04 | | | |
| | | S 50 U - CCLN R 12 - IC 4 | 751.23.002.04 | | | |
| | | S 50 U - CCLN L 12 - ID 4 | 751.24.002.02 | | | |
| | | S 50 U - CCLN R 12 - ID 4 | 751.23.002.02 | | | |
| | | S 50 U - CCLN L 12 - IC 7 | 751.24.002.03 | | | |
| CN . N 12 07 .. | S 50 U - CCLN R 12 - IC 7 | 751.23.002.03 | | | | |
| | S 50 U - CCLN L 12 - ID 7 | 751.24.002.01 | | | | |
| | S 50 U - CCLN R 12 - ID 7 | 751.23.002.01 | | | | |
| | CN . X 12 04 .. | S 50 U - CCLN L 12 - IK 4 | 751.24.002.29 | 70.91.11.716.6 | 70.91.22.015.0 | |
| | | S 50 U - CCLN R 12 - IK 4 | 751.23.002.29 | | | 70.91.22.015.0 |
| CN . X 12 07 .. | S 50 U - CCLN L 12 - IK 7 | 751.24.002.25 | 70.91.11.716.6 | 70.91.22.014.0 | | |
| | S 50 U - CCLN R 12 - IK 7 | 751.23.002.25 | | | 70.91.22.014.0 | |
| CN . X 12 07 .. | S 50 U - CCLN L 12 - IX 7 | 751.24.002.05 | 70.91.11.316.0 | 70.91.22.014.0 | | |
| | S 50 U - CCLN R 12 - IX 7 | 751.23.002.05 | | | 70.91.22.014.0 | |
| CN . A 12 04 .. | S 50 U - PCLN L 12 - IP 4 | 751.24.002.08 | 70.91.15.005.0 | 70.91.26.009.6 | | |
| | S 50 U - PCLN R 12 - IP 4 | 751.23.002.08 | | | 70.91.15.005.0 | |

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 | | |
|--|---------------------------|---|--|----------------|----------------|
| DN . N 12 04 .. | S 40 T - CDQN L 12 - IC 4 | 751.24.006.04 | 70.91.15.014.0 | 70.91.22.019.0 | |
| | S 40 T - CDQN R 12 - IC 4 | 751.23.006.04 | 70.91.15.013.0 | 70.91.22.019.0 | |
| | S 40 T - CDQN L 12 - ID 4 | 751.24.006.02 | 70.91.15.001.0 | 70.91.22.019.0 | |
| | S 40 T - CDQN R 12 - ID 4 | 751.23.006.02 | 70.91.15.001.0 | 70.91.22.019.0 | |
| DN . N 12 07 .. | S 40 T - CDQN L 12 - IC 7 | 751.24.006.03 | 70.91.15.014.0 | 70.91.22.018.0 | |
| | S 40 T - CDQN R 12 - IC 7 | 751.23.006.03 | 70.91.15.013.0 | 70.91.22.018.0 | |
| | S 40 T - CDQN L 12 - ID 7 | 751.24.006.01 | 70.91.15.001.0 | 70.91.22.018.0 | |
| | S 40 T - CDQN R 12 - ID 7 | 751.23.006.01 | 70.91.15.001.0 | 70.91.22.018.0 | |
| DN . X 12 07 .. | S 40 T - CDQN L 12 - IX 7 | 751.24.006.05 | 70.91.11.316.0 | 70.91.22.018.0 | |
| | S 40 T - CDQN R 12 - IX 7 | 751.23.006.05 | 70.91.11.316.0 | 70.91.22.018.0 | |
| DN . A 12 04 | S 40 T - PDQN L 12 - IP 4 | 751.24.006.08 | 70.91.15.001.0 | | 70.91.26.011.6 |
| | S 40 T - PDQN R 12 - IP 4 | 751.23.006.08 | 70.91.15.001.0 | | |

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
 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} |
| DN . X 12 | Ø 32 | 32 | 15 | 250 | 40 | 22 | 32 | 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 | | |
|--|--|---|--|--|--|
| 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 | | | |
| | 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 | | | |
| | 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 | | | |
| | 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 | | | |
| | 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 | | | |
|--|---------------------|--|--|--|--|--|
| IKS - PRO | 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 | | | |
| | | 751.03.011.25 | | | |
| | 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 | 70.91.22.011.0 | |
| | S 40 T - CSKN R 12 - IC 4 | 751.03.004.04 | 70.91.15.003.0 | 70.91.22.011.0 | |
| | S 40 T - CSKN L 12 - ID 4 | 751.04.004.02 | 70.91.15.005.0 | 70.91.22.011.0 | |
| | S 40 T - CSKN R 12 - ID 4 | 751.03.004.02 | 70.91.15.005.0 | 70.91.22.011.0 | |
| SN . N 12 07 .. | S 40 T - CSKN L 12 - IC 7 | 751.04.004.03 | 70.91.15.004.0 | 70.91.22.010.0 | |
| | S 40 T - CSKN R 12 - IC 7 | 751.03.004.03 | 70.91.15.003.0 | 70.91.22.010.0 | |
| | S 40 T - CSKN L 12 - ID 7 | 751.04.004.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| | S 40 T - CSKN R 12 - ID 7 | 751.03.004.01 | 70.91.15.005.0 | 70.91.22.010.0 | |
| SN . X 12 04 .. | S 40 T - CSKN L 12 - IK 4 | 751.04.004.29 | 70.91.11.718.6 | 70.91.22.011.0 | |
| | S 40 T - CSKN R 12 - IK 4 | 751.03.004.29 | 70.91.11.718.6 | 70.91.22.011.0 | |
| IKS - PRO SN . X 12 07 .. | S 40 T - CSKN L 12 - IK 7 | 751.04.004.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| | S 40 T - CSKN R 12 - IK 7 | 751.03.004.25 | 70.91.11.718.6 | 70.91.22.010.0 | |
| SN . X 12 07 .. | S 40 T - CSKN L 12 - IX 7 | 751.04.004.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| | S 40 T - CSKN R 12 - IX 7 | 751.03.004.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| SN . A 12 04 .. | S 40 T - PSKN L 12 - IP 4 | 751.04.004.08 | 70.91.15.005.0 | | 70.91.26.007.6 |
| | S 40 T - PSKN R 12 - IP 4 | 751.03.004.08 | 70.91.15.005.0 | | 70.91.26.007.6 |

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 | 70.91.13.718.6 | | |
| | | | 751.03.009.25 | | | |
| 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 | 70.91.13.316.0 | | |
| | | | 751.03.009.05 | | | |

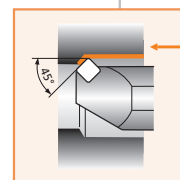
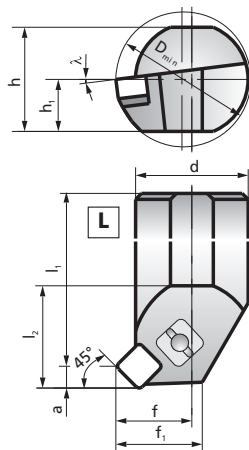
IKS-Ausdrehwerkzeuge IKS Boring tools Porte-outils IKS pour l'alésage

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 | | |
|--|---------------------------|---|--|----------------|----------------|
| IKS - PRO | SN . N 12 04 .. | S 40 T - CSSN L 12 - IC 4 | 751.04.001.04 | 70.91.15.004.0 | 70.91.22.011.0 |
| | | S 40 T - CSSN R 12 - IC 4 | 751.03.001.04 | 70.91.15.003.0 | 70.91.22.011.0 |
| | | S 40 T - CSSN L 12 - ID 4 | 751.04.001.02 | 70.91.15.005.0 | 70.91.22.011.0 |
| | | S 40 T - CSSN R 12 - ID 4 | 751.03.001.02 | 70.91.15.005.0 | 70.91.22.011.0 |
| | SN . N 12 07 .. | S 40 T - CSSN L 12 - IC 7 | 751.04.001.03 | 70.91.15.004.0 | 70.91.22.010.0 |
| | | S 40 T - CSSN R 12 - IC 7 | 751.03.001.03 | 70.91.15.003.0 | 70.91.22.010.0 |
| | | S 40 T - CSSN L 12 - ID 7 | 751.04.001.01 | 70.91.15.005.0 | 70.91.22.010.0 |
| | | S 40 T - CSSN R 12 - ID 7 | 751.03.001.01 | 70.91.15.005.0 | 70.91.22.010.0 |
| | SN . X 12 04 .. | S 40 T - CSSN L 12 - IK 4 | 751.04.001.29 | 70.91.11.718.6 | 70.91.22.011.0 |
| | | S 40 T - CSSN R 12 - IK 4 | 751.03.001.29 | 70.91.11.718.6 | 70.91.22.011.0 |
| | SN . X 12 07 .. | S 40 T - CSSN L 12 - IK 7 | 751.04.001.25 | 70.91.11.718.6 | 70.91.22.010.0 |
| | | S 40 T - CSSN R 12 - IK 7 | 751.03.001.25 | 70.91.11.718.6 | 70.91.22.010.0 |
| SN . X 12 07 .. | S 40 T - CSSN L 12 - IX 7 | 751.04.001.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| | S 40 T - CSSN R 12 - IX 7 | 751.03.001.05 | 70.91.11.316.0 | 70.91.22.010.0 | |
| SN . A 12 04 .. | S 40 T - PSSN L 12 - IP 4 | 751.04.001.08 | 70.91.15.005.0 | 70.91.26.007.6 | |
| | S 40 T - PSSN R 12 - IP 4 | 751.03.001.08 | 70.91.15.005.0 | 70.91.26.007.6 | |

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 | | |
|--|--|---|--|--|--|
| | S 50 U - CSSN L 15 - IC 4 S 50 U - CSSN R 15 - IC 4 S 50 U - CSSN L 15 - ID 4 S 50 U - CSSN R 15 - ID 4 | 751.04.002.04 | 70.91.15.008.0 70.91.15.007.0 70.91.15.005.0 70.91.15.005.0 | 70.91.22.013.0 70.91.22.013.0 70.91.22.013.0 70.91.22.013.0 | |
| | | 751.03.002.04 | | | |
| | | 751.04.002.02 | | | |
| | | 751.03.002.02 | | | |
| | S 50 U - CSSN L 15 - IC 7 S 50 U - CSSN R 15 - IC 7 S 50 U - CSSN L 15 - ID 7 S 50 U - CSSN R 15 - ID 7 | 751.04.002.03 | 70.91.15.008.0 70.91.15.007.0 70.91.15.005.0 70.91.15.005.0 | 70.91.22.012.0 70.91.22.012.0 70.91.22.012.0 70.91.22.012.0 | |
| | | 751.03.002.03 | | | |
| | | 751.04.002.01 | | | |
| | | 751.03.002.01 | | | |
| IKS - PRO | S 50 U - CSSN L 15 - IK 7 S 50 U - CSSN R 15 - IK 7 | 751.04.002.25 | 70.91.11.718.6 70.91.11.718.6 | 70.91.22.012.0 70.91.22.012.0 | |
| | | 751.03.002.25 | | | |
| | S 50 U - CSSN L 15 - IX 7 S 50 U - CSSN R 15 - IX 7 | 751.04.002.05 | 70.91.11.316.0 70.91.11.316.0 | 70.91.22.012.0 70.91.22.012.0 | |
| | | 751.03.002.05 | | | |

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

S32S - CSYN □

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} |
| 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 | | | |
| | | 751.03.013.25 | | | |
| | 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 | | |

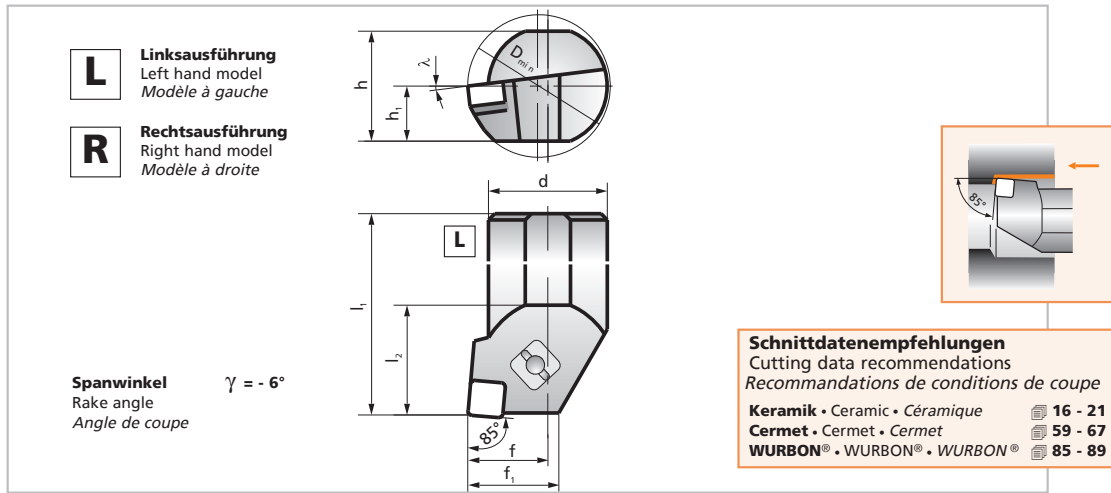
IKS-Ausdrehwerkzeuge

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 | 70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 | | |
| | 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 | 70.91.15.004.0 70.91.15.003.0 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 - 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 | | | |
| SN . X 12 04 .. | S 40 T - CSYN L 12 - IK 4 | 751.04.006.29 | 70.91.11.718.6 70.91.22.011.0 | | |
| | 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 | 70.91.11.718.6 70.91.22.010.0 | | |
| | 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 | 70.91.11.316.0 70.91.22.010.0 | | |
| | 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 | 70.91.15.005.0 70.91.25.007.6 | | |
| | S 40 T - PSYN R 12 - IP 4 | 751.03.006.08 | | | |

S50U - CSYN
 S50U - PSYN

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} |
| 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 | | | |
| | S 50 U - CSYN R 12 - IC 4 | 751.03.007.04 | | | |
| SN . N 12 07 .. | 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 . X 12 04 .. | S 50 U - CSYN L 12 - IC 7 | 751.04.007.03 | | | |
| | S 50 U - CSYN R 12 - IC 7 | 751.03.007.03 | | | |
| SN . X 12 07 .. | S 50 U - CSYN L 12 - ID 7 | 751.04.007.01 | | | |
| | S 50 U - CSYN R 12 - ID 7 | 751.03.007.01 | | | |
| SN . X 12 07 .. | S 50 U - CSYN L 12 - IK 4 | 751.04.007.29 | | | |
| | 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 | | | |
| | 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 | | | |
| | 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 | | | |
| | S 50 U - PSYN R 12 - IP 4 | 751.03.007.08 | | | |

Ausdrehwerkzeuge
Boring tools
Porte-outils pour l'alésage

CCLN □ 40
CCLN □ 50

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 <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} |
| 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 <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | | |
|---|------------------------------|--|---|--|--|
| | CCLN L 00 40 T 12 - X | 750.24.018.05 | | | |
| | CCLN R 00 40 T 12 - X | 750.23.018.05 | | | |
| | CCLN L 00 50 U 12 - X | 750.24.019.05 | | | |
| | CCLN R 00 50 U 12 - X | 750.23.019.05 | | | |
| | | | | | |

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 | Shaft 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 $\gamma = -6^\circ$
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 | 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 CSSN R 00 40 T 12 - P | 750.04.024.05 | 70.91.11.229.0 | 70.91.00.048.0 | 70.91.53.064.0 |
| | | 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 |
| | | 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 |
| | | 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
Rake angle
Angle de coupe

$\gamma = -0^\circ$

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 S 40 T - CCLC R 12 - IC 4 S 50 U - CCLC L 12 - IC 4 S 50 U - CCLC R 12 - IC 4 S 40 T - CCLC L 12 - ID 4 S 40 T - CCLC R 12 - ID 4 S 50 U - CCLC L 12 - ID 4 S 50 U - CCLC R 12 - ID 4 | 751.28.002.04 | 70.91.15.004.0 | 70.91.22.146.0 | |
| | | 751.27.002.04 | 70.91.15.003.0 | 70.91.22.146.0 | |
| | | 751.28.003.04 | 70.91.15.004.0 | 70.91.22.146.0 | |
| | | 751.27.003.04 | 70.91.15.003.0 | 70.91.22.146.0 | |
| | | 751.28.002.02 | 70.91.15.005.0 | 70.91.22.146.0 | |
| | | 751.27.002.02 | 70.91.15.005.0 | 70.91.22.146.0 | |
| | | 751.28.003.02 | 70.91.15.005.0 | 70.91.22.146.0 | |
| | | 751.27.003.02 | 70.91.15.005.0 | 70.91.22.146.0 | |
| | S 40 T - CCLC L 12 - IX 6 S 40 T - CCLC R 12 - IX 6 S 50 U - CCLC L 12 - IX 6 S 50 U - CCLC R 12 - IX 6 | 751.28.002.05 | 70.91.11.316.0 | 70.91.22.143.0 | |
| | | 751.27.002.05 | 70.91.11.316.0 | 70.91.22.143.0 | |
| | | 751.28.003.05 | 70.91.11.316.0 | 70.91.22.143.0 | |
| | | 751.27.003.05 | 70.91.11.316.0 | 70.91.22.143.0 | |

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**

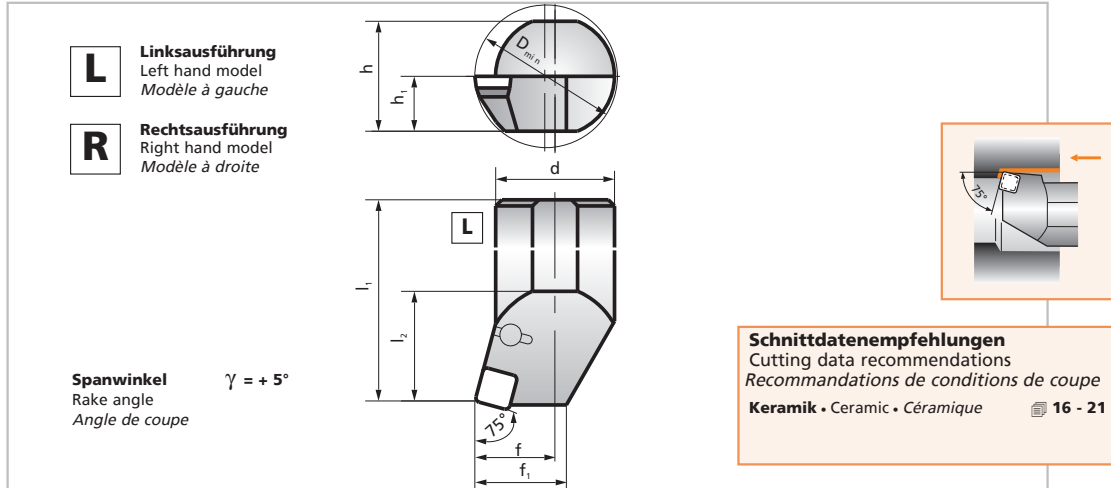
| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|--------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | 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 Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | 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 |
| | | | 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



| 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

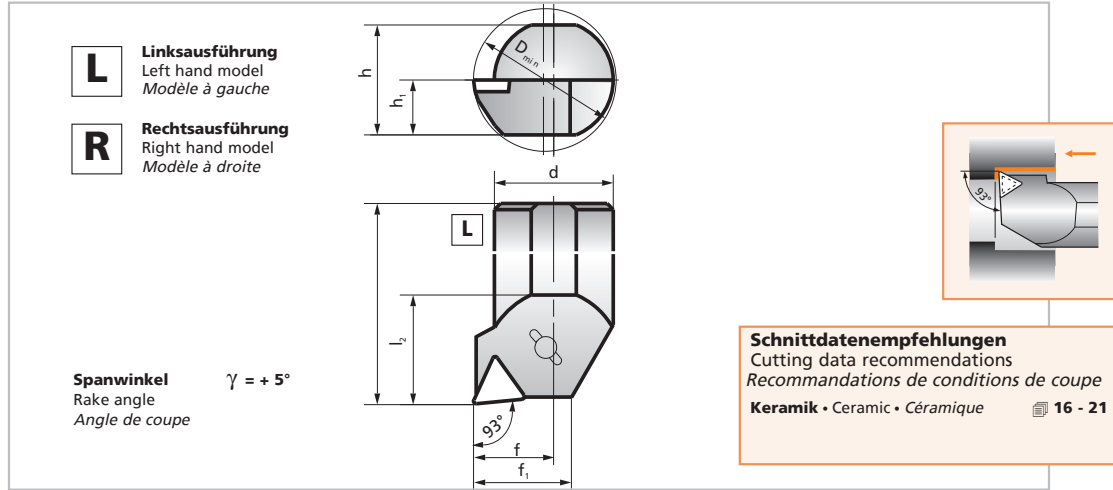
| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | |
|--|--------------------------|--|----------------|----------------|----------------|----|----------------|----|--------|------------------|
| | | d | h ₁ | l ₁ | l ₂ | f | 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



| 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

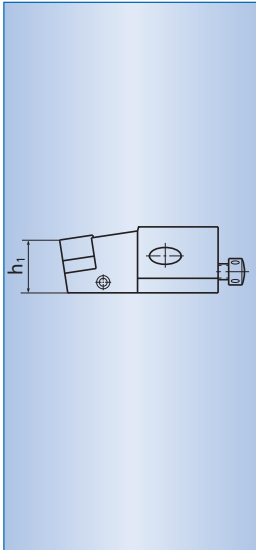
C **S** **R** **N** **L**

Plattenform
Insert shape
Forme de plaquette

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

Normal-Freiwinkel der Schneidplatte
Insert normal clearance
Angle de dépouille

| | |
|----------|--|
| N | |
| B | |
| C | |
| P | |



Werkzeughöhe
Tool height
Hauteur d'outil

| Inkreis Inscribed circle Cercle inscrit | | | | | |
|---|-----------|-----------------|-----------------|-----------------|-----------------|
| | 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

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

Plattendicke
Insert thickness
Epaisseur de la plaquette

20 CA - 12 ID 7

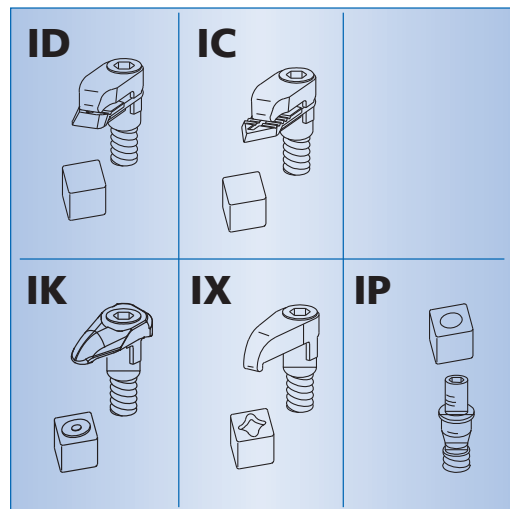
Haltertyp
Tool typ
Type d'outil

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

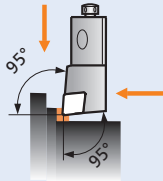


Inhaltsverzeichnis IKS-Kurzklemmhalter
 Contents IKS Cartridges
 Table des matières cartouches IKS



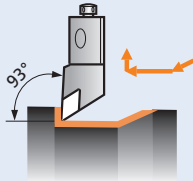
IKS-Kurzklemmhalter • IKS Cartridges • *Cartouches IKS*

CCLN L / R 16 CA
CCLN L / R 20 CA



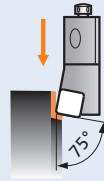
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CDJN L / R 16 CA
CDJN L / R 20 CA



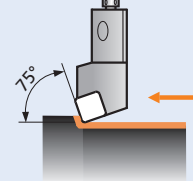
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CSKN L / R 16 CA
CSKN L / R 20 CA



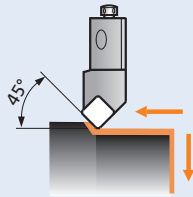
Seite • Page 104

CSRN L / R 16 CA
CSRN L / R 20 CA



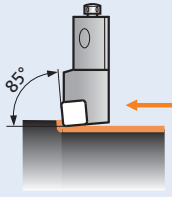
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CSSN L / R 16 CA
CSSN L / R 20 CA



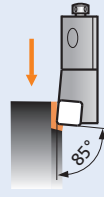
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CSXN L / R 16 CA
CSXN L / R 20 CA



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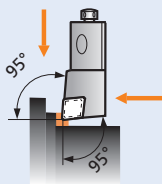
CSYN L / R 16 CA
CSYN L / R 20 CA



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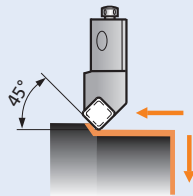
IKS-Kurzklemmhalter positiv • IKS Cartridges positive • *Cartouches IKS positives*

CCLC L / R 20 CA



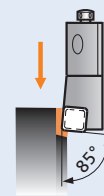
Seite • Page 109

CSSC L / R 20 CA



Seite • Page 110

CSYC L / R 20 CA

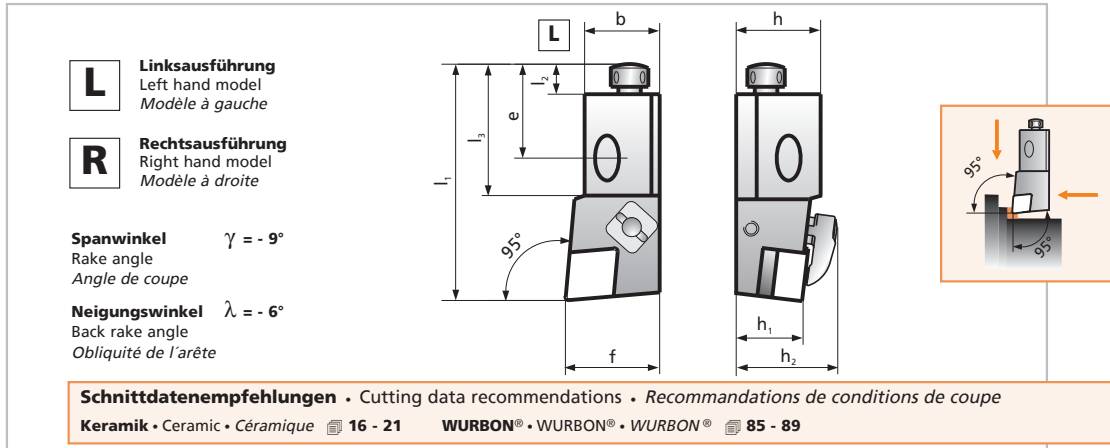


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IKS-Kurzklemmhalter

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 | |
| | CCLN R 20 CA -12 - ID 4 | 751.23.305.02 | 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 | |
| | 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 | |
| | CN . X 1207 .. | 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

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

Neigungswinkel $\lambda = -11^\circ$
Back rake angle
Obliquité de l'arête

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

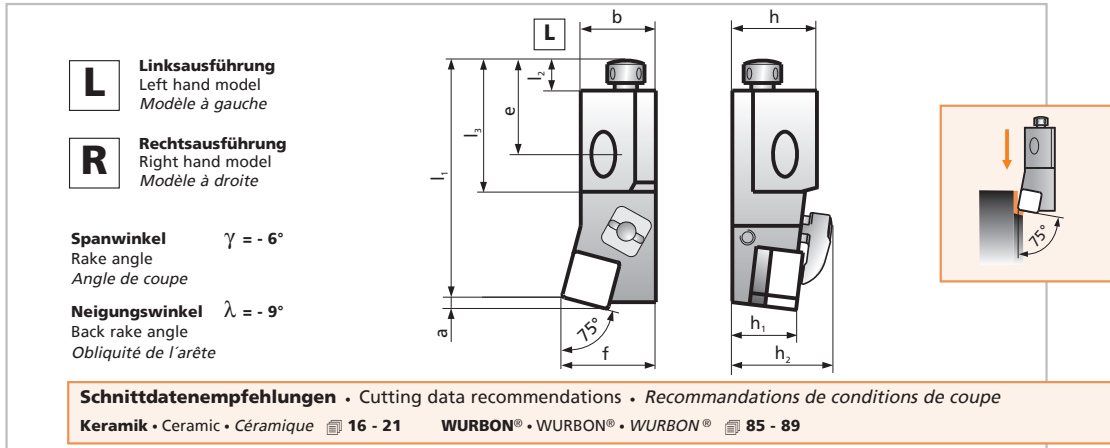
| SPK-Schneidplatte SPK insert Plaquette SPK | Shaft Shaft Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | |
|--|-------------------------|--|----|----|----|----------------|----------------|----------------|----------------|----|------------------|
| | | h ₁ | f | h | b | l ₁ | 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-Kurzklemmhalter
IKS Cartridges
Cartouches IKS

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

Neigungswinkel $\lambda = -6^\circ$
Back rake angle
Obliquité de l'arête

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> | Shaft Corps | Abmessungen • Dimensions • <i>Dimensions</i> (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 |

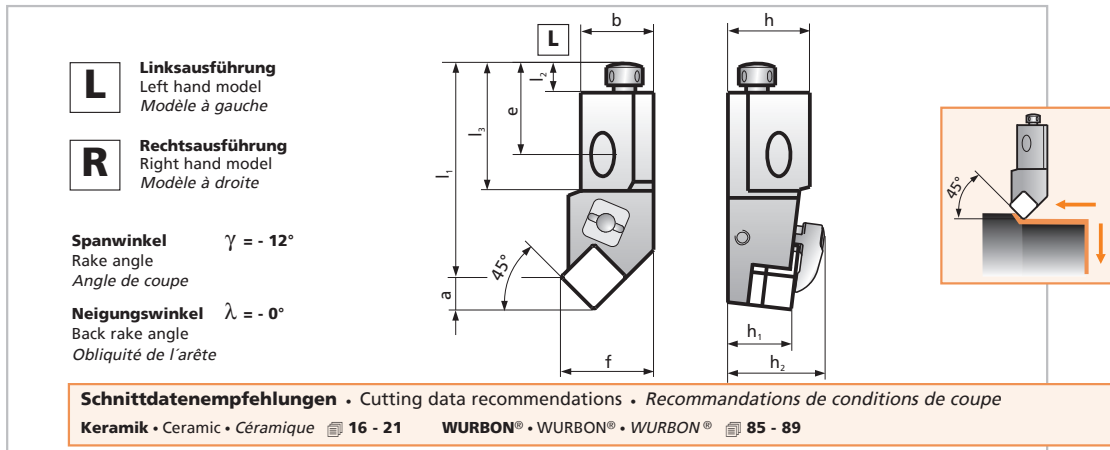
| SPK-Schneidplatte SPK Insert <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | | |
|---|-------------------------|--|---|----------------|----------------|
| | | | | | |
| <div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 10px;">SN . N 1204 .. </div> <div style="margin-bottom: 10px;">SN . N 1207 .. </div> <div style="margin-bottom: 10px;">IKS - PRO SN . X 1204 .. </div> <div style="margin-bottom: 10px;">SN . X 1207 .. </div> <div>SN . X 1207 .. </div> </div> | 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 |
| | 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 | |
| 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 | |
| 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 | |
| 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

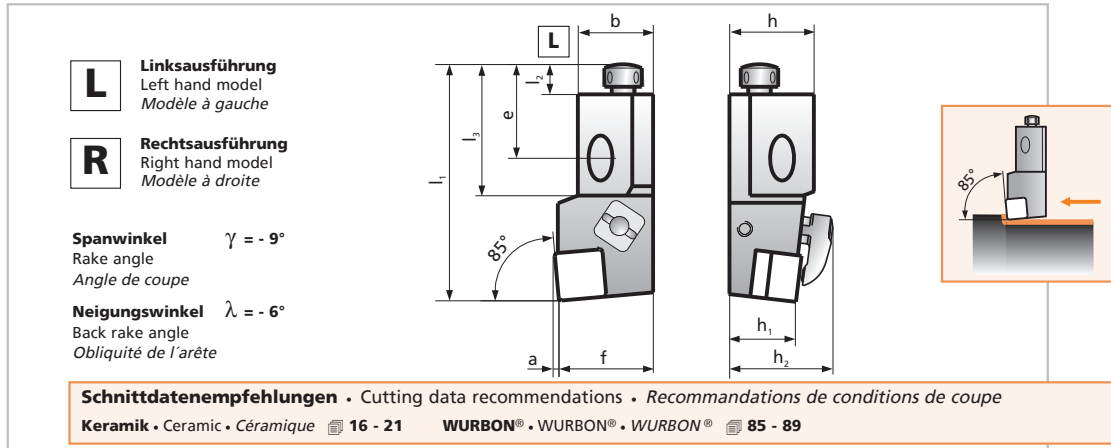


| SPK-Schneidplatte SPK insert Plaque SPK | Shaft Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | | | | |
|---|----------------|--|----|----|----|----------------|----------------|----------------|----------------|----|------|------------------|
| | | h ₁ | f | h | b | l ₁ | l ₂ | l ₃ | h ₂ | e | a | D _{min} |
| SN .. 12 | 16 CA | 16 | 25 | 25 | 20 | 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 Plaque SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | | |
|--|--|--|---|---|---|----------------|
| | | |  |  |  | |
| SN . N 1204 ..  SN . N 1207 ..  | CSSN L 16 CA -12 - IC 4 CSSN R 16 CA -12 - IC 4 CSSN L 20 CA -12 - IC 4 CSSN R 20 CA -12 - IC 4 CSSN L 16 CA -12 - ID 4 CSSN R 16 CA -12 - ID 4 CSSN L 20 CA -12 - ID 4 CSSN R 20 CA -12 - ID 4 | 751.04.302.04 | 70.91.15.028.0 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | | 751.03.302.04 | 70.91.15.027.0 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | | 751.04.301.04 | 70.91.15.028.0 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | | 751.03.301.04 | 70.91.15.027.0 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | | 751.04.302.02 | 70.91.15.029.0 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | | 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 CSSN R 20 CA -12 - ID 4 | 751.04.301.02 | 70.91.15.029.0 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | | 751.03.301.02 | 70.91.15.029.0 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | | CSSN L 16 CA -12 - IC 7 CSSN R 16 CA -12 - IC 7 CSSN L 20 CA -12 - IC 7 CSSN R 20 CA -12 - IC 7 CSSN L 16 CA -12 - ID 7 CSSN R 16 CA -12 - ID 7 CSSN L 20 CA -12 - ID 7 CSSN R 20 CA -12 - ID 7 | 751.04.302.03 | 70.91.15.028.0 | | |
| | | | 751.03.302.03 | 70.91.15.027.0 | | |
| | | | 751.04.301.03 | 70.91.15.028.0 | 70.91.22.010.1 | 70.91.50.260.0 |
| | | | 751.03.301.03 | 70.91.15.027.0 | 70.91.22.010.1 | 70.91.50.260.0 |
| 751.04.302.01 | 70.91.15.029.0 | | | | | |
| 751.03.302.01 | 70.91.15.029.0 | | | | | |
| CSSN L 20 CA -12 - ID 7 CSSN R 20 CA -12 - ID 7 | 751.04.301.01 | 70.91.15.029.0 | 70.91.22.010.1 | 70.91.50.260.0 | | |
| | 751.03.301.01 | 70.91.15.029.0 | 70.91.22.010.1 | 70.91.50.260.0 | | |
| | CSSN L 16 CA -12 - IK 4 CSSN R 16 CA -12 - IK 4 CSSN L 20 CA -12 - IK 4 CSSN R 20 CA -12 - IK 4 | 751.04.302.29 | 70.91.13.718.6 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | | 751.03.302.29 | 70.91.13.718.6 | 70.91.22.072.1 | 70.91.50.260.0 | |
| | | 751.04.301.29 | 70.91.13.718.6 | 70.91.22.011.1 | 70.91.50.260.0 | |
| | | 751.03.301.29 | 70.91.13.718.6 | 70.91.22.011.1 | 70.91.50.260.0 | |
| CSSN L 16 CA -12 - IK 7 CSSN R 16 CA -12 - IK 7 CSSN L 20 CA -12 - IK 7 CSSN R 20 CA -12 - IK 7 | 751.04.302.25 | 70.91.13.718.6 | | | | |
| | 751.03.302.25 | 70.91.13.718.6 | | | | |
| | 751.04.301.25 | 70.91.13.718.6 | 70.91.22.010.1 | 70.91.50.260.0 | | |
| | 751.03.301.25 | 70.91.13.718.6 | 70.91.22.010.1 | 70.91.50.260.0 | | |
| CSSN L 16 CA -12 - IX 7 CSSN R 16 CA -12 - IX 7 CSSN L 20 CA -12 - IX 7 CSSN R 20 CA -12 - IX 7 | 751.04.302.05 | 70.91.13.316.0 | | | | |
| | 751.03.302.05 | 70.91.13.316.0 | | | | |
| | 751.04.301.05 | 70.91.13.316.0 | 70.91.22.010.1 | 70.91.50.260.0 | | |
| | 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 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-Kurzklemhalter

IKS Cartridges
Cartouches IKS

CSYN □ 16CA
CSYN □ 20CA

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

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

Spanwinkel $\gamma = -9^\circ$
Rake angle
Angle de coupe

Neigungswinkel $\lambda = -6^\circ$
Back rake angle
Oblivité de l'arête

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> | Shaft Corps | Abmessungen • Dimensions • <i>Dimensions</i> (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 <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | | | |
|---|--------------------------------|--|---|----------------|----------------|----------------|
| | | | | | | |
| 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
Oblivité 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> | | |
|---|--|--|---|----------------------------------|----------------------------------|
| SC . N 1204 .. | CSSC L 20 CA -12 - ID 4 CSSC R 20 CA -12 - ID 4 | 751.08.306.02 751.07.306.02 | | | |
| | | | 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 **Rechtausführung**
Right hand model
Modèle à droite

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

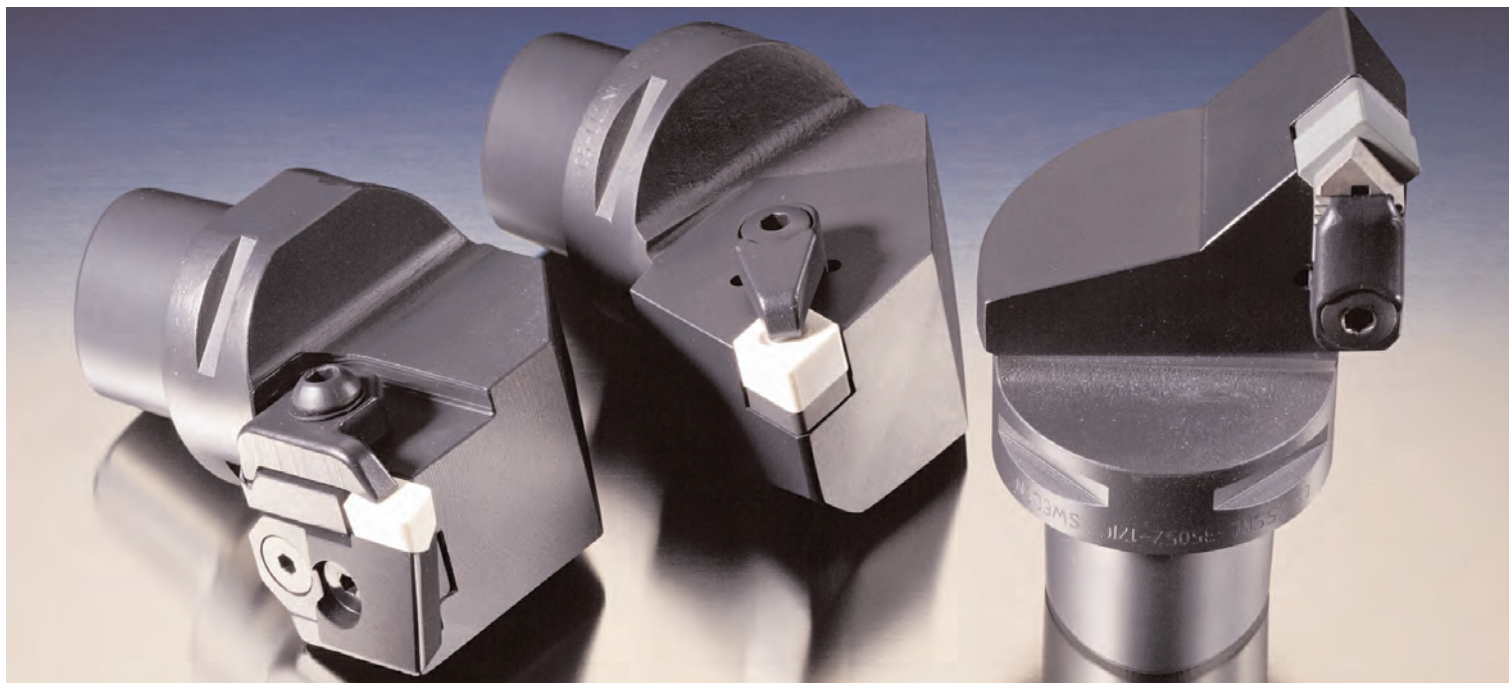
Neigungswinkel $\lambda = 0^\circ$
Back rake angle
Obliquité de l'arête

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 | 70 | 10 | 421 | 32 | 30 | 1,03 | 670 |

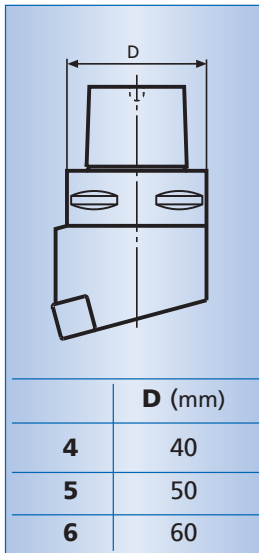
| SPK-Schneidplatte SPK Insert <i>Plaquette SPK</i> | ISO | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Ersatzteile • Spare parts • <i>Pièces de rechange</i> | | |
|---|--|--|---|---|---|
| SC . N 1204 ..  | CSYC L 20 CA -12 - ID 4 CSYC R 20 CA -12 - ID 4 | 751.08.301.02 751.07.301.02 |  |  |  |
| | | | 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 ..  | CSYC L 20 CA -12 - IX 6 CSYC R 20 CA -12 - IX 6 | 751.08.301.05 751.07.301.05 | 70.91.13.316.0 70.91.13.316.0 | | 70.91.22.147.0 70.91.22.147.0 |
| | | | | | |

CMS-Schneidköpfe
CMS-Cutting heads
Têtes de coup CMS



Bezeichnungssystem für CMS-Schneidköpfe

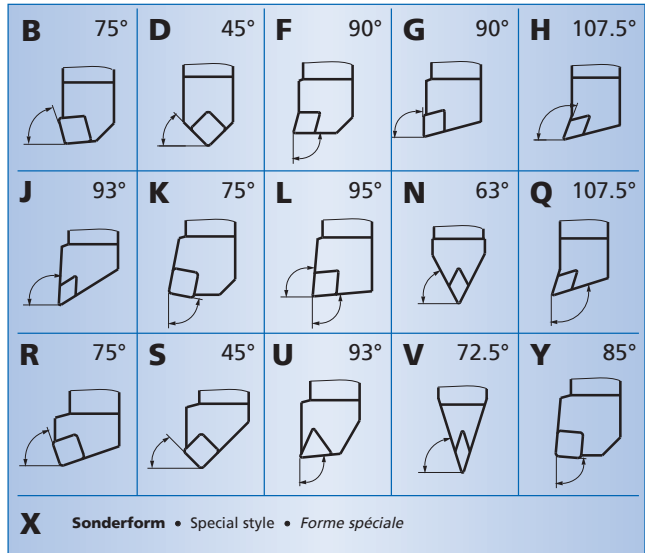
Designation system for CMS Cutting heads
Système de dénomination Têtes de coup CMS



CMS-Größe
CMS size
Gradeur CMS

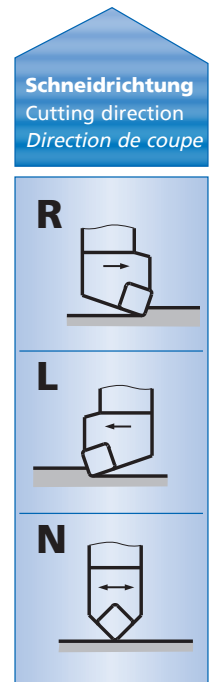
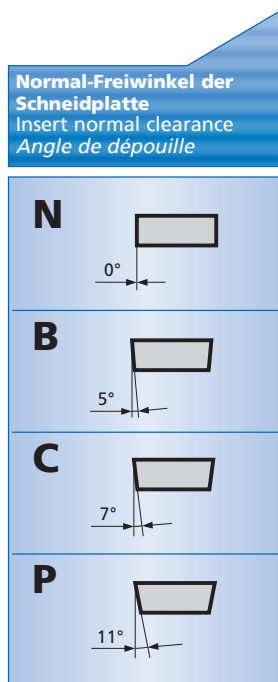
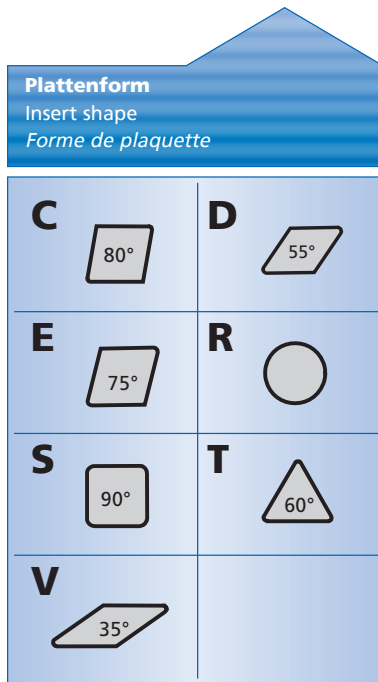


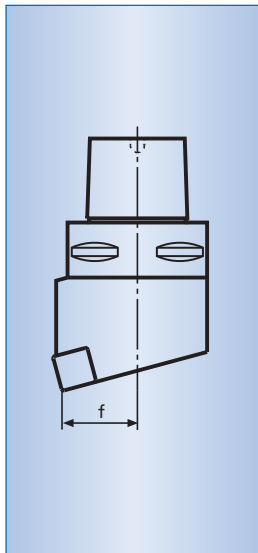
**Schneidplatten-
befestigung**
Insert clamping
Fixation de plaquette



Halterform
Tool style
Forme du porte-outil

CMS 5 - C C L N R





f - Maß
Dimension f
Dimension f

| d mm | R, S | T 60° | C 80° | E 75° | D 55° | V 35° | Inkreis Inscribed circle Cercle inscrit | |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|---|----------------|
| | | | | | | | d | RB (Typ MO) |
| | | | | | | | 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

-

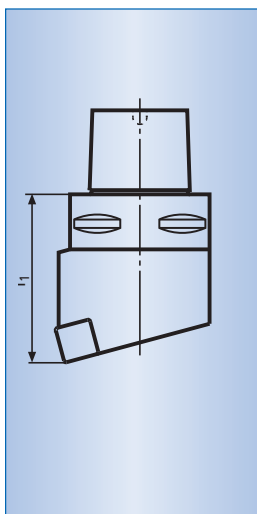
12

-

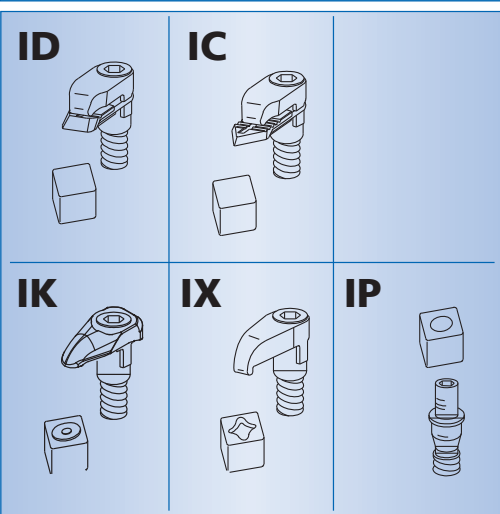
ID

7

Werkzeuglänge
Tool length
Longeur d'outil

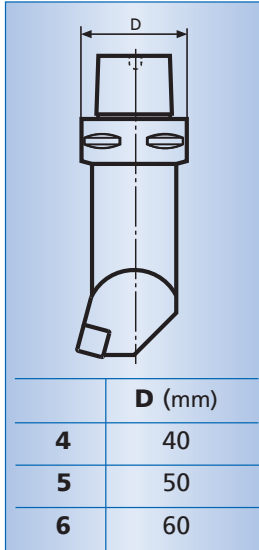


Klemmart
Clamping system
Système de serrage

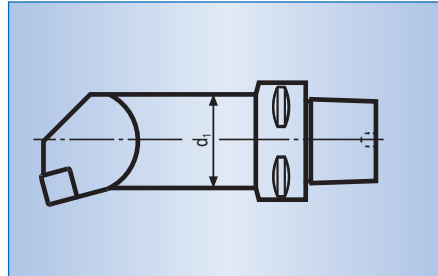


Bezeichnungssystem für CMS-Ausdrehschneidköpfe

Designation system for CMS Boring cutting heads
Système de dénomination Têtes de coup d'alésage CMS



CMS-Größe
CMS size
Gradeur CMS

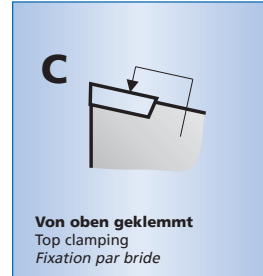


Kennzahl für Schaftdurchmesser.
Bei einstelliger Kennzahl wird eine 0 vorangestellt.
Code for shank diameter. A 0 precedes single-digit code.
Code pour diamètre de queue. Au cas où le code n'a qu'un chiffre, celui-ci est précédé d'un 0.

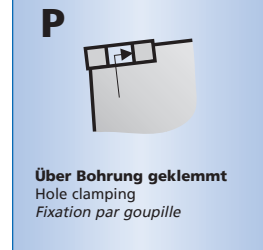
z.B. Kennzahl · e.g. code · exemple code

40 → d = 40mm

Schaftdurchmesser
Shank diameter
Diamètre du corps d'outil



Von oben geklemmt
Top clamping
Fixation par bride



Über Bohrung geklemmt
Hole clamping
Fixation par goupille

Schneidplattenbefestigung
Insert clamping
Fixation de plaquette

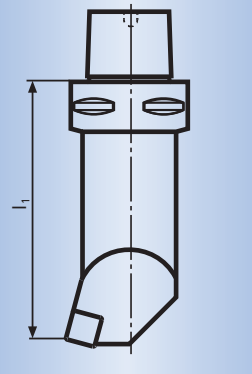
CMS 5 - S 40 J - C S

Schaftausführung
Shank type
Construction du corps d'outil

S Vollstahl
Solid steel
Acier plein

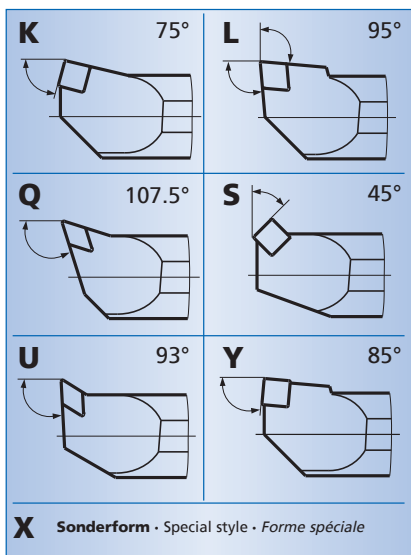
Werkzeuglänge
Tool length
Longeur d'outil

| | l_1 (mm) |
|---|------------|
| J | 110 |



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 | | 60° | | 80° | | 75° | | 55° | |
| | 9,52 | | 16 | | | | | | | |
| | 12,70 | 12 | | | 12 | 13 | 15 | | | |
| | 15,88 | 15 | | | | | | | | |

Plattengröße

Insert size
Grandeur de la plaquette



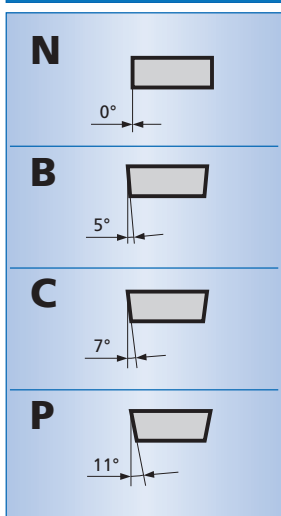
| Kennzahl Index Code | s mm |
|---------------------------|---------|
| 3 | 3,18 |
| 4 | 4,76 |
| 6 | 6,35 |
| 7 | 7,94 |

Plattendicke

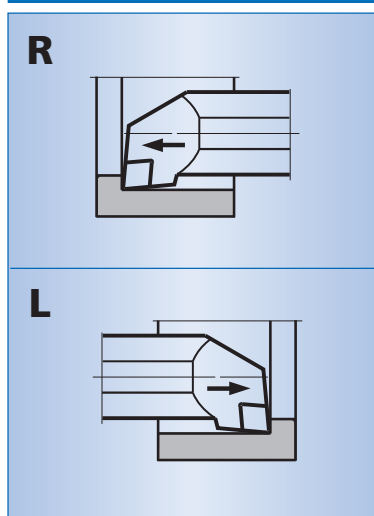
Insert thickness
Épaisseur de la plaquette

K N R 12 - IX 7

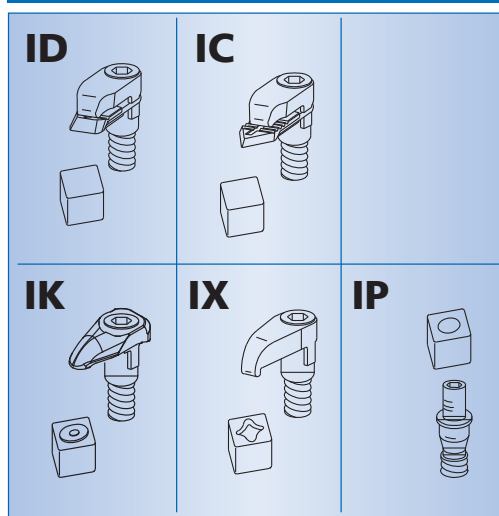
**Normal-Freiwinkel der
Schneidplatte**
Insert normal clearance
Angle de dépouille



Schneidrichtung
Cutting direction
Direction de coupe

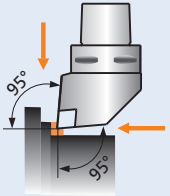
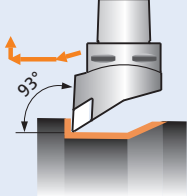
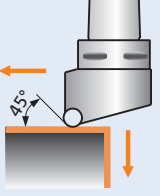
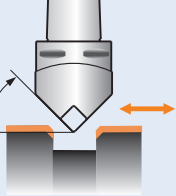
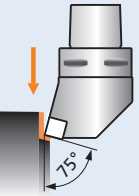
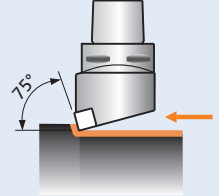
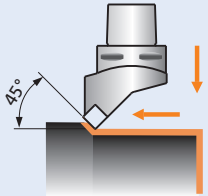
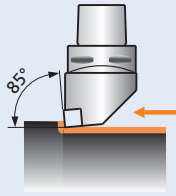
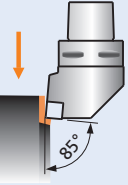
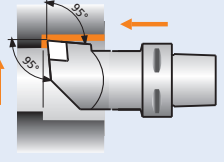
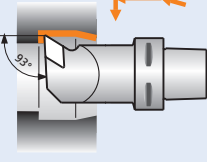
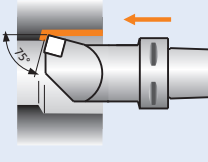


Klemmart
Clamping system
Système de serrage



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



| | | | |
|--|---|---|---|
| <p>CMS 5 - CCLN L / R CMS 5 - PCLN L / R</p>  <p>Seite • Page 120-122</p> | <p>CMS 5 - CDJN L / R CMS 5 - PDJN L / R</p>  <p>Seite • Page 122</p> | <p>CMS 5 - CRSN L / R CMS 5 - PRSN L / R</p>  <p>Seite • Page 123</p> | <p>CMS 5 - CSDN N CMS 5 - PSDN N</p>  <p>Seite • Page 124</p> |
| <p>CMS 5 - CSKN L / R CMS 5 - PSKN L / R</p>  <p>Seite • Page 125</p> | <p>CMS 5 - CSRN L / R CMS 5 - PSRN L / R</p>  <p>Seite • Page 126</p> | <p>CMS 5 - CSSN L / R CMS 5 - PSSN L / R</p>  <p>Seite • Page 127-128</p> | <p>CMS 5 - CSXN L / R CMS 5 - PSXN L / R</p>  <p>Seite • Page 129</p> |
| <p>CMS 5 - CSYN L / R CMS 5 - PSYN L / R</p>  <p>Seite • Page 130</p> | | <p>CMS 5 - S40J - CCLN L / R CMS 5 - S40J - PCLN L / R</p>  <p>Seite • Page 131</p> | |
| <p>CMS 5 - S40J - CDUN L / R CMS 5 - S40J - PDUN L / R</p>  <p>Seite • Page 132</p> | | <p>CMS 5 - S40J - CSKN L / R CMS 5 - S40J - PSKN L / R</p>  <p>Seite • Page 133</p> | |

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*

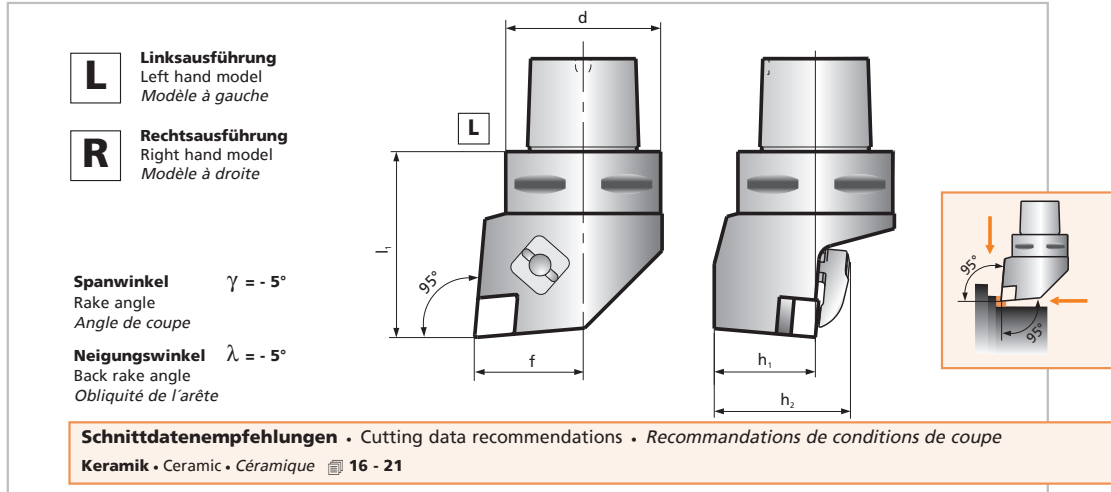
Keramik • Ceramic • Céramique **16 - 21** **Cermet** • Cermet • Cermet **59 - 67** **WURBON®** • WURBON® • WURBON® **85 - 89**

| 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 | |
| CMS 5 - CCLN L 35060 - 12 - IC 7 CMS 5 - CCLN R 35060 - 12 - IC 7 CMS 5 - CCLN L 35060 - 12 - ID 7 CMS 5 - CCLN R 35060 - 12 - ID 7 | CMS 5 - CCLN L 35060 - 12 - IK 4 CMS 5 - CCLN R 35060 - 12 - IK 4 | 791.24.005.13 | 70.91.15.002.0 | 70.91.22.014.0 | |
| | | 791.23.005.13 | 70.91.15.002.0 | 70.91.22.014.0 | |
| | | 791.24.005.11 | 70.91.15.005.0 | 70.91.22.014.0 | |
| | | 791.23.005.11 | 70.91.15.005.0 | 70.91.22.014.0 | |
| CMS 5 - CCLN L 35060 - 12 - IK 7 CMS 5 - CCLN R 35060 - 12 - IK 7 | CMS 5 - CCLN L 35060 - 12 - IK 4 CMS 5 - CCLN R 35060 - 12 - IK 4 | 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 | |
| CMS 5 - CCLN L 35060 - 12 - IX 7 CMS 5 - CCLN R 35060 - 12 - IX 7 | 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 | |
| CMS 5 - PCLN L 35060 - 12 - IP 4 CMS 5 - PCLN R 35060 - 12 - IP 4 | 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 |

CMS 5 - CCLN □

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} |
| 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 |

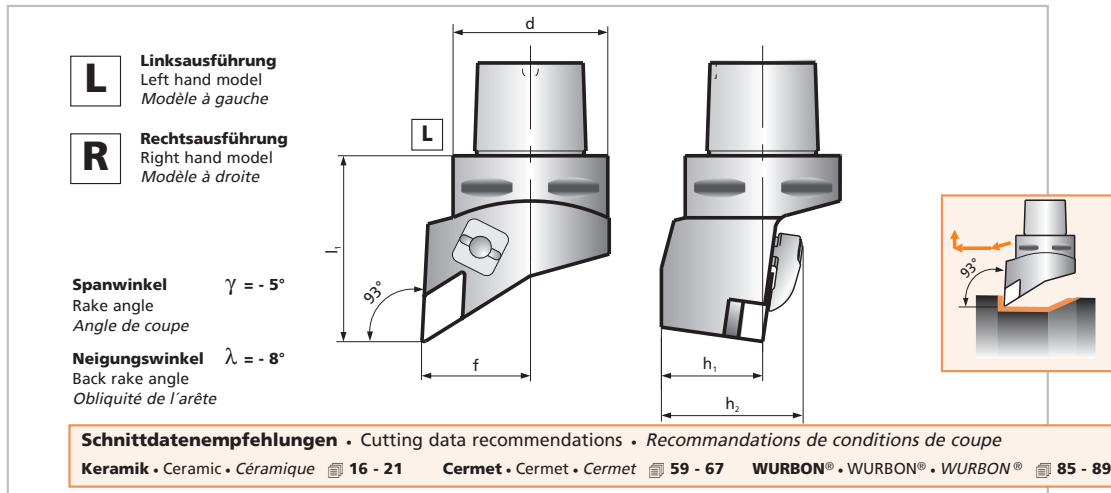
CMS-Schneidköpfe

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 CMS 5 - CDJN R 35060 - 15 - IC 7 CMS 5 - CDJN L 35060 - 15 - ID 7 CMS 5 - CDJN R 35060 - 15 - ID 7 | 791.24.016.13 | 70.91.15.011.0 | 70.91.22.020.0 | |
| | | 791.23.016.13 | 70.91.15.010.0 | 70.91.22.020.0 | |
| | | 791.24.016.11 | 70.91.15.005.0 | 70.91.22.020.0 | |
| | | 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 CMS 5 - CDJN R 35060 - 15 - IK 7 | 791.24.016.25 | 70.91.11.720.6 | 70.91.22.020.0 | |
| | | 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 CMS 5 - CDJN R 35060 - 15 - IX 7 | 791.24.016.15 | 70.91.11.332.0 | 70.91.22.020.0 | |
| | | 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 CMS 5 - PDJN R 35060 - 15 - IP 4 | 791.24.016.18 | 70.91.15.005.0 | | 70.21.26.012.6 |
| | | 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 CMS 5 - PDJN R 35060 - 15 - IP 6 | 791.24.016.16 | 70.91.15.005.0 | | 70.91.26.050.6 |
| | | 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

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

Neigungswinkel $\lambda = -6^\circ$
Back rake angle
Obliquité de l'arête

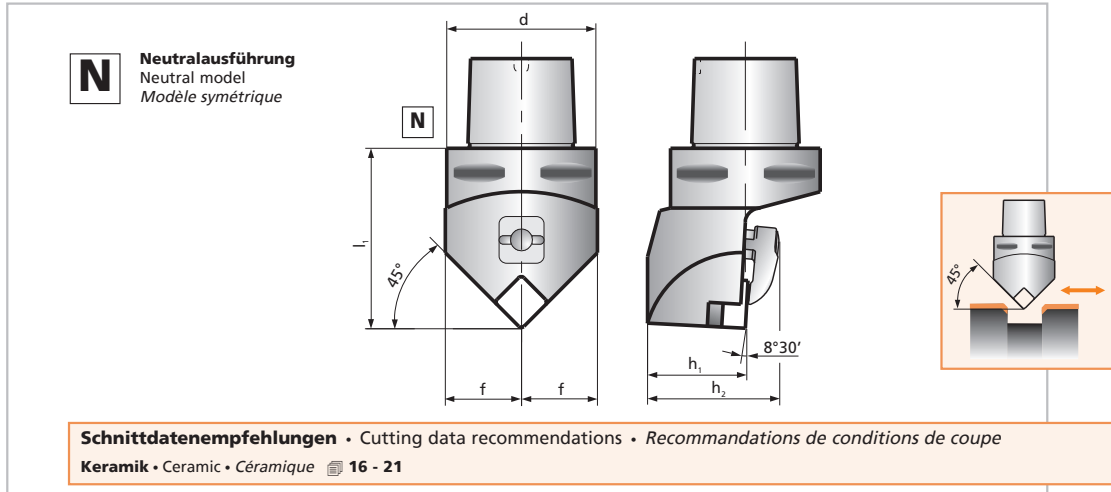
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • Céramique **16 - 21** **WURBON®** • WURBON® • WURBON® **85 - 89**

| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|------------------|
| | | d | h ₁ | 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 | 70.91.15.001.0 | 70.91.22.034.0 | |
| | | 791.43.005.12 | 70.91.15.001.0 | 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 | 70.91.15.001.0 | 70.91.22.033.0 | |
| | | 791.43.005.11 | 70.91.15.001.0 | 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 | 70.91.15.005.0 | | 70.91.26.043.6 |
| | | 791.43.005.18 | 70.91.15.005.0 | | |

CMS-Schneidköpfe
 CMS Cutting heads
 Têtes de coupe CMS

CMS 5 - CSDN □

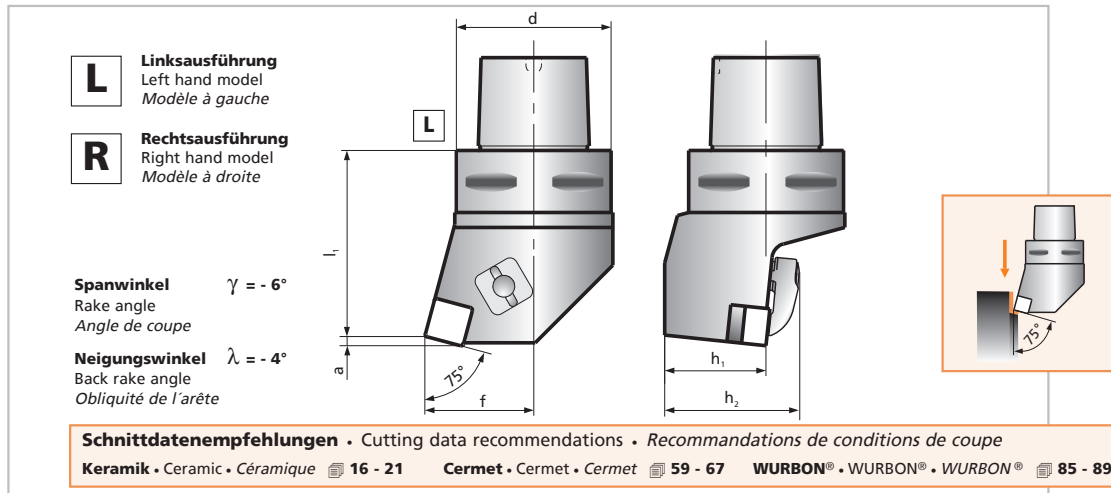


| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|
| | | d | h ₁ | h ₂ | f | l ₁ |
| SN .. 15 ... | CMS 5 | 50 | 30 | 45 | 25 | 60 |

| 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 | 70.91.15.006.0 | 70.91.22.013.0 |
| | | 791.05.006.12 | 70.91.15.005.0 | 70.91.22.013.0 |
| SN . N 15 07 ..  | CMS 5 - CSDN N 00060 - 15 - IC 7 CMS 5 - CSDN N 00060 - 15 - ID 7 | 791.05.006.13 | 70.91.15.006.0 | 70.91.22.012.0 |
| | | 791.05.006.11 | 70.91.15.005.0 | 70.91.22.012.0 |
| SN . X 15 07 ..  IKS - PRO | 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 .. SN . N 12 07 .. | 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 | |
| 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 | CMS 5 - CSKN L 35060 - 12 - IK 4 CMS 5 - CSKN R 35060 - 12 - IK 4 | 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 | |
| CMS 5 - CSKN L 35060 - 12 - IX 7 CMS 5 - CSKN R 35060 - 12 - IX 7 | CMS 5 - CSKN L 35060 - 12 - IK 7 CMS 5 - CSKN R 35060 - 12 - IK 7 | 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 | |
| | | 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 | |
| CMS 5 - CSKN L 35060 - 12 - IX 7 CMS 5 - CSKN R 35060 - 12 - IX 7 | CMS 5 - CSKN L 35060 - 12 - IP 4 CMS 5 - CSKN R 35060 - 12 - IP 4 | 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 | |
| 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 | |

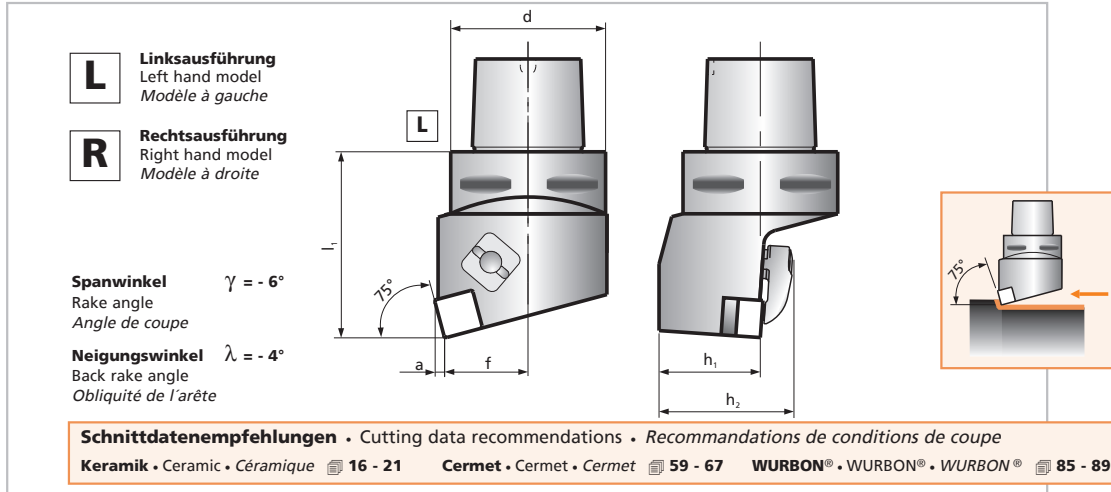
CMS-Schneidköpfe

CMS Cutting heads

Têtes de coupe CMS

CMS 5 - CSRN

CMS 5 - PSRN

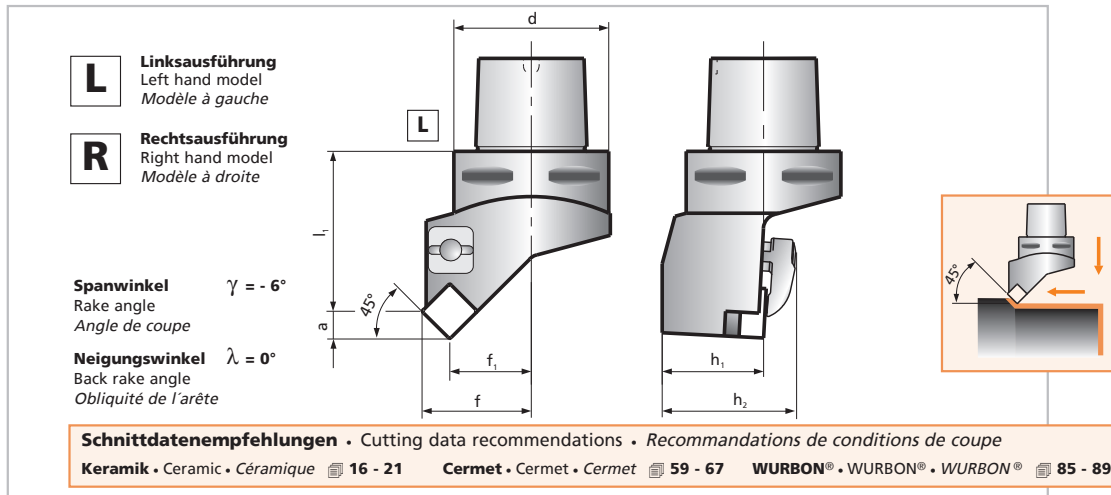


| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|------|------------------|
| | | d | h ₁ | h ₂ | f | l ₁ | a | D _{min} |
| SN .. 12 ... | 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 .. SN . N 12 07 .. | 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 | |
| IKS - PRO SN . X 12 04 .. SN . X 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 | |
| SN . X 12 04 .. SN . X 12 07 .. | 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 | |
| SN . X 12 07 .. | 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 |

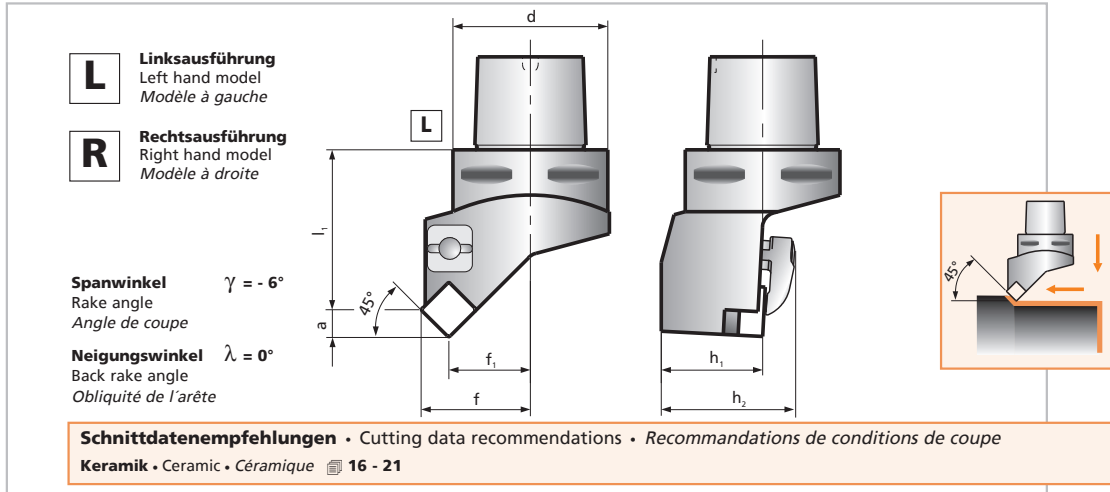
| SPK-Schneidplatte SPK Insert Plaquette SPK | ISO | SPK-Bestellnummer SPK ref. no. N° de réf. SPK | Ersatzteile • Spare parts • Pièces de rechange | | | |
|--|--|--|--|---|---|--|
| | | |  |  |  | |
| SN . N 12 04 ..  | CMS 5 - CSSN L 35052 - 12 - IC 4 CMS 5 - CSSN R 35052 - 12 - IC 4 CMS 5 - CSSN L 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 | | |
| | | 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 □

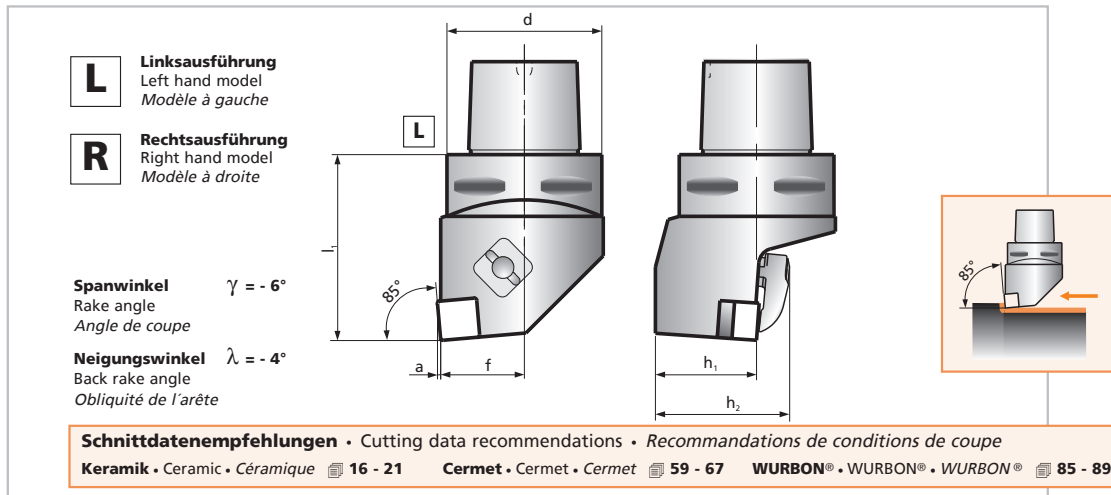


| SPK-Schneidplatte SPK insert Plaquette SPK | Schaft Shank Corps | Abmessungen • Dimensions • Dimensions (mm) | | | | | | | |
|--|--------------------------|--|----------------|----------------|----|----------------|----------------|-------|------------------|
| | | d | h ₁ | h ₂ | f | f ₁ | l ₁ | a | 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 CMS 5 - CSSN R 35052 -15 - IC 4 CMS 5 - CSSN L 35052 -15 - ID 4 CMS 5 - CSSN R 35052 -15 - ID 4 | 791.04.006.14 791.03.006.14 791.04.006.12 791.03.006.12 | 70.91.15.008.0 | 70.91.22.013.0 |
| | | | 70.91.15.007.0 | 70.91.22.013.0 |
| | | | 70.91.15.005.0 | 70.91.22.013.0 |
| | | | 70.91.15.005.0 | 70.91.22.013.0 |
| SN . N 15 07 ..  | CMS 5 - CSSN L 35052 -15 - IC 7 CMS 5 - CSSN R 35052 -15 - IC 7 CMS 5 - CSSN L 35052 -15 - ID 7 CMS 5 - CSSN R 35052 -15 - ID 7 | 791.04.006.13 791.03.006.13 791.04.006.11 791.03.006.11 | 70.91.15.008.0 | 70.91.22.012.0 |
| | | | 70.91.15.007.0 | 70.91.22.012.0 |
| | | | 70.91.15.005.0 | 70.91.22.012.0 |
| | | | 70.91.15.005.0 | 70.91.22.012.0 |
| SN . X 15 07 ..  | CMS 5 - CSSN L 35052 -15 - IK 7 CMS 5 - CSSN R 35052 -15 - IK 7 | 791.04.006.25 791.03.006.25 | 70.91.11.718.6 | 70.91.22.012.0 |
| | | | 70.91.11.718.6 | 70.91.22.012.0 |
| SN . X 15 07 ..  | CMS 5 - CSSN L 35052 -15 - IX 7 CMS 5 - CSSN R 35052 -15 - IX 7 | 791.04.006.15 791.03.006.15 | 70.91.11.316.0 | 70.91.22.012.0 |
| | | | 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 | | |

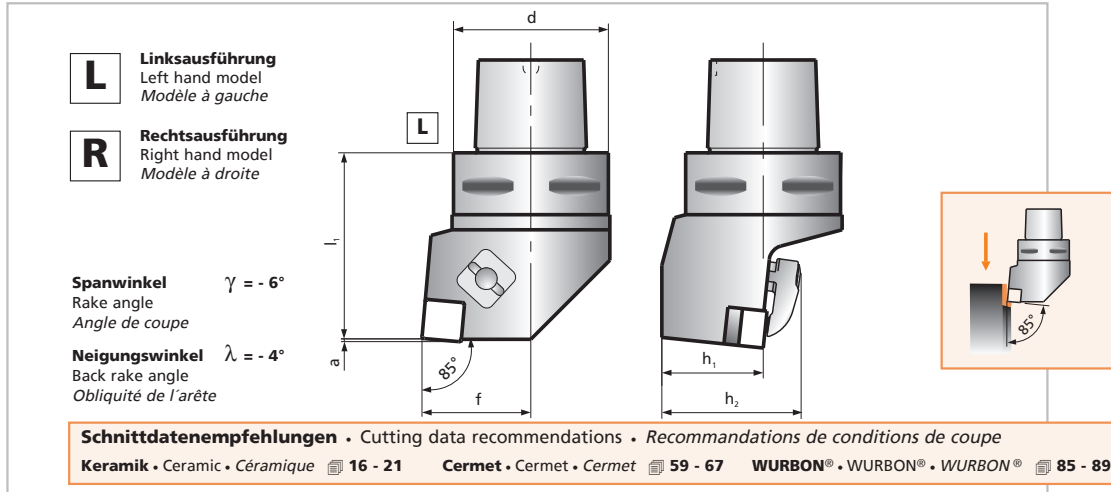
CMS-Schneidköpfe

CMS Cutting heads

Têtes de coupe CMS

CMS 5 - CSYN

CMS 5 - PSYN



| SPK-Schneidplatte SPK insert 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 | 1,03 | 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 - 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 | 70.91.11.716.6 | 70.91.22.069.0 |
| CN . X 12 07 .. | CMS 5 - S40J - CCLN L - 12 - IX 7 CMS 5 - S40J - CCLN R - 12 - IX 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

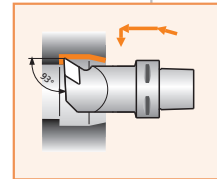
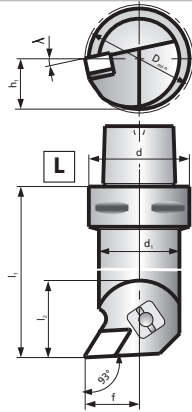
CMS Cutting heads
Têtes de coupe CMS

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 - IC 7 CMS 5 - S40J - CSKN R - 12 - IC 7 CMS 5 - S40J - CSKN L - 12 - ID 7 CMS 5 - S40J - CSKN R - 12 - ID 7 | 791.04.045.13 | 70.91.15.003.0 | 70.91.22.072.0 | |
| | | 791.03.045.13 | 70.91.15.004.0 | 70.91.22.072.0 | |
| | | 791.04.045.11 | 70.91.15.005.0 | 70.91.22.072.0 | |
| | | 791.03.045.11 | 70.91.15.005.0 | 70.91.22.072.0 | |
| IKS - PRO 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 |

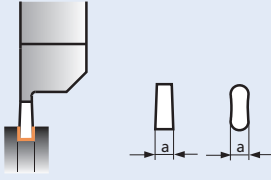
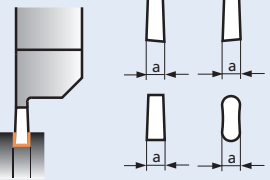
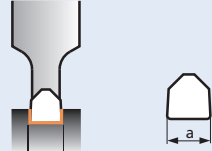
Stechwerkzeuge
Tools for grooving
Porte-outils pour la plongée de gorge



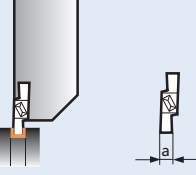
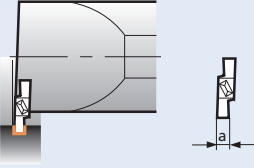
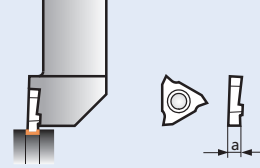
Inhaltsverzeichnis Stechwerkzeuge

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


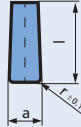






Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| 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 |
| | | 712.78.168.03 | 712.78.128.03 | 70.91.23.526.0 | 70.91.11.222.0 |
| | | 712.78.168.04 | 712.78.128.04 | 70.91.23.398.0 | 70.91.11.222.0 |
| | | 712.78.168.11 | 712.78.128.11 | 70.91.23.555.0 | 70.91.11.222.0 |
| | | 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 |
| | | 712.78.168.05 | 712.78.128.05 | 70.91.23.399.0 | 70.91.11.222.0 |
| | | 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

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 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 Plaquelette 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 |
| | | 712.77.169.01 | 712.77.129.01 | 70.91.23.549.0 | 70.91.11.219.0 |
| | | 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 |
| | | 712.77.169.02 | 712.77.129.02 | 70.91.23.550.0 | 70.91.11.219.0 |
| | | 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 |
| | | 712.77.169.03 | 712.77.129.03 | 70.91.23.551.0 | 70.91.11.219.0 |
| | | 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

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

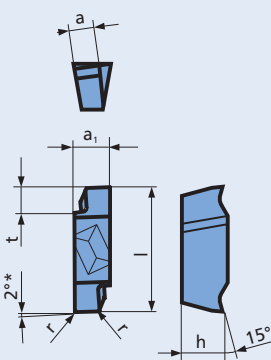
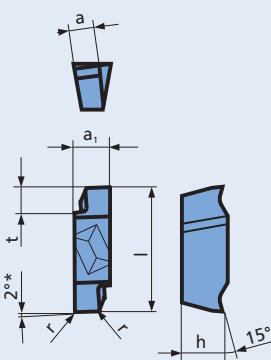
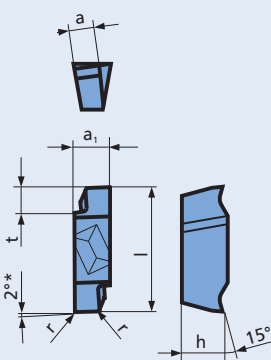
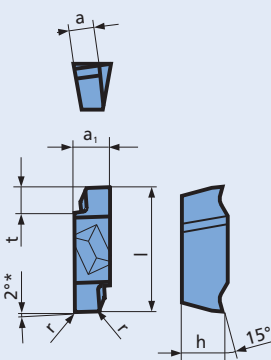
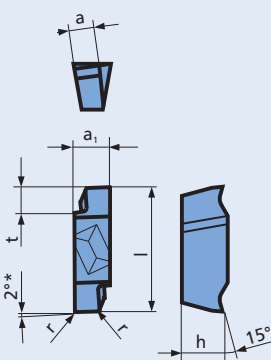
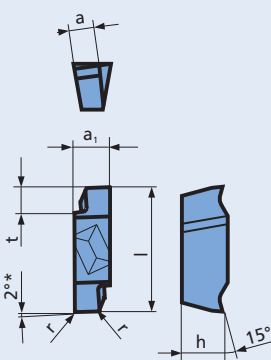
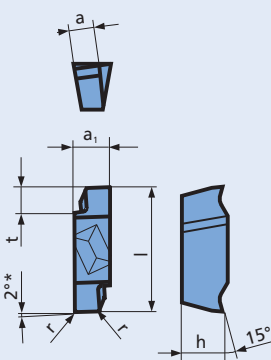
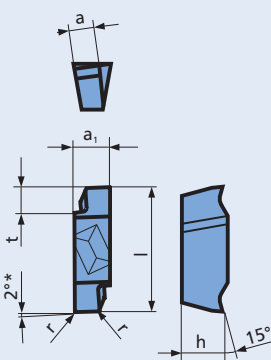
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Stechbreite Plunge width <i>Largeur</i> a (mm) | Schaft Shank <i>Corps</i> | Abmessungen • Dimensions • <i>Dimensions (mm)</i> | | | | | | |
|---|---------------------------------|---|------------------|----|----------------|----------------|------|----------------|
| | | 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 <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 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 | | | | | | |  | 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 in 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 $\gamma = 0^\circ$
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 _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 into 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 $\gamma = +10^\circ$
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> | Abmessungen • Dimensions • <i>Dimensions</i> (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 <i>Largeur</i> a (mm) | Schaft Shank <i>Corps</i> | SPK-Bezeichnung SPK designation Code de SPK | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Spannelement Clamping element <i>Élément de serrage</i> |
|---|---------------------------------|---|--|---|
| 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 | | | | | | | | 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 $\gamma = +10^\circ$
 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> | 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> | 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 | | 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 = 1,1-3,15 mm

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* 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 |
| 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 | | | | | |

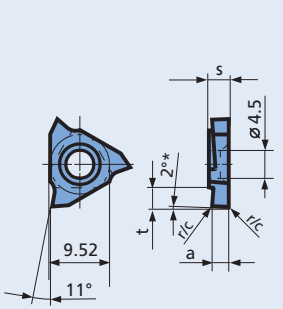
| Stechbreite Plunge width <i>Largeur</i> a (mm) | Schaft Shank <i>Corps</i> | SPK-Bezeichnung SPK designation Code de SPK | SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i> | Spannschraube Clamping bolt <i>Vis de serrage</i> |
|---|---------------------------------|---|--|---|
| 1,1 - 3,15 | 1616 | 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 |  | 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} | TPGX 1603 | 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} | TPGX 1603 | 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} | TPGX 1603 | 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} | TPGX 1603 | 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} | TPGX 1603 | 265 L | SC 40 | 46.32.534.40.4 | | <p>* Im eingebauten Zustand im Klemmhalter 0° When mounted in toolholder 0° Après montage dans le porte-outil 0°</p> | 3,40 | 3,0 | 0,2 | - |
| | | 265 R | SC 40 | 46.32.527.40.4 | | | 3,40 | 3,0 | 0,2 | - |
| 3,15 ^{+0,18} _{+0,05} | TPGX 1603 | 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

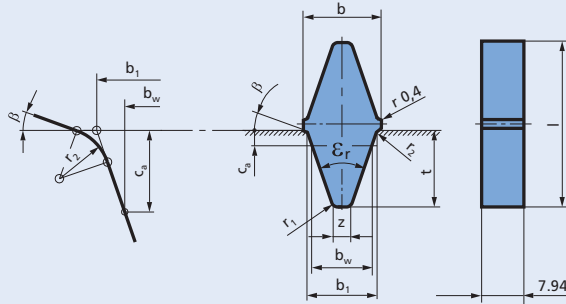
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
114

| 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 | |
| | | 36.71.257.04.5 | 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 | |
| | | 36.71.258.04.5 | R | 710.63.032.45 | | | | | | | |
| 34° | SPB | 36.70.714.04.5 | L | 710.64.034.45 | 32 | 50 | 22 | 34 | 70.91.53.834.0 | 70.91.11.134.0 | |
| | | 36.71.259.04.5 | R | 710.63.034.45 | | | | | | | |
| | SPC | 36.70.716.04.5 | L | 710.64.036.45 | 36 | 59 | 23 | 36 | 70.91.53.836.0 | 70.91.11.134.0 | |
| | | 36.71.260.04.5 | 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 | |
| | | 36.71.214.04.5 | R | 710.63.031.45 | | | | | | | |
| | SPA | 36.70.698.04.5 | L | 710.64.033.45 | 32 | 40 | 22 | 33 | 70.91.53.833.0 | 70.91.11.134.0 | |
| | | 36.71.262.04.5 | R | 710.63.033.45 | | | | | | | |
| | 38° | SPB | 36.70.715.04.5 | L | 710.64.035.45 | 32 | 45 | 22 | 34 | 70.91.53.835.0 | 70.91.11.134.0 |
| | | | 36.71.263.04.5 | R | 710.63.035.45 | | | | | | |
| | | SPC | 36.70.717.04.5 | L | 710.64.037.45 | 36 | 59 | 23 | 36 | 70.91.53.837.0 | 70.91.11.134.0 |
| | | | 36.71.264.04.5 | R | 710.63.037.45 | | | | | | |

Profil DIN 2211

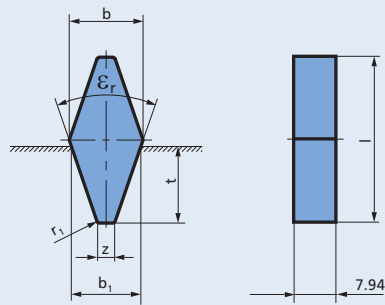
Keramik-Schneidplatten Ceramic inserts Plaquettes de coupe céramique

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 |

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

Profil KP 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

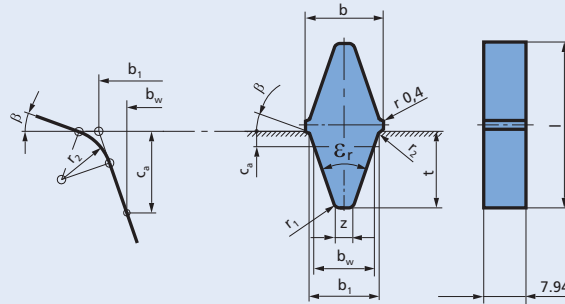
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Profil KP 1 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° | 36.71.169.04.5 | 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 | | | | | | |
| 36° | 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 | | | | | | |
| 38° | 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 | | | | | | |
| | 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 | | | | | | |
| 38° | 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 |

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

Profil KP 2

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

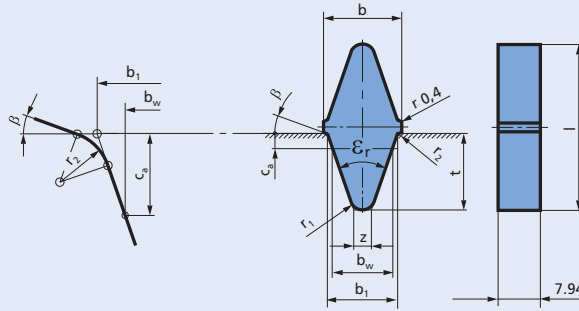
| Profil KP 2 ϵ_r | SPK-Schneidplatte SPK insert Plaquettes SPK | Ausführung Model Modèle | SPK-Best. Nr. SPK ref. no N° de réf. SPK | Abmessungen Dimensions Dimensions (mm) | | | | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Élément de serrage |
|-----------------------------|---|-------------------------------|--|---|----------------|----------------|----------------|--|--|
| | | | | 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 |

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

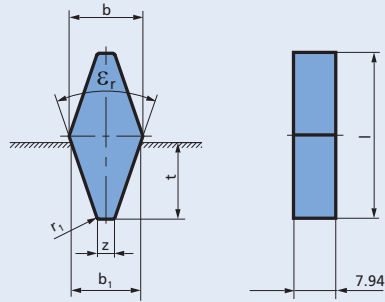
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Profil P 1 ϵ_r | SPK-Schneidplatte SPK insert Plaquettes SPK | Ausführung 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° | 36.70.750.04.5 | 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

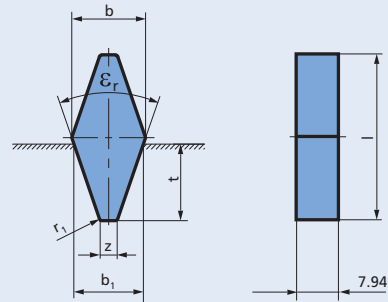
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| Profil P 1 ϵ_r | SPK-Schneidplatte SPK insert Plaquettes SPK | Ausführung 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 | | |
| 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 |

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

Profil P 2

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

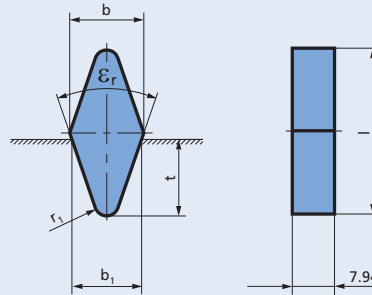
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

| 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 Élément 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 |

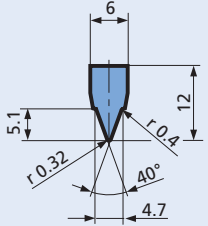
| Poly-V-Profil Poly-V-profil Profil poly-V | SPK-Schneidplatte SPK insert Plaquettes SPK | Ausführung Model Modèle | SPK-Best. Nr. SPK ref. no N° de réf. SPK | Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis | Spannelement Clamping element Élément de serrage | |
|---|---|-------------------------------|--|--|--|----------------|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

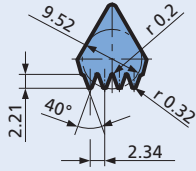
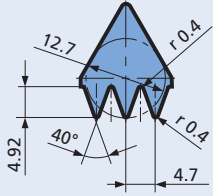
| Poly-V-Profil Poly-V-profil Profil poly-V | SPK-Schneid- platte SPK insert Plaquettes SPK | SPK-Best. Nr. SPK ref. no <i>N° de réf. SPK</i> | | Stützplatte mit Schraube Shim with screw <i>Plaquette d'assise avec vis</i> | Spannelement Clamping element <i>Élément de serrage</i> | |
|---|--|---|----------------------|--|---|----------------|
| | | 2525 | 3225 | | | |
| Cermet Cermet • 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 Epaisseur 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-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 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 |

Poly-V- Profil K3, K4

Schneidplatten Inserts Plaquettes de coupe

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 <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> | |
|---|---|---|--|---|----------------|
| | | 3225 | | | |
| Keramik Ceramic 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 Epaisseur 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 Epaisseur 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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