



VEHICLES



AEROSPACE



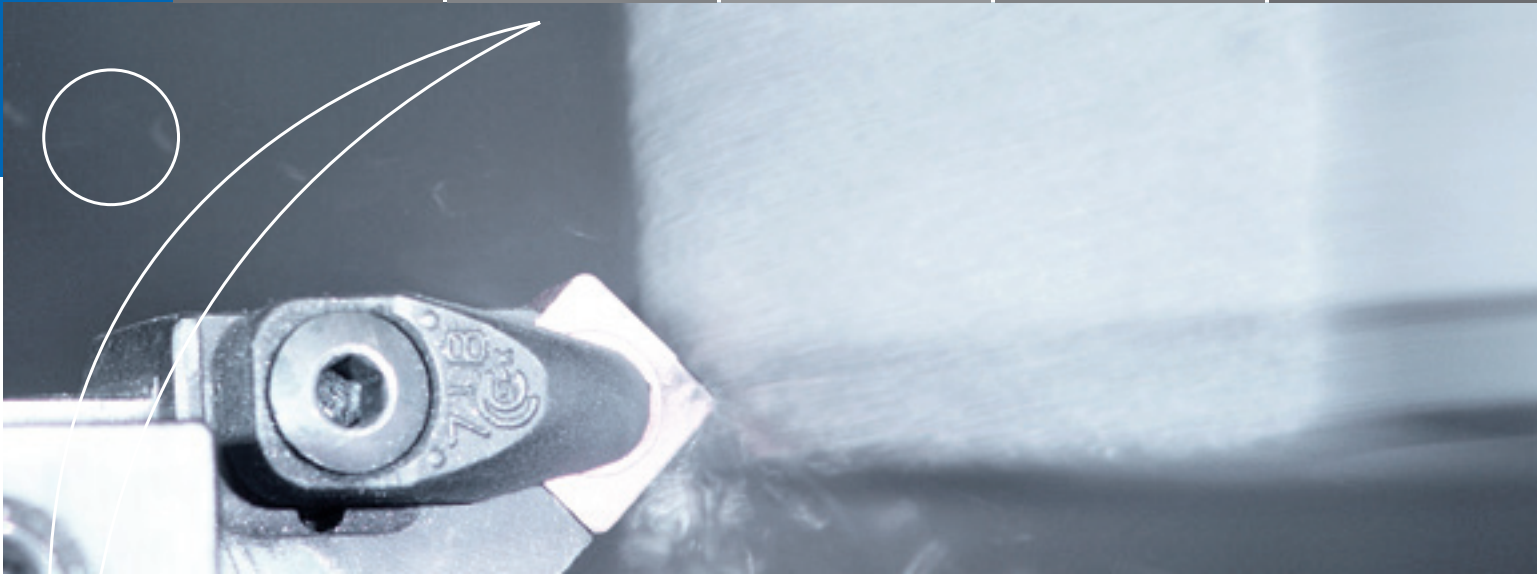
GEARS & BEARINGS



ENGINEERING



WIND ENERGY



DREHWERKZEUGE

TOOLS FOR TURNING

PORTE-OUTILS POUR LE TOURNAGE



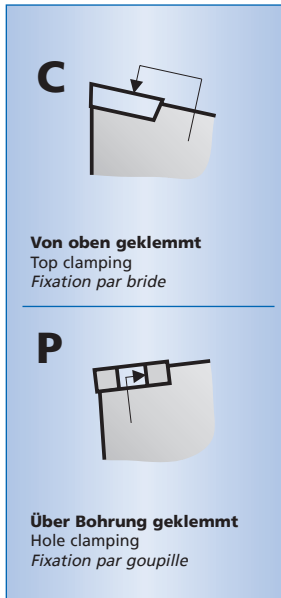
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Bezeichnungssystem für Klemmhalter nach ISO 5608

Designation system for toolholders ISO 5608

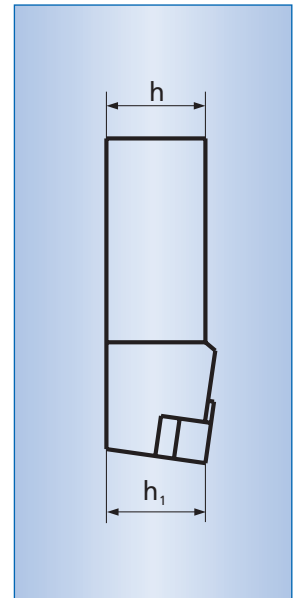
Système de dénomination ISO 5608 pour porte-outils



**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				

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

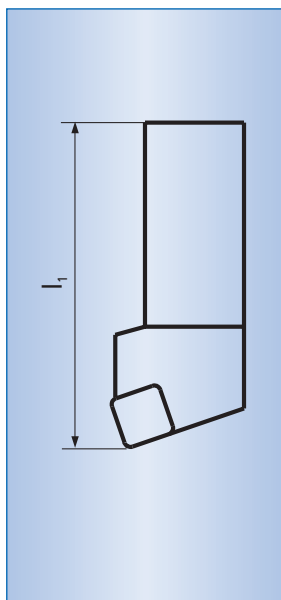
C 80°	D 55°
E 75°	R
S 90°	T 60°
V 35°	

Normal-Freiwinkel der Schneidplatte
Insert normal clearance
Angle de dépouille

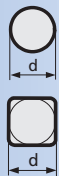
N 0°
B 5°
C 7°
P 11°

Schneidrichtung
Cutting direction
Direction de coupe

R
L
N



Schaftbreite
Shank width
Largeur de la queue

Inkreis Inscribed circle Cercle inscrit	 d mm	 T 60°	 C 80°	 E 75°	 D 55°	 V 35°	Inkreis Inscribed circle Cercle inscrit	 d mm	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

25

M

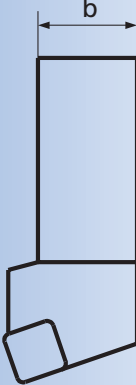
12

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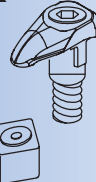
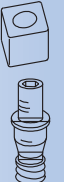
ID

7

Werkzeuglänge
Tool length
Longueur d'outil

		l₁ mm
	K	125
	M	150
	P	170
	R	200
	S	250
	V	400

Klemmart
Clamping system
Système de serrage

ID 	IC 	
IK 	IX 	IP 

Das integrierte SPK-Klemmsystem IKS
The integrated SPK clamping system IKS
La système IKS de serrage SPK intégré

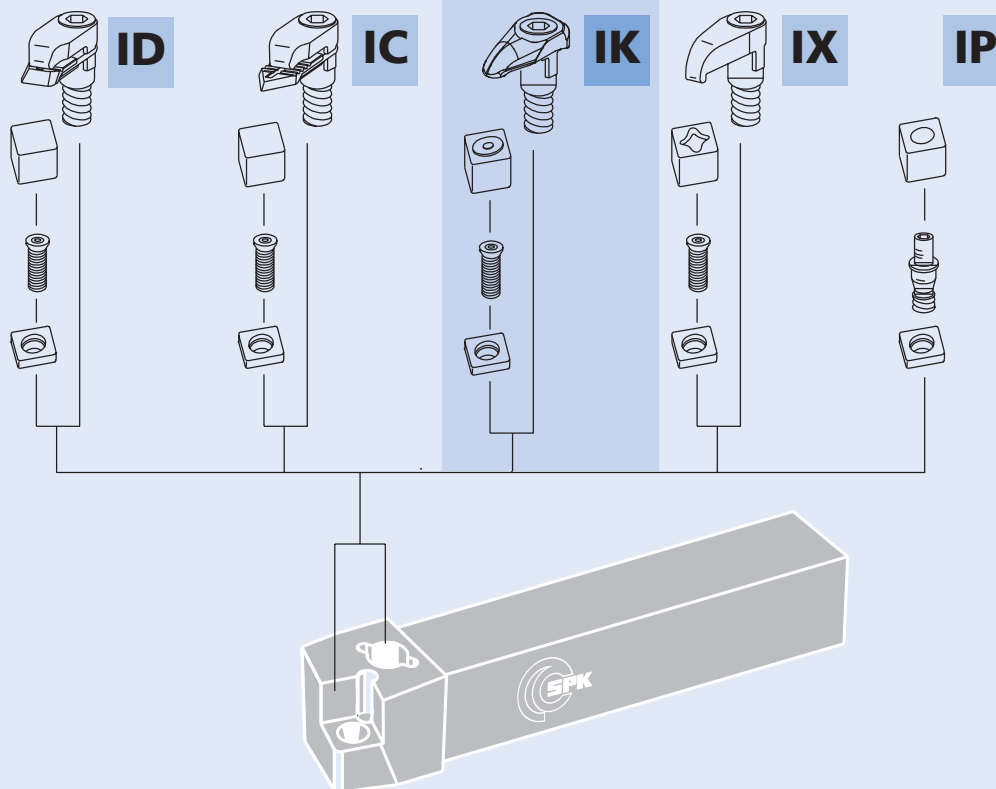
Klemmelement mit Druckplatte
 (für kurzspanende Werkstoffe)
 Clamping element
 with thrust plate
 (for short-chip material)
*Élément de serrage
 avec plaquette de poussée
 (pour des matières à
 copeaux fragmentés)*

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

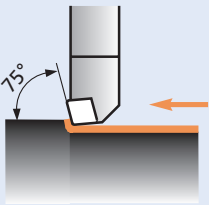
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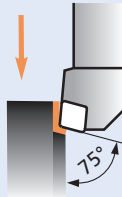
IKS-Drehwerkzeuge • IKS Tools for turning • Porte-outils IKS pour le tournage

CCBN L / R
PCBN L / R



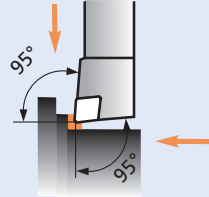
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CCKN L / R
PCKN L / R



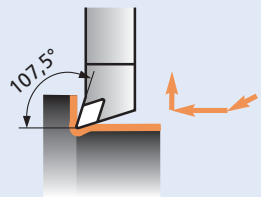
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CCLN L / R
PCLN L / R



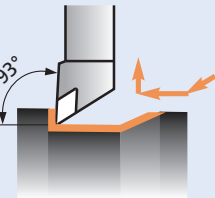
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CDHN L / R
PDHN L / R



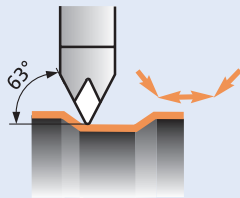
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CDJN L / R
PDJN L / R



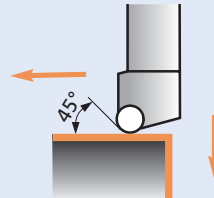
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CDNN N
PDNN N



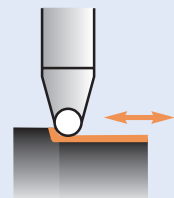
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CRSN L / R
PRSN L / R



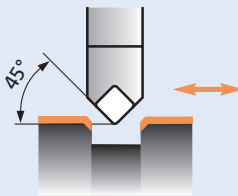
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CRDN N
PRDN N



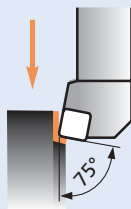
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CSDN N
PSDN N



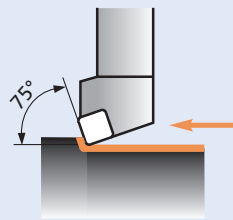
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CSKN L / R
PSKN L / R



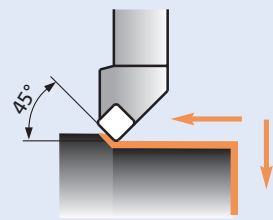
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CSRN L / R
PSRN L / R



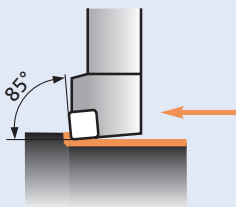
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CSSN L / R
PSSN L / R



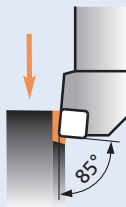
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CSXN L / R
PSXN L / R



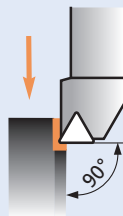
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CSYN L / R
PSYN L / R



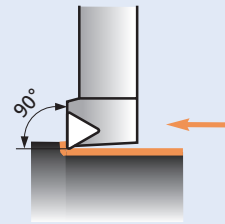
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CTFN L / R
PTFN L / R



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CTGN L / R
PTGN L / R



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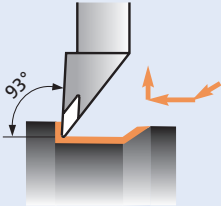
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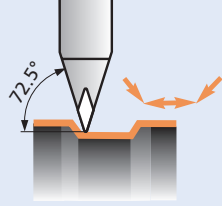
IKS-Drehwerkzeuge • IKS Tools for turning • Porte-outils IKS pour le tournage

CVJN L / R
PVJN L / R



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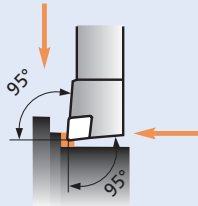
CVVN N
PVVN N



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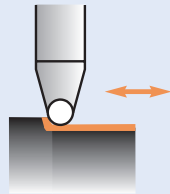
Drehwerkzeuge • Tools for turning • Porte-outils pour le tournage

CCLN L / R



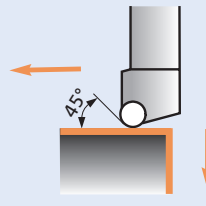
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CRDN L / R



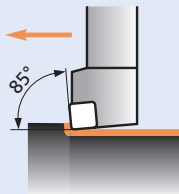
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CRSN L / R



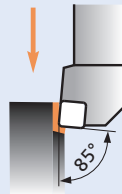
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CSXN L / R



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CSYN L / R



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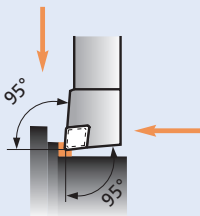
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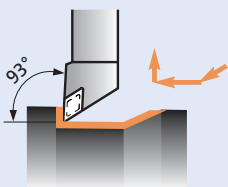
IKS-Drehwerkzeuge positiv • IKS Tools positiv for turning • Porte-outils positifs IKS pour le tournage

CCLC L / R



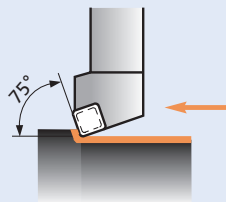
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CDJC L / R



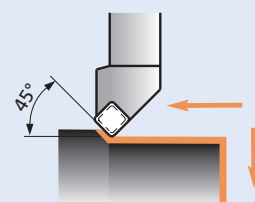
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CSRC L / R



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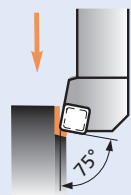
CSSN L / R



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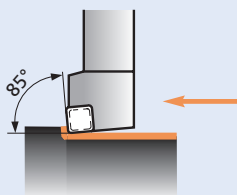
Drehwerkzeuge positiv • Tools positiv for turning • Porte-outils positifs pour le tournage

CSKCL / R



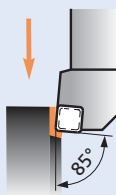
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CSXC L / R



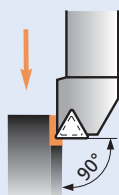
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CSYC L / R



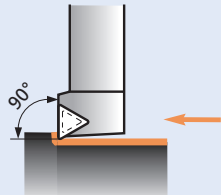
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CTFC L / R



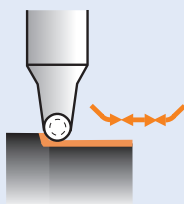
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CTGC L / R



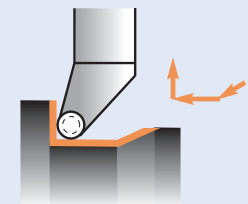
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CRDC N



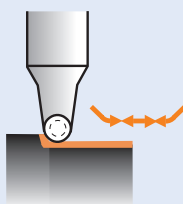
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CRGC L / R



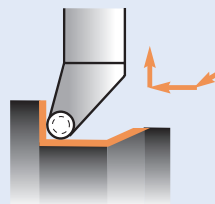
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CRXB N



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CRGB L / R



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IKS-Drehwerkzeuge

IKS Tools for turning

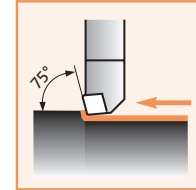
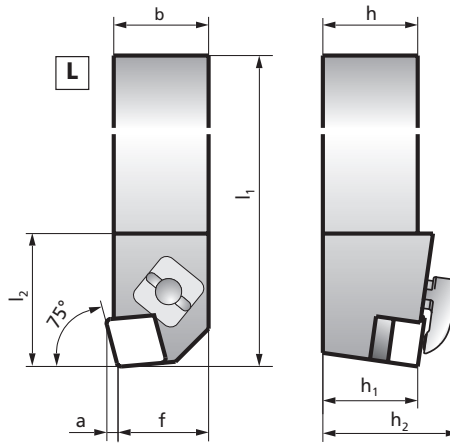
Porte-outils IKS pour le tournage

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 $\lambda = -4^\circ$
Back rake angle
Obliquité de l'arête



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 .. 	CCBN L 2525 M 12 - IC 4 CCBN R 2525 M 12 - IC 4 CCBN L 3225 P 12 - IC 4 CCBN R 3225 P 12 - IC 4 CCBN L 2525 M 12 - ID 4 CCBN R 2525 M 12 - ID 4 CCBN L 3225 P 12 - ID 4 CCBN R 3225 P 12 - ID 4	711.24.040.04 711.23.040.04 711.24.037.04 711.23.037.04 711.24.040.02 711.23.040.02 711.24.037.02 711.23.037.02	70.91.15.017.0	70.91.22.015.0	
			70.91.15.016.0	70.91.22.015.0	
			70.91.15.017.0	70.91.22.015.0	
			70.91.15.016.0	70.91.22.015.0	
			70.91.15.005.0	70.91.22.015.0	
			70.91.15.005.0	70.91.22.015.0	
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			70.91.15.005.0	70.91.22.014.0	
IKS - PRO CN . X 12 04 ..  CN . X 12 07 ..  CN . X 12 07 ..  CN . A 12 04 .. 	CCBN L 2525 M 12 - IK 4 CCBN R 2525 M 12 - IK 4 CCBN L 3225 P 12 - IK 4 CCBN R 3225 P 12 - IK 4	711.24.040.29 711.23.040.29 711.24.037.29 711.23.037.29	70.91.11.718.6	70.91.22.015.0	
			70.91.11.718.6	70.91.22.015.0	
			70.91.11.718.6	70.91.22.015.0	
			70.91.11.718.6	70.91.22.015.0	
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			70.91.15.005.0		70.91.26.009.6
			70.91.15.005.0		70.91.26.009.6

CCBN □ 2525
PCBN □ 2525

CCBN □ 3225
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

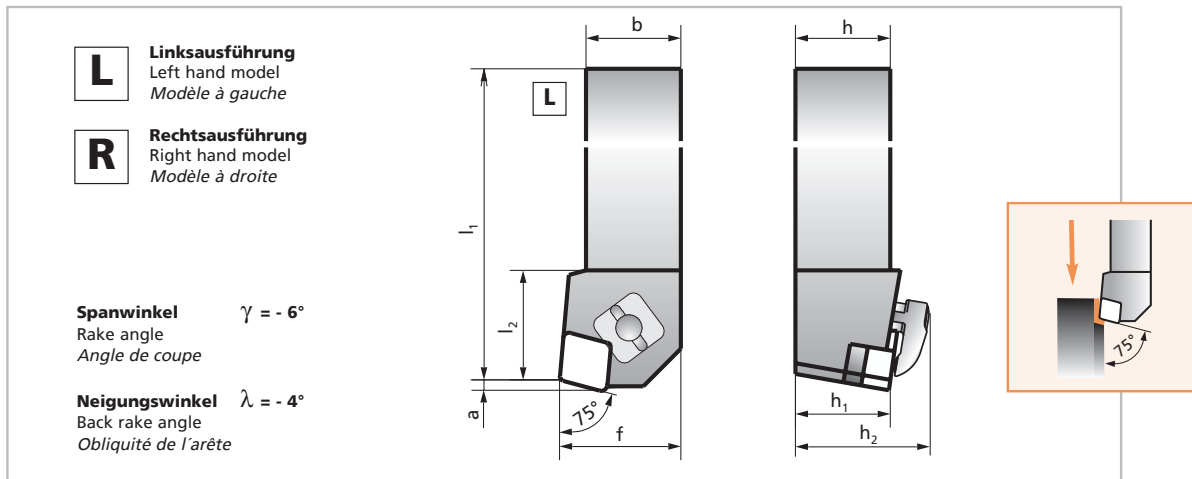
Keramik • Ceramic • Céramique  16 - 21 Cermet • Cermet • Cermet  59 - 67 WURBON® • WURBON® • WURBON®  85 - 89

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	
	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	
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	
	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 Plaque 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 CCKN R 2525 M 12 - IC 4 CCKN L 3225 P 12 - IC 4 CCKN R 3225 P 12 - IC 4 CCKN L 2525 M 12 - ID 4 CCKN R 2525 M 12 - ID 4 CCKN L 3225 P 12 - ID 4 CCKN R 3225 P 12 - ID 4	711.24.025.04	70.91.15.017.0	70.91.22.015.0	
		711.23.025.04	70.91.15.016.0	70.91.22.015.0	
		711.24.026.04	70.91.15.017.0	70.91.22.015.0	
		711.23.026.04	70.91.15.016.0	70.91.22.015.0	
		711.24.025.02	70.91.15.005.0	70.91.22.015.0	
		711.23.025.02	70.91.15.005.0	70.91.22.015.0	
		711.24.026.02	70.91.15.005.0	70.91.22.015.0	
		711.23.026.02	70.91.15.005.0	70.91.22.015.0	
	CCKN L 2525 M 12 - IC 7 CCKN R 2525 M 12 - IC 7 CCKN L 3225 P 12 - IC 7 CCKN R 3225 P 12 - IC 7 CCKN L 2525 M 12 - ID 7 CCKN R 2525 M 12 - ID 7 CCKN L 3225 P 12 - ID 7 CCKN R 3225 P 12 - ID 7	711.24.025.03	70.91.15.017.0	70.91.22.014.0	
		711.23.025.03	70.91.15.016.0	70.91.22.014.0	
		711.24.026.03	70.91.15.017.0	70.91.22.014.0	
		711.23.026.03	70.91.15.016.0	70.91.22.014.0	
		711.24.025.01	70.91.15.005.0	70.91.22.014.0	
		711.23.025.01	70.91.15.005.0	70.91.22.014.0	
IKS - PRO CN . X 12 04 .. CN . X 12 07 .. 	CCKN L 2525 M 12 - IK 4 CCKN R 2525 M 12 - IK 4 CCKN L 3225 P 12 - IK 4 CCKN R 3225 P 12 - IK 4	711.24.025.29	70.91.11.718.6	70.91.22.015.0	
		711.23.025.29	70.91.11.718.6	70.91.22.015.0	
		711.24.026.29	70.91.11.718.6	70.91.22.015.0	
		711.23.026.29	70.91.11.718.6	70.91.22.015.0	
	CCKN L 2525 M 12 - IK 7 CCKN R 2525 M 12 - IK 7 CCKN L 3225 P 12 - IK 7 CCKN R 3225 P 12 - IK 7	711.24.025.25	70.91.11.718.6	70.91.22.014.0	
		711.23.025.25	70.91.11.718.6	70.91.22.014.0	
		711.24.026.25	70.91.11.718.6	70.91.22.014.0	
		711.23.026.25	70.91.11.718.6	70.91.22.014.0	
	CCKN L 2525 M 12 - IX 7 CCKN R 2525 M 12 - IX 7 CCKN L 3225 P 12 - IX 7 CCKN R 3225 P 12 - IX 7	711.24.025.05	70.91.11.371.0	70.91.22.014.0	
		711.23.025.05	70.91.11.371.0	70.91.22.014.0	
		711.24.026.05	70.91.11.371.0	70.91.22.014.0	
		711.23.026.05	70.91.11.371.0	70.91.22.014.0	
	PCKN L 2525 M 12 - IP 4 PCKN R 2525 M 12 - IP 4 PCKN L 3225 P 12 - IP 4 PCKN R 3225 P 12 - IP 4	711.24.025.08	70.91.15.005.0		70.91.26.009.6
		711.23.025.08	70.91.15.005.0		70.91.26.009.6
		711.24.026.08	70.91.15.005.0		70.91.26.009.6
		711.23.026.08	70.91.15.005.0		70.91.26.009.6

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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

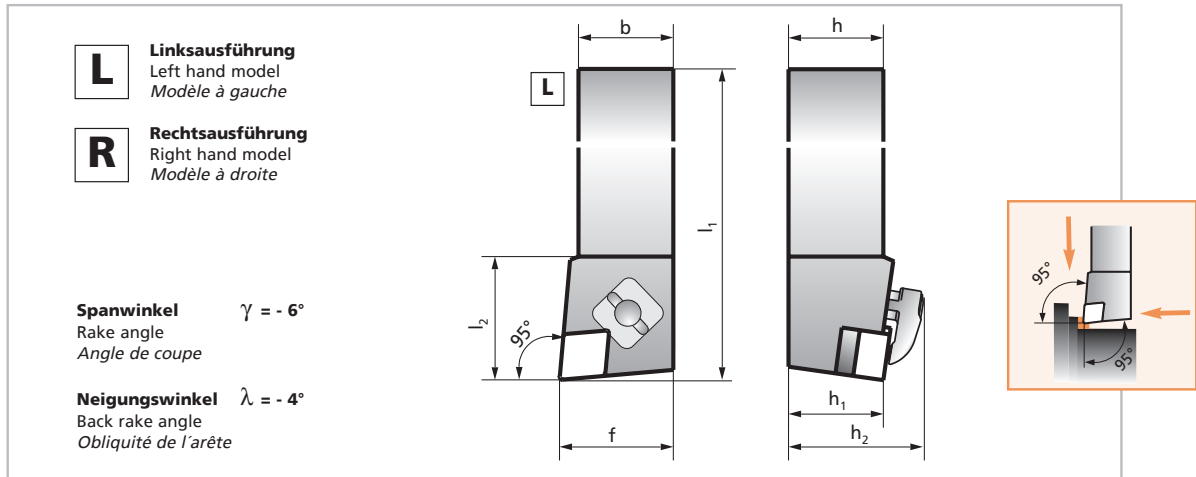
Keramik • Ceramic • Céramique 16 - 21 Cermet • Cermet • Cermet 59 - 67 WURBON® • WURBON® • WURBON® 85 - 89

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 CCKN R 2525 M 16 - IC 4 CCKN L 3225 P 16 - IC 4 CCKN R 3225 P 16 - IC 4 CCKN L 2525 M 16 - ID 4 CCKN R 2525 M 16 - ID 4 CCKN L 3225 P 16 - ID 4 CCKN R 3225 P 16 - ID 4	711.24.029.04	70.91.15.004.0	70.91.22.017.0	
		711.23.029.04	70.91.15.003.0	70.91.22.017.0	
		711.24.030.04	70.91.15.004.0	70.91.22.017.0	
		711.23.030.04	70.91.15.003.0	70.91.22.017.0	
		711.24.029.02	70.91.15.005.0	70.91.22.017.0	
		711.23.029.02	70.91.15.005.0	70.91.22.017.0	
		711.24.030.02	70.91.15.005.0	70.91.22.017.0	
		711.23.030.02	70.91.15.005.0	70.91.22.017.0	
	CCKN L 2525 M 16 - IC 7 CCKN R 2525 M 16 - IC 7 CCKN L 3225 P 16 - IC 7 CCKN R 3225 P 16 - IC 7 CCKN L 2525 M 16 - ID 7 CCKN R 2525 M 16 - ID 7 CCKN L 3225 P 16 - ID 7 CCKN R 3225 P 16 - ID 7	711.24.029.03	70.91.15.004.0	70.91.22.016.0	
		711.23.029.03	70.91.15.003.0	70.91.22.016.0	
		711.24.030.03	70.91.15.004.0	70.91.22.016.0	
		711.23.030.03	70.91.15.003.0	70.91.22.016.0	
		711.24.029.01	70.91.15.005.0	70.91.22.016.0	
		711.23.029.01	70.91.15.005.0	70.91.22.016.0	
IKS - PRO CN . X 16 07 .. 	CCKN L 2525 M 16 - IK 7 CCKN R 2525 M 16 - IK 7 CCKN L 3225 P 16 - IK 7 CCKN R 3225 P 16 - IK 7	711.24.029.25	70.91.11.718.6	70.91.22.016.0	
		711.23.029.25	70.91.11.718.6	70.91.22.016.0	
		711.24.030.25	70.91.11.718.6	70.91.22.016.0	
		711.23.030.25	70.91.11.718.6	70.91.22.016.0	
	CCKN L 2525 M 16 - IX 7 CCKN R 2525 M 16 - IX 7 CCKN L 3225 P 16 - IX 7 CCKN R 3225 P 16 - IX 7	711.24.029.05	70.91.11.316.0	70.91.22.016.0	
		711.23.029.05	70.91.11.316.0	70.91.22.016.0	
		711.24.030.05	70.91.11.316.0	70.91.22.016.0	
		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 Plaque SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
					
CN . N 12 04 .. 	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 ..  CN . X 12 07 ..  CN . A 12 04 .. 	CCLN L 2525 M 12 - IK 4 CCLN R 2525 M 12 - IK 4 CCLN L 3225 P 12 - IK 4 CCLN R 3225 P 12 - IK 4	711.24.001.29	70.91.11.716.6	70.91.22.015.0	
		711.23.001.29	70.91.11.716.6	70.91.22.015.0	
		711.24.002.29	70.91.11.716.6	70.91.22.015.0	
		711.23.002.29	70.91.11.716.6	70.91.22.015.0	
	CCLN L 2525 M 12 - IK 7 CCLN R 2525 M 12 - IK 7 CCLN L 3225 P 12 - IK 7 CCLN R 3225 P 12 - IK 7	711.24.001.25	70.91.11.716.6	70.91.22.014.0	
		711.23.001.25	70.91.11.716.6	70.91.22.014.0	
		711.24.002.25	70.91.11.716.6	70.91.22.014.0	
		711.23.002.25	70.91.11.716.6	70.91.22.014.0	
	CCLN L 2525 M 12 - IX 7 CCLN R 2525 M 12 - IX 7 CCLN L 3225 P 12 - IX 7 CCLN R 3225 P 12 - IX 7	711.24.001.05	70.91.11.316.0	70.91.22.014.0	
		711.23.001.05	70.91.11.316.0	70.91.22.014.0	
		711.24.002.05	70.91.11.316.0	70.91.22.014.0	
		711.23.002.05	70.91.11.316.0	70.91.22.014.0	
	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

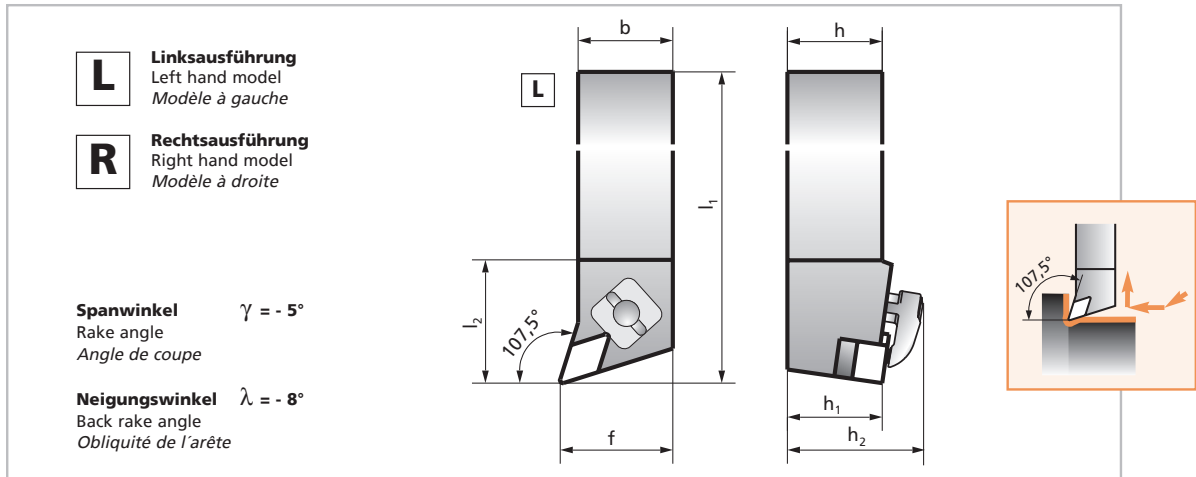
Keramik • Ceramic • Céramique 16 - 21 **Cermet • Cermet • Cermet** 59 - 67 **WURBON® • WURBON® • WURBON®** 85 - 89

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 CCLN R 2525 M 16 - IC 4 CCLN L 3225 P 16 - IC 4 CCLN R 3225 P 16 - IC 4 CCLN L 2525 M 16 - ID 4 CCLN R 2525 M 16 - ID 4 CCLN L 3225 P 16 - ID 4 CCLN R 3225 P 16 - ID 4	711.24.009.04	70.91.15.006.0	70.91.22.017.0	
		711.23.009.04	70.91.15.006.0	70.91.22.017.0	
		711.24.010.04	70.91.15.006.0	70.91.22.017.0	
		711.23.010.04	70.91.15.006.0	70.91.22.017.0	
		711.24.009.02	70.91.15.005.0	70.91.22.017.0	
		711.23.009.02	70.91.15.005.0	70.91.22.017.0	
		711.24.010.02	70.91.15.005.0	70.91.22.017.0	
		711.23.010.02	70.91.15.005.0	70.91.22.017.0	
	CCLN L 2525 M 16 - IC 7 CCLN R 2525 M 16 - IC 7 CCLN L 3225 P 16 - IC 7 CCLN R 3225 P 16 - IC 7 CCLN L 2525 M 16 - ID 7 CCLN R 2525 M 16 - ID 7 CCLN L 3225 P 16 - ID 7 CCLN R 3225 P 16 - ID 7	711.24.009.03	70.91.15.006.0	70.91.22.016.0	
		711.23.009.03	70.91.15.006.0	70.91.22.016.0	
		711.24.010.03	70.91.15.006.0	70.91.22.016.0	
		711.23.010.03	70.91.15.006.0	70.91.22.016.0	
		711.24.009.01	70.91.15.005.0	70.91.22.016.0	
		711.23.009.01	70.91.15.005.0	70.91.22.016.0	
IKS - PRO CN . X 16 07 .. 	CCLN L 2525 M 16 - IK 7 CCLN R 2525 M 16 - IK 7 CCLN L 3225 P 16 - IK 7 CCLN R 3225 P 16 - IK 7	711.24.009.25	70.91.11.721.6	70.91.22.016.0	
		711.23.009.25	70.91.11.721.6	70.91.22.016.0	
		711.24.010.25	70.91.11.721.6	70.91.22.016.0	
		711.23.010.25	70.91.11.721.6	70.91.22.016.0	
	CCLN L 2525 M 16 - IX 7 CCLN R 2525 M 16 - IX 7 CCLN L 3225 P 16 - IX 7 CCLN R 3225 P 16 - IX 7	711.24.009.05	70.91.11.332.0	70.91.22.016.0	
		711.23.009.05	70.91.11.332.0	70.91.22.016.0	
		711.24.010.05	70.91.11.332.0	70.91.22.016.0	
		711.23.010.05	70.91.11.332.0	70.91.22.016.0	

IKS-Drehwerkzeuge

IKS Tools for turning

Porte-outils IKS pour le tournage



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

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

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

Schnittdatenempfehlungen • Cutting data recommendations • Recommandations de conditions de coupe

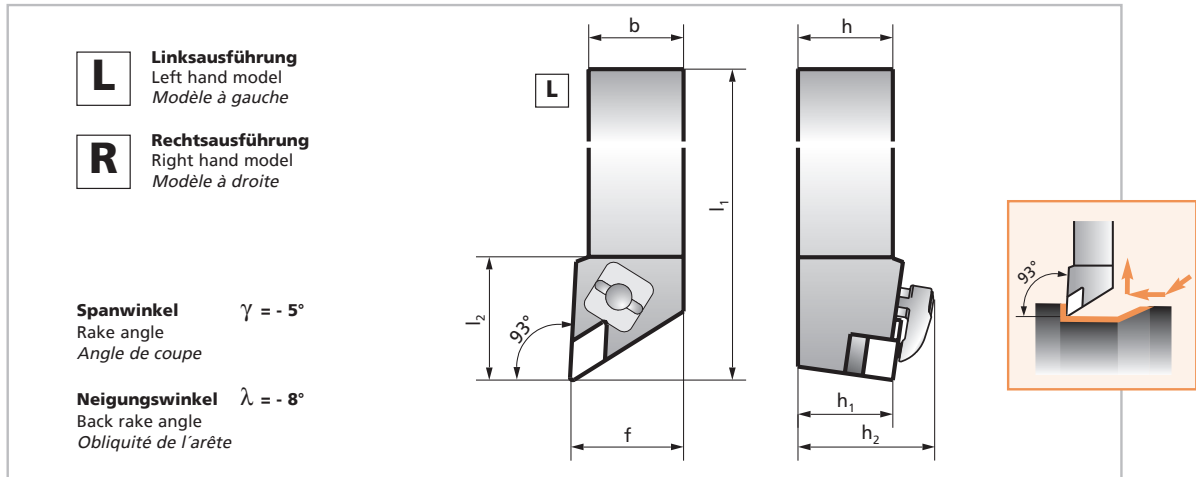
Keramik • Ceramic • Céramique 16 - 21 **Cermet • Cermet • Cermet** 59 - 67 **WURBON® • WURBON® • WURBON®** 85 - 89

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

IKS-Drehwerkzeuge

IKS Tools for turning

Porte-outils IKS pour le tournage



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

CDJN □ 2525

CDJN □ 3225

PDJN □ 2525

PDJN □ 3225

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

Schnittdatenempfehlungen • Cutting data recommendations • Recommandations de conditions de coupe

Keramik • Ceramic • Céramique 16 - 21

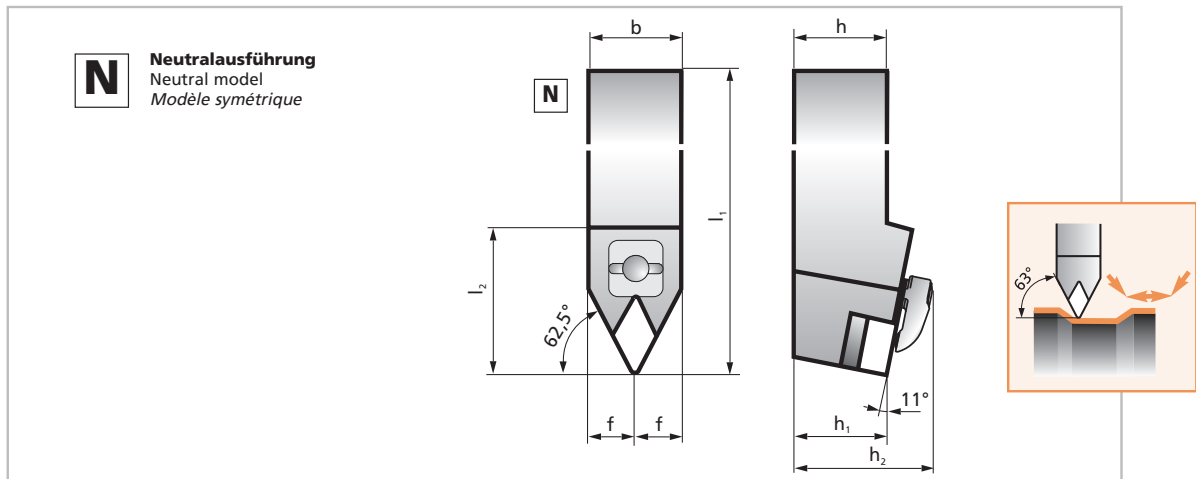
Cermet • Cermet • Cermet 59 - 67

WURBON® • WURBON® • WURBON® 85 - 89

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

IKS-Drehwerkzeuge

IKS Tools for turning
Porte-outils IKS pour le tournage



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

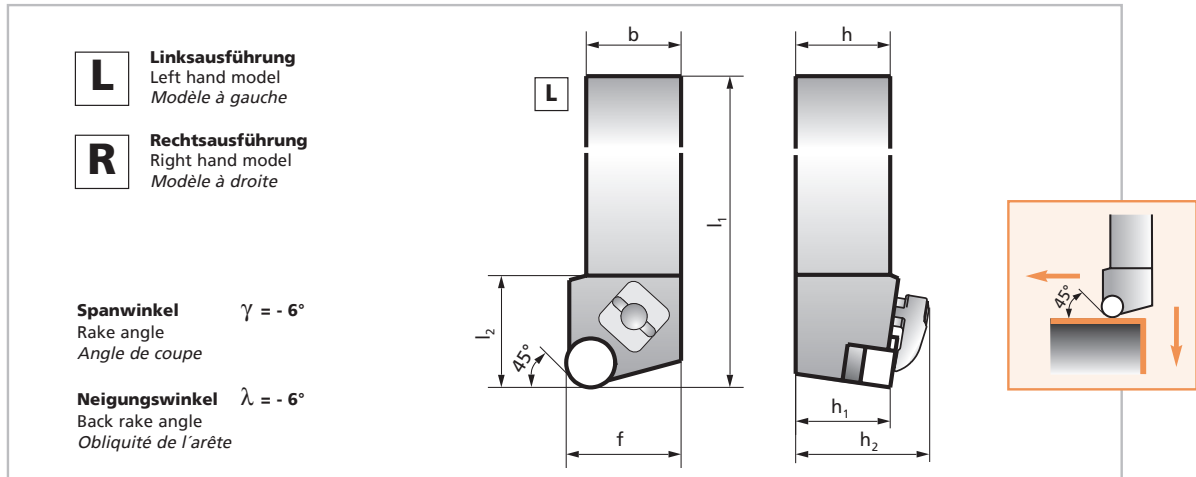
CDNN □ 2525 CDNN □ 3225
PDNN □ 2525 PDNN □ 3225

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

Schnittdatenempfehlungen • Cutting data recommendations • Recommandations de conditions de coupe

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

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



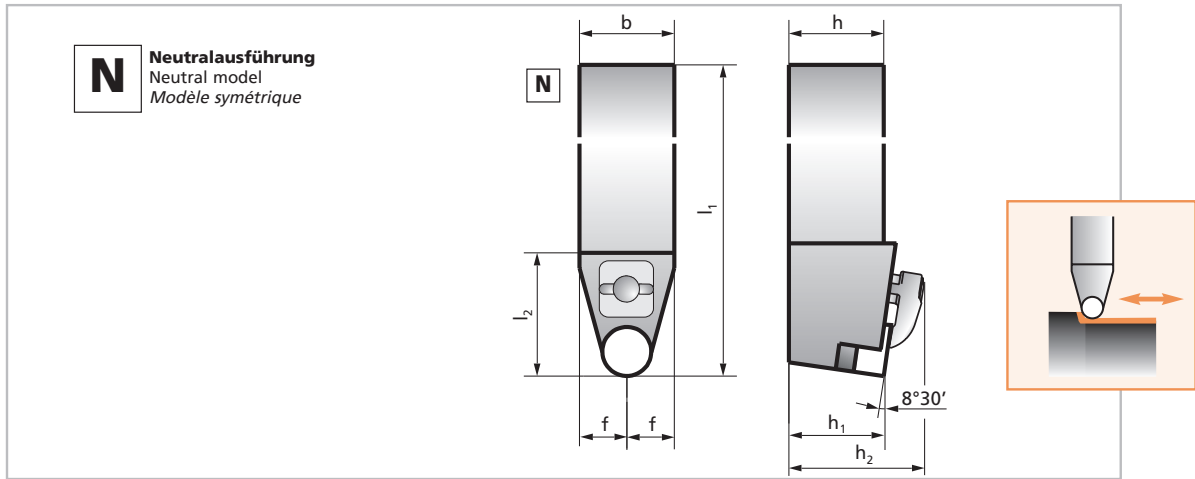
SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)						
		h=h ₁	b	l ₁	l ₂	f	h ₂	D _{min}
RN . . 12	2525	25	25	150	28	32	40	400
	3225	32	25	170	28	32	47	450

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



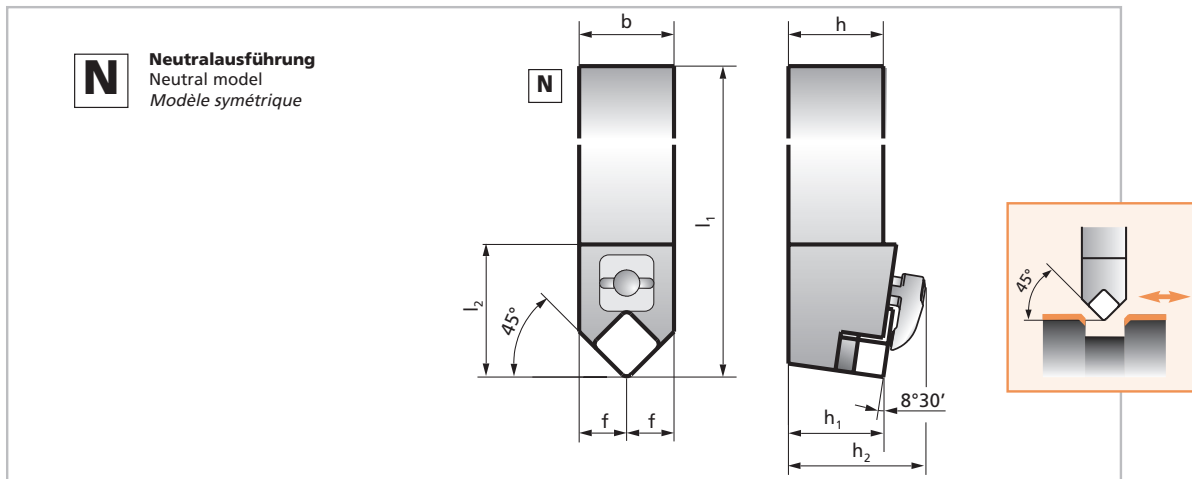
SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)						
		h=h ₁	b	l ₁	l ₂	f	h ₂	D _{min}
RN . . 12	2525	25	25	150	32	12,5	40	300
	3225	32	25	170	35	12,5	47	350

Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
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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		
					
RN . N 12 04 .. 	CRDN N 2525 M 12 - ID 4 CRDN N 3225 P 12 - ID 4	711.46.001.02	70.91.15.001.0	70.91.22.034.0	
		711.46.002.02	70.91.15.001.0	70.91.22.034.0	
RN . N 12 07 .. 	CRDN N 2525 M 12 - ID 7 CRDN N 3225 P 12 - ID 7	711.46.001.01	70.91.15.001.0	70.91.22.033.0	
		711.46.002.01	70.91.15.001.0	70.91.22.033.0	
RN . A 12 04 .. 	PRDN N 2525 M 12 - IP 4 PRDN N 3225 P 12 - IP 4	711.46.001.08	70.91.15.001.0		70.91.26.043.6
		711.46.002.08	70.91.15.001.0		

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	711.06.002.04	70.91.15.002.0	70.91.22.011.0	
	CSDN N 3225 P 12 - IC 4	711.06.003.04	70.91.15.002.0	70.91.22.011.0	
	CSDN N 2525 M 12 - ID 4	711.06.002.02	70.91.15.005.0	70.91.22.011.0	
	CSDN N 3225 P 12 - ID 4	711.06.003.02	70.91.15.005.0	70.91.22.011.0	
SN . N 12 07 .. 	CSDN N 2525 M 12 - IC 7	711.06.002.03	70.91.15.002.0	70.91.22.010.0	
	CSDN N 3225 P 12 - IC 7	711.06.003.03	70.91.15.002.0	70.91.22.010.0	
	CSDN N 2525 M 12 - ID 7	711.06.002.01	70.91.15.005.0	70.91.22.010.0	
	CSDN N 3225 P 12 - ID 7	711.06.003.01	70.91.15.005.0	70.91.22.010.0	
IKS - PRO SN . X 12 04 ..  SN . X 12 07 .. 	CSDN N 2525 M 12 - IK 4	711.06.002.29	70.91.11.718.6	70.91.22.011.0	
	CSDN N 3225 P 12 - IK 4	711.06.003.29	70.91.11.718.6	70.91.22.011.0	
	CSDN N 2525 M 12 - IK 7	711.06.002.25	70.91.11.718.6	70.91.22.010.0	
	CSDN N 3225 P 12 - IK 7	711.06.003.25	70.91.11.718.6	70.91.22.010.0	
SN . X 12 07 .. 	CSDN N 2525 M 12 - IX 7	711.06.002.05	70.91.11.316.0	70.91.22.010.0	
	CSDN N 3225 P 12 - IX 7	711.06.003.05	70.91.11.316.0	70.91.22.010.0	
SN . A 12 04 .. 	PSDN N 2525 M 12 - IP 4	711.06.002.08	70.91.15.005.0		70.91.26.007.6
	PSDN N 3225 P 12 - IP 4	711.06.003.08	70.91.15.005.0		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

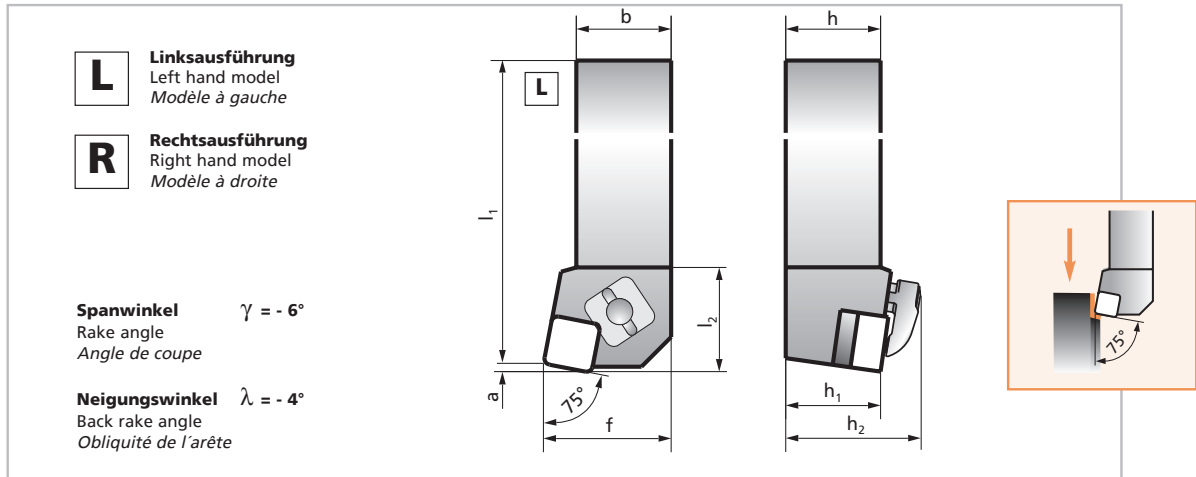
Keramik • Ceramic • Céramique 16 - 21 **Cermet • Cermet • Cermet** 59 - 67 **WURBON® • WURBON® • WURBON®** 85 - 89

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 ..  SN . N 15 07 .. 	CSDN N 2525 M 15 - IC 4 CSDN N 3225 P 15 - IC 4 CSDN N 2525 M 15 - ID 4 CSDN N 3225 P 15 - ID 4	711.06.006.04	70.91.15.006.0	70.91.22.013.0	
		711.06.007.04	70.91.15.006.0	70.91.22.013.0	
		711.06.006.02	70.91.15.005.0	70.91.22.013.0	
		711.06.007.02	70.91.15.005.0	70.91.22.013.0	
	CSDN N 2525 M 15 - IC 7 CSDN N 3225 P 15 - IC 7 CSDN N 2525 M 15 - ID 7 CSDN N 3225 P 15 - ID 7	711.06.006.03	70.91.15.006.0	70.91.22.012.0	
		711.06.007.03	70.91.15.006.0	70.91.22.012.0	
		711.06.006.01	70.91.15.005.0	70.91.22.012.0	
		711.06.007.01	70.91.15.005.0	70.91.22.012.0	
IKS - PRO SN . X 15 07 .. 	CSDN N 2525 M 15 - IK 7 CSDN N 3225 P 15 - IK 7	711.06.006.25	70.91.11.718.6	70.91.22.012.0	
		711.06.007.25	70.91.11.718.6	70.91.22.012.0	
	CSDN N 2525 M 15 - IX 7 CSDN N 3225 P 15 - IX 7	711.06.006.05	70.91.11.316.0	70.91.22.012.0	
		711.06.007.05	70.91.11.316.0	70.91.22.012.0	

IKS-Drehwerkzeuge

IKS Tools for turning

Porte-outils IKS pour le tournage



SPK-Schneidplatte SPK Insert Plaque 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	
		711.03.003.04	70.91.15.004.0	70.91.22.011.0	
		711.04.004.04	70.91.15.003.0	70.91.22.011.0	
		711.03.004.04	70.91.15.004.0	70.91.22.011.0	
		711.04.003.02	70.91.15.005.0	70.91.22.011.0	
		711.03.003.02	70.91.15.005.0	70.91.22.011.0	
		711.04.004.02	70.91.15.005.0	70.91.22.011.0	
		711.03.004.02	70.91.15.005.0	70.91.22.011.0	
	CSKN L 2525 M 12 - ID 4	711.04.003.02	70.91.15.005.0	70.91.22.011.0	
		711.03.003.02	70.91.15.005.0	70.91.22.011.0	
		711.04.004.02	70.91.15.005.0	70.91.22.011.0	
		711.03.004.02	70.91.15.005.0	70.91.22.011.0	
	CSKN L 3225 P 12 - IC 4	711.04.003.03	70.91.15.003.0	70.91.22.010.0	
		711.03.003.03	70.91.15.004.0	70.91.22.010.0	
SN . N 12 07 .. 	CSKN L 2525 M 12 - IC 7	711.04.004.03	70.91.15.003.0	70.91.22.010.0	
		711.03.004.03	70.91.15.004.0	70.91.22.010.0	
		711.04.003.01	70.91.15.005.0	70.91.22.010.0	
		711.03.003.01	70.91.15.005.0	70.91.22.010.0	
		711.04.004.01	70.91.15.005.0	70.91.22.010.0	
		711.03.004.01	70.91.15.005.0	70.91.22.010.0	
	CSKN L 2525 M 12 - ID 7	711.04.003.29	70.91.11.718.6	70.91.22.011.0	
		711.03.003.29	70.91.11.718.6	70.91.22.011.0	
		711.04.004.29	70.91.11.718.6	70.91.22.011.0	
		711.03.004.29	70.91.11.718.6	70.91.22.011.0	
	CSKN L 2525 M 12 - IK 7	711.04.003.25	70.91.11.718.6	70.91.22.010.0	
		711.03.003.25	70.91.11.718.6	70.91.22.010.0	
IKS - PRO SN . X 12 07 .. 	CSKN L 2525 M 12 - IK 7	711.04.004.25	70.91.11.718.6	70.91.22.010.0	
		711.03.004.25	70.91.11.718.6	70.91.22.010.0	
		711.04.003.05	70.91.11.316.0	70.91.22.010.0	
		711.03.003.05	70.91.11.316.0	70.91.22.010.0	
		711.04.004.05	70.91.11.316.0	70.91.22.010.0	
		711.03.004.05	70.91.11.316.0	70.91.22.010.0	
	CSKN L 2525 M 12 - IX 7	711.04.003.08	70.91.15.005.0		70.91.26.007.6
		711.03.003.08	70.91.15.005.0		70.91.26.007.6
		711.04.004.08	70.91.15.005.0		70.91.26.007.6
		711.03.004.08	70.91.15.005.0		70.91.26.007.6
	PSKN L 2525 M 12 - IP 4	711.04.003.08	70.91.15.005.0		70.91.26.007.6
		711.03.003.08	70.91.15.005.0		70.91.26.007.6
SN . X 12 04 .. 	CSKN L 2525 M 12 - IK 4	711.04.003.29	70.91.11.718.6	70.91.22.011.0	
		711.03.003.29	70.91.11.718.6	70.91.22.011.0	
		711.04.004.29	70.91.11.718.6	70.91.22.011.0	
		711.03.004.29	70.91.11.718.6	70.91.22.011.0	
	CSKN L 2525 M 12 - IX 7	711.04.003.05	70.91.11.316.0	70.91.22.010.0	
		711.03.003.05	70.91.11.316.0	70.91.22.010.0	
		711.04.004.05	70.91.11.316.0	70.91.22.010.0	
		711.03.004.05	70.91.11.316.0	70.91.22.010.0	
	PSKN L 2525 M 12 - IP 4	711.04.003.08	70.91.15.005.0		70.91.26.007.6
		711.03.003.08	70.91.15.005.0		70.91.26.007.6
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
		711.03.003.08	70.91.15.005.0		70.91.26.007.6
		711.04.004.08	70.91.15.005.0		70.91.26.007.6
		711.03.004.08	70.91.15.005.0		70.91.26.007.6
	PSKN R 2525 M 12 - IP 4	711.04.003.08	70.91.15.005.0		70.91.26.007.6
		711.03.003.08	70.91.15.005.0		70.91.26.007.6
		711.04.004.08	70.91.15.005.0		70.91.26.007.6
		711.03.004.08	70.91.15.005.0		70.91.26.007.6
	PSKN R 3225 P 12 - IP 4	711.04.003.08	70.91.15.005.0		70.91.26.007.6
		711.03.003.08	70.91.15.005.0		70.91.26.007.6

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

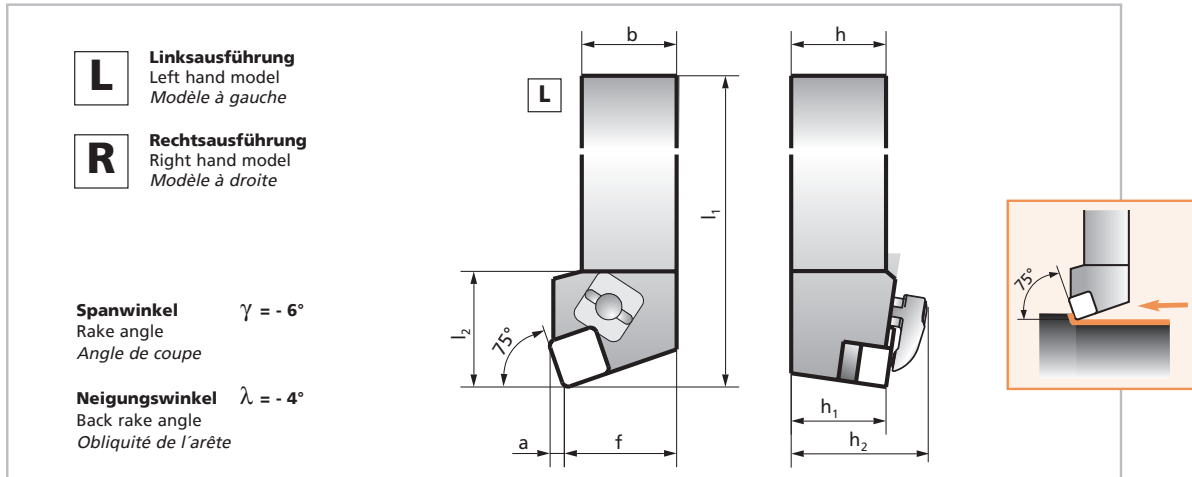
WURBON® • WURBON® • WURBON® 85 - 89

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	
		711.03.005.04	70.91.15.008.0	70.91.22.013.0	
		711.04.006.04	70.91.15.007.0	70.91.22.013.0	
		711.03.006.04	70.91.15.008.0	70.91.22.013.0	
		711.04.005.02	70.91.15.005.0	70.91.22.013.0	
		711.03.005.02	70.91.15.005.0	70.91.22.013.0	
		711.04.006.02	70.91.15.005.0	70.91.22.013.0	
		711.03.006.02	70.91.15.005.0	70.91.22.013.0	
	CSKN R 2525 M 15 - IC 4	711.04.005.03	70.91.15.007.0	70.91.22.012.0	
		711.03.005.03	70.91.15.008.0	70.91.22.012.0	
		711.04.006.03	70.91.15.007.0	70.91.22.012.0	
		711.03.006.03	70.91.15.008.0	70.91.22.012.0	
		711.04.005.01	70.91.15.005.0	70.91.22.012.0	
		711.03.005.01	70.91.15.005.0	70.91.22.012.0	
SN . N 15 07 .. 	CSKN L 2525 M 15 - ID 4	711.04.006.01	70.91.15.005.0	70.91.22.012.0	
		711.03.006.01	70.91.15.005.0	70.91.22.012.0	
		711.04.005.01	70.91.15.005.0	70.91.22.012.0	
		711.03.005.01	70.91.15.005.0	70.91.22.012.0	
		711.04.006.01	70.91.15.005.0	70.91.22.012.0	
		711.03.006.01	70.91.15.005.0	70.91.22.012.0	
	CSKN R 2525 M 15 - ID 4	711.04.005.05	70.91.11.718.6	70.91.22.012.0	
		711.03.005.05	70.91.11.718.6	70.91.22.012.0	
		711.04.006.05	70.91.11.718.6	70.91.22.012.0	
		711.03.006.05	70.91.11.718.6	70.91.22.012.0	
		711.04.005.05	70.91.11.718.6	70.91.22.012.0	
		711.03.005.05	70.91.11.718.6	70.91.22.012.0	
		711.04.006.05	70.91.11.718.6	70.91.22.012.0	
		711.03.006.05	70.91.11.718.6	70.91.22.012.0	
SN . X 15 07 .. 	CSKN L 2525 M 15 - IK 7	711.04.005.25	70.91.11.718.6	70.91.22.012.0	
		711.03.005.25	70.91.11.718.6	70.91.22.012.0	
		711.04.006.25	70.91.11.718.6	70.91.22.012.0	
		711.03.006.25	70.91.11.718.6	70.91.22.012.0	
		711.04.005.25	70.91.11.718.6	70.91.22.012.0	
		711.03.005.25	70.91.11.718.6	70.91.22.012.0	
		711.04.006.25	70.91.11.718.6	70.91.22.012.0	
		711.03.006.25	70.91.11.718.6	70.91.22.012.0	
	CSKN R 2525 M 15 - IK 7	711.04.005.05	70.91.11.316.0	70.91.22.012.0	
		711.03.005.05	70.91.11.316.0	70.91.22.012.0	
		711.04.006.05	70.91.11.316.0	70.91.22.012.0	
		711.03.006.05	70.91.11.316.0	70.91.22.012.0	
		711.04.005.05	70.91.11.316.0	70.91.22.012.0	
		711.03.005.05	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 .. 	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	
		711.03.010.29	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	
		711.03.010.25	70.91.11.718.6	70.91.22.010.0	
	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
PSRN □ 2525

CSRN □ 3225
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

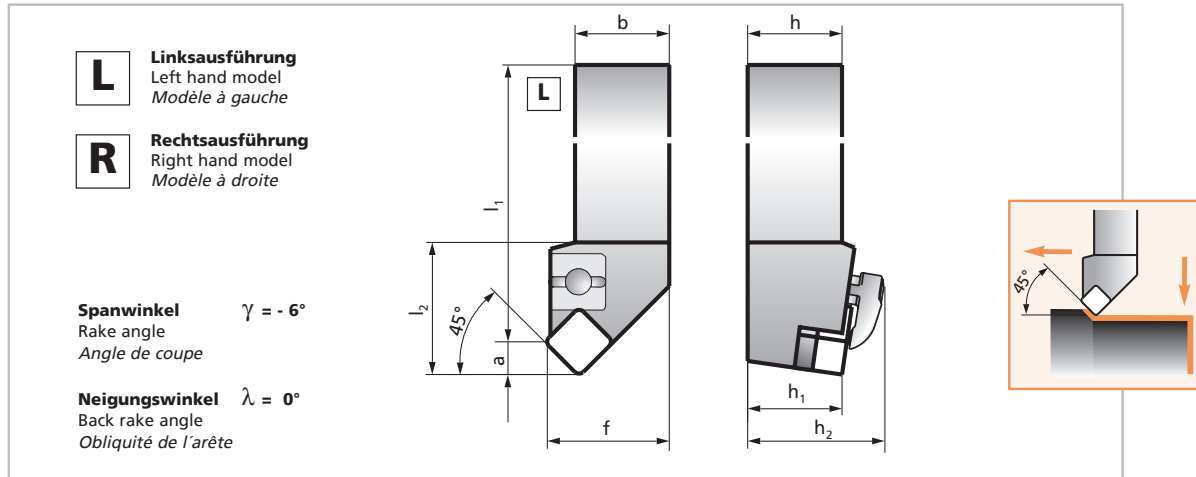
Keramik • Ceramic • Céramique 16 - 21 **Cermet • Cermet • Cermet** 59 - 67 **WURBON® • WURBON® • WURBON®** 85 - 89

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 CSRN R 2525 M 15 - IC 4 CSRN L 3225 P 15 - IC 4 CSRN R 3225 P 15 - IC 4 CSRN L 2525 M 15 - ID 4 CSRN R 2525 M 15 - ID 4 CSRN L 3225 P 15 - ID 4 CSRN R 3225 P 15 - ID 4	711.04.011.04	70.91.15.008.0	70.91.22.013.0	
		711.03.011.04	70.91.15.007.0	70.91.22.013.0	
		711.04.012.04	70.91.15.008.0	70.91.22.013.0	
		711.03.012.04	70.91.15.007.0	70.91.22.013.0	
		711.04.011.02	70.91.15.005.0	70.91.22.013.0	
		711.03.011.02	70.91.15.005.0	70.91.22.013.0	
		711.04.012.02	70.91.15.005.0	70.91.22.013.0	
		711.03.012.02	70.91.15.005.0	70.91.22.013.0	
	CSRN L 2525 M 15 - IC 7 CSRN R 2525 M 15 - IC 7 CSRN L 3225 P 15 - IC 7 CSRN R 3225 P 15 - IC 7 CSRN L 2525 M 15 - ID 7 CSRN R 2525 M 15 - ID 7 CSRN L 3225 P 15 - ID 7 CSRN R 3225 P 15 - ID 7	711.04.011.03	70.91.15.008.0	70.91.22.012.0	
		711.03.011.03	70.91.15.007.0	70.91.22.012.0	
		711.04.012.03	70.91.15.008.0	70.91.22.012.0	
		711.03.012.03	70.91.15.007.0	70.91.22.012.0	
		711.04.011.01	70.91.15.005.0	70.91.22.012.0	
		711.03.011.01	70.91.15.005.0	70.91.22.012.0	
IKS - PRO SN . X 15 07 .. 	CSRN L 2525 M 15 - IK 7 CSRN R 2525 M 15 - IK 7 CSRN L 3225 P 15 - IK 7 CSRN R 3225 P 15 - IK 7	711.04.011.25	70.91.11.718.6	70.91.22.012.0	
		711.03.011.25	70.91.11.718.6	70.91.22.012.0	
		711.04.012.25	70.91.11.718.6	70.91.22.012.0	
		711.03.012.25	70.91.11.718.6	70.91.22.012.0	
	CSRN L 2525 M 15 - IX 7 CSRN R 2525 M 15 - IX 7 CSRN L 3225 P 15 - IX 7 CSRN R 3225 P 15 - IX 7	711.04.011.05	70.91.11.316.0	70.91.22.012.0	
		711.03.011.05	70.91.11.316.0	70.91.22.012.0	
		711.04.012.05	70.91.11.316.0	70.91.22.012.0	
		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 CSSN R 2525 M 12 - IC 4 CSSN L 3225 P 12 - IC 4 CSSN R 3225 P 12 - IC 4 CSSN L 2525 M 12 - ID 4 CSSN R 2525 M 12 - ID 4 CSSN L 3225 P 12 - ID 4 CSSN R 3225 P 12 - ID 4	711.04.001.04	70.91.15.004.0	70.91.22.011.0	
		711.03.001.04	70.91.15.003.0	70.91.22.011.0	
		711.04.002.04	70.91.15.004.0	70.91.22.011.0	
		711.03.002.04	70.91.15.003.0	70.91.22.011.0	
		711.04.001.02	70.91.15.005.0	70.91.22.011.0	
		711.03.001.02	70.91.15.005.0	70.91.22.011.0	
		711.04.002.02	70.91.15.005.0	70.91.22.011.0	
		711.03.002.02	70.91.15.005.0	70.91.22.011.0	
	CSSN L 2525 M 12 - IC 7 CSSN R 2525 M 12 - IC 7 CSSN L 3225 P 12 - IC 7 CSSN R 3225 P 12 - IC 7 CSSN L 2525 M 12 - ID 7 CSSN R 2525 M 12 - ID 7 CSSN L 3225 P 12 - ID 7 CSSN R 3225 P 12 - ID 7	711.04.001.03	70.91.15.004.0	70.91.22.010.0	
		711.03.001.03	70.91.15.003.0	70.91.22.010.0	
		711.04.002.03	70.91.15.004.0	70.91.22.010.0	
		711.03.002.03	70.91.15.003.0	70.91.22.010.0	
		711.04.001.01	70.91.15.005.0	70.91.22.010.0	
		711.03.001.01	70.91.15.005.0	70.91.22.010.0	
		711.04.002.01	70.91.15.005.0	70.91.22.010.0	
		711.03.002.01	70.91.15.005.0	70.91.22.010.0	
IKS - PRO SN . X 12 04 ..  SN . X 12 07 .. 	CSSN L 2525 M 12 - IK 4 CSSN R 2525 M 12 - IK 4 CSSN L 3225 P 12 - IK 4 CSSN R 3225 P 12 - IK 4	711.04.001.29	70.91.11.718.6	70.91.22.011.0	
		711.03.001.29	70.91.11.718.6	70.91.22.011.0	
		711.04.002.29	70.91.11.718.6	70.91.22.011.0	
		711.03.002.29	70.91.11.718.6	70.91.22.011.0	
	CSSN L 2525 M 12 - IK 7 CSSN R 2525 M 12 - IK 7 CSSN L 3225 P 12 - IK 7 CSSN R 3225 P 12 - IK 7	711.04.001.25	70.91.11.718.6	70.91.22.010.0	
		711.03.001.25	70.91.11.718.6	70.91.22.010.0	
		711.04.002.25	70.91.11.718.6	70.91.22.010.0	
		711.03.002.25	70.91.11.718.6	70.91.22.010.0	
	CSSN L 2525 M 12 - IX 7 CSSN R 2525 M 12 - IX 7 CSSN L 3225 P 12 - IX 7 CSSN R 3225 P 12 - IX 7	711.04.001.05	70.91.11.316.0	70.91.22.010.0	
		711.03.001.05	70.91.11.316.0	70.91.22.010.0	
		711.04.002.05	70.91.11.316.0	70.91.22.010.0	
		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 PSSN R 2525 M 12 - IP 4 PSSN L 3225 P 12 - IP 4 PSSN R 3225 P 12 - IP 4	711.04.001.08	70.91.15.005.0		70.91.26.007.6
		711.03.001.08	70.91.15.005.0		70.91.26.007.6
		711.04.002.08	70.91.15.005.0		70.91.26.007.6
		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

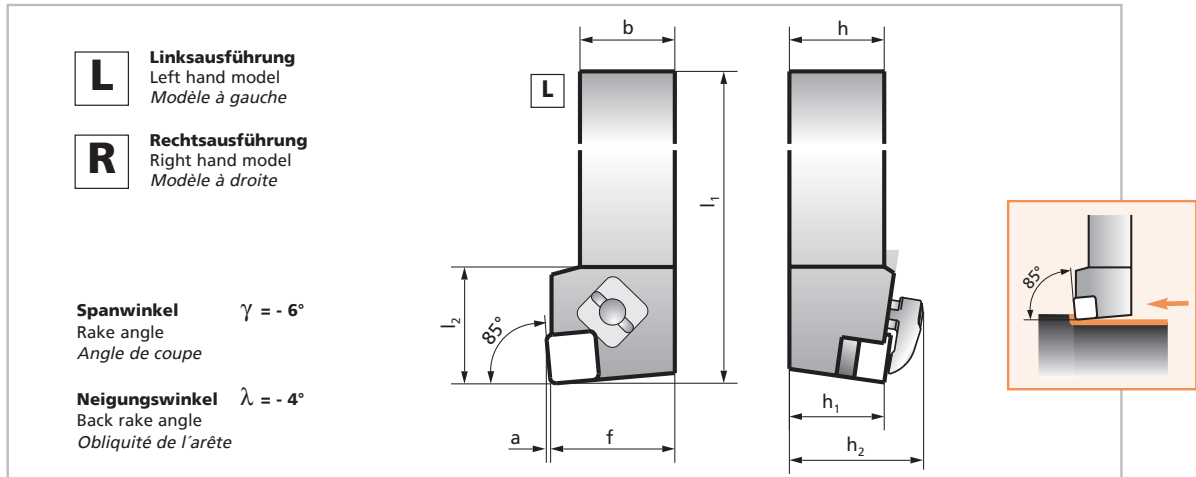
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SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
					
SN . N 15 04 .. 	CSSN L 2525 M 15 - IC 4	711.04.007.04	70.91.15.008.0	70.91.22.013.0	
		711.03.007.04	70.91.15.007.0	70.91.22.013.0	
		711.04.008.04	70.91.15.008.0	70.91.22.013.0	
		711.03.008.04	70.91.15.007.0	70.91.22.013.0	
		711.04.007.02	70.91.15.005.0	70.91.22.013.0	
		711.03.007.02	70.91.15.005.0	70.91.22.013.0	
		711.04.008.02	70.91.15.005.0	70.91.22.013.0	
		711.03.008.02	70.91.15.005.0	70.91.22.013.0	
	CSSN R 2525 M 15 - IC 4	711.04.007.03	70.91.15.008.0	70.91.22.012.0	
		711.03.007.03	70.91.15.007.0	70.91.22.012.0	
		711.04.008.03	70.91.15.008.0	70.91.22.012.0	
		711.03.008.03	70.91.15.007.0	70.91.22.012.0	
		711.04.007.01	70.91.15.005.0	70.91.22.012.0	
		711.03.007.01	70.91.15.005.0	70.91.22.012.0	
SN . N 15 07 .. 	CSSN L 2525 M 15 - ID 4	711.04.008.01	70.91.15.005.0	70.91.22.012.0	
		711.03.008.01	70.91.15.005.0	70.91.22.012.0	
	CSSN R 2525 M 15 - ID 4	711.04.007.03	70.91.15.008.0	70.91.22.012.0	
		711.03.007.03	70.91.15.007.0	70.91.22.012.0	
		711.04.008.03	70.91.15.008.0	70.91.22.012.0	
		711.03.008.03	70.91.15.007.0	70.91.22.012.0	
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	
		711.03.007.25	70.91.11.718.6	70.91.22.012.0	
		711.04.008.25	70.91.11.718.6	70.91.22.012.0	
		711.03.008.25	70.91.11.718.6	70.91.22.012.0	
	CSSN R 2525 M 15 - IK 7	711.04.007.25	70.91.11.718.6	70.91.22.012.0	
		711.03.007.25	70.91.11.718.6	70.91.22.012.0	
		711.04.008.25	70.91.11.718.6	70.91.22.012.0	
		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	
		711.03.007.05	70.91.11.316.0	70.91.22.012.0	
		711.04.008.05	70.91.11.316.0	70.91.22.012.0	
		711.03.008.05	70.91.11.316.0	70.91.22.012.0	
	CSSN R 2525 M 15 - IX 7	711.04.007.05	70.91.11.316.0	70.91.22.012.0	
		711.03.007.05	70.91.11.316.0	70.91.22.012.0	
		711.04.008.05	70.91.11.316.0	70.91.22.012.0	
		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 Plaque 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	
		711.03.014.04	70.91.15.003.0	70.91.22.011.0	
		711.04.015.04	70.91.15.004.0	70.91.22.011.0	
		711.03.015.04	70.91.15.003.0	70.91.22.011.0	
		711.04.014.02	70.91.15.005.0	70.91.22.011.0	
		711.03.014.02	70.91.15.005.0	70.91.22.011.0	
		711.04.015.02	70.91.15.005.0	70.91.22.011.0	
		711.03.015.02	70.91.15.005.0	70.91.22.011.0	
	CSXN L 2525 M 12 - ID 4	711.04.014.03	70.91.15.004.0	70.91.22.010.0	
		711.03.014.03	70.91.15.003.0	70.91.22.010.0	
		711.04.015.03	70.91.15.004.0	70.91.22.010.0	
		711.03.015.03	70.91.15.003.0	70.91.22.010.0	
		711.04.014.01	70.91.15.005.0	70.91.22.010.0	
		711.03.014.01	70.91.15.005.0	70.91.22.010.0	
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	
		711.03.014.03	70.91.15.003.0	70.91.22.010.0	
		711.04.015.03	70.91.15.004.0	70.91.22.010.0	
		711.03.015.03	70.91.15.003.0	70.91.22.010.0	
		711.04.014.01	70.91.15.005.0	70.91.22.010.0	
		711.03.014.01	70.91.15.005.0	70.91.22.010.0	
		711.04.015.01	70.91.15.005.0	70.91.22.010.0	
		711.03.015.01	70.91.15.005.0	70.91.22.010.0	
	CSXN L 2525 M 12 - ID 7	711.04.014.29	70.91.11.718.6	70.91.22.011.0	
		711.03.014.29	70.91.11.718.6	70.91.22.011.0	
		711.04.015.29	70.91.11.718.6	70.91.22.011.0	
		711.03.015.29	70.91.11.718.6	70.91.22.011.0	
		711.04.014.25	70.91.11.718.6	70.91.22.010.0	
		711.03.014.25	70.91.11.718.6	70.91.22.010.0	
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	
		711.03.014.29	70.91.11.718.6	70.91.22.011.0	
		711.04.015.29	70.91.11.718.6	70.91.22.011.0	
		711.03.015.29	70.91.11.718.6	70.91.22.011.0	
		711.04.014.25	70.91.11.718.6	70.91.22.010.0	
		711.03.014.25	70.91.11.718.6	70.91.22.010.0	
		711.04.015.25	70.91.11.718.6	70.91.22.010.0	
		711.03.015.25	70.91.11.718.6	70.91.22.010.0	
	CSXN L 2525 M 12 - IK 7	711.04.014.05	70.91.11.316.0	70.91.22.010.0	
		711.03.014.05	70.91.11.316.0	70.91.22.010.0	
		711.04.015.05	70.91.11.316.0	70.91.22.010.0	
		711.03.015.05	70.91.11.316.0	70.91.22.010.0	
		711.04.014.08	70.91.15.005.0	70.91.26.007.6	
		711.03.014.08	70.91.15.005.0	70.91.26.007.6	
SN . X 12 07 .. 	CSXN L 2525 M 12 - IK 7	711.04.014.05	70.91.11.316.0	70.91.22.010.0	
		711.03.014.05	70.91.11.316.0	70.91.22.010.0	
		711.04.015.05	70.91.11.316.0	70.91.22.010.0	
		711.03.015.05	70.91.11.316.0	70.91.22.010.0	
		711.04.014.08	70.91.15.005.0	70.91.26.007.6	
		711.03.014.08	70.91.15.005.0	70.91.26.007.6	
		711.04.015.08	70.91.15.005.0	70.91.26.007.6	
		711.03.015.08	70.91.15.005.0	70.91.26.007.6	
	PSXN L 2525 M 12 - IP 4	711.04.014.08	70.91.15.005.0	70.91.26.007.6	
		711.03.014.08	70.91.15.005.0	70.91.26.007.6	
		711.04.015.08	70.91.15.005.0	70.91.26.007.6	
		711.03.015.08	70.91.15.005.0	70.91.26.007.6	
		711.04.014.08	70.91.15.005.0	70.91.26.007.6	
		711.03.014.08	70.91.15.005.0	70.91.26.007.6	
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	
		711.03.014.05	70.91.11.316.0	70.91.22.010.0	
		711.04.015.05	70.91.11.316.0	70.91.22.010.0	
		711.03.015.05	70.91.11.316.0	70.91.22.010.0	
		711.04.014.08	70.91.15.005.0	70.91.26.007.6	
		711.03.014.08	70.91.15.005.0	70.91.26.007.6	
		711.04.015.08	70.91.15.005.0	70.91.26.007.6	
		711.03.015.08	70.91.15.005.0	70.91.26.007.6	
	PSXN L 2525 M 12 - IP 4	711.04.014.08	70.91.15.005.0	70.91.26.007.6	
		711.03.014.08	70.91.15.005.0	70.91.26.007.6	
		711.04.015.08	70.91.15.005.0	70.91.26.007.6	
		711.03.015.08	70.91.15.005.0	70.91.26.007.6	
		711.04.014.08	70.91.15.005.0	70.91.26.007.6	
		711.03.014.08	70.91.15.005.0	70.91.26.007.6	
SN . A 12 04 .. 	CSXN L 2525 M 12 - IX 7	711.04.014.05	70.91.11.316.0	70.91.22.010.0	
		711.03.014.05	70.91.11.316.0	70.91.22.010.0	
		711.04.015.05	70.91.11.316.0	70.91.22.010.0	
		711.03.015.05	70.91.11.316.0	70.91.22.010.0	
		711.04.014.08	70.91.15.005.0	70.91.26.007.6	
		711.03.014.08	70.91.15.005.0	70.91.26.007.6	
		711.04.015.08	70.91.15.005.0	70.91.26.007.6	
		711.03.015.08	70.91.15.005.0	70.91.26.007.6	
	PSXN L 2525 M 12 - IP 4	711.04.014.08	70.91.15.005.0	70.91.26.007.6	
		711.03.014.08	70.91.15.005.0	70.91.26.007.6	
		711.04.015.08	70.91.15.005.0	70.91.26.007.6	
		711.03.015.08	70.91.15.005.0	70.91.26.007.6	
		711.04.014.08	70.91.15.005.0	70.91.26.007.6	
		711.03.014.08	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

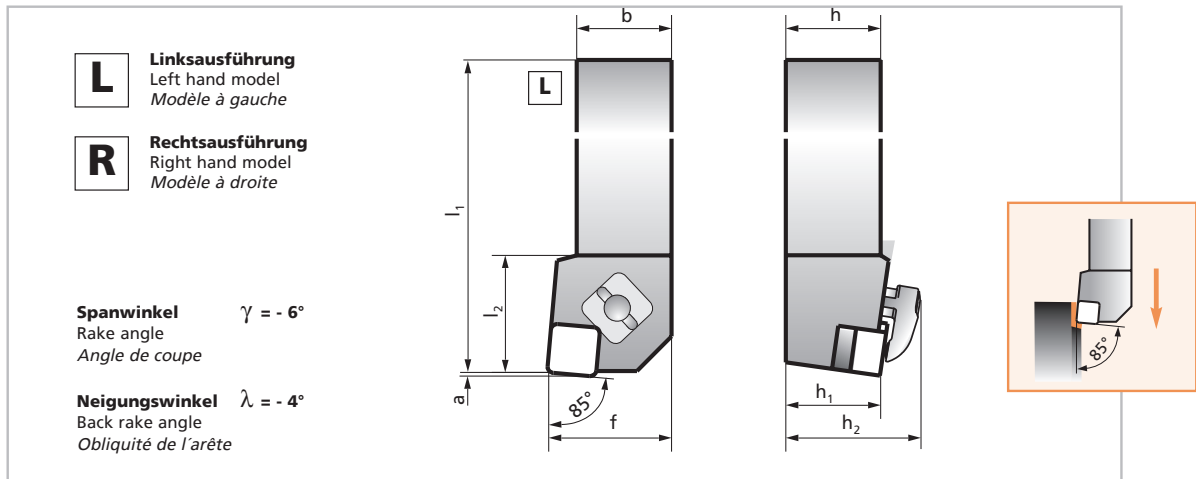
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SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
					
SN . N 15 04 .. 	CSXN L 2525 M 15 - IC 4	711.04.019.04	70.91.15.008.0	70.91.22.013.0	
		711.03.019.04	70.91.15.007.0	70.91.22.013.0	
		711.04.020.04	70.91.15.008.0	70.91.22.013.0	
		711.03.020.04	70.91.15.007.0	70.91.22.013.0	
		711.04.019.02	70.91.15.005.0	70.91.22.013.0	
		711.03.019.02	70.91.15.005.0	70.91.22.013.0	
		711.04.020.02	70.91.15.005.0	70.91.22.013.0	
		711.03.020.02	70.91.15.005.0	70.91.22.013.0	
	CSXN R 2525 M 15 - IC 4	711.04.019.03	70.91.15.008.0	70.91.22.012.0	
		711.03.019.03	70.91.15.007.0	70.91.22.012.0	
		711.04.020.03	70.91.15.008.0	70.91.22.012.0	
		711.03.020.03	70.91.15.007.0	70.91.22.012.0	
		711.04.019.01	70.91.15.005.0	70.91.22.012.0	
		711.03.019.01	70.91.15.005.0	70.91.22.012.0	
SN . N 15 07 .. 	CSXN L 2525 M 15 - ID 4	711.04.020.01	70.91.15.005.0	70.91.22.012.0	
		711.03.020.01	70.91.15.005.0	70.91.22.012.0	
	CSXN R 2525 M 15 - ID 4	711.04.019.03	70.91.15.008.0	70.91.22.012.0	
		711.03.019.03	70.91.15.007.0	70.91.22.012.0	
		711.04.020.03	70.91.15.008.0	70.91.22.012.0	
		711.03.020.03	70.91.15.007.0	70.91.22.012.0	
SN . X 15 07 .. 	CSXN L 2525 M 15 - IK 7	711.04.019.01	70.91.15.005.0	70.91.22.012.0	
		711.03.019.01	70.91.15.005.0	70.91.22.012.0	
		711.04.020.01	70.91.15.005.0	70.91.22.012.0	
		711.03.020.01	70.91.15.005.0	70.91.22.012.0	
	CSXN R 2525 M 15 - IK 7	711.04.019.25	70.91.11.718.6	70.91.22.012.0	
		711.03.019.25	70.91.11.718.6	70.91.22.012.0	
		711.04.020.25	70.91.11.718.6	70.91.22.012.0	
		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	
		711.03.019.05	70.91.11.316.0	70.91.22.012.0	
		711.04.020.05	70.91.11.316.0	70.91.22.012.0	
		711.03.020.05	70.91.11.316.0	70.91.22.012.0	
	CSXN R 2525 M 15 - IX 7	711.04.019.05	70.91.11.316.0	70.91.22.012.0	
		711.03.019.05	70.91.11.316.0	70.91.22.012.0	
		711.04.020.05	70.91.11.316.0	70.91.22.012.0	
		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 CSYN R 2525 M 12 - IC 4 CSYN L 3225 P 12 - IC 4 CSYN R 3225 P 12 - IC 4 CSYN L 2525 M 12 - ID 4 CSYN R 2525 M 12 - ID 4 CSYN L 3225 P 12 - ID 4 CSYN R 3225 P 12 - ID 4	711.04.016.04	70.91.15.003.0	70.91.22.011.0	
		711.03.016.04	70.91.15.004.0	70.91.22.011.0	
		711.04.017.04	70.91.15.003.0	70.91.22.011.0	
		711.03.017.04	70.91.15.004.0	70.91.22.011.0	
		711.04.016.02	70.91.15.005.0	70.91.22.011.0	
		711.03.016.02	70.91.15.005.0	70.91.22.011.0	
		711.04.017.02	70.91.15.005.0	70.91.22.011.0	
		711.03.017.02	70.91.15.005.0	70.91.22.011.0	
	CSYN L 2525 M 12 - IC 7 CSYN R 2525 M 12 - IC 7 CSYN L 3225 P 12 - IC 7 CSYN R 3225 P 12 - IC 7 CSYN L 2525 M 12 - ID 7 CSYN R 2525 M 12 - ID 7 CSYN L 3225 P 12 - ID 7 CSYN R 3225 P 12 - ID 7	711.04.016.03	70.91.15.003.0	70.91.22.010.0	
		711.03.016.03	70.91.15.004.0	70.91.22.010.0	
		711.04.017.03	70.91.15.003.0	70.91.22.010.0	
		711.03.017.03	70.91.15.004.0	70.91.22.010.0	
		711.04.016.01	70.91.15.005.0	70.91.22.010.0	
		711.03.016.01	70.91.15.005.0	70.91.22.010.0	
		711.04.017.01	70.91.15.005.0	70.91.22.010.0	
		711.03.017.01	70.91.15.005.0	70.91.22.010.0	
IKS - PRO SN . X 12 04 ..  SN . X 12 07 ..  SN . X 12 07 ..  SN . A 12 04 .. 	CSYN L 2525 M 12 - IK 4 CSYN R 2525 M 12 - IK 4 CSYN L 3225 P 12 - IK 4 CSYN R 3225 P 12 - IK 4	711.04.016.29	70.91.11.718.6	70.91.22.011.0	
		711.03.016.29	70.91.11.718.6	70.91.22.011.0	
		711.04.017.29	70.91.11.718.6	70.91.22.011.0	
		711.03.017.29	70.91.11.718.6	70.91.22.011.0	
	CSYN L 2525 M 12 - IK 7 CSYN R 2525 M 12 - IK 7 CSYN L 3225 P 12 - IK 7 CSYN R 3225 P 12 - IK 7	711.04.016.25	70.91.11.718.6	70.91.22.010.0	
		711.03.016.25	70.91.11.718.6	70.91.22.010.0	
		711.04.017.25	70.91.11.718.6	70.91.22.010.0	
		711.03.017.25	70.91.11.718.6	70.91.22.010.0	
	CSYN L 2525 M 12 - IX 7 CSYN R 2525 M 12 - IX 7 CSYN L 3225 P 12 - IX 7 CSYN R 3225 P 12 - IX 7	711.04.016.05	70.91.11.316.0	70.91.22.010.0	
		711.03.016.05	70.91.11.316.0	70.91.22.010.0	
		711.04.017.05	70.91.11.316.0	70.91.22.010.0	
		711.03.017.05	70.91.11.316.0	70.91.22.010.0	
	PSYN L 2525 M 12 - IP 4 PSYN R 2525 M 12 - IP 4 PSYN L 3225 P 12 - IP 4 PSYN R 3225 P 12 - IP 4	711.04.016.08	70.91.15.005.0		70.91.26.007.6
		711.03.016.08	70.91.15.005.0		70.91.26.007.6
		711.04.017.08	70.91.15.005.0		70.91.26.007.6
		711.03.017.08	70.91.15.005.0		70.91.26.007.6

CSYN □ 2525

CSYN □ 3225

PSYN □ 2525

PSYN □ 3225

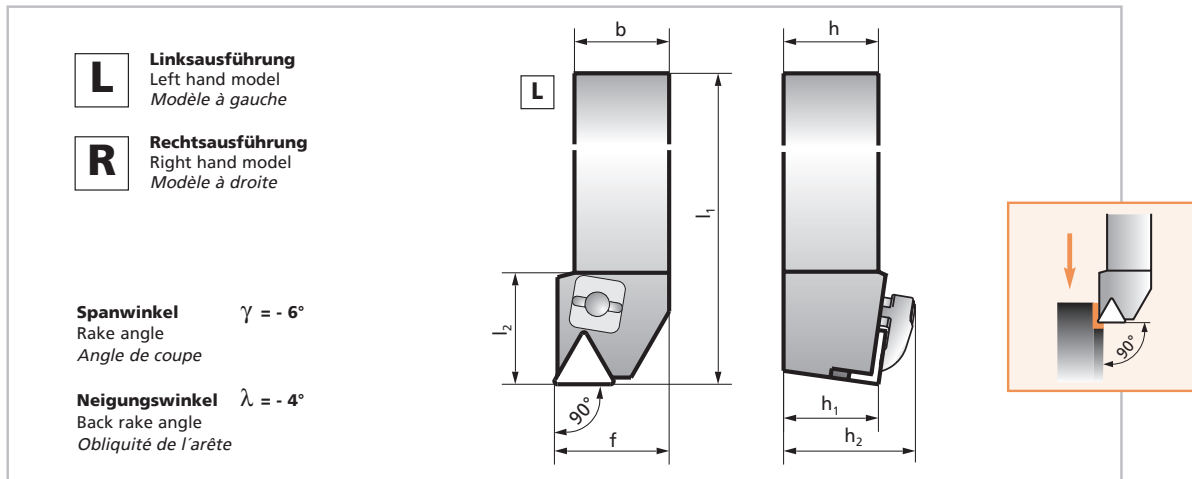
SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)							
		h=h ₁	b	l ₁	l ₂	f	h ₂	a	D _{min}
SN .. 12	2525	25	25	150	27	32	40	1,03	400
	3225	32	25	170	27	32	47	1,03	450
SN .. 15	2525	25	25	150	27	32	40	1,38	400
	3225	32	25	170	27	32	47	1,38	450

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	
		711.03.021.04	70.91.15.008.0	70.91.22.013.0	
		711.04.018.04	70.91.15.007.0	70.91.22.013.0	
		711.03.018.04	70.91.15.008.0	70.91.22.013.0	
		711.04.021.02	70.91.15.005.0	70.91.22.013.0	
		711.03.021.02	70.91.15.005.0	70.91.22.013.0	
		711.04.018.02	70.91.15.005.0	70.91.22.013.0	
		711.03.018.02	70.91.15.005.0	70.91.22.013.0	
	CSYN R 2525 M 15 - IC 4	711.04.021.04	70.91.15.007.0	70.91.22.013.0	
		711.03.021.04	70.91.15.008.0	70.91.22.013.0	
		711.04.018.04	70.91.15.007.0	70.91.22.013.0	
		711.03.018.04	70.91.15.008.0	70.91.22.013.0	
		711.04.021.02	70.91.15.005.0	70.91.22.013.0	
		711.03.021.02	70.91.15.005.0	70.91.22.013.0	
		711.04.018.02	70.91.15.005.0	70.91.22.013.0	
		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	
		711.03.021.03	70.91.15.008.0	70.91.22.012.0	
		711.04.018.03	70.91.15.007.0	70.91.22.012.0	
		711.03.018.03	70.91.15.008.0	70.91.22.012.0	
		711.04.021.01	70.91.15.005.0	70.91.22.012.0	
		711.03.021.01	70.91.15.005.0	70.91.22.012.0	
		711.04.018.01	70.91.15.005.0	70.91.22.012.0	
		711.03.018.01	70.91.15.005.0	70.91.22.012.0	
	CSYN R 2525 M 15 - IC 7	711.04.021.03	70.91.15.007.0	70.91.22.012.0	
		711.03.021.03	70.91.15.008.0	70.91.22.012.0	
		711.04.018.03	70.91.15.007.0	70.91.22.012.0	
		711.03.018.03	70.91.15.008.0	70.91.22.012.0	
		711.04.021.01	70.91.15.005.0	70.91.22.012.0	
		711.03.021.01	70.91.15.005.0	70.91.22.012.0	
		711.04.018.01	70.91.15.005.0	70.91.22.012.0	
		711.03.018.01	70.91.15.005.0	70.91.22.012.0	
IKS - PRO SN . X 15 07 .. 	CSYN L 2525 M 15 - IK 7	711.04.021.25	70.91.11.718.6	70.91.22.012.0	
		711.03.021.25	70.91.11.718.6	70.91.22.012.0	
		711.04.018.25	70.91.11.718.6	70.91.22.012.0	
		711.03.018.25	70.91.11.718.6	70.91.22.012.0	
	CSYN R 2525 M 15 - IK 7	711.04.021.25	70.91.11.718.6	70.91.22.012.0	
		711.03.021.25	70.91.11.718.6	70.91.22.012.0	
		711.04.018.25	70.91.11.718.6	70.91.22.012.0	
		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	
		711.03.021.05	70.91.11.316.0	70.91.22.012.0	
		711.04.018.05	70.91.11.316.0	70.91.22.012.0	
		711.03.018.05	70.91.11.316.0	70.91.22.012.0	
	CSYN R 2525 M 15 - IX 7	711.04.021.05	70.91.11.316.0	70.91.22.012.0	
		711.03.021.05	70.91.11.316.0	70.91.22.012.0	
		711.04.018.05	70.91.11.316.0	70.91.22.012.0	
		711.03.018.05	70.91.11.316.0	70.91.22.012.0	



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

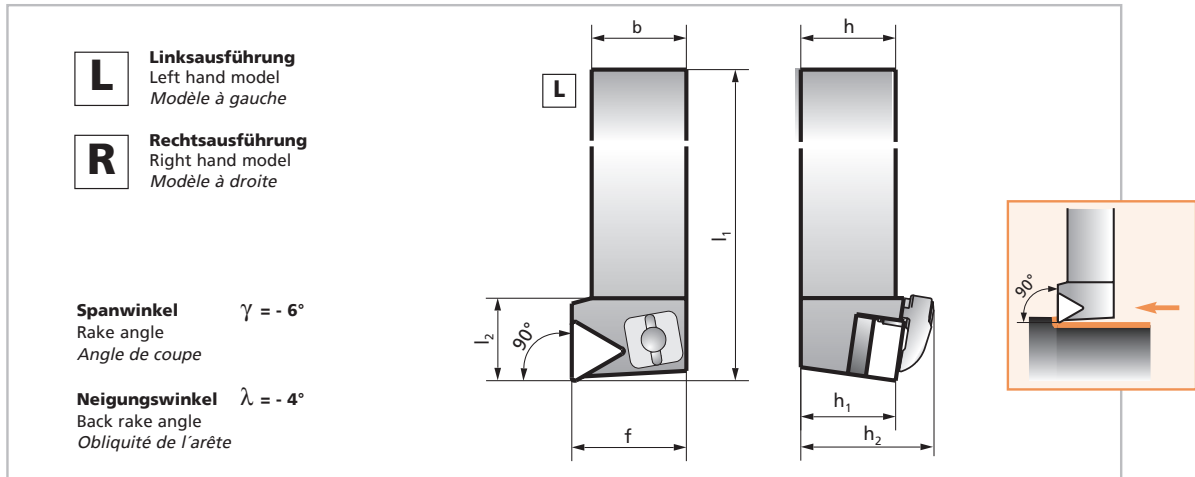
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

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			
	CTFN R 2525 M 16 - ID 4	711.13.004.02	70.91.15.001.0	70.91.22.028.0	
	CTFN L 3225 P 16 - ID 4	711.14.005.02	70.91.15.001.0	70.91.22.028.0	
	CTFN R 3225 P 16 - ID 4	711.13.005.02	70.91.15.001.0	70.91.22.028.0	
TN . N 16 07 .. 	CTFN L 2525 M 16 - ID 7	711.14.004.01	70.91.15.001.0	70.91.22.026.0	
	CTFN R 2525 M 16 - ID 7	711.13.004.01	70.91.15.001.0	70.91.22.026.0	
	CTFN L 3225 P 16 - ID 7	711.14.005.01	70.91.15.001.0	70.91.22.026.0	
	CTFN R 3225 P 16 - ID 7	711.13.005.01	70.91.15.001.0	70.91.22.026.0	
TN . A 16 04 .. 	PTFN L 2525 M 16 - IP 4	711.14.004.08	70.91.15.001.0		70.91.26.037.6
	PTFN R 2525 M 16 - IP 4	711.13.004.08	70.91.15.001.0		70.91.26.037.6
	PTFN L 3225 P 16 - IP 4	711.14.005.08	70.91.15.001.0		70.91.26.037.6
	PTFN R 3225 P 16 - IP 4	711.13.005.08	70.91.15.001.0		70.91.26.037.6

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

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

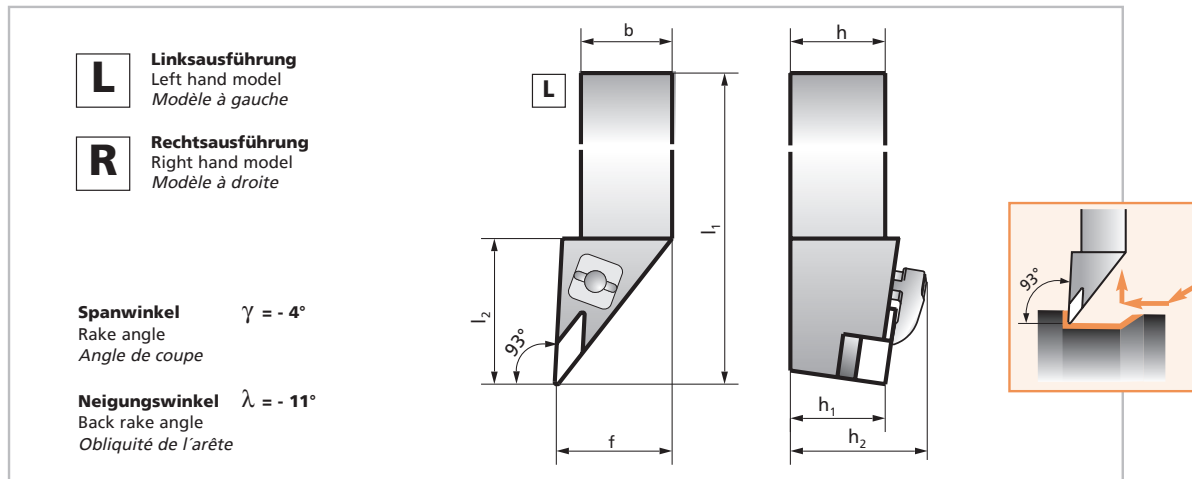


SPK-Schneidplatte SPK insert <i>Plaquette SPK</i>	Schaft Shank <i>Corps</i>	Abmessungen • Dimensions • Dimensions (mm)						
		h=h ₁	b	l ₁	l ₂	f	h ₂	D _{min}
TN . . 16 . . .	2525	25	25	150	20	32	40	300
	3225	32	25	170	20	32	47	350

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 <i>Plaquette SPK</i>	ISO	SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i>	Ersatzteile • Spare parts • <i>Pièces de rechange</i>		
TN . N 16 04 .. 	CTGN L 2525 M 16 - ID 4	711.14.001.02			
	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			
	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			
	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			



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

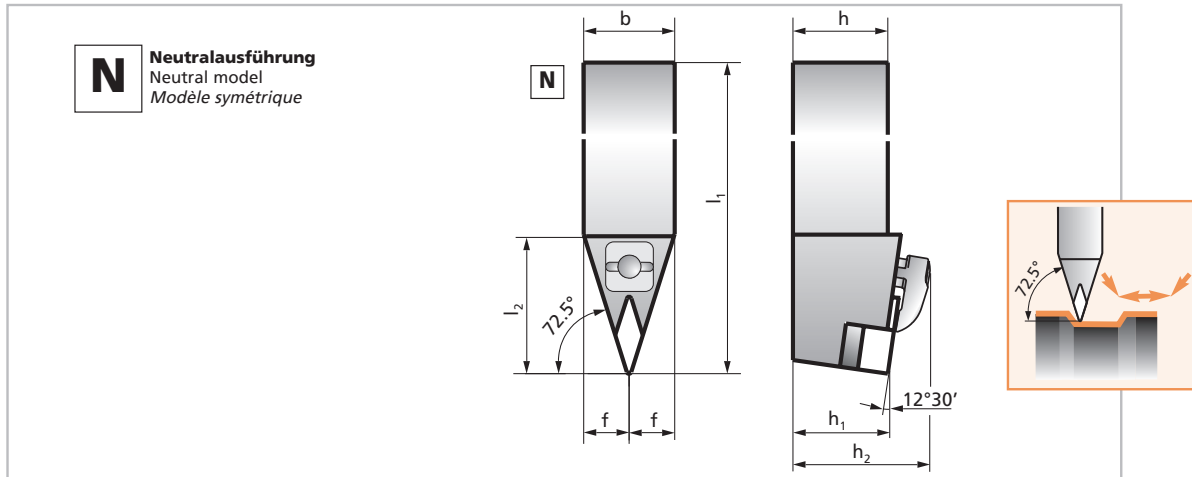
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

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

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

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

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

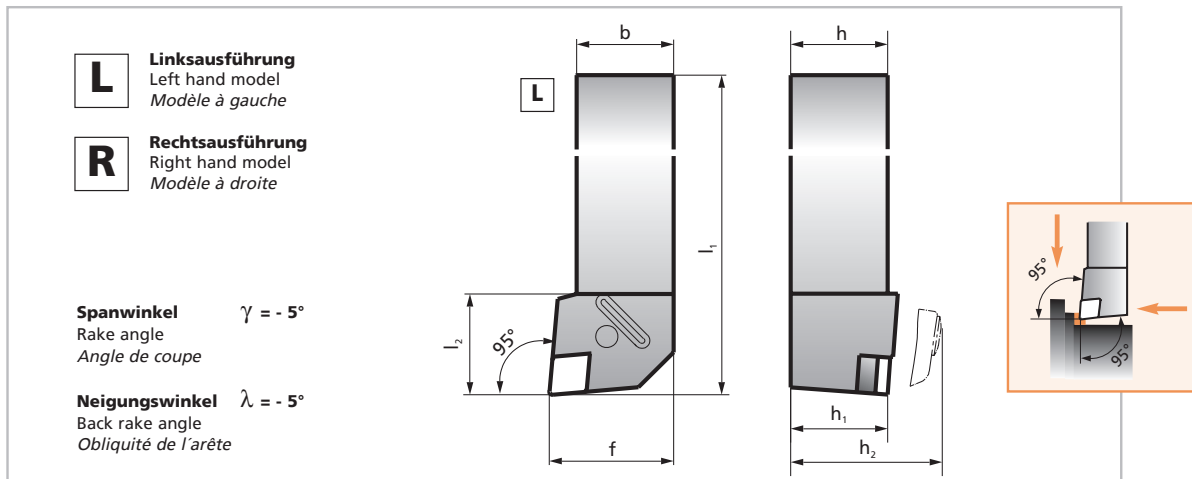


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)						
		$h=h_1$	b	l_1	l_2	f	h_2	D_{min}
VN .. 16	2525	25	25	150	45	12,5	44	350
	3225	32	25	170	45	12,5	51	400

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

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

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



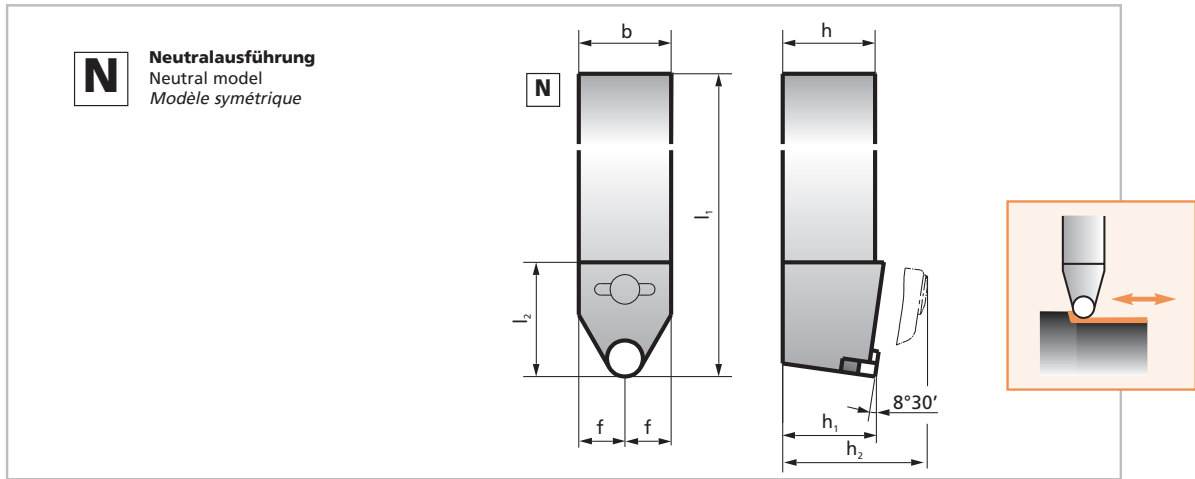
SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)					
		h=h ₁	b	l ₁	l ₂	f	h ₂
CN . N 09	2525	25	25	150	24	32	39

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 • <i>Pièces de rechange</i>		
CN . N 09 03 .. 	CCLN L 2525 M 09 - 3	710.24.391.02			
	CCLN R 2525 M 09 - 3	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	710.24.391.03	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
	CCLN R 2525 M 09 - 4	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

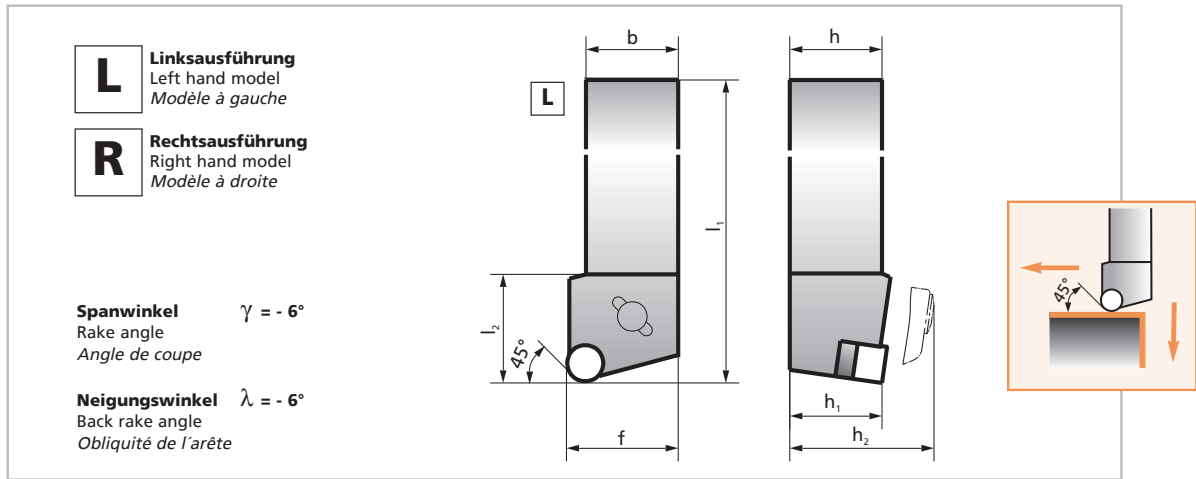


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)					
		h=h ₁	b	l ₁	l ₂	f	h ₂
RN . N 09	2525	25	25	150	27	12,5	36
	3225	32	25	170	27	12,5	43

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 • <i>Pièces de rechange</i>		
RN . N 09 03 00 	CRDN N 2525 M 09 - 3	710.46.303.02			70.91.11.091.0 70.91.11.091.0
	CRDN N 3225 P 09 - 3	710.46.304.02			
RN . N 09 04 00 	CRDN N 2525 M 09 - 4	710.46.303.03			70.91.11.091.0 70.91.11.091.0
	CRDN N 3225 P 09 - 4	710.46.304.03			

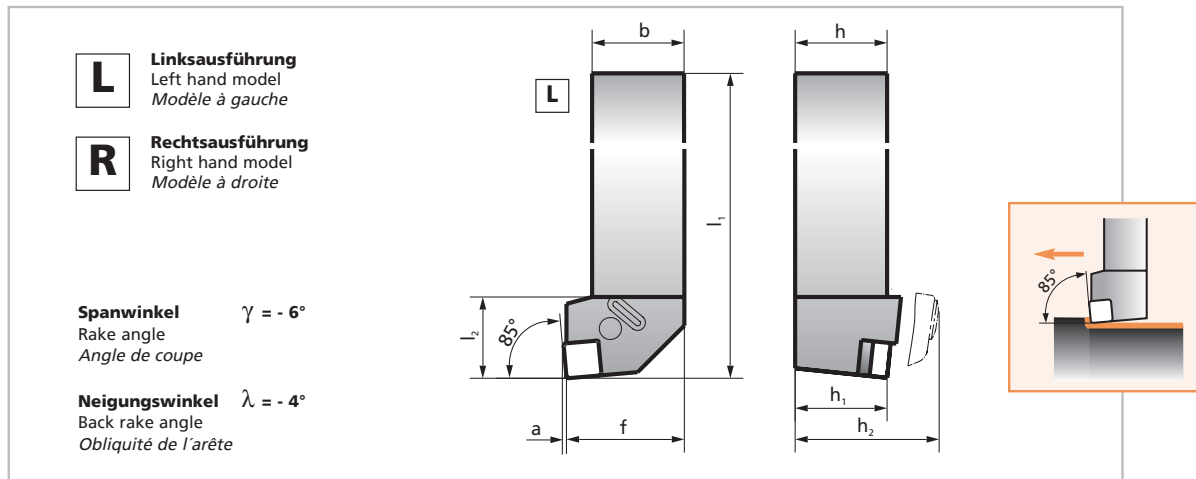


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)					
		h=h ₁	b	l ₁	l ₂	f	h ₂
RN . N 09	2525	25	25	150	26	32	36
	3225	32	25	170	26	32	43

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 70.91.11.091.0 70.91.11.091.0 70.91.11.091.0
	CRSN R 2525 M 09 - 3	710.43.303.02			
	CRSN L 3225 P 09 - 3	710.44.304.02			
	CRSN R 3225 P 09 - 3	710.43.304.02			
RN . N 09 04 00 	CRSN L 2525 M 09 - 4	710.44.303.03			70.91.11.091.0 70.91.11.091.0 70.91.11.091.0 70.91.11.091.0
	CRSN R 2525 M 09 - 4	710.43.303.03			
	CRSN L 3225 P 09 - 4	710.44.304.03			
	CRSN R 3225 P 09 - 4	710.43.304.03			

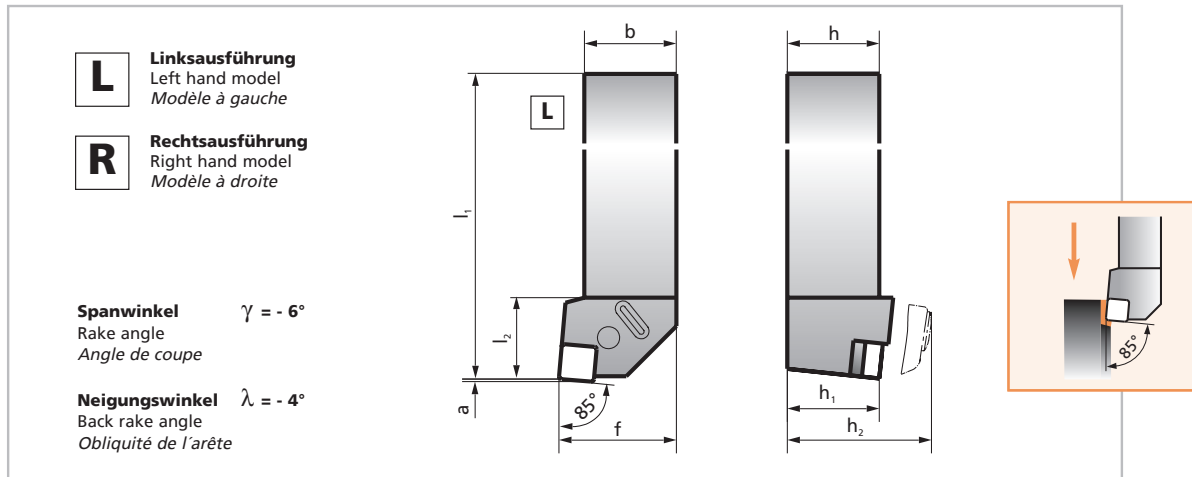


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)						
		h=h ₁	b	l ₁	l ₂	f	h ₂	a
SN . N 09 ..	2525	25	25	150	24	32	38	0,76

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 • <i>Pièces de rechange</i>		
					
SN . N 09 03 .. 	CSXN L 2525 M 09 - 3	710.04.363.02	70.91.11.493.0	70.91.00.160.0	70.91.53.014.0
	CSXN R 2525 M 09 - 3	710.03.363.02	70.91.11.493.0	70.91.00.160.0	70.91.53.014.0
SN . N 09 04 .. 	CSXN L 2525 M 09 - 4	710.04.363.03	70.91.11.493.0	70.91.00.160.0	70.91.53.013.0
	CSXN R 2525 M 09 - 4	710.03.363.03	70.91.11.493.0	70.91.00.160.0	70.91.53.013.0



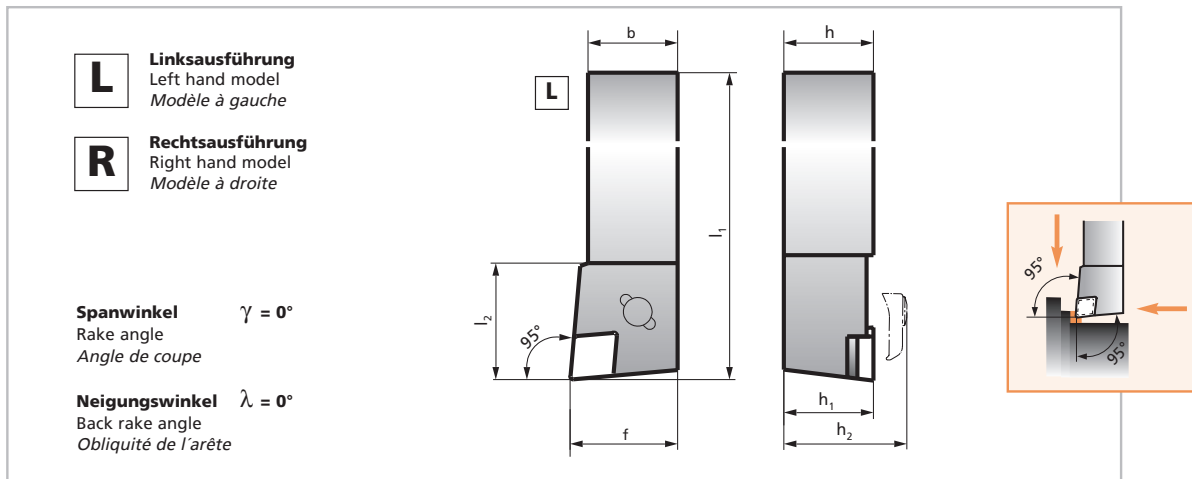
SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)						
		h=h ₁	b	l ₁	l ₂	f	h ₂	a
SN . N 09 ..	2525	25	25	150	24	32	38	0,76

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

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





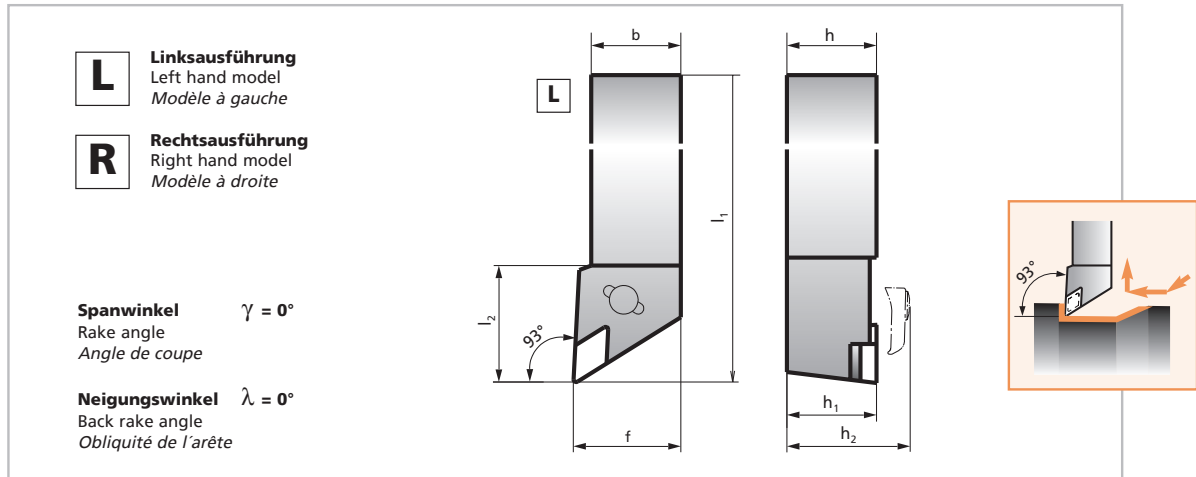
SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)						
		h=h ₁	b	l ₁	l ₂	f	h ₂	D _{min}
CC . . 12 . . .	2525	25	25	150	35	32	40	300
	3225	32	25	170	35	32	47	350

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			70.91.22.146.0
	CCLC R 2525 M 12 - IC 4	711.27.002.04			70.91.22.146.0
	CCLC L 3225 P 12 - IC 4	711.28.004.04			70.91.22.146.0
	CCLC R 3225 P 12 - IC 4	711.27.004.04			70.91.22.146.0
	CCLC L 2525 M 12 - ID 4	711.28.002.02			70.91.22.146.0
	CCLC R 2525 M 12 - ID 4	711.27.002.02			70.91.22.146.0
	CCLC L 3225 P 12 - ID 4	711.28.004.02			70.91.22.146.0
	CCLC R 3225 P 12 - ID 4	711.27.004.02			70.91.22.146.0
CC . X 12 06 . . 	CCLC L 2525 M 12 - IX 6	711.28.002.05			70.91.22.143.0
	CCLC R 2525 M 12 - IX 6	711.27.002.05			70.91.22.143.0
	CCLC L 3225 P 12 - IX 6	711.28.004.05			70.91.22.143.0
	CCLC R 3225 P 12 - IX 6	711.27.004.05			70.91.22.143.0

CDJC □ 2525
CDJC □ 3225

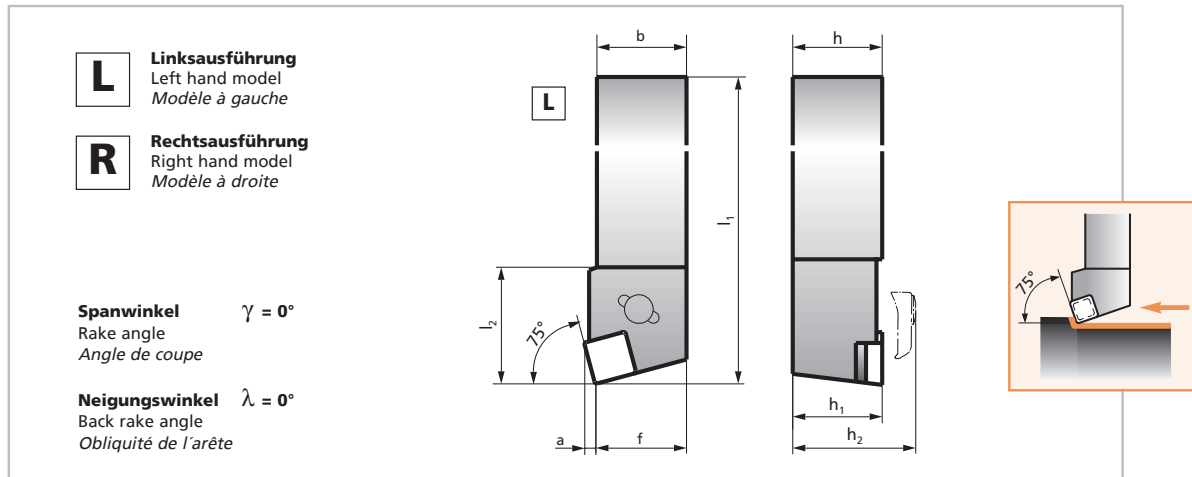
IKS-Drehwerkzeuge positiv
IKS Tools positive for turning
Porte-outils IKS positifs pour le tournage



SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Schank Corps	Abmessungen • Dimensions • Dimensions (mm)						
		$h=h_1$	b	l_1	l_2	f	h_2	D_{min}
DC . . 15	2525	25	25	150	38	32	40	300
	3225	32	25	170	38	32	47	350

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

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



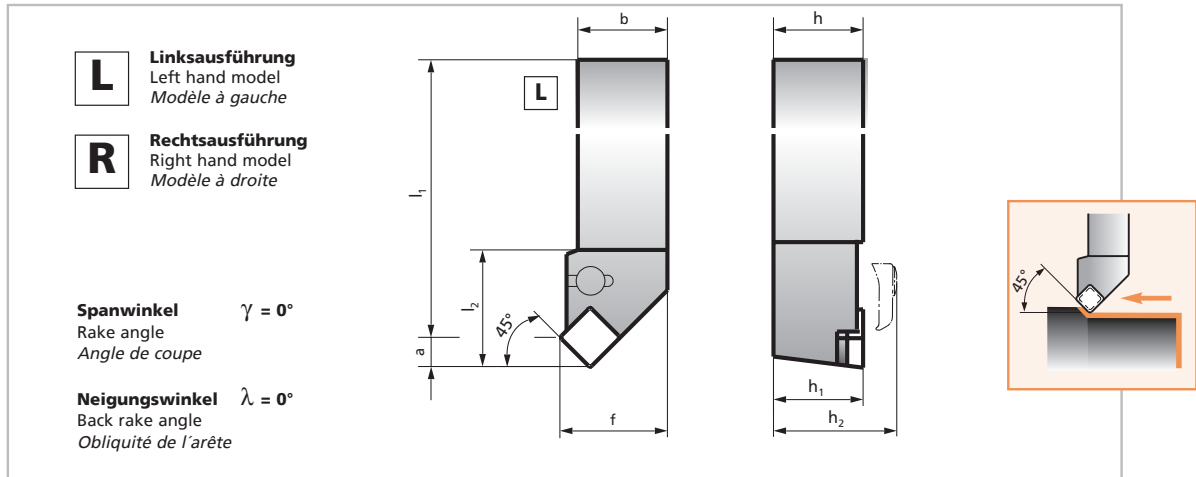
SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Schank Corps	Abmessungen • Dimensions • Dimensions (mm)							
		$h=h_1$	b	l_1	l_2	f	h_2	a	D_{min}
SC . . 12 . . .	2525	25	25	150	32	27	40	3,06	300
	3225	32	25	170	32	27	47	3,06	350

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			
	CSRC R 2525 M 12 - IC 4	711.07.007.04			
	CSRC L 3225 P 12 - IC 4	711.08.009.04			
	CSRC R 3225 P 12 - IC 4	711.07.009.04			
	CSRC L 2525 M 12 - ID 4	711.08.007.02			
	CSRC R 2525 M 12 - ID 4	711.07.007.02			
	CSRC L 3225 P 12 - ID 4	711.08.009.02			
	CSRC R 3225 P 12 - ID 4	711.07.009.02			
			70.91.15.004.0		70.91.22.145.0
SC . X 12 06 . . 	CSRC L 2525 M 12 - IX 6	711.08.007.05			
	CSRC R 2525 M 12 - IX 6	711.07.007.05			
	CSRC L 3225 P 12 - IX 6	711.08.009.05			
	CSRC R 3225 P 12 - IX 6	711.07.009.05			
			70.91.11.316.0		70.91.22.144.0
			70.91.11.316.0		70.91.22.144.0
			70.91.11.316.0		70.91.22.144.0
			70.91.11.316.0		70.91.22.144.0

CSSC □ 2525
CSSC □ 3225

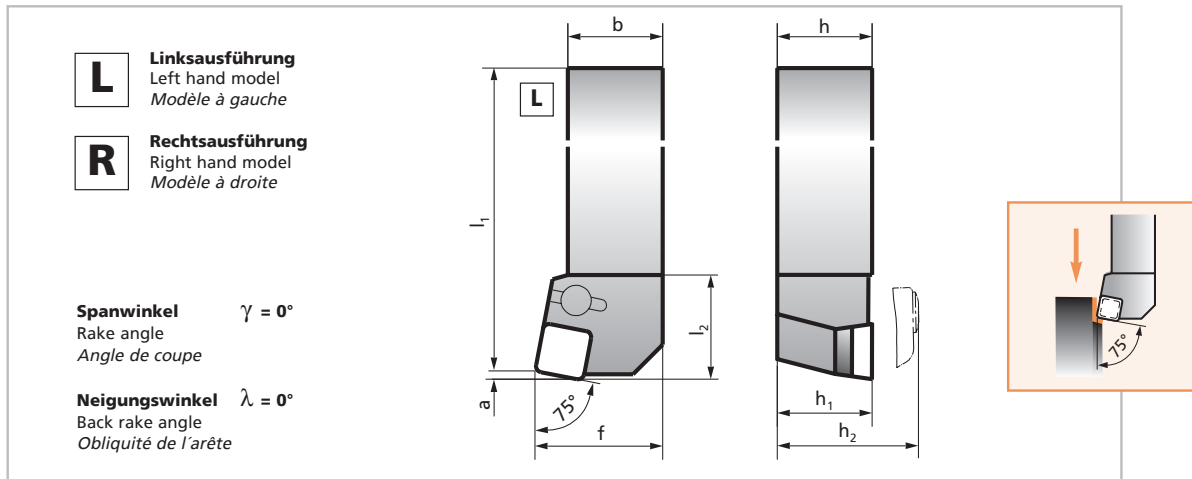
IKS-Drehwerkzeuge positiv
IKS Tools positive for turning
Porte-outils IKS positifs pour le tournage



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			70.91.22.145.0
	CSSC R 2525 M 12 - IC 4	711.07.003.04			70.91.22.145.0
	CSSC L 3225 P 12 - IC 4	711.08.005.04			70.91.22.145.0
	CSSC R 3225 P 12 - IC 4	711.07.005.04			70.91.22.145.0
	CSSC L 2525 M 12 - ID 4	711.08.003.02			70.91.22.145.0
	CSSC R 2525 M 12 - ID 4	711.07.003.02			70.91.22.145.0
	CSSC L 3225 P 12 - ID 4	711.08.005.02			70.91.22.145.0
	CSSC R 3225 P 12 - ID 4	711.07.005.02			70.91.22.145.0
SC . X 12 06 .. 	CSSC L 2525 M 12 - IX 6	711.08.003.05			70.91.22.144.0
	CSSC R 2525 M 12 - IX 6	711.07.003.05			70.91.22.144.0
	CSSC L 3225 P 12 - IX 6	711.08.005.05			70.91.22.144.0
	CSSC R 3225 P 12 - IX 6	711.07.005.05			70.91.22.144.0



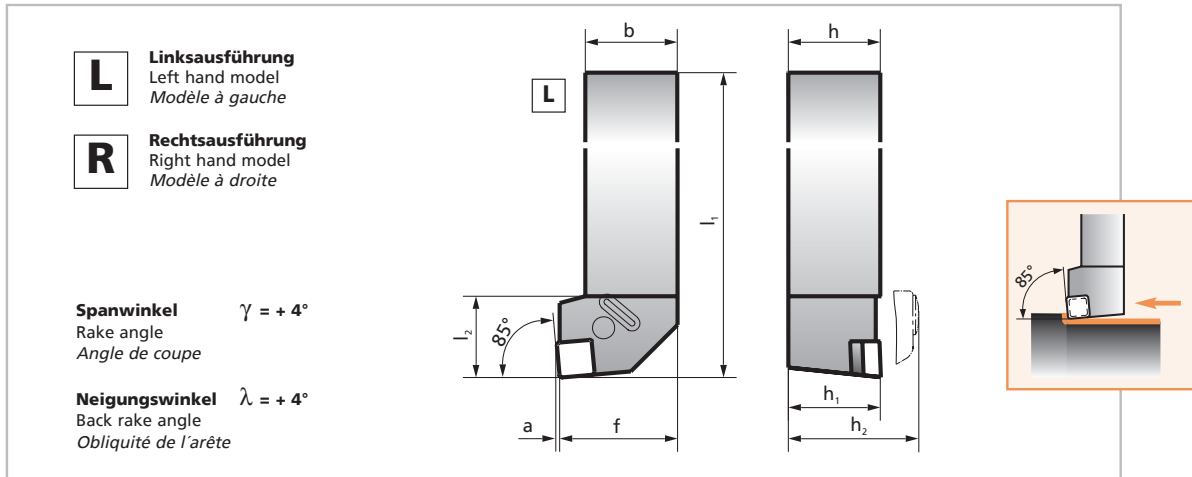
SPK-Schneidplatte SPK insert <i>Plaquette SPK</i>	Schaft Schank <i>Corps</i>	Abmessungen • Dimensions • Dimensions (mm)						
		h=h ₁	b	l ₁	l ₂	f	h ₂	a
SC . . 12 . . .	2525	25	25	150	28	32	40	3,06

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

SPK-Schneidplatte SPK Insert <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

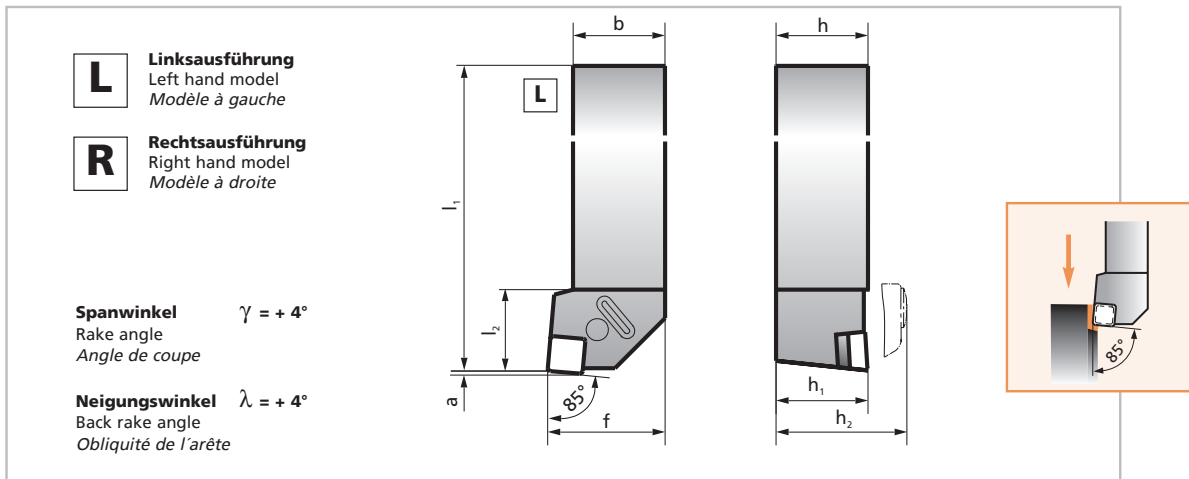


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Schank Corps	Abmessungen • Dimensions • Dimensions (mm)						
		h=h ₁	b	l ₁	l ₂	f	h ₂	a
SC . . 09 . . .	2525	25	25	150	24	32	39	0,76
	3225	32	25	170	24	32	42	0,76

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

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

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

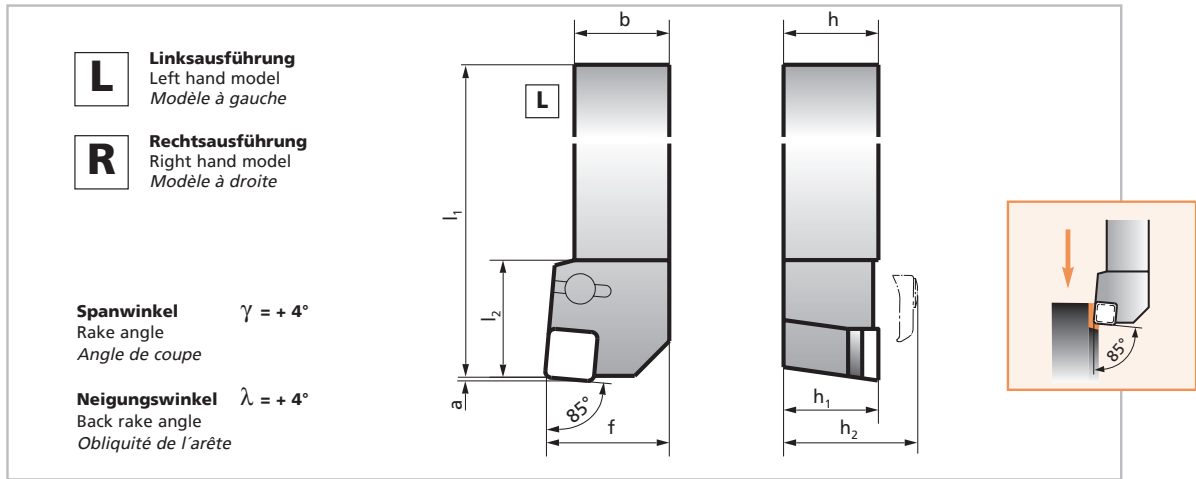


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Schank Corps	Abmessungen • Dimensions • Dimensions (mm)						
		h=h ₁	b	l ₁	l ₂	f	h ₂	a
SC . . 09 . . .	2525	25	25	150	24	32	39	0,76
	3225	32	25	170	24	32	44	0,76

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

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

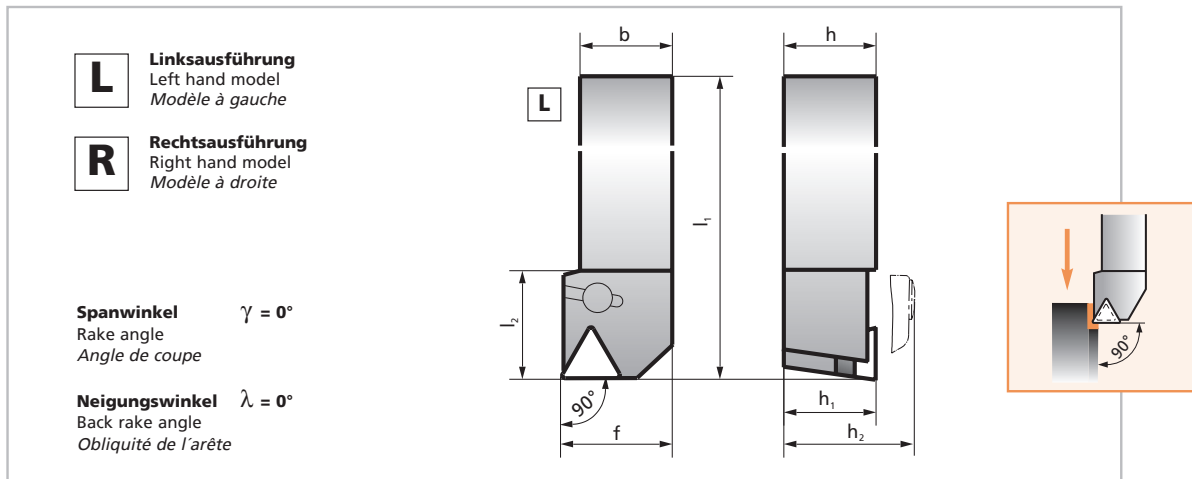
SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
					
SC . N 09 03 . . 	CSYC L 2525 M 09 - 3	710.08.025.02	70.91.11.493.0	70.91.00.160.0	70.91.23.602.0
	CSYC R 2525 M 09 - 3	710.07.025.02	70.91.11.493.0	70.91.00.160.0	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



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			
	CSYC R 2525 M 12	710.07.020.03	70.91.11.091.0 70.91.11.091.0		70.91.53.060.0 70.91.53.060.0

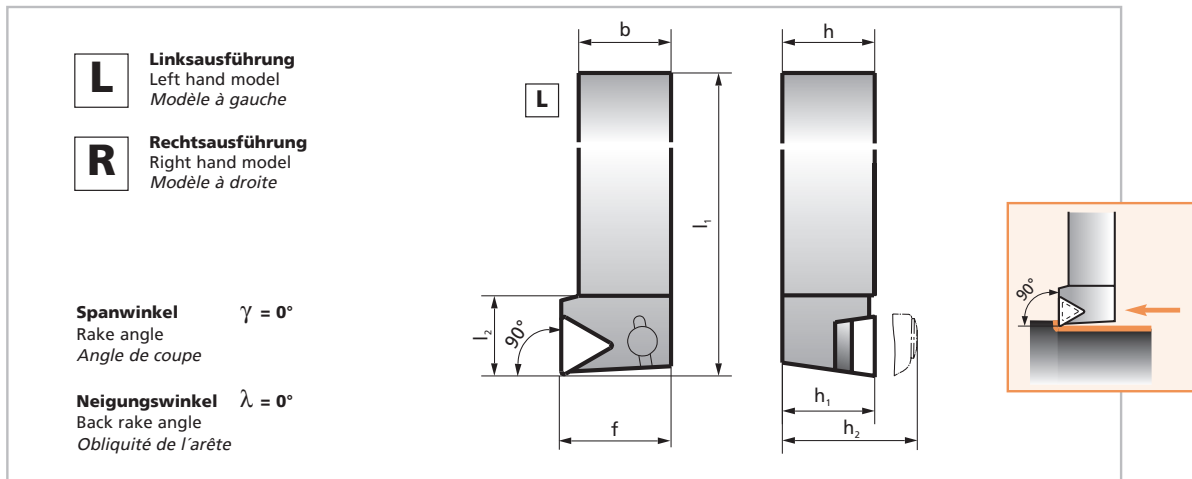


SPK-Schneidplatte SPK insert <i>Plaquette SPK</i>	Schaft Schank <i>Corps</i>	Abmessungen • Dimensions • Dimensions (mm)					
		h=h ₁	b	l ₁	l ₂	f	h ₂
TC . N 16	2525	25	25	150	27	32	39

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

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

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

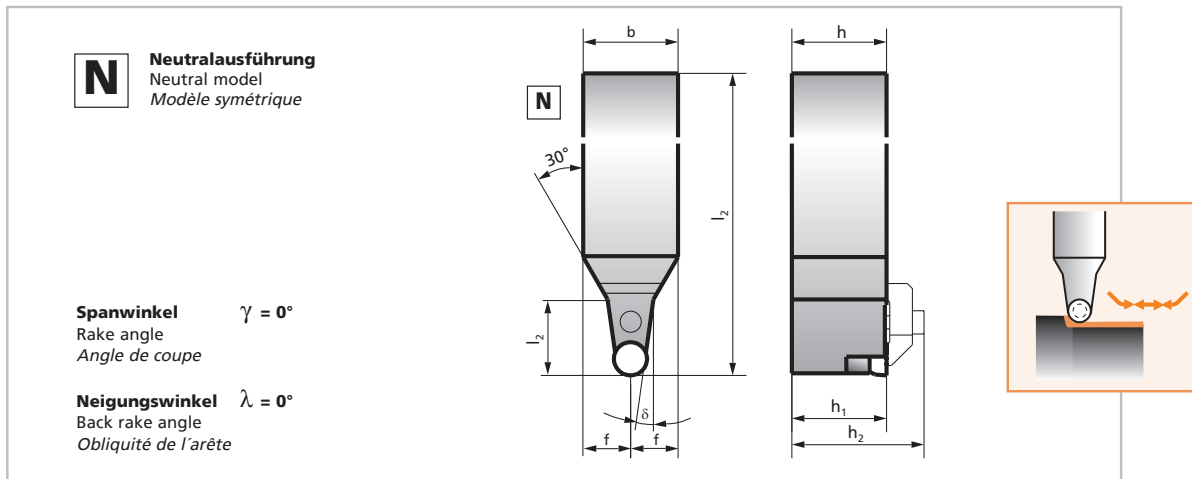


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Schank Corps	Abmessungen • Dimensions • Dimensions (mm)					
		h=h ₁	b	l ₁	l ₂	f	h ₂
TC . N 16	2525	25	25	150	22	32	39

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

SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
TC . N 16 04 .. 	CTGC L 2525 M 16	710.18.302.03			
	CTGC R 2525 M 16	710.17.302.03	70.91.11.229.0 70.91.11.230.0** 70.91.11.229.0 70.91.11.230.0**	70.91.00.050.0 70.91.00.049.0	70.91.53.131.0 70.91.53.131.0

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



SPK-Schneidplatte SPK insert <i>Plaquette SPK</i>	Schaft Shank <i>Corps</i>	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

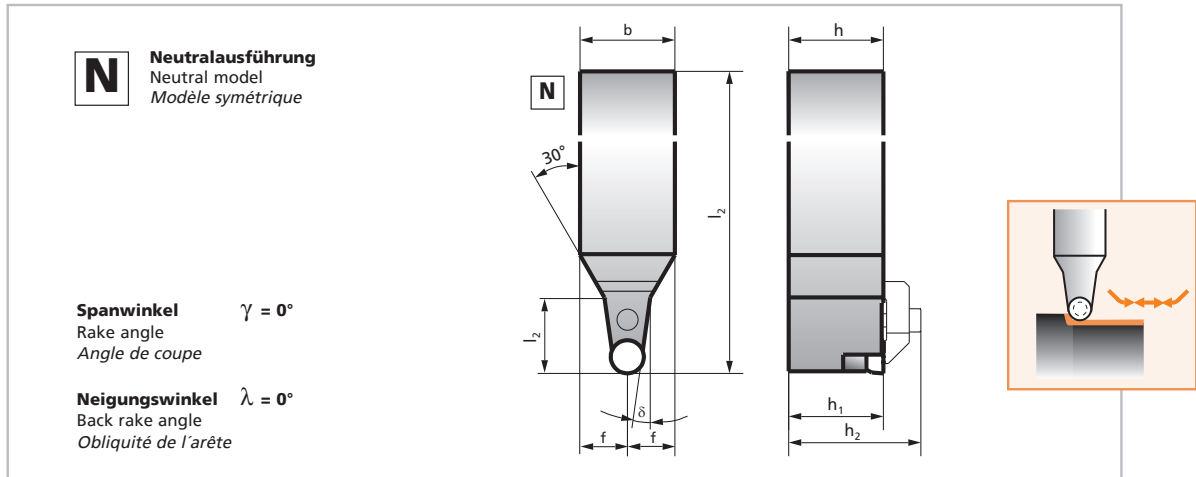
Keramik • Ceramic • Céramique 16 - 21

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

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

CRDC □ 2525
CRDC □ 3225

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



SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)						
		$h=h_1$	b	l_1	l_2	f	h_2	δ
RC . X 09 07 00	2525	25	25	150	20	12,5	36	8°
	3225	32	25	170	20	12,5	36	8°
RC . X 12 07 00	2525	25	25	150	25	12,5	36	0°
	3225	32	25	170	25	12,5	36	0°
RC . X 15 10 00	2525	25	25	150	30	12,5	37	8°
	3225	32	25	170	30	12,5	37	8°
RC . X 19 10 00	3225	32	25	170	42	12,5	37	0°

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

Keramik • Ceramic • *Céramique* 16 - 21

SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
					
RC . X 09 07 00 	CRDC N 2525 M 09	710.45.001.05	70.91.11.236.0		70.91.53.444.0
	CRDC N 3225 P 09	710.45.004.05	70.91.11.236.0		70.91.53.444.0
RC . X 12 07 00 	CRDC N 2525 M 12	710.45.002.05	70.91.11.285.0		70.91.53.450.0
	CRDC N 3225 P 12	710.45.003.05	70.91.11.285.0		70.91.53.450.0
RC . X 15 10 00 	CRDC N 2525 M 15	710.45.005.07	70.91.11.232.0		70.91.53.428.0
	CRDC N 3225 P 15	710.45.006.07	70.91.11.232.0		70.91.53.428.0
RC . X 19 10 00 	CRDC N 3225 P 19	710.45.007.07	70.91.11.233.0		70.91.53.451.0

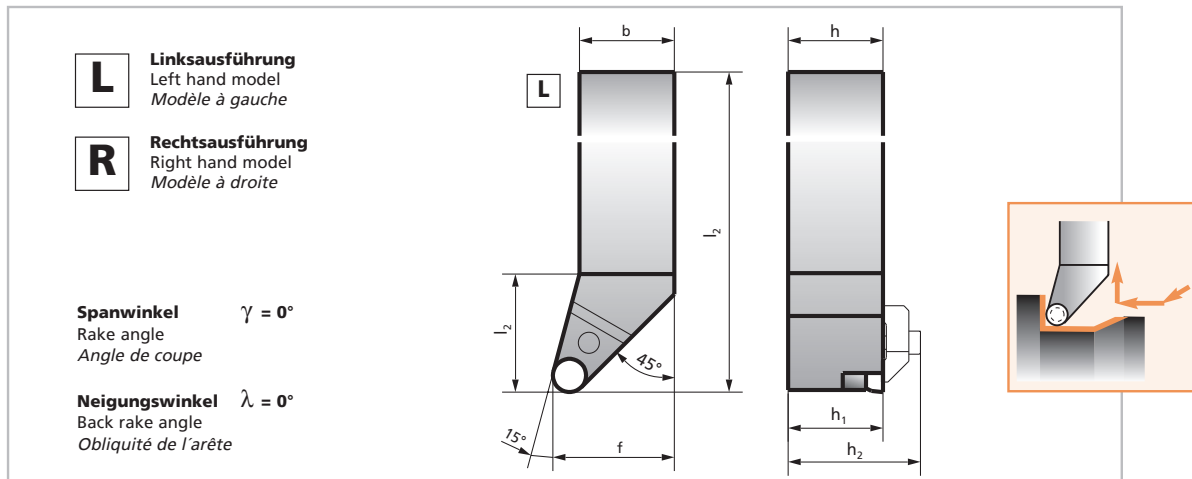
Drehwerkzeuge positiv

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		70.91.53.444.0
	CRGC R 2525 M 09	710.47.001.05	70.91.11.230.0		70.91.53.444.0
	CRGC R 3225 P 09	710.47.004.05	70.91.11.230.0		70.91.53.444.0
	CRGC L 3225 P 09	710.48.004.05	70.91.11.230.0		70.91.53.444.0
RC . X 12 07 00 	CRGC L 2525 M 12	710.48.002.05	70.91.11.232.0		70.91.53.450.0
	CRGC R 2525 M 12	710.47.002.05	70.91.11.232.0		70.91.53.450.0
	CRGC L 3225 P 12	710.48.003.05	70.91.11.232.0		70.91.53.450.0
	CRGC R 3225 P 12	710.47.003.05	70.91.11.232.0		70.91.53.450.0
RC . X 15 10 00 	CRGC L 3225 P 15	710.48.006.07	70.91.11.232.0		70.91.53.428.0
	CRGC R 3225 P 15	710.47.006.07	70.91.11.232.0		70.91.53.428.0

CRXB □ 2525

CRXB □ 3225

CRXB □ 4040

Drehwerkzeuge positiv

Tools positive for turning

Porte-outils positifs pour le tournage

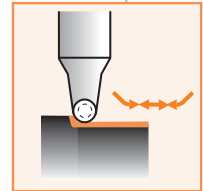
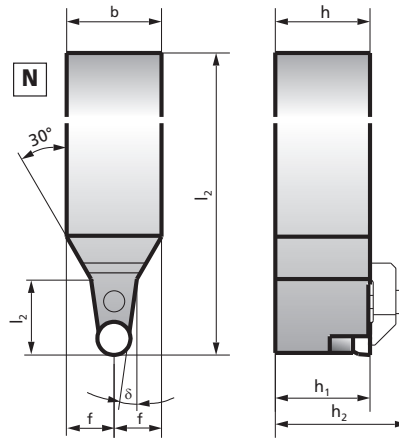
N**Neutralausführung**

Neutral model

Modèle symétrique

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

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

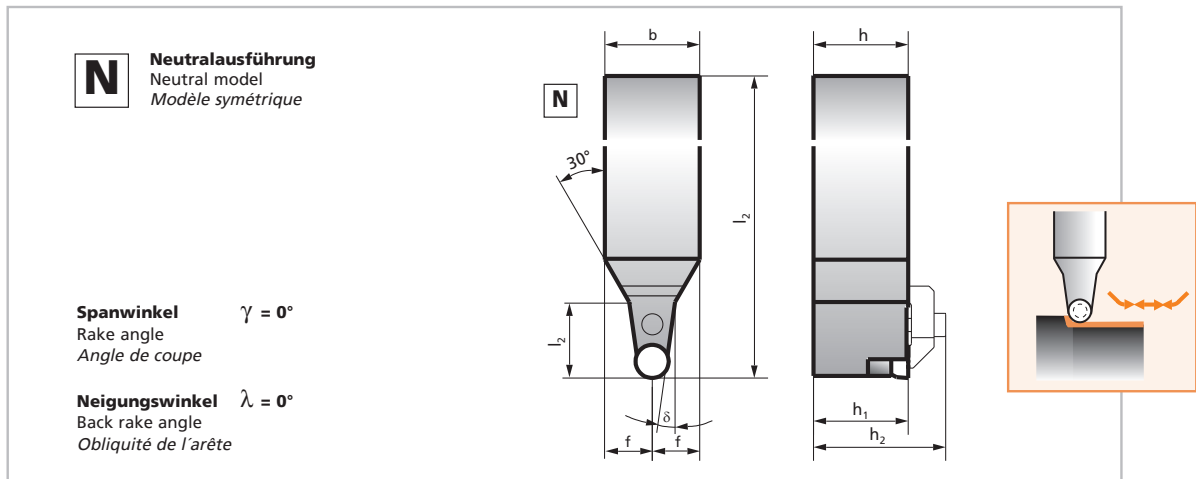


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)					
		h=h ₁	b	l ₁	l ₂	f	h ₂
RB . N 06 04 MO	2525	25	25	150	20	12,5	37
	3225	32	25	170	20	12,5	44
RB . N 07 04 MO	2525	25	25	150	20	12,5	37
	3225	32	25	170	20	12,5	44
RB . N 08 04 MO	2525	25	25	150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

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

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

SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • <i>Pièces de rechange</i>		
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			 70.91.11.348.0 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	70.91.11.348.0 70.91.11.348.0		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	70.91.11.349.0 70.91.11.349.0		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	70.91.11.349.0 70.91.11.349.0 70.91.11.349.0		70.91.23.158.0 70.91.23.158.0 70.91.23.158.0

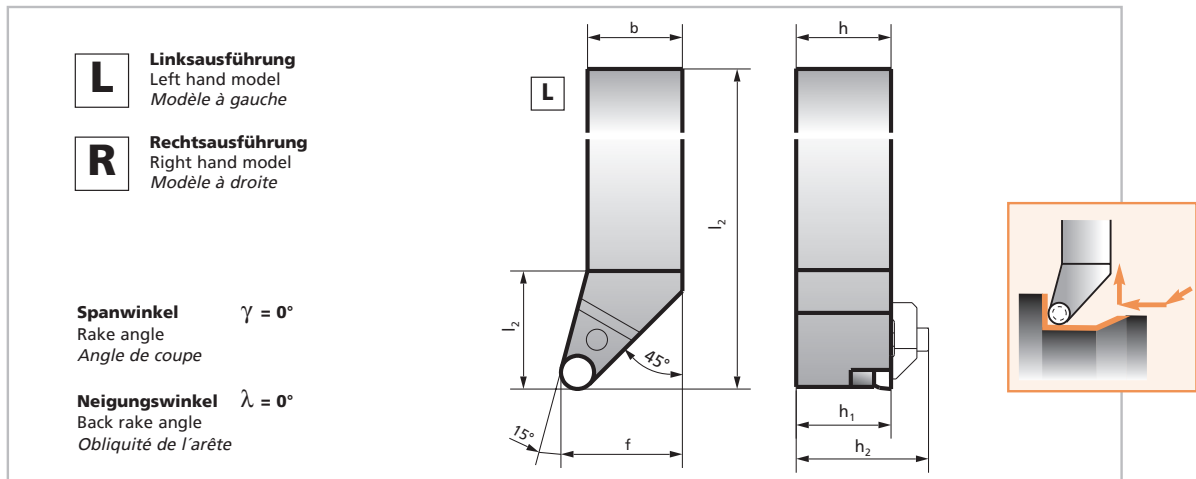


SPK-Schneidplatte SPK insert <i>Plaquette SPK</i>	Schaft Shank <i>Corps</i>	Abmessungen • Dimensions • Dimensions (mm)					
		$h=h_1$	b	l_1	l_2	f	h_2
RB . N 12 07 MO	2525	25	25	150	25	12,5	40
	3225	32	25	170	25	12,5	47
	4040	40	40	400	25	20,0	55
RB . N 16 07 MO	3225	32	25	170	25	12,5	47
	4040	40	40	400	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 <i>Plaquette SPK</i>	ISO	SPK-Bestellnummer SPK ref. no. <i>N° de réf. SPK</i>	Ersatzteile • Spare parts • <i>Pièces de rechange</i>		
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			
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	70.91.11.456.0 70.91.11.456.0		70.91.23.631.0 70.91.23.631.0 70.91.23.631.0
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	70.91.11.455.0 70.91.11.455.0		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	70.91.11.455.0 70.91.11.455.0		70.91.23.681.0 70.91.23.681.0



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

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

SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
					
RB . N 12 07 MO 	CRGB L 3225 P 12 - 7 CRGB R 3225 P 12 - 7	710.48.022.05 710.47.022.05	70.91.11.456.0 70.91.11.456.0		70.91.23.631.0 70.91.23.631.0
RB . N 16 07 MO 	CRGB L 3225 P 16 - 7 CRGB R 3225 P 16 - 7	710.48.023.05 710.47.023.05	70.91.11.456.0 70.91.11.456.0		70.91.23.644.0 70.91.23.644.0
RB . N 20 07 MO 	CRGB L 3225 P 20 - 7 CRGB R 3225 P 20 - 7	710.48.024.05 710.47.024.05	70.91.11.455.0 70.91.11.455.0		70.91.23.680.0 70.91.23.680.0



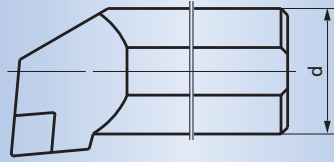


Bezeichnungssystem für Ausdrehwerkzeuge nach ISO 6261

Designation system for boring tools ISO 6261

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

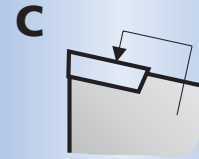
S Vollstahl
Solid steel
Acier plein



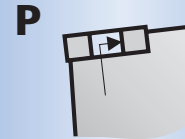
Kennzahl für Schaftdurchmesser.
Bei einstelliger Kennzahl wird eine 0 vorangestellt.
Code for shank diameter. A 0 precedes single-digit code.
Code pour diamètre de queue. Au cas où le code n'a qu'un chiffre, celui-ci est précédé d'un 0.

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

40 ➔ **d = 40mm**



Von oben geklemmt
Top clamping
Fixation par bride



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

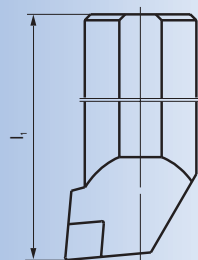
T

-

C

C

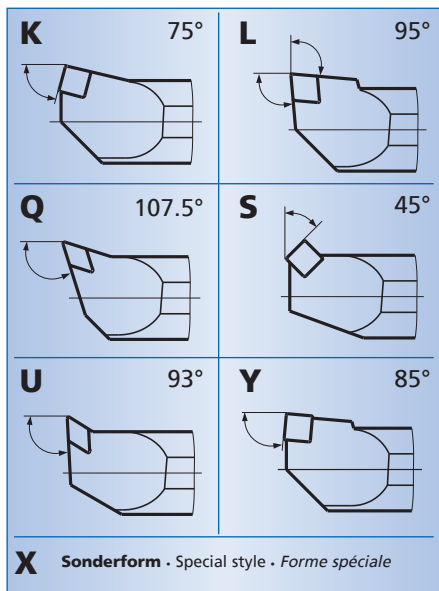
Werkzeu glänge
Tool length
Longeur d'outil



	l₁ mm
R	200
S	250
T	300
U	350

Plattenform
Insert shape
Forme de plaquette

C 	D
E 	R
S 	T
V 	



Halterform
Tool style
Forme de porte-outil

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

Plattengröße
Insert size
Grandeur de la plaquette

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

Plattendicke
Insert thickness
Épaisseur de la plaquette

L

N

R

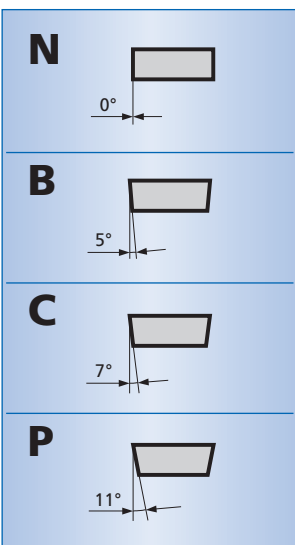
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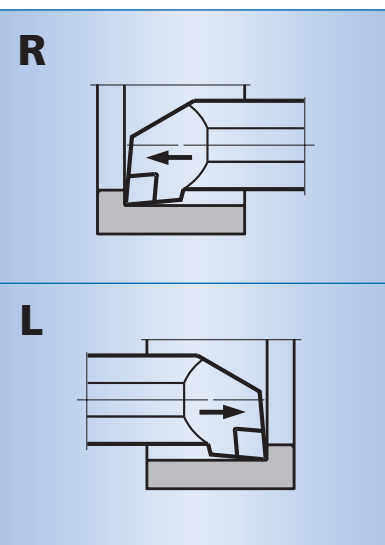
IX

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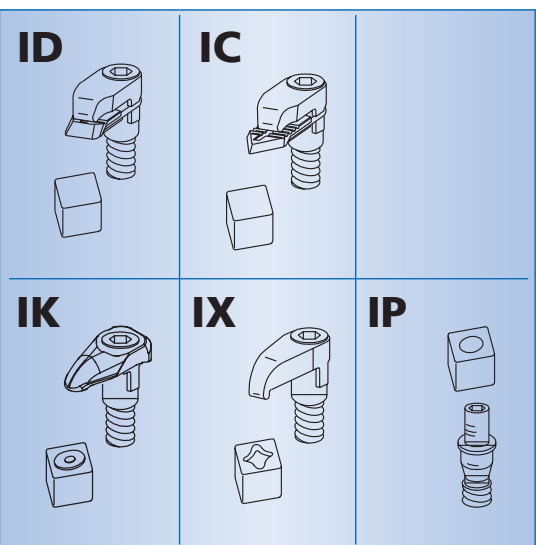
**Normal-Freiwinkel der
Schneidplatte**
Insert normal clearance
Angle de dépouille



Schneidrichtung
Cutting direction
Direction de coupe



Klemmart
Clamping system
Système de serrage



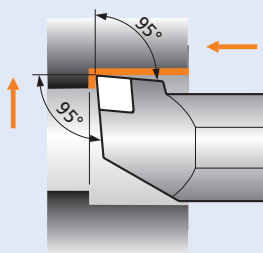
Inhaltsverzeichnis Ausdrehwerkzeuge

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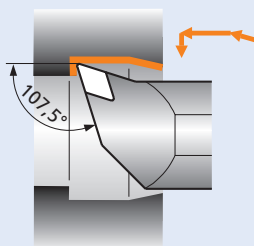
IKS-Ausdrehwerkzeuge • IKS-Boring tools • Porte-outils IKS pour l'alésage

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



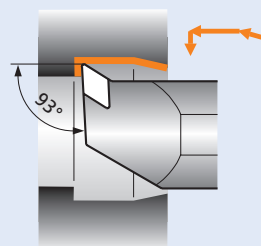
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S32S - CDQN L / R
S40T / S50U - CDQN L / R
S40T / S50U - PDQN L / R



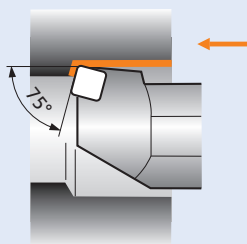
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S32S - CDUN L / R
S40T / S50U - CDUN L / R
S40T / S50U - PDUN L / R



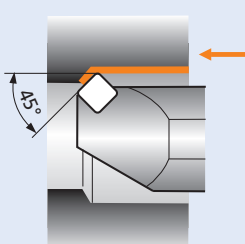
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S32S - CSKN L / R
S40T / S50U - CSKN L / R
S40T / S50U - PSKN L / R



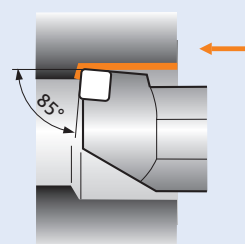
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S32S - CSSN L / R
S40T / S50U - CSSN L / R
S40T / S50U - PSSN L / R



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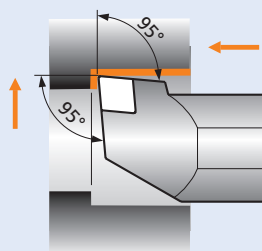
S32S - CSYN L / R
S40T / S50U - CSYN L / R
S40T / S50U - PSYN L / R



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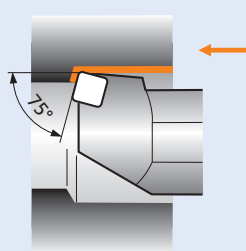
Ausdrehwerkzeuge • Boring tools • Porte-outils pour l'alésage

CCLN L / R 40
CCLN L / R 50



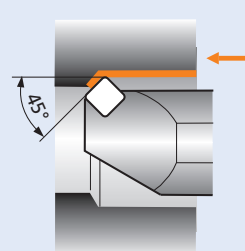
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CSKN L / R 40
CSKN L / R 50



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



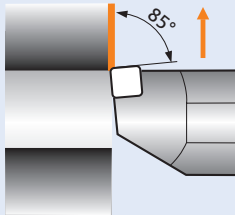
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CSXN L / R 40 -P
CSXN L / R 50 -P

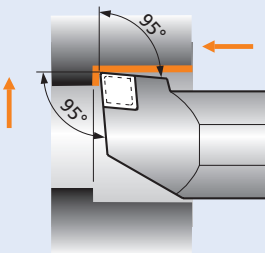


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Ausdrehwerkzeuge positiv • Boring tools positive • Porte-outils positifs pour l'alésage

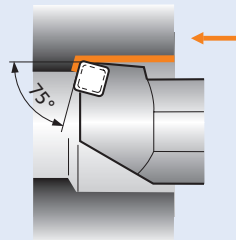
S40T - CCLC L / R
S50U - CCLC L / R



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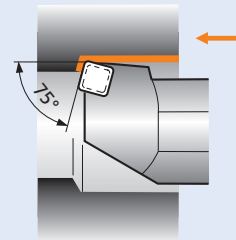
CSKC L / R 32



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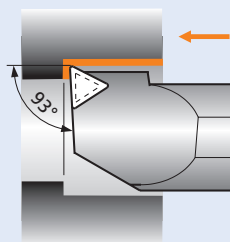
CSKP L / R 25



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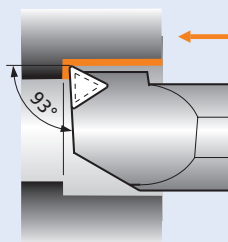
CTUC L / R 32



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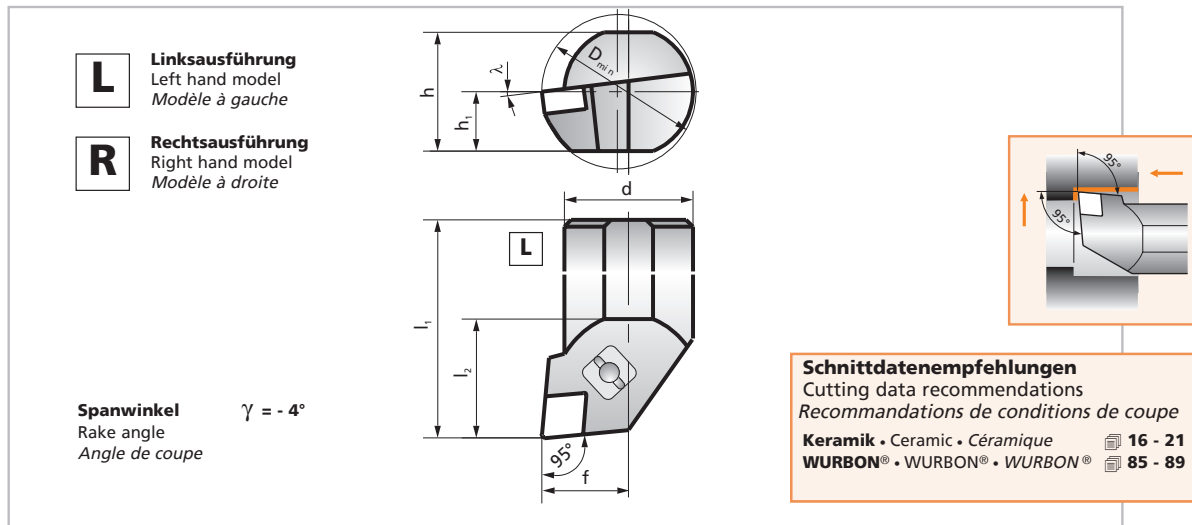
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CTUP L / R 25



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

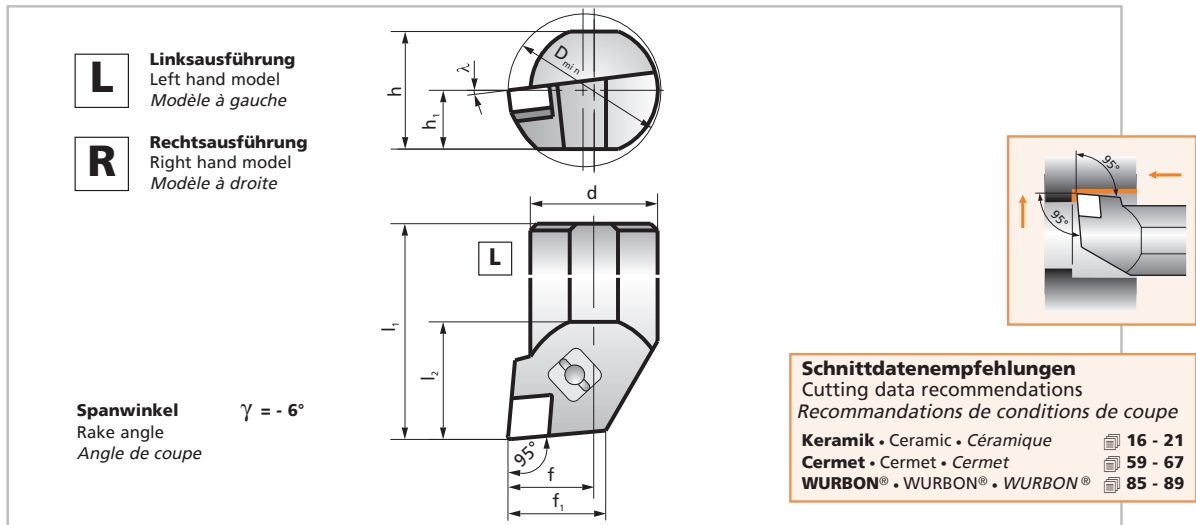
SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange			
						
IKS - PRO 	CN . X 12 07 ..	S 32 S - CCLN L 12 - IK 7 S 32 S - CCLN R 12 - IK 7	751.24.009.25 751.23.009.25	70.91.11.716.6 70.91.11.716.6		
	CN . X 12 07 .. 	S 32 S - CCLN L 12 - IX 7 S 32 S - CCLN R 12 - IX 7	751.24.009.05 751.23.009.05	70.91.11.316.0 70.91.11.316.0		

S40T - CCLN ☐S40T - PCLN ☐

IKS-Ausdrehwerkzeuge

IKS Boring tools

Porte-outils IKS pour l'alésage



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		
IKS - PRO	CN . N 12 04 ..	S 40 T - CCLN L 12 - IC 4 S 40 T - CCLN R 12 - IC 4 S 40 T - CCLN L 12 - ID 4 S 40 T - CCLN R 12 - ID 4	751.24.001.04 751.23.001.04 751.24.001.02 751.23.001.02	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
	CN . N 12 07 ..	S 40 T - CCLN L 12 - IC 7 S 40 T - CCLN R 12 - IC 7 S 40 T - CCLN L 12 - ID 7 S 40 T - CCLN R 12 - ID 7	751.24.001.03 751.23.001.03 751.24.001.01 751.23.001.01	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
	CN . X 12 04 ..	S 40 T - CCLN L 12 - IK 4 S 40 T - CCLN R 12 - IK 4	751.24.001.29 751.23.001.29	70.91.11.716.6 70.91.11.716.6	70.91.22.015.0 70.91.22.015.0
	CN . X 12 07 ..	S 40 T - CCLN L 12 - IK 7 S 40 T - CCLN R 12 - IK 7	751.24.001.25 751.23.001.25	70.91.11.716.6 70.91.11.716.6	70.91.22.014.0 70.91.22.014.0
	CN . X 12 07 ..	S 40 T - CCLN L 12 - IX 7 S 40 T - CCLN R 12 - IX 7	751.24.001.05 751.23.001.05	70.91.11.316.0 70.91.11.316.0	70.91.22.014.0 70.91.22.014.0
	CN . A 12 04 ..	S 40 T - PCLN L 12 - IP 4 S 40 T - PCLN R 12 - IP 4	751.24.001.08 751.23.001.08	70.91.15.005.0 70.91.15.005.0	70.91.26.009.6 70.91.26.009.6

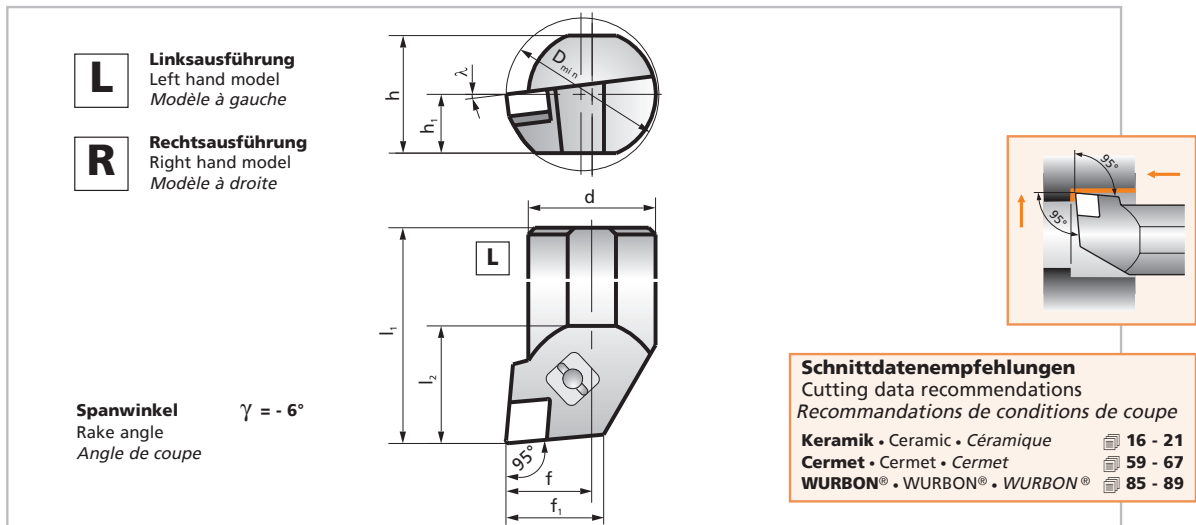
IKS-Ausdrehwerkzeuge

IKS Boring tools

Porte-outils IKS pour l'alésage

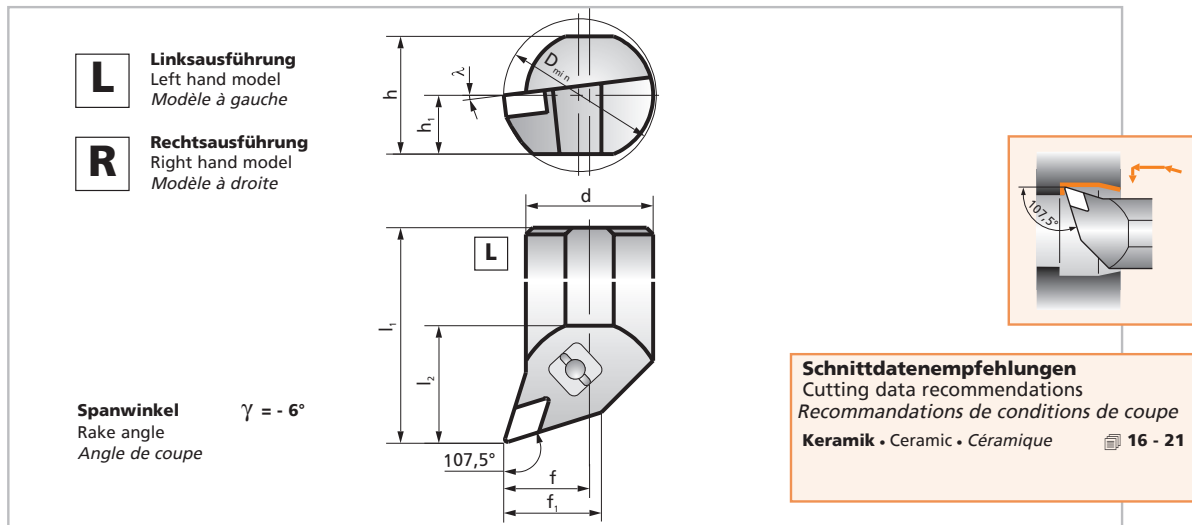
S50U - CCLN ☐

S50U - PCLN ☐



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	70.91.15.004.0	70.91.22.015.0
		S 50 U - CCLN R 12 - IC 4	751.23.002.04	70.91.15.003.0	70.91.22.015.0
		S 50 U - CCLN L 12 - ID 4	751.24.002.02	70.91.15.005.0	70.91.22.015.0
		S 50 U - CCLN R 12 - ID 4	751.23.002.02	70.91.15.005.0	70.91.22.015.0
	CN . N 12 07 .. 	S 50 U - CCLN L 12 - IC 7	751.24.002.03	70.91.15.004.0	70.91.22.014.0
		S 50 U - CCLN R 12 - IC 7	751.23.002.03	70.91.15.003.0	70.91.22.014.0
		S 50 U - CCLN L 12 - ID 7	751.24.002.01	70.91.15.005.0	70.91.22.014.0
		S 50 U - CCLN R 12 - ID 7	751.23.002.01	70.91.15.005.0	70.91.22.014.0
	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	70.91.11.716.6	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	70.91.11.716.6	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	70.91.11.316.0	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	70.91.26.009.6



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 - CDQN R 12 - IX 7	751.24.013.05 751.23.013.05	 70.91.11.316.0 70.91.11.316.0		

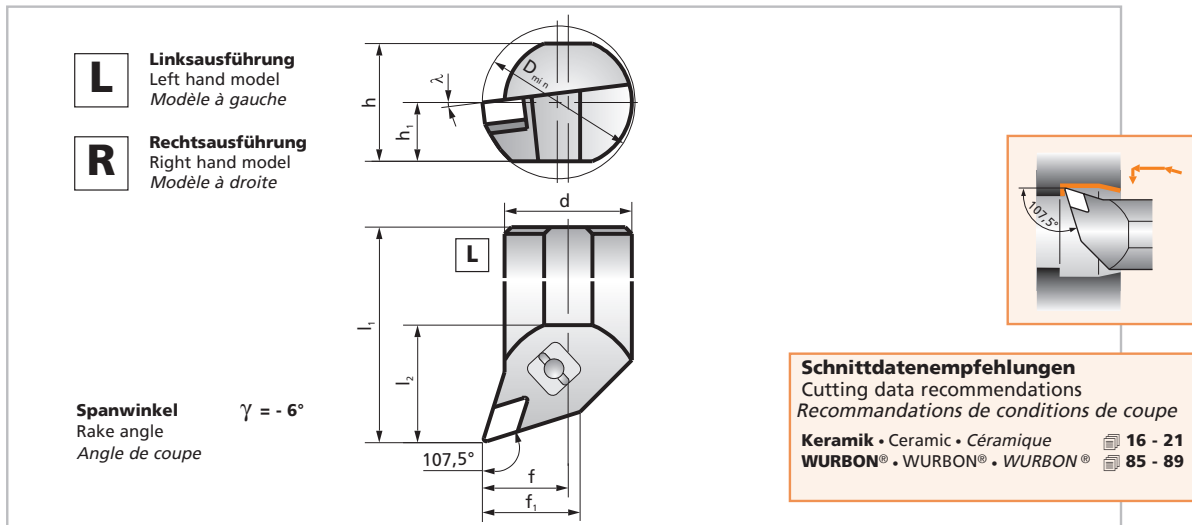
IKS-Ausdrehwerkzeuge

IKS Boring tools

Porte-outils IKS pour l'alésage

S40T - CDQN ☐

S40T - PDQN ☐

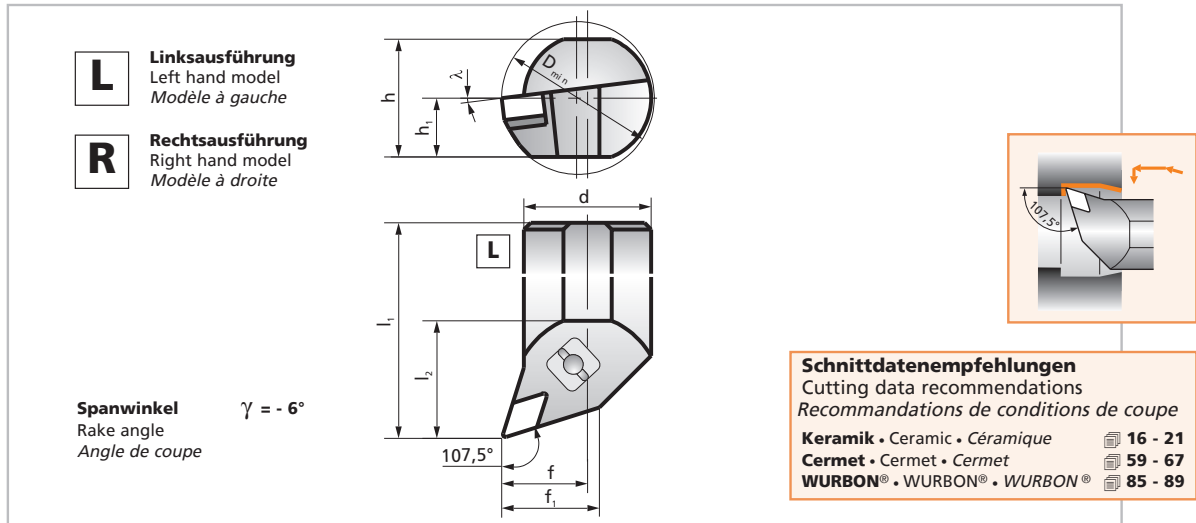


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)								
		d	h ₁	l ₁	l ₂	f	f ₁	h	λ	D _{min}
DN .. 12	Ø 40	40	18,5	300	50	27	33	37	-12°	70

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

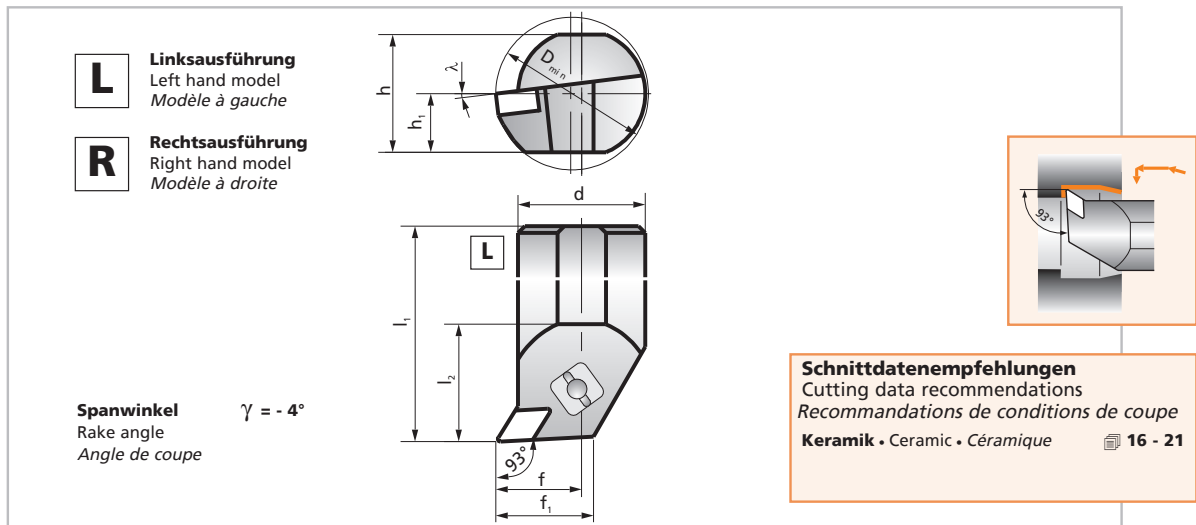
S50U - CDQN ☐
S50U - PDQN ☐

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



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	70.91.15.011.0 70.91.15.010.0 70.91.15.005.0 70.91.15.005.0	70.91.22.020.0 70.91.22.020.0 70.91.22.020.0 70.91.22.020.0
	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	70.91.11.720.6 70.91.11.720.6	70.91.22.020.0 70.91.22.020.0
	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	70.91.11.332.0 70.91.11.332.0	70.91.22.020.0 70.91.22.020.0
	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	70.91.15.005.0 70.91.15.005.0	70.91.26.012.6 70.91.26.012.6
	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	70.91.15.005.0 70.91.15.005.0	70.91.26.050.6 70.91.26.050.6

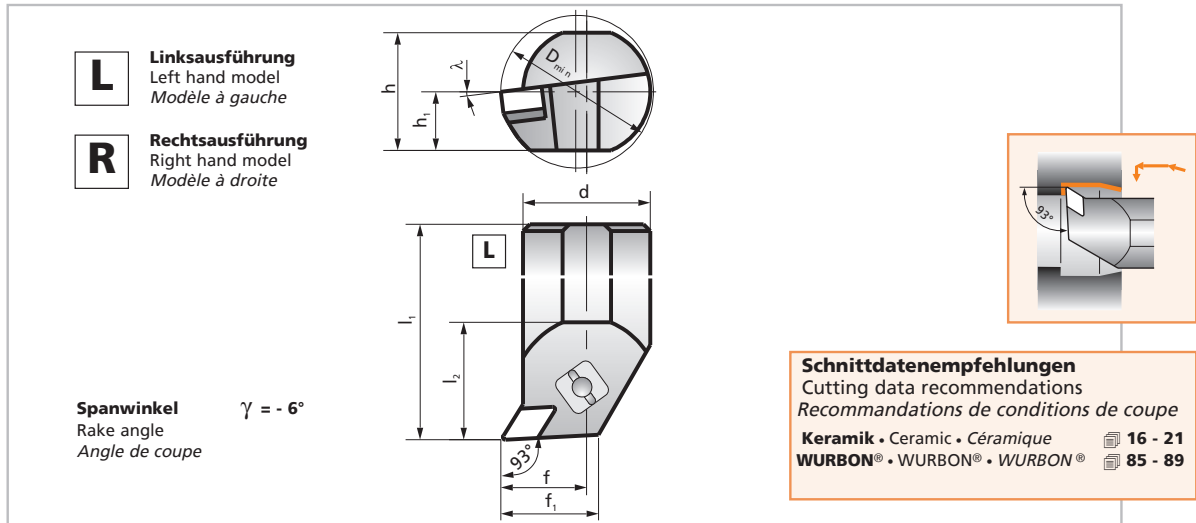


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)								
		d	h ₁	l ₁	l ₂	f	f ₁	h	λ	D _{min}
DN . X 12	Ø 32	32	15	250	40	22	32	30	-13°	40

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

S40T - CDUN ☐
S40T - PDUN ☐

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



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 S 40 T - CDUN R 12 - IC 4 S 40 T - CDUN L 12 - ID 4 S 40 T - CDUN R 12 - ID 4	751.24.003.04	70.91.15.014.0	70.91.22.019.0	
		751.23.003.04	70.91.15.013.0	70.91.22.019.0	
		751.24.003.02	70.91.15.001.0	70.91.22.019.0	
		751.23.003.02	70.91.15.001.0	70.91.22.019.0	
DN . N 12 07 .. 	S 40 T - CDUN L 12 - IC 7 S 40 T - CDUN R 12 - IC 7 S 40 T - CDUN L 12 - ID 7 S 40 T - CDUN R 12 - ID 7	751.24.003.03	70.91.15.014.0	70.91.22.018.0	
		751.23.003.03	70.91.15.013.0	70.91.22.018.0	
		751.24.003.01	70.91.15.001.0	70.91.22.018.0	
		751.23.003.01	70.91.15.001.0	70.91.22.018.0	
DN . X 12 07 .. 	S 40 T - CDUN L 12 - IX 7 S 40 T - CDUN R 12 - IX 7	751.24.003.05	70.91.11.316.0	70.91.22.018.0	
		751.23.003.05	70.91.11.316.0	70.91.22.018.0	
DN . A 12 04 .. 	S 40 T - PDUN L 12 - IP 4 S 40 T - PDUN R 12 - IP 4	751.24.003.08	70.91.15.001.0		70.91.26.011.6 70.91.26.011.6
		751.23.003.08	70.91.15.001.0		

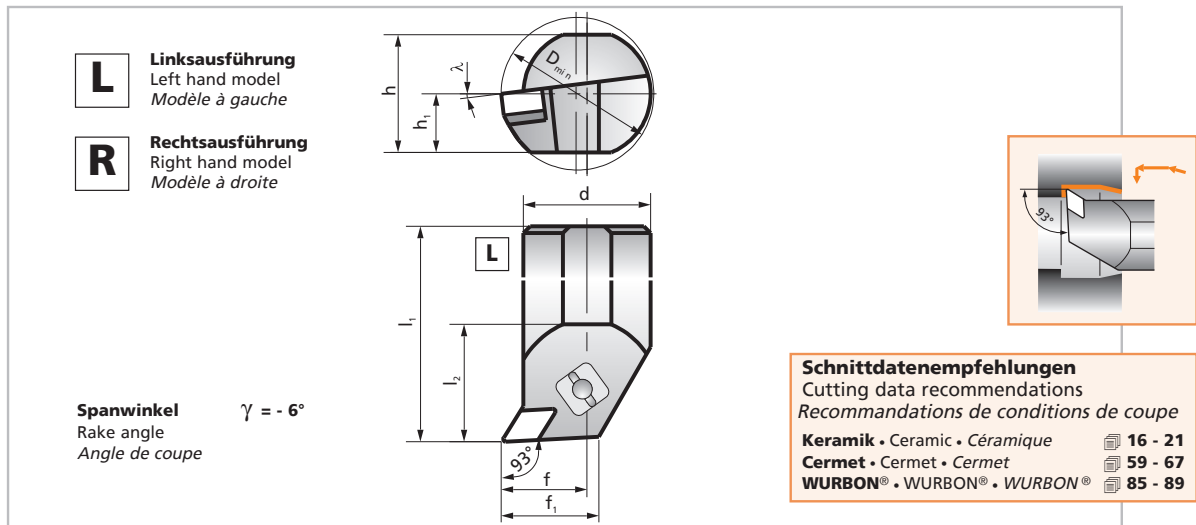
IKS-Ausdrehwerkzeuge

IKS Boring tools

Porte-outils IKS pour l'alésage

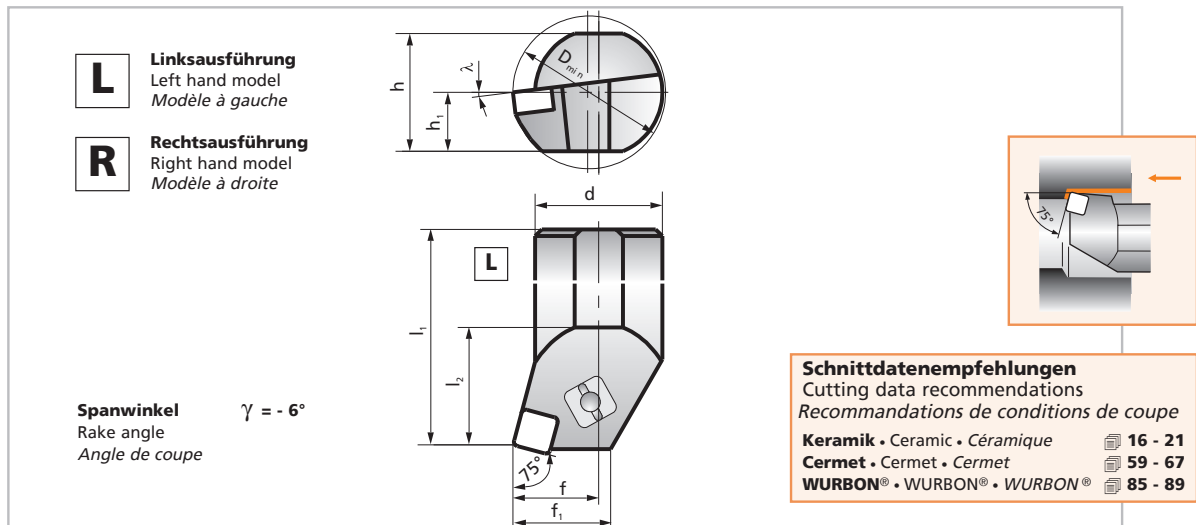
S50U - CDUN ☐

S50U - PDUN ☐



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	70.91.15.011.0 70.91.15.010.0 70.91.15.005.0 70.91.15.005.0	70.91.22.020.0 70.91.22.020.0 70.91.22.020.0 70.91.22.020.0
	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	70.91.11.720.6 70.91.11.720.6	70.91.22.020.0 70.91.22.020.0
	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	70.91.11.332.0 70.91.11.332.0	70.91.22.020.0 70.91.22.020.0
	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	70.91.15.005.0 70.91.15.005.0	70.91.26.012.6 70.91.26.012.6
	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	70.91.15.005.0 70.91.15.005.0	70.91.26.050.6 70.91.26.050.6



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 	SN . X 12 07 ..	S 32 S - CSKN L 12 - IK 7 S 32 S - CSKN R 12 - IK 7	751.04.011.25 751.03.011.25	70.91.11.718.6 70.91.11.718.6	
	SN . X 12 07 ..	S 32 S - CSKN L 12 - IX 7 S 32 S - CSKN R 12 - IX 7	751.04.011.05 751.03.011.05	70.91.11.316.0 70.91.11.316.0	

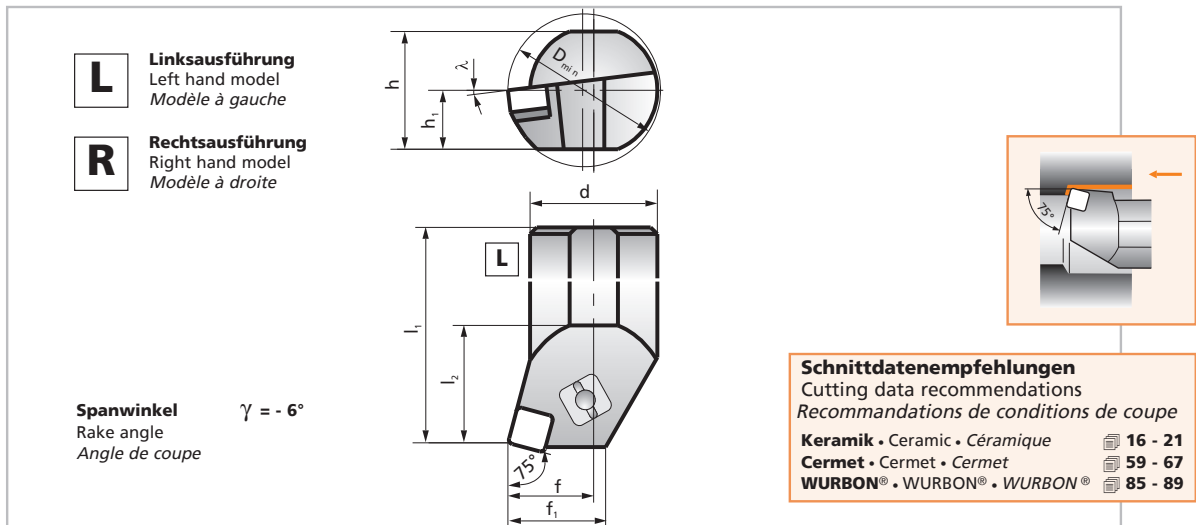
IKS-Ausdrehwerkzeuge

IKS Boring tools

Porte-outils IKS pour l'alésage

S40T - CSKN ☐

S40T - CSKN ☐

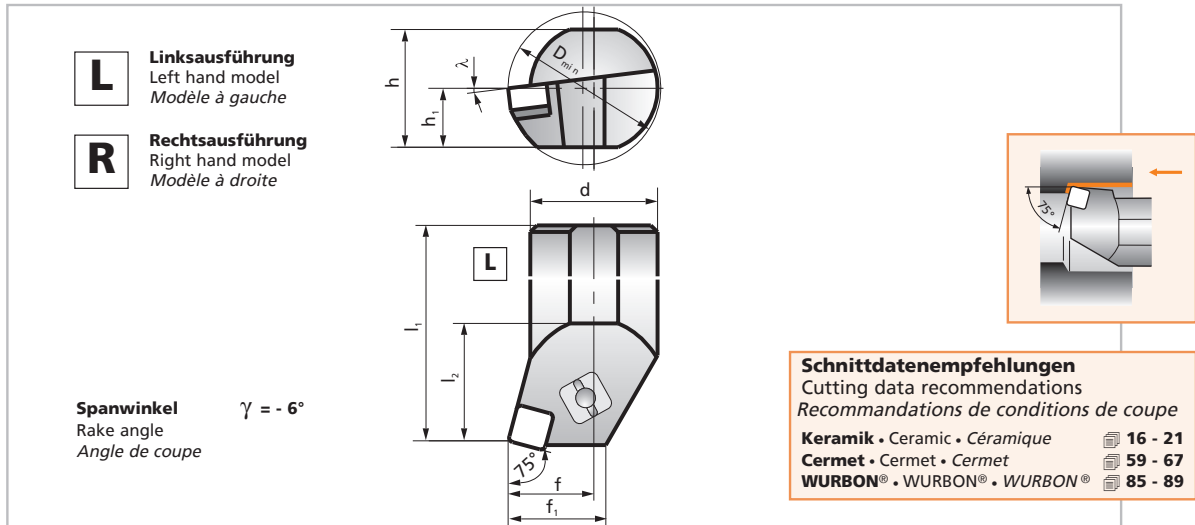


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)								
		d	h ₁	l ₁	l ₂	f	f ₁	h	λ	D _{min}
SN .. 12	Ø 40	40	18,5	300	67	27	33	37	-12°	70

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

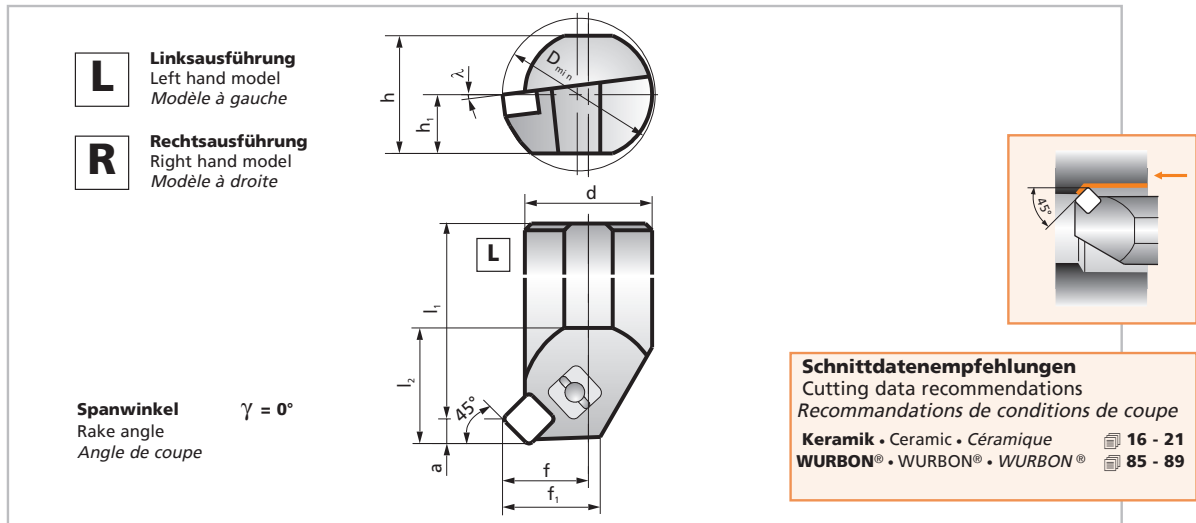
S50U - CSKN ☐
S50U - PSKN ☐

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



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	70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0	70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 70.91.22.011.0
	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	70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0	70.91.22.010.0 70.91.22.010.0 70.91.22.010.0 70.91.22.010.0
	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	70.91.11.718.6 70.91.11.718.6	70.91.22.011.0 70.91.22.011.0
	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	70.91.11.718.6 70.91.11.718.6	70.91.22.010.0 70.91.22.010.0
	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	70.91.11.316.0 70.91.11.316.0	70.91.22.010.0 70.91.22.010.0
	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	70.91.15.005.0 70.91.15.005.0	70.91.26.007.6 70.91.26.007.6



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 . X 12	Ø 32	32	15	250	40	22	32	30	-16°	8,32	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 	SN . X 12 07 ..	S 32 S - CSSN L 12 - IK 7	751.04.009.25	70.91.13.718.6		
		S 32 S - CSSN R 12 - IK 7	751.03.009.25	70.91.13.718.6		
	SN . X 12 07 ..	S 32 S - CSSN L 12 - IX 7	751.04.009.05	70.91.13.316.0		
		S 32 S - CSSN R 12 - IX 7	751.03.009.05	70.91.13.316.0		

S40T - CSSN ☐
S40T - PSSN ☐

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

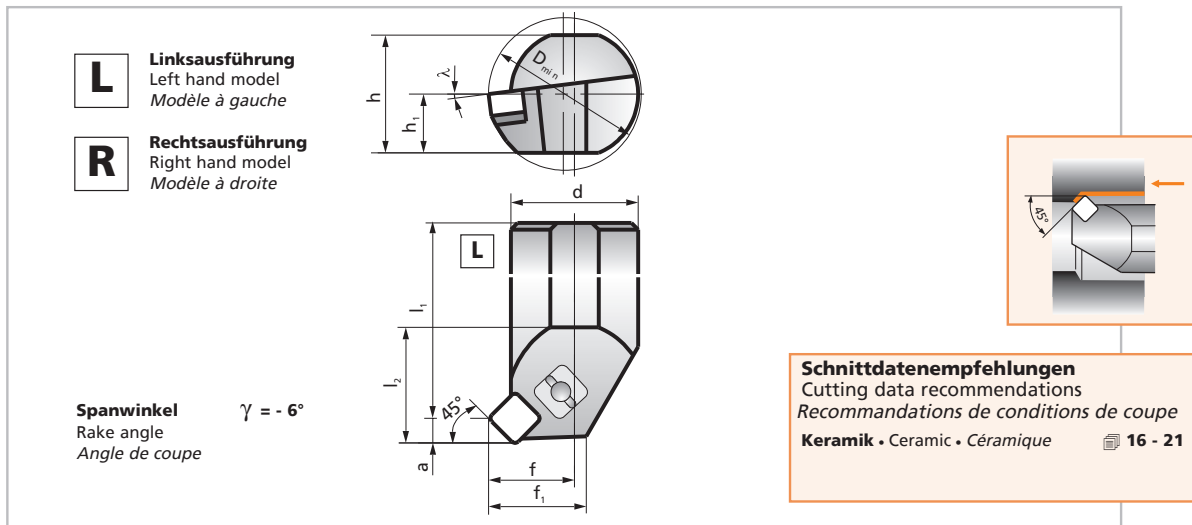
Spanwinkel $\gamma = -6^\circ$
Rake angle
Angle de coupe

Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe

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Cermet • Cermet • Cermet 59 - 67
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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 S 40 T - CSSN R 12 - IC 4 S 40 T - CSSN L 12 - ID 4 S 40 T - CSSN R 12 - ID 4	751.04.001.04 751.03.001.04 751.04.001.02 751.03.001.02	70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0	70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 70.91.22.011.0
	SN . N 12 07 ..	S 40 T - CSSN L 12 - IC 7 S 40 T - CSSN R 12 - IC 7 S 40 T - CSSN L 12 - ID 7 S 40 T - CSSN R 12 - ID 7	751.04.001.03 751.03.001.03 751.04.001.01 751.03.001.01	70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0	70.91.22.010.0 70.91.22.010.0 70.91.22.010.0 70.91.22.010.0
	SN . X 12 04 ..	S 40 T - CSSN L 12 - IK 4 S 40 T - CSSN R 12 - IK 4	751.04.001.29 751.03.001.29	70.91.11.718.6 70.91.11.718.6	70.91.22.011.0 70.91.22.011.0
	SN . X 12 07 ..	S 40 T - CSSN L 12 - IK 7 S 40 T - CSSN R 12 - IK 7	751.04.001.25 751.03.001.25	70.91.11.718.6 70.91.11.718.6	70.91.22.010.0 70.91.22.010.0
	SN . X 12 07 ..	S 40 T - CSSN L 12 - IX 7 S 40 T - CSSN R 12 - IX 7	751.04.001.05 751.03.001.05	70.91.11.316.0 70.91.11.316.0	70.91.22.010.0 70.91.22.010.0
	SN . A 12 04 ..	S 40 T - PSSN L 12 - IP 4 S 40 T - PSSN R 12 - IP 4	751.04.001.08 751.03.001.08	70.91.15.005.0 70.91.15.005.0	70.91.26.007.6 70.91.26.007.6



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		
					
IKS - PRO	SN . N 15 04 .. 	S 50 U - CSSN L 15 - IC 4	751.04.002.04	70.91.15.008.0	70.91.22.013.0
		S 50 U - CSSN R 15 - IC 4	751.03.002.04	70.91.15.007.0	70.91.22.013.0
		S 50 U - CSSN L 15 - ID 4	751.04.002.02	70.91.15.005.0	70.91.22.013.0
		S 50 U - CSSN R 15 - ID 4	751.03.002.02	70.91.15.005.0	70.91.22.013.0
	SN . N 15 07 .. 	S 50 U - CSSN L 15 - IC 7	751.04.002.03	70.91.15.008.0	70.91.22.012.0
		S 50 U - CSSN R 15 - IC 7	751.03.002.03	70.91.15.007.0	70.91.22.012.0
		S 50 U - CSSN L 15 - ID 7	751.04.002.01	70.91.15.005.0	70.91.22.012.0
		S 50 U - CSSN R 15 - ID 7	751.03.002.01	70.91.15.005.0	70.91.22.012.0
	SN . X 15 07 .. 	S 50 U - CSSN L 15 - IK 7	751.04.002.25	70.91.11.718.6	70.91.22.012.0
		S 50 U - CSSN R 15 - IK 7	751.03.002.25	70.91.11.718.6	70.91.22.012.0
	SN . X 15 07 .. 	S 50 U - CSSN L 15 - IX 7	751.04.002.05	70.91.11.316.0	70.91.22.012.0
		S 50 U - CSSN R 15 - IX 7	751.03.002.05	70.91.11.316.0	70.91.22.012.0

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	SN . X 12 07 .. 	S 32 S - CSYN L 12 - IK 7 S 32 S - CSYN R 12 - IK 7	751.04.013.25 751.03.013.25	70.91.11.718.6 70.91.11.718.6		
	SN . X 12 07 .. 	S 32 S - CSYN L 12 - IX 7 S 32 S - CSYN R 12 - IX 7	751.04.013.05 751.03.013.05	70.91.11.316.0 70.91.11.316.0		

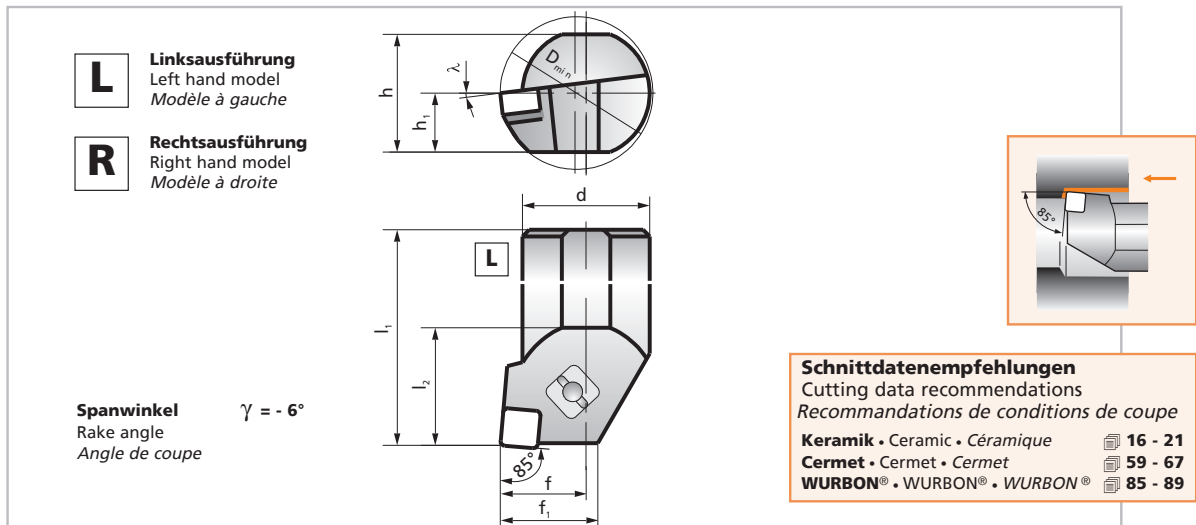
IKS-Ausdrehwerkzeuge

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

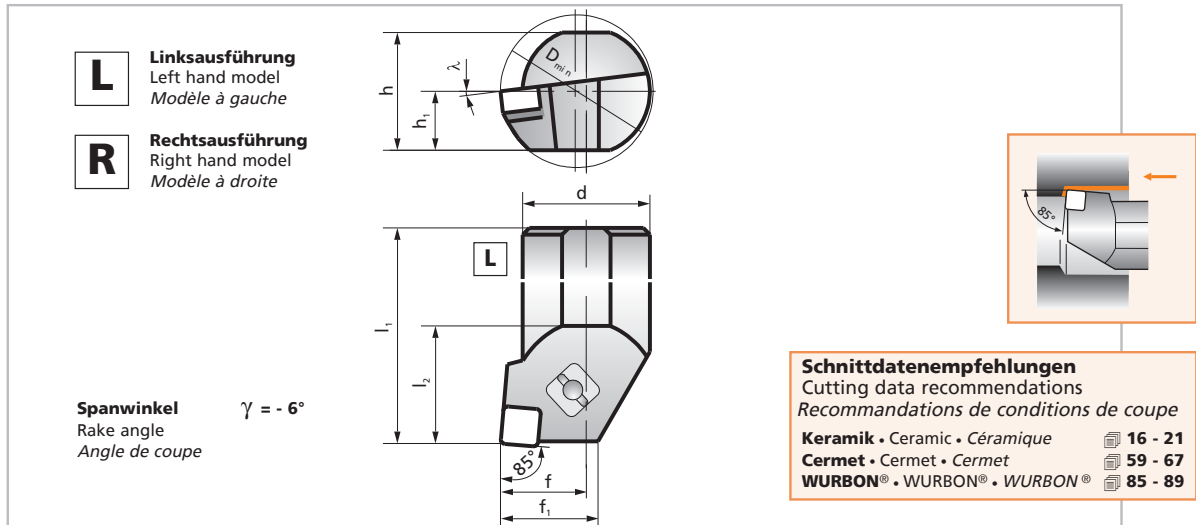
SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
					
IKS - PRO	SN . N 12 04 ..	S 40 T - CSYN L 12 - IC 4 S 40 T - CSYN R 12 - IC 4 S 40 T - CSYN L 12 - ID 4 S 40 T - CSYN R 12 - ID 4	751.04.006.04 751.03.006.04 751.04.006.02 751.03.006.02	70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0	70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 70.91.22.011.0
	SN . N 12 07 ..	S 40 T - CSYN L 12 - IC 7 S 40 T - CSYN R 12 - IC 7 S 40 T - CSYN L 12 - ID 7 S 40 T - CSYN R 12 - ID 7	751.04.006.03 751.03.006.03 751.04.006.01 751.03.006.01	70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0	70.91.22.010.0 70.91.22.010.0 70.91.22.010.0 70.91.22.010.0
	SN . X 12 04 ..	S 40 T - CSYN L 12 - IK 4 S 40 T - CSYN R 12 - IK 4	751.04.006.29 751.03.006.29	70.91.11.718.6 70.91.11.718.6	70.91.22.011.0 70.91.22.011.0
	SN . X 12 07 ..	S 40 T - CSYN L 12 - IK 7 S 40 T - CSYN R 12 - IK 7	751.04.006.25 751.03.006.25	70.91.11.718.6 70.91.11.718.6	70.91.22.010.0 70.91.22.010.0
	SN . X 12 07 ..	S 40 T - CSYN L 12 - IX 7 S 40 T - CSYN R 12 - IX 7	751.04.006.05 751.03.006.05	70.91.11.316.0 70.91.11.316.0	70.91.22.010.0 70.91.22.010.0
	SN . A 12 04 ..	S 40 T - PSYN L 12 - IP 4 S 40 T - PSYN R 12 - IP 4	751.04.006.08 751.03.006.08	70.91.15.005.0 70.91.15.005.0	70.91.25.007.6 70.91.25.007.6

S50U - CSYN ☐
S50U - PSYN ☐

IKS-Ausdrehwerkzeuge

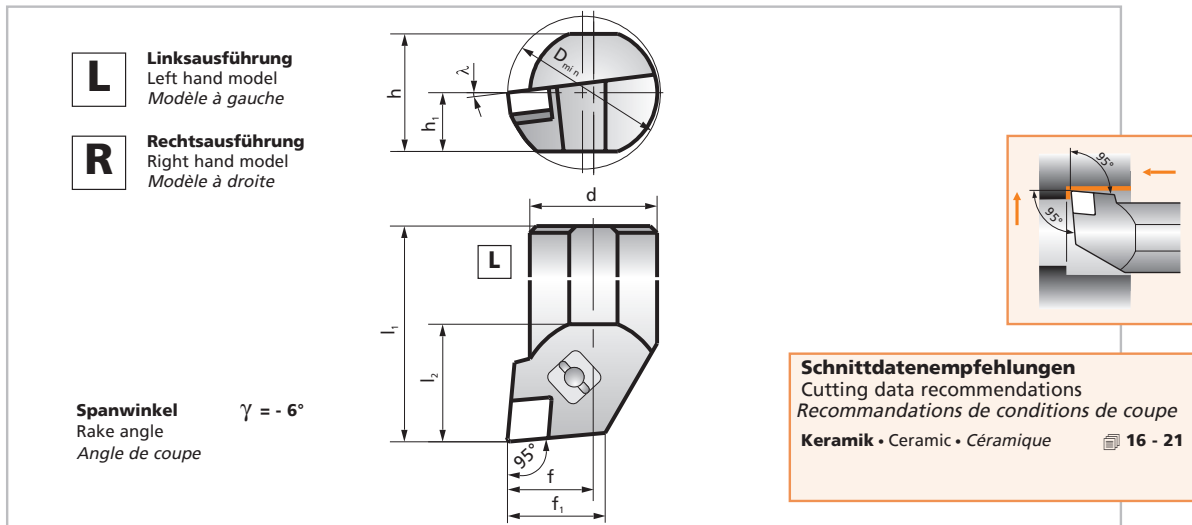
IKS Boring tools

Porte-outils IKS pour l'alésage



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 S 50 U - CSYN R 12 - IC 4 S 50 U - CSYN L 12 - ID 4 S 50 U - CSYN R 12 - ID 4	751.04.007.04 751.03.007.04 751.04.007.02 751.03.007.02	70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0	70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 70.91.22.011.0	
SN . N 12 07 ..	S 50 U - CSYN L 12 - IC 7 S 50 U - CSYN R 12 - IC 7 S 50 U - CSYN L 12 - ID 7 S 50 U - CSYN R 12 - ID 7	751.04.007.03 751.03.007.03 751.04.007.01 751.03.007.01	70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0	70.91.22.010.0 70.91.22.010.0 70.91.22.010.0 70.91.22.010.0	
SN . X 12 04 ..	S 50 U - CSYN L 12 - IK 4 S 50 U - CSYN R 12 - IK 4	751.04.007.29 751.03.007.29	70.91.11.718.6 70.91.11.718.6	70.91.22.011.0 70.91.22.011.0	
SN . X 12 07 ..	S 50 U - CSYN L 12 - IK 7 S 50 U - CSYN R 12 - IK 7	751.04.007.25 751.03.007.25	70.91.11.718.6 70.91.11.718.6	70.91.22.010.0 70.91.22.010.0	
SN . X 12 07 ..	S 50 U - CSYN L 12 - IX 7 S 50 U - CSYN R 12 - IX 7	751.04.007.05 751.03.007.05	70.91.11.316.0 70.91.11.316.0	70.91.22.010.0 70.91.22.010.0	
SN . A 12 04 ..	S 50 U - PSYN L 12 - IP 4 S 50 U - PSYN R 12 - IP 4	751.04.007.08 751.03.007.08	70.91.15.005.0 70.91.15.005.0		70.91.26.007.6 70.91.26.007.6

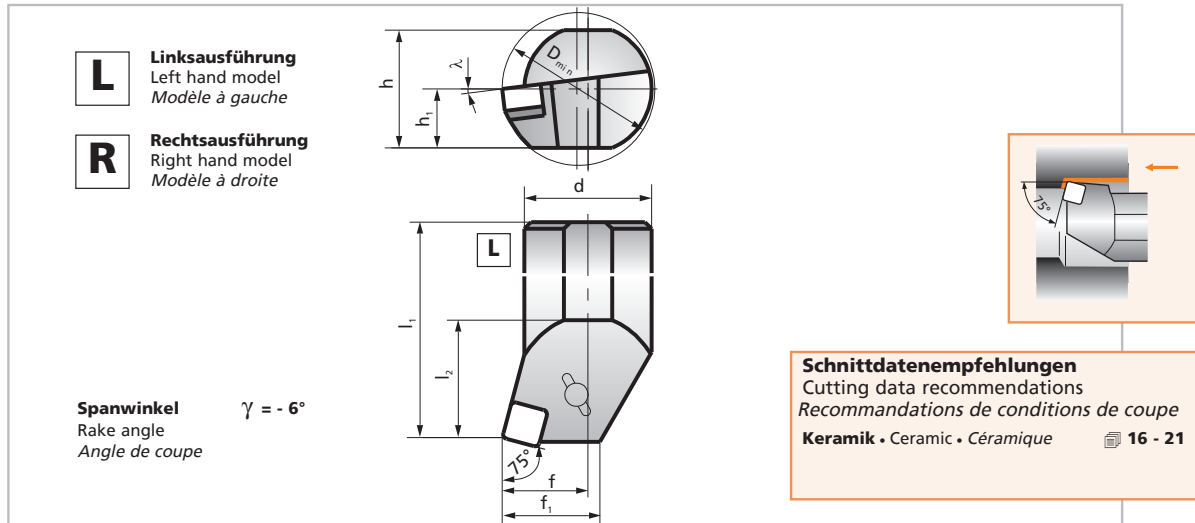


SPK-Schneidplatte SPK insert <i>Plaquette SPK</i>	Schaft Shank <i>Corps</i>	Abmessungen • Dimensions • Dimensions (mm)								
		d	h ₁	l ₁	l ₂	f	f ₁	h	λ	D _{min}
CN . X 12	Ø 40	40	18,5	300	35	27	33	37	-12°	50
CN . X 12	Ø 50	50	23,5	350	35	32	38	47	-12°	63

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 CCLN R 00 40 T 12 - X CCLN L 00 50 U 12 - X CCLN R 00 50 U 12 - X	750.24.018.05			
		750.23.018.05			
		750.24.019.05			
		750.23.019.05			
CN . X 12 07 ..			70.91.11.241.0		70.91.53.275.0
			70.91.11.241.0		70.91.53.275.0
			70.91.11.241.0		70.91.53.275.0
			70.91.11.241.0		70.91.53.275.0

CSKN □ 40
CSKN □ 50

Ausdrehwerkzeuge Boring tools Porte-outils pour l'alésage



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 . 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		
					
	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

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**

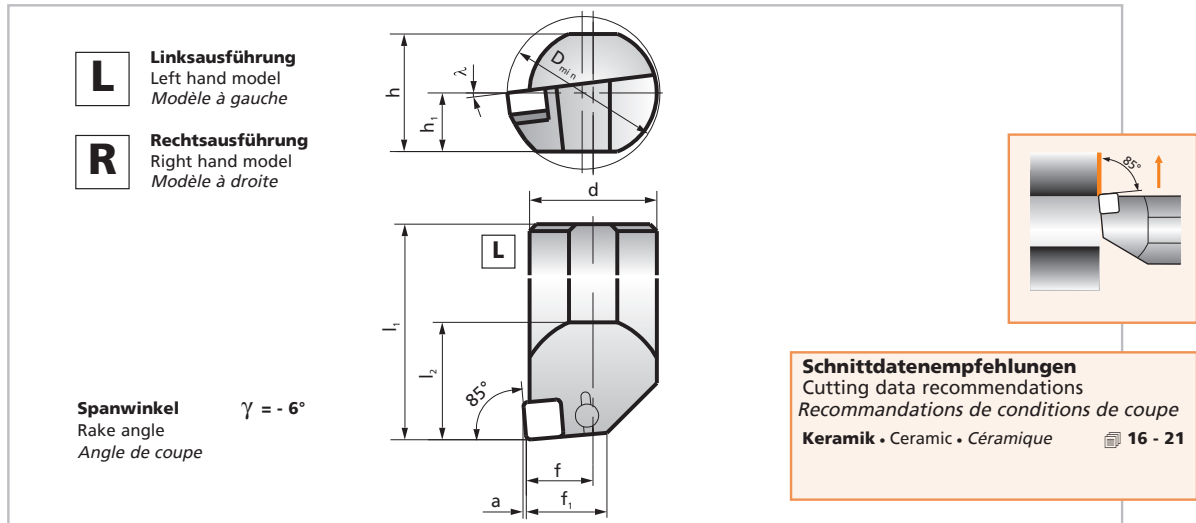
SPK-Schneidplatte SPK insert <i>Plaquette SPK</i>	Schaft Shank <i>Corps</i>	Abmessungen • Dimensions • Dimensions (mm)									
		d	h ₁	l ₁	l ₂	f	f ₁	h	λ	a	D _{min}
SN . N 12	Ø 40	40	18,5	300	505	27	33	37	-12°	8,32	50

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 12 07 .. 	CSSN L 00 40 T 12 - P	750.04.024.05			
	CSSN R 00 40 T 12 - P	750.03.024.05	70.91.11.229.0 70.91.11.230.0** 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

CSXN □ 40
CSXN □ 50

Ausdrehwerkzeuge Boring tools Porte-outils pour l'alésage



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

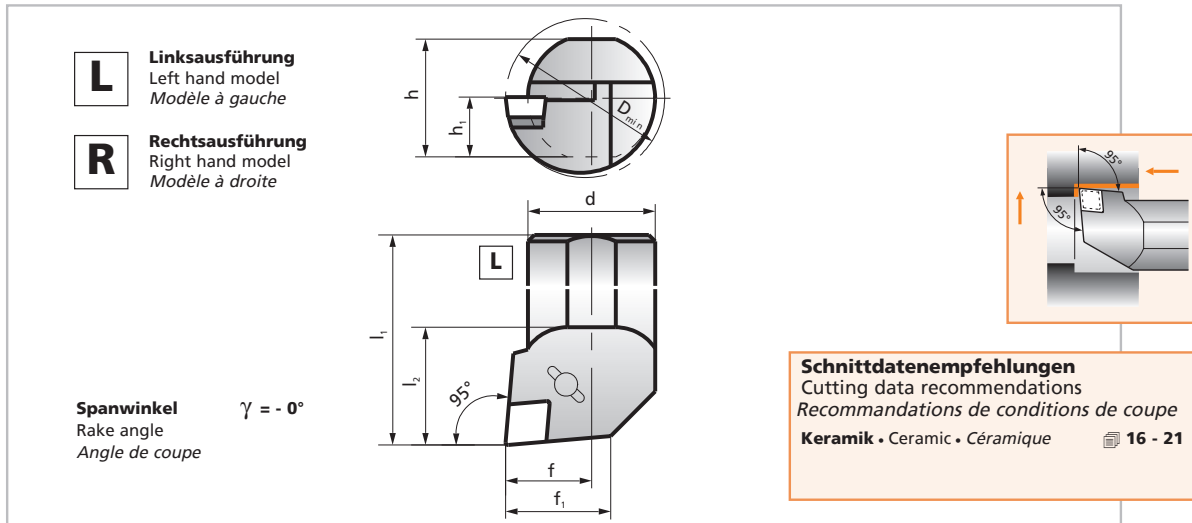
SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
	CSXN L 00 40 T 12 - P	750.04.013.05	70.91.11.229.0 70.91.11.230.0**	70.91.00.048.0	70.91.53.064.0
	CSXN R 00 40 T 12 - P	750.03.013.05	70.91.11.229.0 70.91.11.230.0**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

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

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

S40T - CCLC ☐

S50U - CCLC ☐



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

SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
	S 40 T - CCLC L 12 - IC 4	751.28.002.04			70.91.22.146.0
	S 40 T - CCLC R 12 - IC 4	751.27.002.04			70.91.22.146.0
	S 50 U - CCLC L 12 - IC 4	751.28.003.04			70.91.22.146.0
	S 50 U - CCLC R 12 - IC 4	751.27.003.04			70.91.22.146.0
	S 40 T - CCLC L 12 - ID 4	751.28.002.02			70.91.22.146.0
	S 40 T - CCLC R 12 - ID 4	751.27.002.02			70.91.22.146.0
	S 50 U - CCLC L 12 - ID 4	751.28.003.02			70.91.22.146.0
	S 50 U - CCLC R 12 - ID 4	751.27.003.02			70.91.22.146.0
	S 40 T - CCLC L 12 - IX 6	751.28.002.05			70.91.22.143.0
	S 40 T - CCLC R 12 - IX 6	751.27.002.05			70.91.22.143.0
	S 50 U - CCLC L 12 - IX 6	751.28.003.05			70.91.22.143.0
	S 50 U - CCLC R 12 - IX 6	751.27.003.05			70.91.22.143.0

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

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

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

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

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

Schnittdatenempfehlungen
 Cutting data recommendations
 Recommandations de conditions de coupe

Keramik • Ceramic • Céramique **16 - 21**

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

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

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

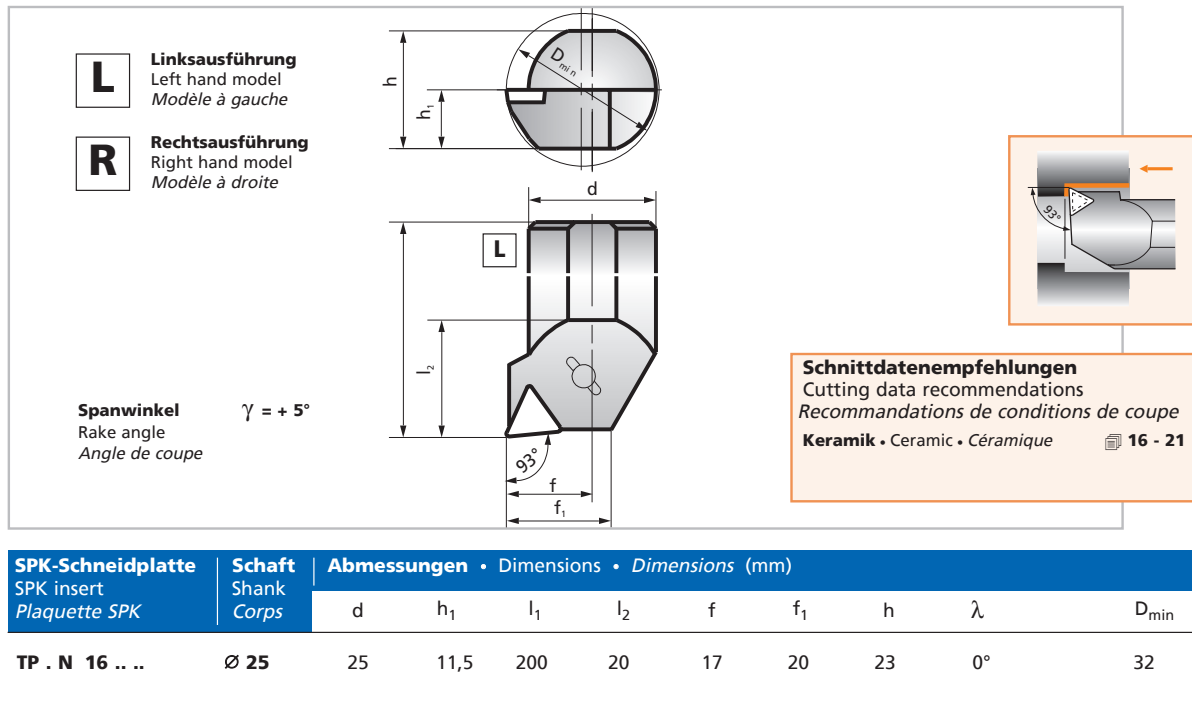
Schnittdatenempfehlungen
Cutting data recommendations
Recommandations de conditions de coupe

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 ..	CTUC L 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
	CTUC R 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



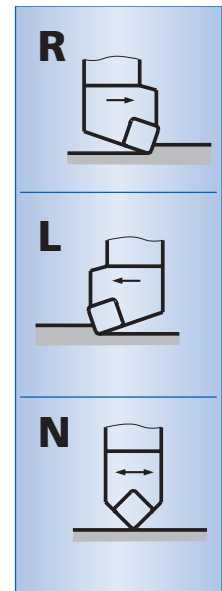
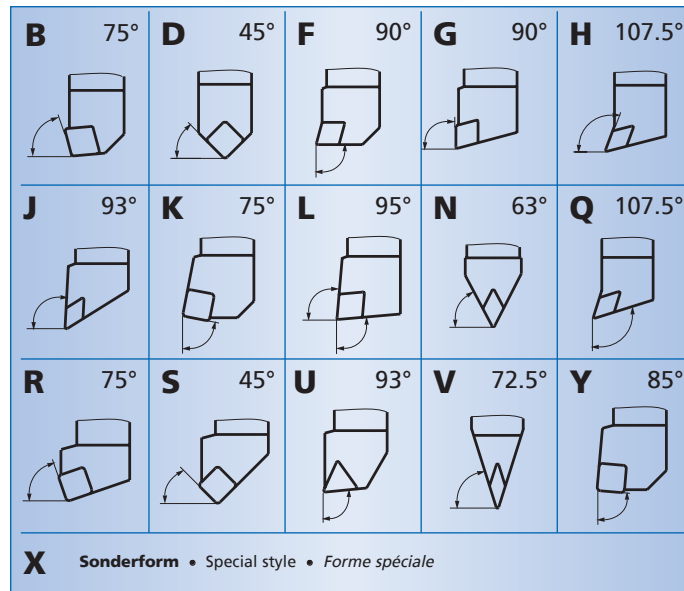
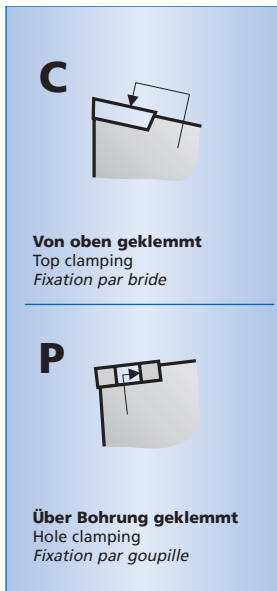
SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
					
TP . N 16 03 ..	CTUP L 00 25 R 16 CTUP R 00 25 R 16	750.12.001.02 750.11.001.02	70.91.11.230.0 70.91.11.230.0	70.91.00.092.0 70.91.00.092.0	



Bezeichnungssystem für Kurzklemmhalter nach ISO 5608

Designation system for cartridges ISO 5608

Système de dénomination ISO 5608 pour cartouches



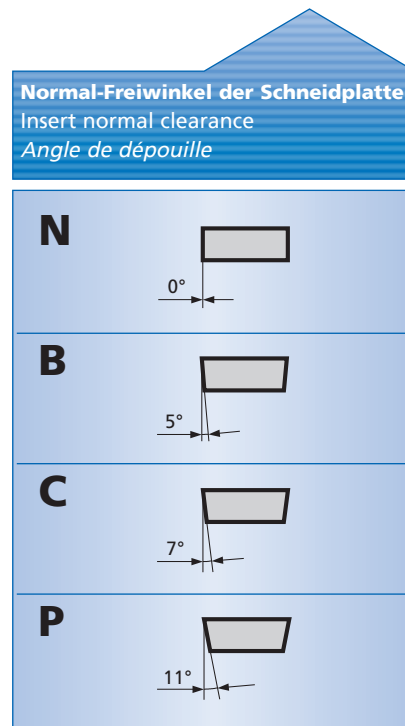
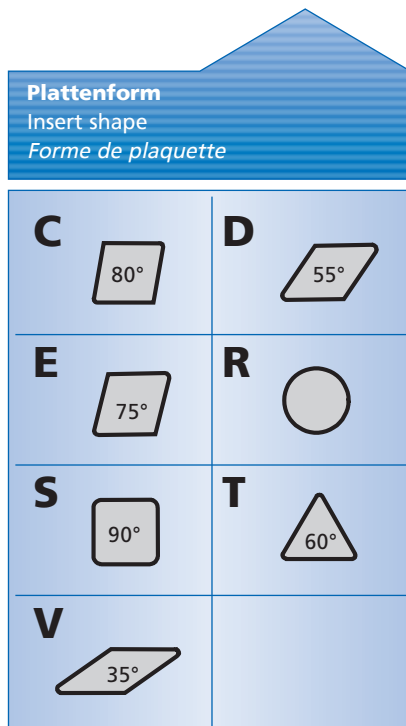
C

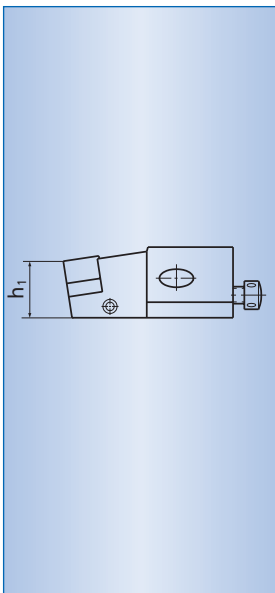
S

R

N

L





Werkzeughöhe
Tool height
Hauteur d'outil

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

Plattengröße
Insert size
Grandeur de la plaquette

Kennzahl Index Code	S mm
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

ID



IC



IK



IX



IP





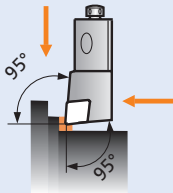
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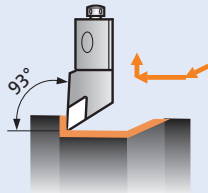
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CCLN L / R 16 CA
CCLN L / R 20 CA



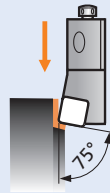
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CDJN L / R 16 CA
CDJN L / R 20 CA



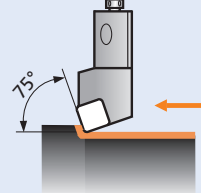
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CSKN L / R 16 CA
CSKN L / R 20 CA



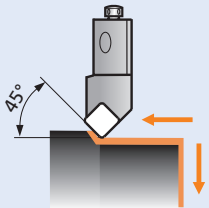
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CSRN L / R 16 CA
CSRN L / R 20 CA



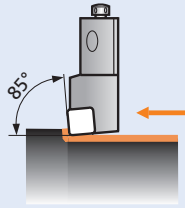
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CSSN L / R 16 CA
CSSN L / R 20 CA



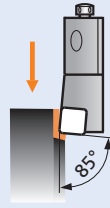
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CSXN L / R 16 CA
CSXN L / R 20 CA



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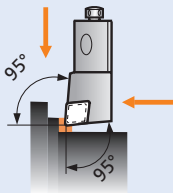
CSYN L / R 16 CA
CSYN L / R 20 CA



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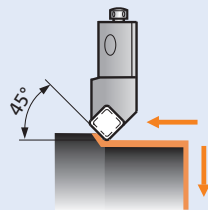
IKS-Kurzklemmhalter positiv • IKS Cartridges positive • Cartouches IKS positives

CCLC L / R 20 CA



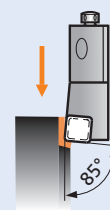
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CSSC L / R 20 CA



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CSYC L / R 20 CA



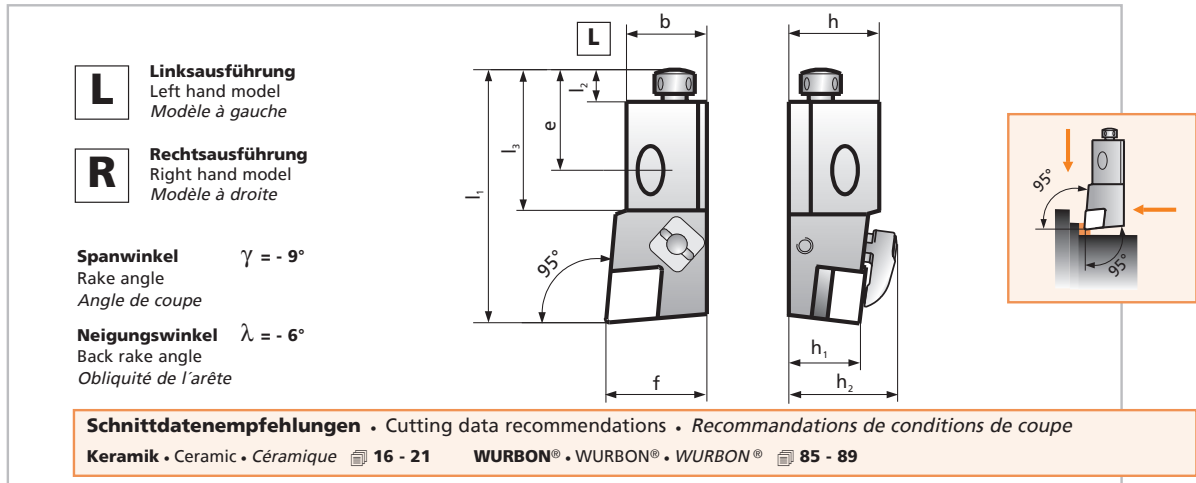
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IKS-Kurzklemhalter

IKS Cartridges
Cartouches IKS

CCLN □ 16CA

CCLN □ 20CA

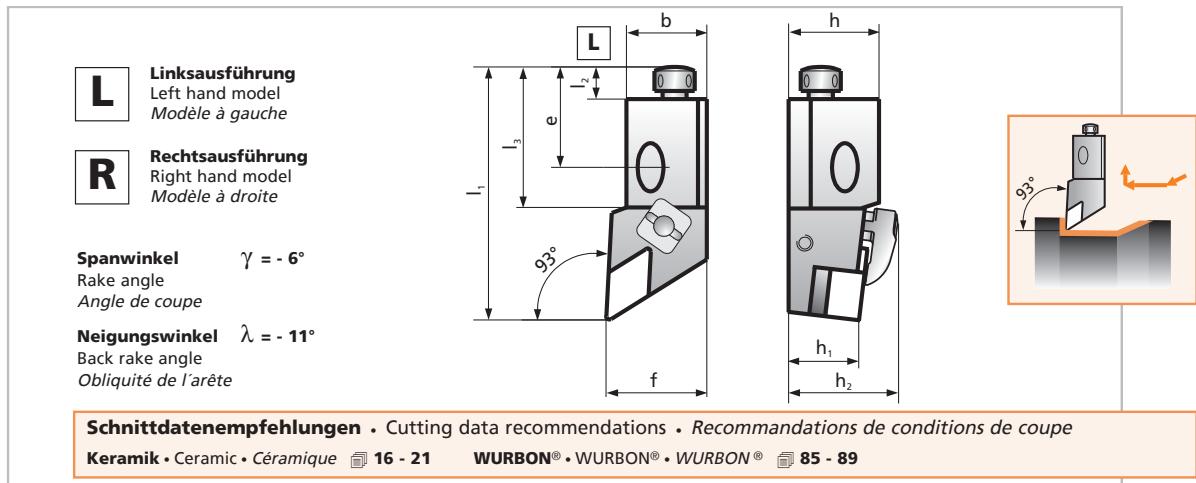


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shaft Corps	Abmessungen • Dimensions • Dimensions (mm)									
		h_1	f	h	b	l_1	l_2	l_3	h_2	e	D_{min}
CN . . 12 . . .	16 CA	16	25	25	20	63	8	34	32	25	60
	20 CA	20	25	25	20	70	10	41	36	30	70

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
	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		
CN . X 1204 ..	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
	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		
CN . X 1207 ..	CCLN L 20 CA -12 - IX 7	751.24.305.05	70.91.13.316.0	70.91.22.014.1	70.91.50.260.0
	CCLN R 20 CA -12 - IX 7	751.23.305.05	70.91.13.316.0	70.91.22.014.1	70.91.50.260.0

CDJN □ 16CA
CDJN □ 20CA

IKS-Kurzklemmhalter
IKS Cartridges
Cartouches IKS



SPK-Schneidplatte SPK insert Plaquette SPK	Schaft 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

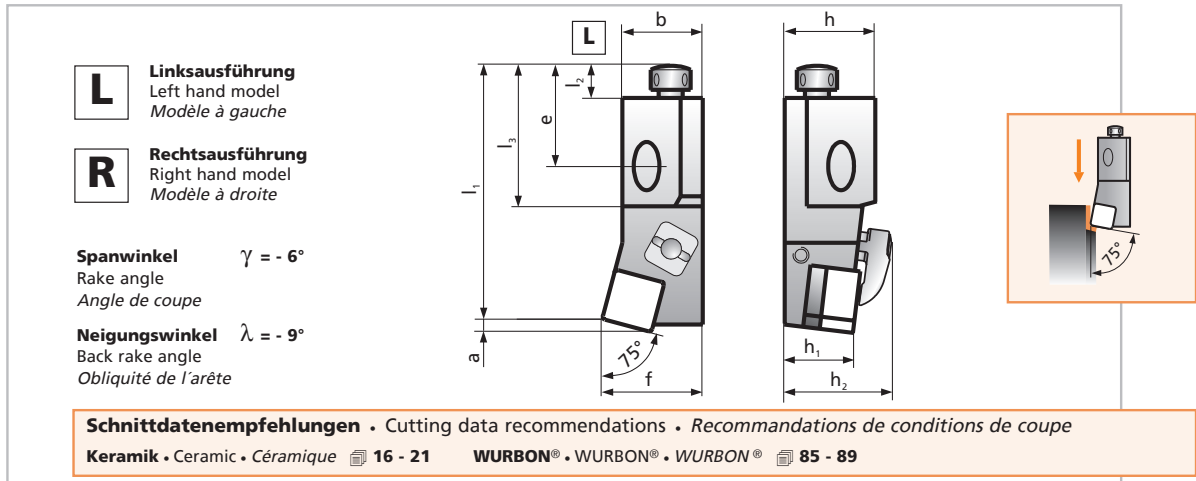
IKS-Kurzklemhalter

IKS Cartridges

Cartouches IKS

CSKN □ 16CA

CSKN □ 20CA

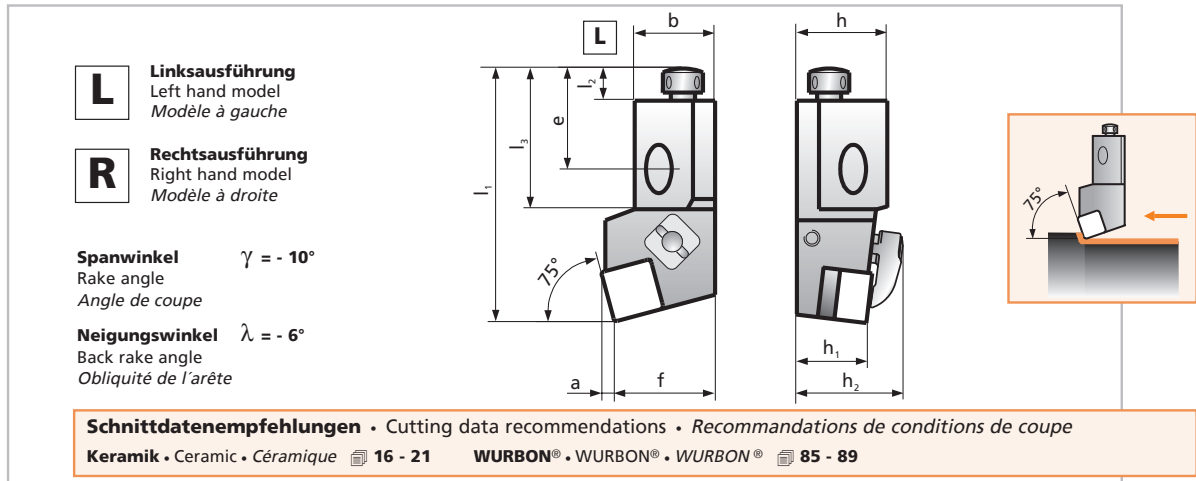


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shaft Corps	Abmessungen • Dimensions • Dimensions (mm)										
		h_1	f	h	b	l_1	l_2	l_3	h_2	e	a	D_{min}
SN .. 12	16 CA	16	25	25	20	63	8	35	32	25	3,06	60
	20 CA	20	25	25	20	70	10	42	36	30	3,06	70

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 ..  SN . N 1207 .. 	CSKN L 16 CA -12 - ID 4 CSKN R 16 CA -12 - ID 4 CSKN L 20 CA -12 - ID 4 CSKN R 20 CA -12 - ID 4	751.04.310.02	70.91.15.029.0	70.91.22.072.1	70.91.50.260.0
		751.03.310.02	70.91.15.029.0	70.91.22.072.1	70.91.50.260.0
		751.04.309.02	70.91.15.029.0	70.91.22.011.1	70.91.50.260.0
		751.03.309.02	70.91.15.029.0	70.91.22.011.1	70.91.50.260.0
	CSKN L 16 CA -12 - ID 7 CSKN R 16 CA -12 - ID 7 CSKN L 20 CA -12 - ID 7 CSKN R 20 CA -12 - ID 7	751.04.310.01	70.91.15.029.0		
		751.03.310.01	70.91.15.029.0		
		751.04.309.01	70.91.15.029.0	70.91.22.010.1	70.91.50.260.0
		751.03.309.01	70.91.15.029.0	70.91.22.010.1	70.91.50.260.0
IKS - PRO SN . X 1204 ..  SN . X 1207 .. 	CSKN L 16 CA -12 - IK 4 CSKN R 16 CA -12 - IK 4 CSKN L 20 CA -12 - IK 4 CSKN R 20 CA -12 - IK 4	751.04.310.29	70.91.13.718.6	70.91.22.072.1	70.91.50.260.0
		751.03.310.29	70.91.13.718.6	70.91.22.072.1	70.91.50.260.0
		751.04.309.29	70.91.13.718.6	70.91.22.011.1	70.91.50.260.0
		751.03.309.29	70.91.13.718.6	70.91.22.011.1	70.91.50.260.0
	CSKN L 16 CA -12 - IK 7 CSKN R 16 CA -12 - IK 7 CSKN L 20 CA -12 - IK 7 CSKN R 20 CA -12 - IK 7	751.04.310.25	70.91.13.718.6		
		751.03.310.25	70.91.13.718.6		
		751.04.309.25	70.91.13.718.6	70.91.22.010.1	70.91.50.260.0
		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 CSKN R 16 CA -12 - IX 7 CSKN L 20 CA -12 - IX 7 CSKN R 20 CA -12 - IX 7	751.04.310.05	70.91.13.316.0		
		751.03.310.05	70.91.13.316.0		
		751.04.309.05	70.91.13.316.0	70.91.22.010.1	70.91.50.260.0
		751.03.309.05	70.91.13.316.0	70.91.22.010.1	70.91.50.260.0

CSRN □ 16CA
CSRN □ 20CA

IKS-Kurzklemhalter
IKS Cartridges
Cartouches IKS



SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shaft Corps	Abmessungen • Dimensions • Dimensions (mm)										
		h_1	f	h	b	l_1	l_2	l_3	h_2	e	a	D_{min}
SN . . 12 . . .	16 CA	16	25	25	20	63	8	33	32	25	3,06	60
	20 CA	20	25	25	20	70	10	40	36	30	3,06	70

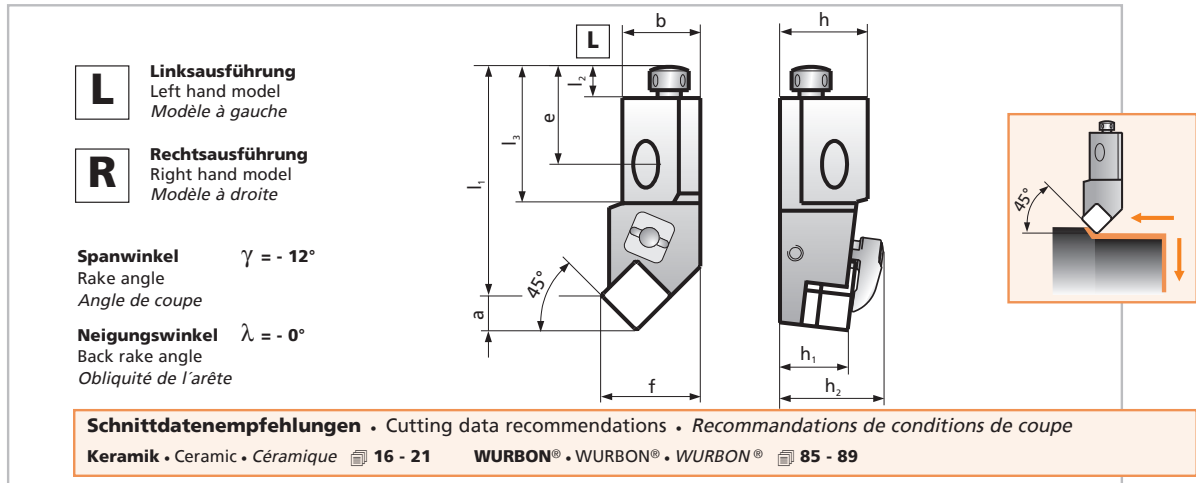
SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
					
 SN . N 1204 ..  SN . N 1207 ..	CSRN L 16 CA -12 - IC 4 CSRN R 16 CA -12 - IC 4 CSRN L 20 CA -12 - IC 4 CSRN R 20 CA -12 - IC 4 CSRN L 16 CA -12 - ID 4 CSRN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

IKS-Kurzklemhalter

IKS Cartridges
Cartouches IKS

CSSN □ 16CA

CSSN □ 20CA

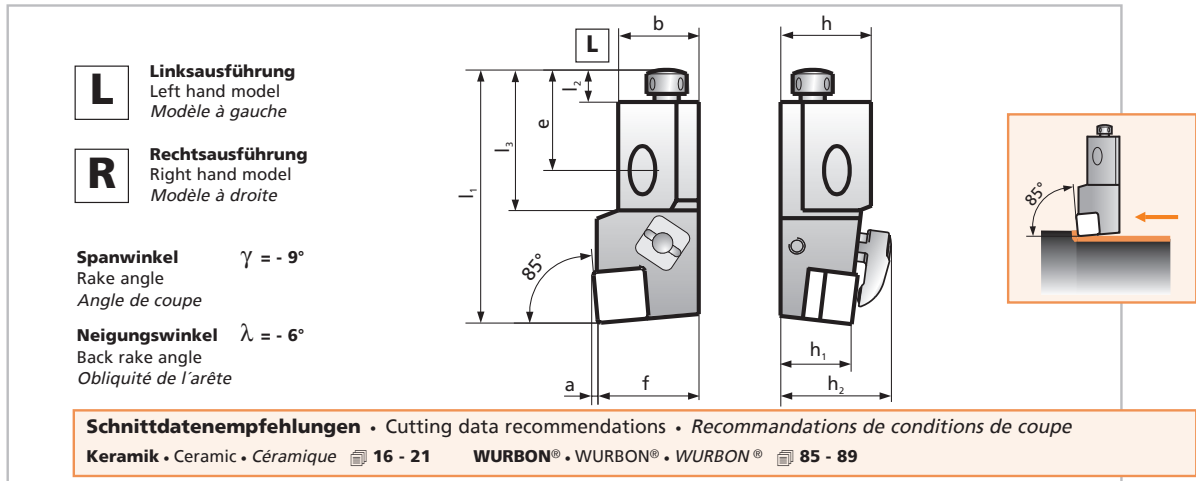


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shaft Corps	Abmessungen • Dimensions • Dimensions (mm)										
		h ₁	f	h	b	l ₁	l ₂	l ₃	h ₂	e	a	D _{min}
SN . . 12	16 CA	16	25	25	20	60	8	32,5	32	25	8,32	65
	20 CA	20	25	25	20	67	10	41	36	30	8,32	75

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

CSXN □ 16CA
CSXN □ 20CA

IKS-Kurzklemmhalter
IKS Cartridges
Cartouches IKS



SPK-Schneidplatte SPK insert Plaquette SPK	Schaft 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	70.91.22.010.1	70.91.50.260.0
			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		
			CSXN R 20 CA -12 - ID 7	751.03.303.01	70.91.15.029.0		
	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	70.91.22.010.1	70.91.50.260.0
			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		
			CSXN R 20 CA -12 - IK 7	751.03.303.25	70.91.13.718.6		
		SN . X 1207 ..	CSXN L 16 CA -12 - IX 7	751.04.304.05	70.91.13.316.0	70.91.22.010.1	70.91.50.260.0
			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		
			CSXN R 20 CA -12 - IX 7	751.03.303.05	70.91.13.316.0		

IKS-Kurzklemhalter

IKS Cartridges
Cartouches IKS

CSYN □ 16CA

CSYN □ 20CA

L

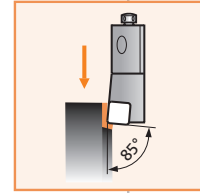
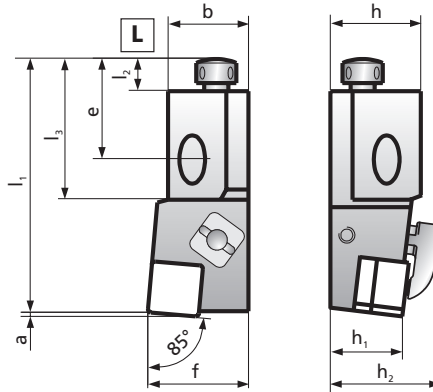
Linksausführung
Left hand model
Modèle à gauche

R

Rechtsausführung
Right hand model
Modèle à droite

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

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

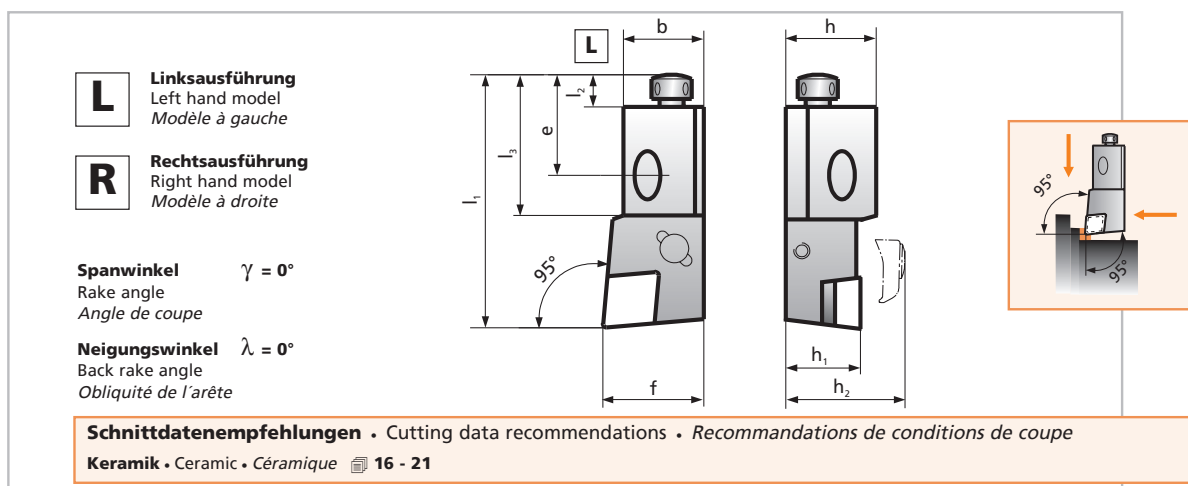


Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

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

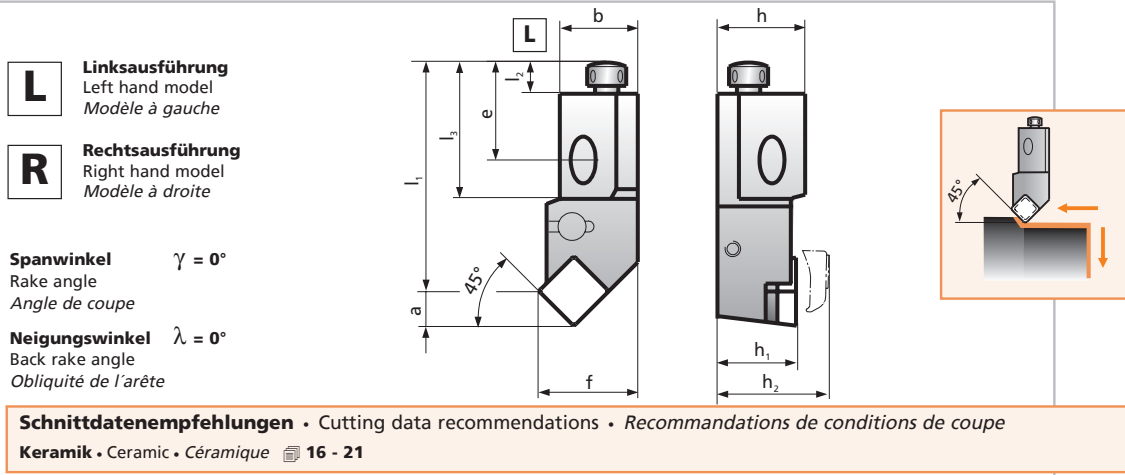
SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shaft Corps	Abmessungen • Dimensions • Dimensions (mm)										
		h ₁	f	h	b	l ₁	l ₂	l ₃	h ₂	e	a	D _{min}
SN .. 12	16 CA	16	25	25	20	63	8	35	32	25	1,03	60
	20 CA	20	25	25	20	70	10	42	36	30	1,03	70

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



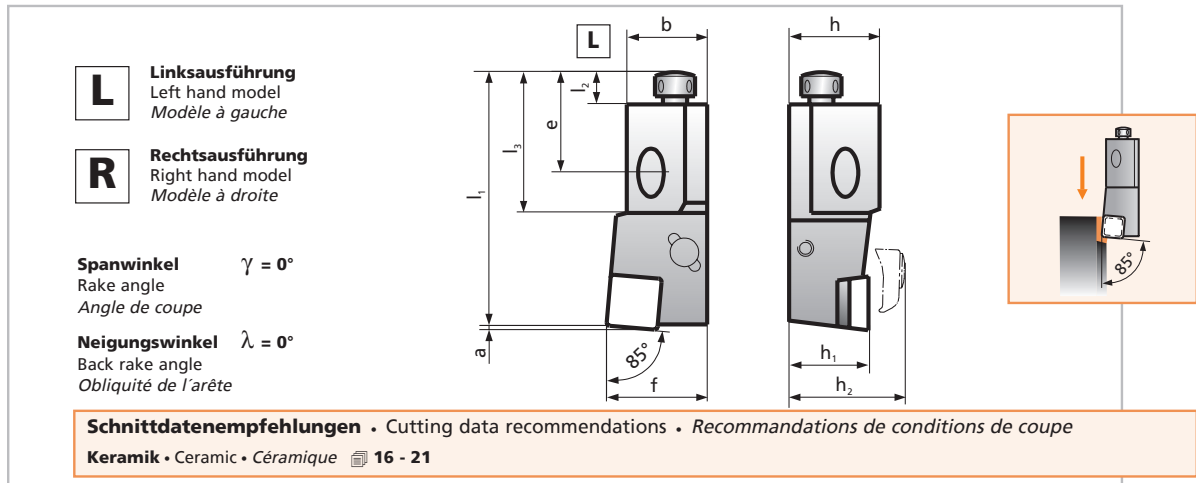
SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shaft Corps	Abmessungen • Dimensions • Dimensions (mm)									
		h ₁	f	h	b	l ₁	l ₂	l ₃	h ₂	e	D _{min}
CC . . 12 . . .	20 CA	20	25	25	20	70	10	35	32	30	60

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



SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shaft Corps	Abmessungen • Dimensions • Dimensions (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

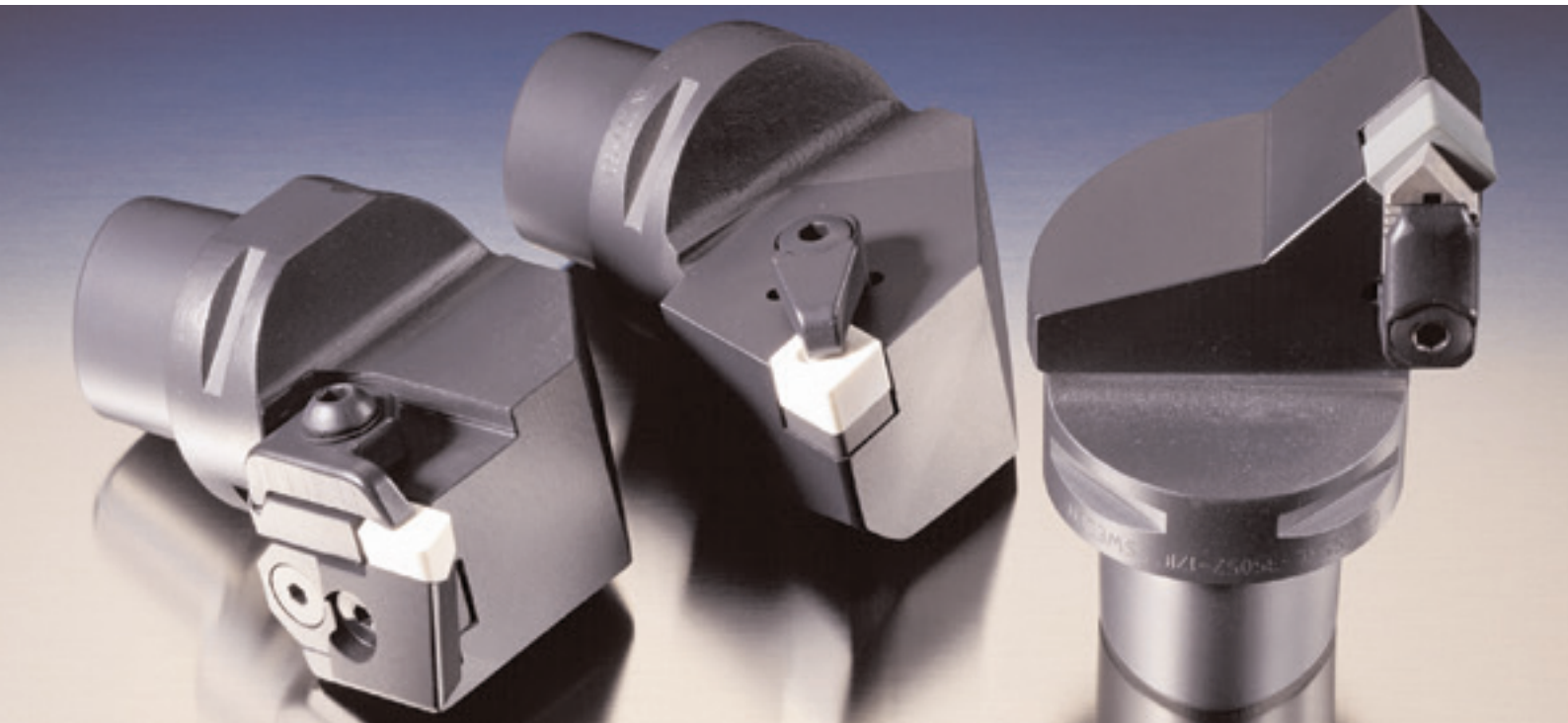
SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
					
SC . N 1204 .. 	CSSC L 20 CA -12 - ID 4 CSSC R 20 CA -12 - ID 4	751.08.306.02 751.07.306.02	70.91.13.317.0 70.91.13.317.0	70.91.00.001.0 70.91.00.001.0	70.91.22.144.0 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



SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shaft Corps	Abmessungen • Dimensions • Dimensions (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 Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
					
SC . N 1204 .. 	CSYC L 20 CA -12 - ID 4	751.08.301.02	70.91.13.317.0	70.91.00.001.0	70.91.22.144.0
	CSYC R 20 CA -12 - ID 4	751.07.301.02	70.91.13.317.0	70.91.00.001.0	70.91.22.144.0
SC . X 1206 .. 	CSYC L 20 CA -12 - IX 6	751.08.301.05	70.91.13.316.0		70.91.22.147.0
	CSYC R 20 CA -12 - IX 6	751.07.301.05	70.91.13.316.0		70.91.22.147.0

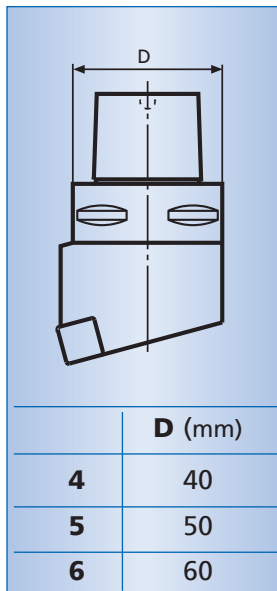




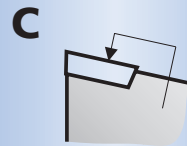
Bezeichnungssystem für CMS-Schneidköpfe

Designation system for CMS Cutting heads

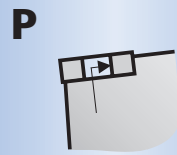
Système de dénomination Têtes de coup CMS



CMS-Größe
CMS size
Gradeur CMS

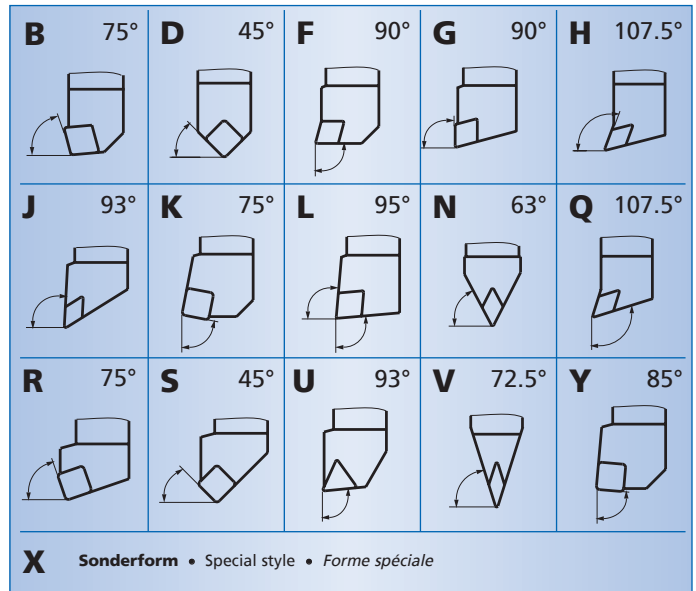


C
Von oben geklemmt
Top clamping
Fixation par bride



P
Über Bohrung geklemmt
Hole clamping
Fixation par goupille

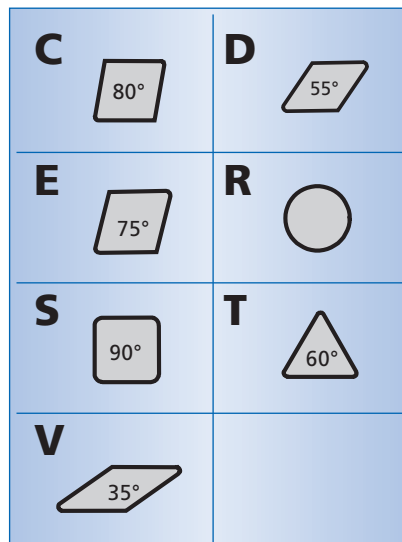
**Schneidplatten-
befestigung**
Insert clamping
Fixation de plaquette



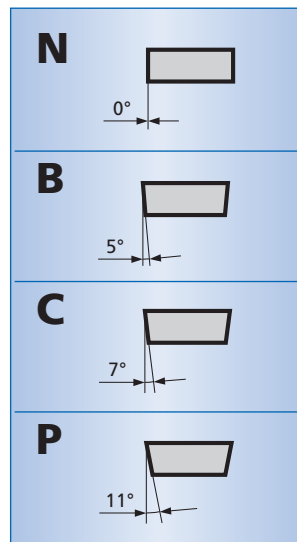
Halterform
Tool style
Forme du porte-outil

CMS 5 - C C L N R

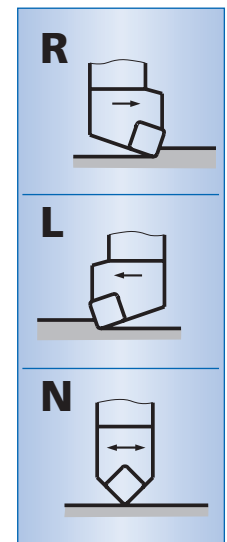
Plattenform
Insert shape
Forme de plaquette

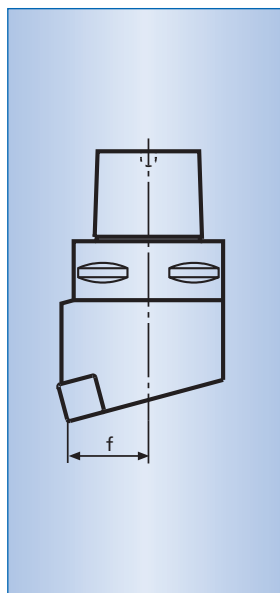


**Normal-Freiwinkel der
Schneidplatte**
Insert normal clearance
Angle de dépouille



Schneidrichtung
Cutting direction
Direction de coupe





f - Maß
Dimension f
Dimension f

Inkreis Inscribed circle Cercle inscrit	 d mm	 R, S	 T 60°	 C 80°	 E 75°	 D 55°	 V 35°	Inkreis Inscribed circle Cercle inscrit	 d mm	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 plaque

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

Plattendicke
Insert thickness
Epaisseur de la plaque

35

060

-

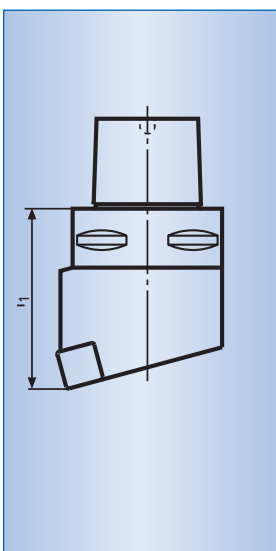
12

-

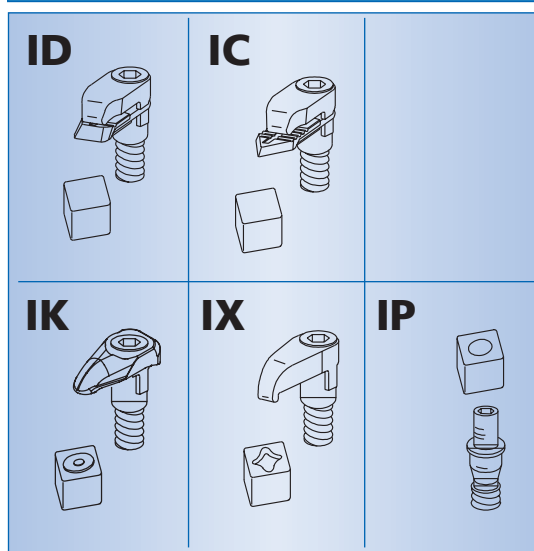
ID

7

Werkzeuglänge
Tool length
Longueur d'outil



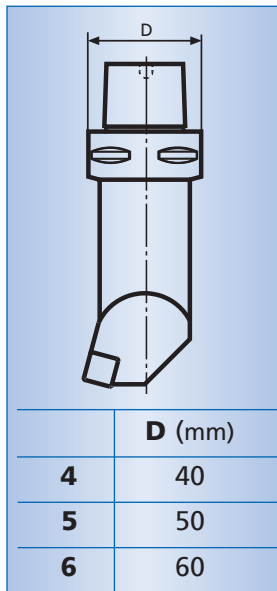
Klemmart
Clamping system
Système de serrage



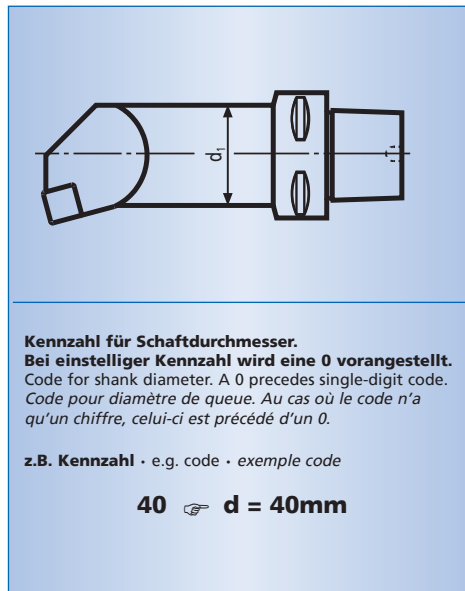
Bezeichnungssystem für CMS-Ausdrehschneidköpfe

Designation system for CMS Boring cutting heads

Système de dénomination Têtes de coup d'alésage CMS



CMS-Größe
CMS size
Gradeur CMS

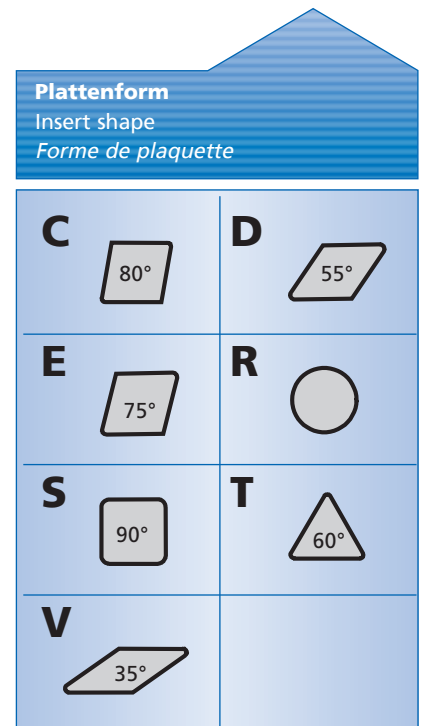
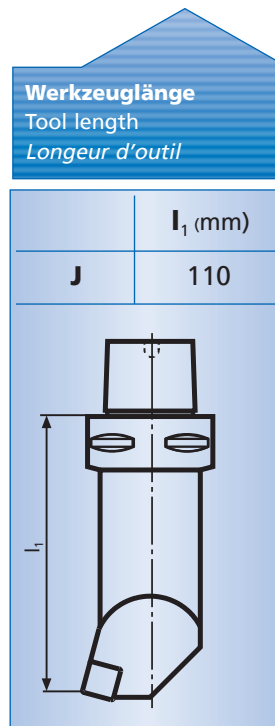
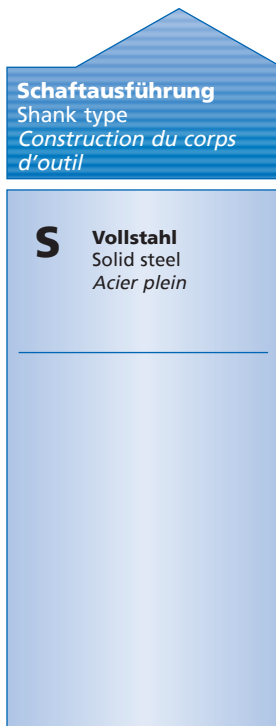


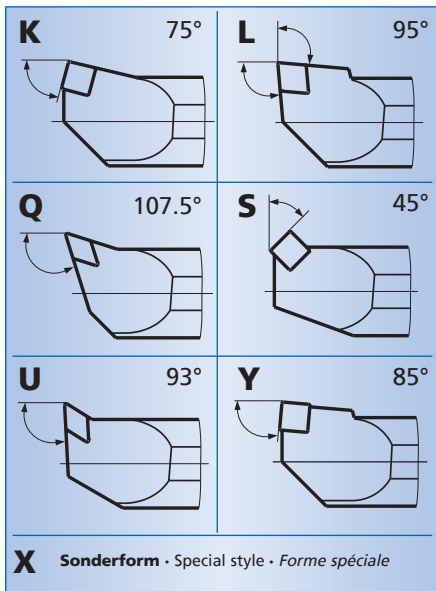
Schaftdurchmesser
Shank diameter
Diamètre du corps d'outil



Schneidplattenbefestigung
Insert clamping
Fixation de plaque

CMS 5 - S 40 J - C S





Halterform

Tool style
Forme de porte-outil

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

Plattengröße

Insert size
Grandeur de la plaquette

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

Plattendicke

Insert thickness
Épaisseur de la plaquette

K

N

R

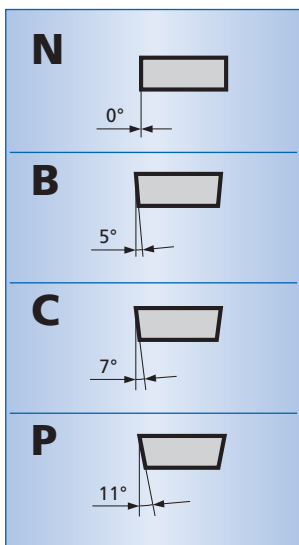
12

-

IX

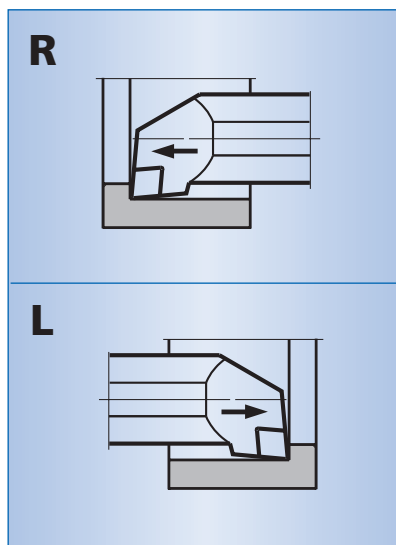
7

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



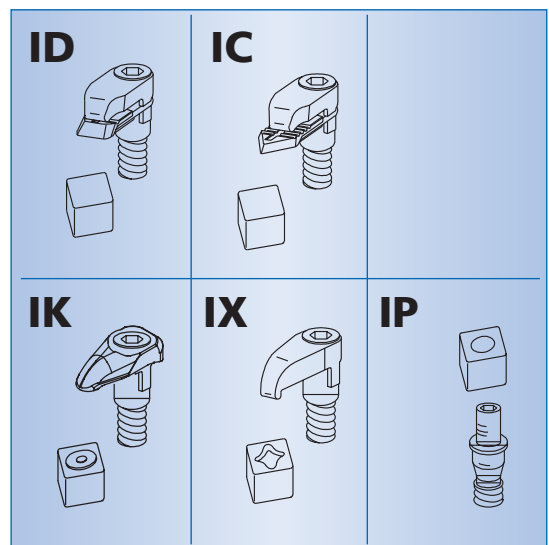
Schneidrichtung

Cutting direction
Direction de coupe



Klemmart

Clamping system
Système de serrage



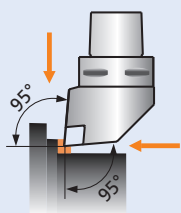


Inhaltsverzeichnis CMS-Schneidköpfe

Contents CMS Cutting heads

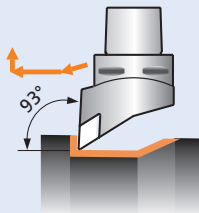
Table des matières têtes de coupe CMS

CMS 5 - CCLN L / R CMS 5 - PCLN L / R



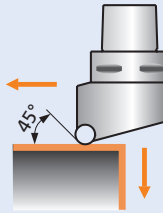
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CMS 5 - CDJN L / R CMS 5 - PDJN L / R



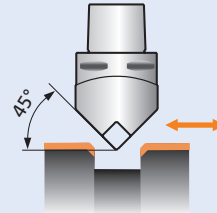
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CMS 5 - CRSN L / R CMS 5 - PRSN L / R



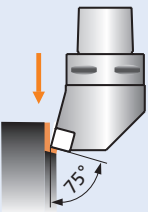
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CMS 5 - CSDN N CMS 5 - PSDN N



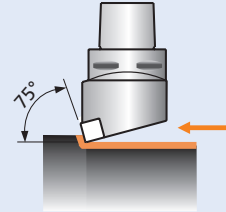
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CMS 5 - CSKN L / R CMS 5 - PSKN L / R



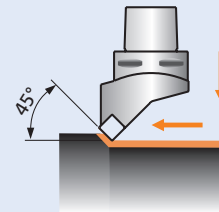
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CMS 5 - CSRN L / R CMS 5 - PSRN L / R



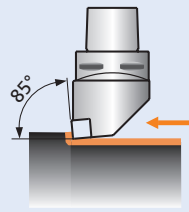
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CMS 5 - CSSN L / R CMS 5 - PSSN L / R



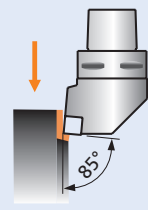
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CMS 5 - CSXN L / R CMS 5 - PSXN L / R



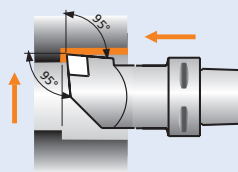
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CMS 5 - CSYN L / R CMS 5 - PSYN L / R



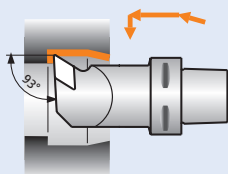
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CMS 5 - S40J - CCLN L / R CMS 5 - S40J - PCLN L / R



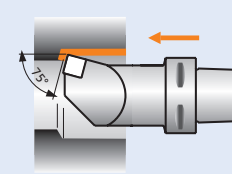
Seite • Page 131

CMS 5 - S40J - CDUN L / R CMS 5 - S40J - PDUN L / R



Seite • Page 132

CMS 5 - S40J - CSKN L / R CMS 5 - S40J - PSKN L / R



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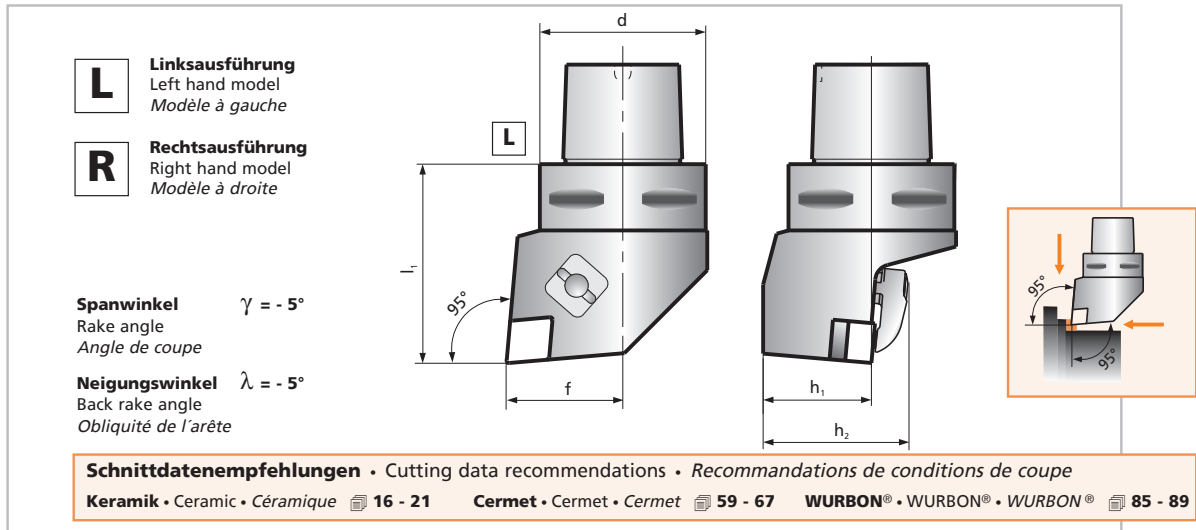
CMS-Schneidköpfe

CMS Cutting heads

Têtes de coupe CMS

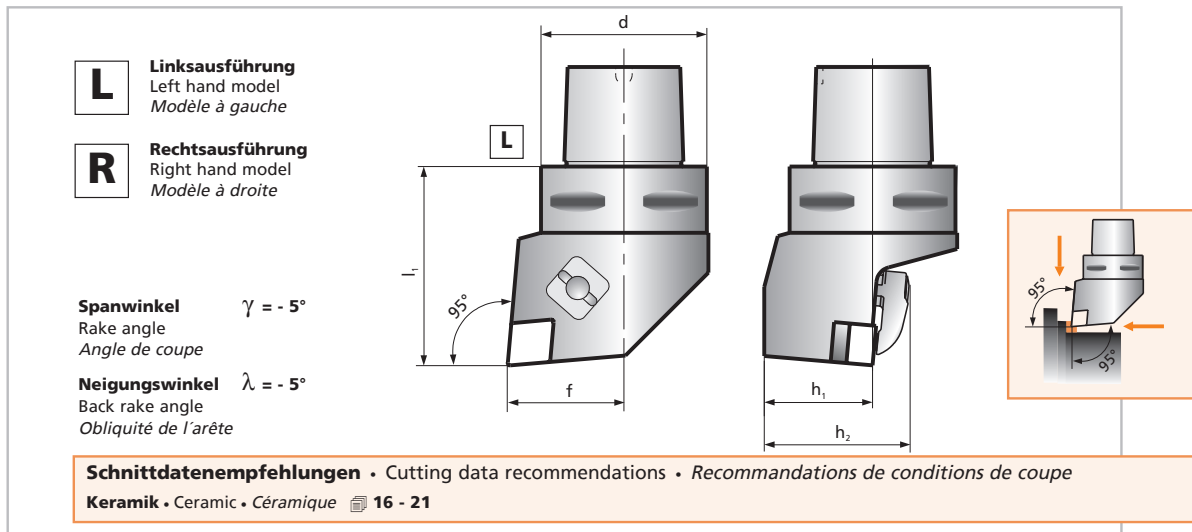
CMS 5 - CCLN ☐

CMS 5 - PCLN ☐



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		
IKS - PRO	CN . N 12 04 .. 	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	791.24.005.14 791.23.005.14 791.24.005.12 791.23.005.12	70.91.15.002.0 70.91.15.002.0 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
	CN . N 12 07 .. 	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	791.24.005.13 791.23.005.13 791.24.005.11 791.23.005.11	70.91.15.002.0 70.91.15.002.0 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
	CN . X 12 04 .. 	CMS 5 - CCLN L 35060 - 12 - IK 4 CMS 5 - CCLN R 35060 - 12 - IK 4	791.24.005.29 791.23.005.29	70.91.11.716.6 70.91.11.716.6	70.91.22.015.0 70.91.22.015.0
	CN . X 12 07 .. 	CMS 5 - CCLN L 35060 - 12 - IK 7 CMS 5 - CCLN R 35060 - 12 - IK 7	791.24.005.25 791.23.005.25	70.91.11.716.6 70.91.11.716.6	70.91.22.014.0 70.91.22.014.0
	CN . X 12 07 .. 	CMS 5 - CCLN L 35060 - 12 - IX 7 CMS 5 - CCLN R 35060 - 12 - IX 7	791.24.005.15 791.23.005.15	70.91.11.316.0 70.91.11.316.0	70.91.22.014.0 70.91.22.014.0
	CN . A 12 04 .. 	CMS 5 - PCLN L 35060 - 12 - IP 4 CMS 5 - PCLN R 35060 - 12 - IP 4	791.24.005.18 791.23.005.18	70.91.15.005.0 70.91.15.005.0	70.91.26.009.6 70.91.26.009.6



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

SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange		
					
CN . N 16 04 ..  CN . N 16 07 .. 	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	
	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	

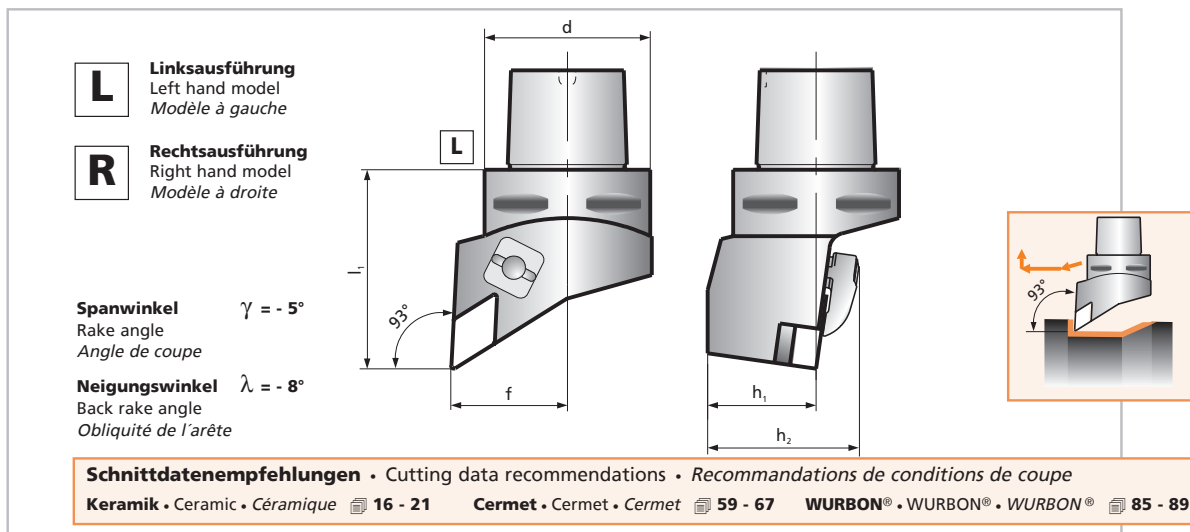
CMS-Schneidköpfe

CMS Cutting heads

Têtes de coupe CMS

CMS 5 - CDJN ☐

CMS 5 - PDJN ☐

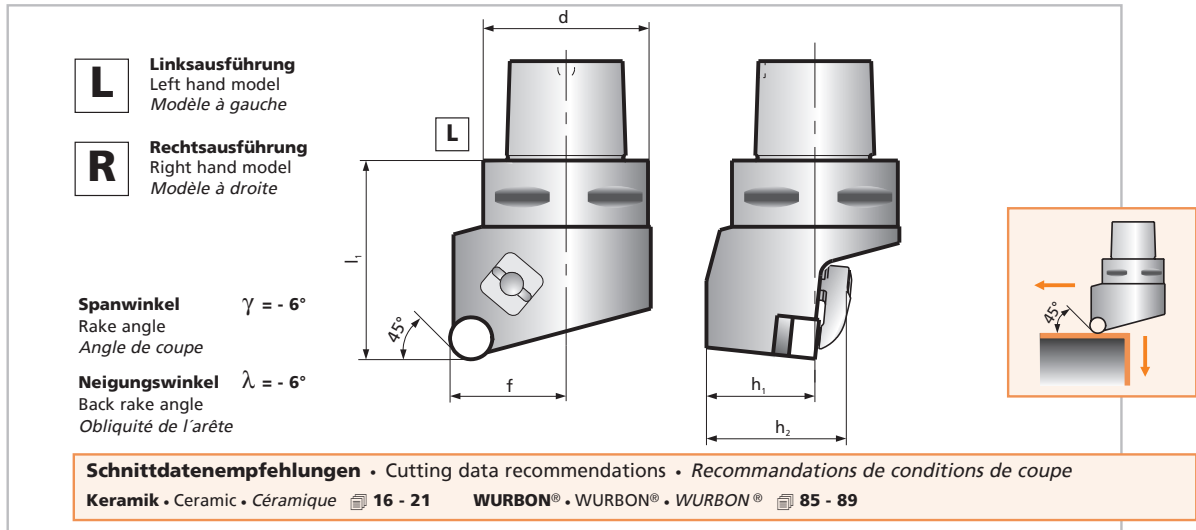


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)					
		d	h ₁	h ₂	f	l ₁	D _{min}
DN .. 15	CMS 5	50	33	50	35	60	320

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

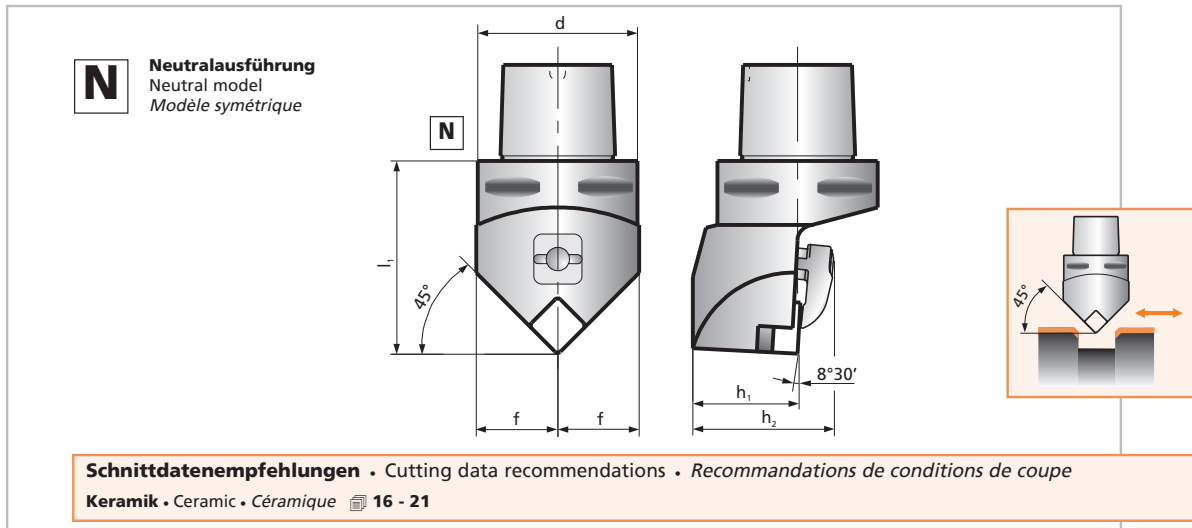
CMS 5 - CRSN ☐
CMS 5 - PRSN ☐

CMS-Schneidköpfe
CMS Cutting heads
Têtes de coupe CMS



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

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

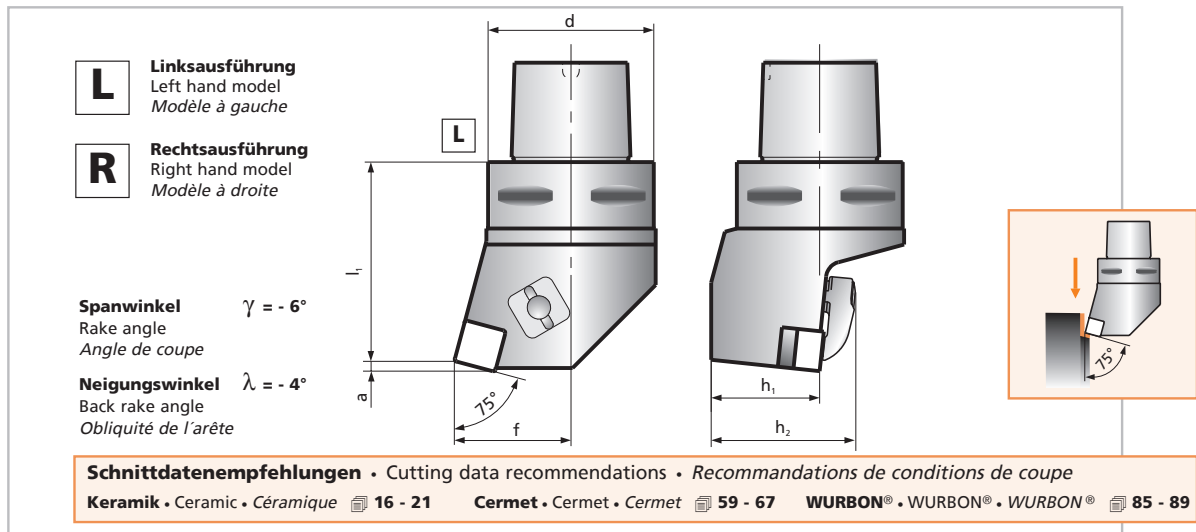


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)				
		d	h ₁	h ₂	f	l ₁
SN .. 15	CMS 5	50	30	45	25	60

SPK-Schneidplatte SPK Insert Plaquette SPK	ISO	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Ersatzteile • Spare parts • Pièces de rechange	
				
IKS - PRO    	SN . N 15 04 ..	CMS 5 - CSDN N 00060 - 15 - IC 4 791.05.006.14 CMS 5 - CSDN N 00060 - 15 - ID 4 791.05.006.12	70.91.15.006.0 70.91.15.005.0	70.91.22.013.0 70.91.22.013.0
	SN . N 15 07 ..	CMS 5 - CSDN N 00060 - 15 - IC 7 791.05.006.13 CMS 5 - CSDN N 00060 - 15 - ID 7 791.05.006.11	70.91.15.006.0 70.91.15.005.0	70.91.22.012.0 70.91.22.012.0
	SN . X 15 07 ..	CMS 5 - CSDN N 00060 - 15 - IK 7 791.05.006.25	70.91.11.718.6	70.91.22.012.0
	SN . X 15 07 ..	CMS 5 - CSDN N 00060 - 15 - IX 7 791.05.006.15	70.91.11.316.0	70.91.22.012.0

CMS 5 - CSKN ☐
CMS 5 - PSKN ☐

CMS-Schneidköpfe
CMS Cutting heads
Têtes de coupe CMS



SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)						D _{min}
		d	h ₁	h ₂	f	l ₁	a	
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		
IKS - PRO	SN . N 12 04 .. 	CMS 5 - CSKN L 35060 - 12 - IC 4 CMS 5 - CSKN R 35060 - 12 - IC 4 CMS 5 - CSKN L 35060 - 12 - ID 4 CMS 5 - CSKN R 35060 - 12 - ID 4	791.04.035.14 791.03.035.14 791.04.035.12 791.03.035.12	70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0	70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 70.91.22.011.0
	SN . N 12 07 .. 	CMS 5 - CSKN L 35060 - 12 - IC 7 CMS 5 - CSKN R 35060 - 12 - IC 7 CMS 5 - CSKN L 35060 - 12 - ID 7 CMS 5 - CSKN R 35060 - 12 - ID 7	791.04.035.13 791.03.035.13 791.04.035.11 791.03.035.11	70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0	70.91.22.010.0 70.91.22.010.0 70.91.22.010.0 70.91.22.010.0
	SN . X 12 04 .. 	CMS 5 - CSKN L 35060 - 12 - IK 4 CMS 5 - CSKN R 35060 - 12 - IK 4	791.04.035.29 791.03.035.29	70.91.11.718.6 70.91.11.718.6	70.91.22.011.0 70.91.22.011.0
	SN . X 12 07 .. 	CMS 5 - CSKN L 35060 - 12 - IK 7 CMS 5 - CSKN R 35060 - 12 - IK 7	791.04.035.25 791.03.035.25	70.91.11.718.6 70.91.11.718.6	70.91.22.010.0 70.91.22.010.0
	SN . X 12 07 .. 	CMS 5 - CSKN L 35060 - 12 - IX 7 CMS 5 - CSKN R 35060 - 12 - IX 7	791.04.035.15 791.03.035.15	70.91.11.316.0 70.91.11.316.0	70.91.22.010.0 70.91.22.010.0
	SN . A 12 04 .. 	CMS 5 - PSKN L 35060 - 12 - IP 4 CMS 5 - PSKN R 35060 - 12 - IP 4	791.04.035.18 791.03.035.18	70.91.15.005.0 70.91.15.005.0	70.91.26.007.6 70.91.26.007.6

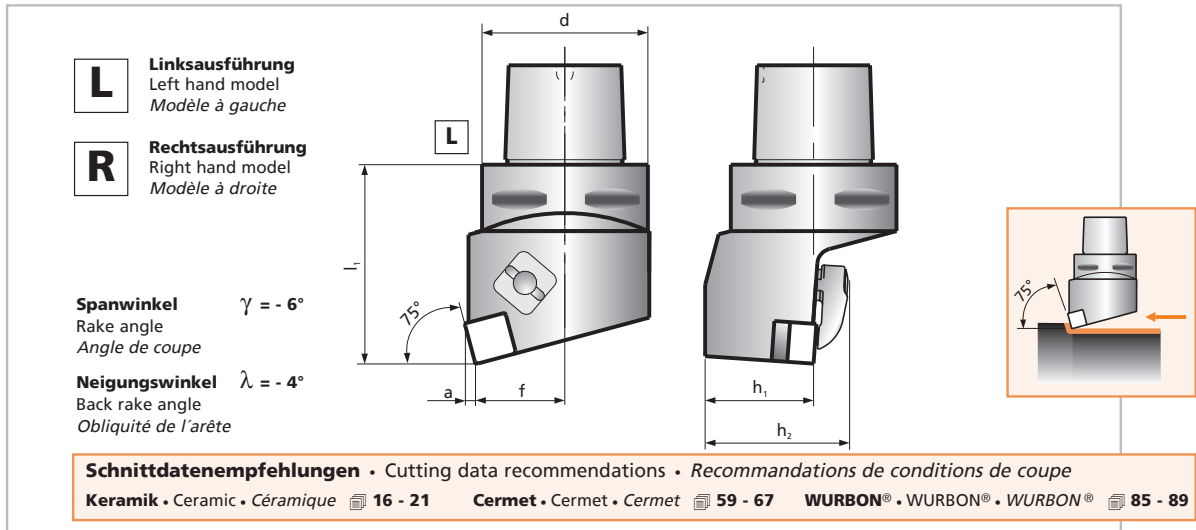
CMS-Schneidköpfe

CMS Cutting heads

Têtes de coupe CMS

CMS 5 - CSRN ☐

CMS 5 - PSRN ☐

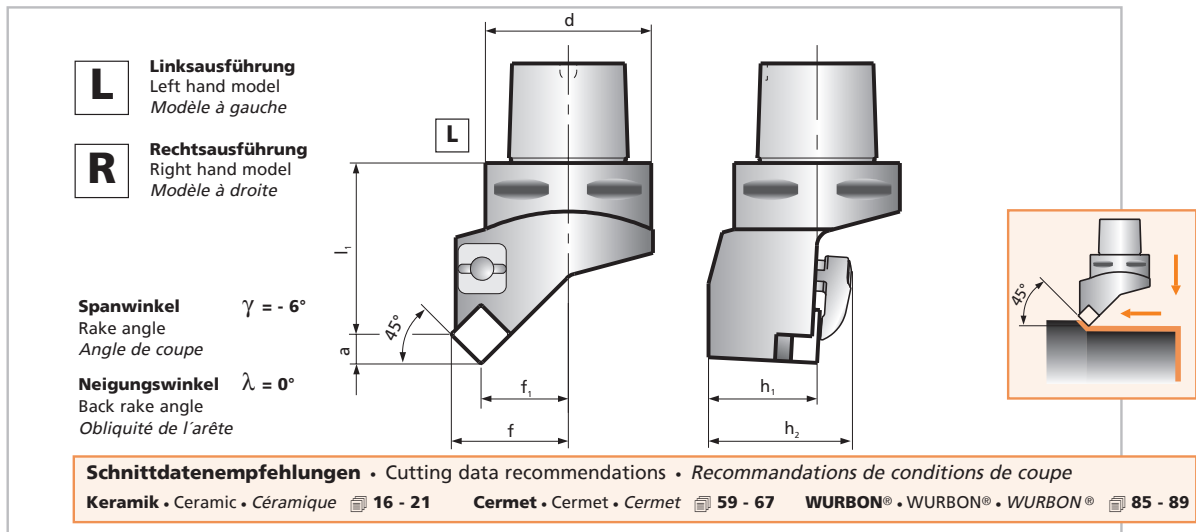


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)						
		d	h ₁	h ₂	f	l ₁	a	D _{min}
SN .. 12	CMS 5	50	33	48	27	60	3,06	310

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

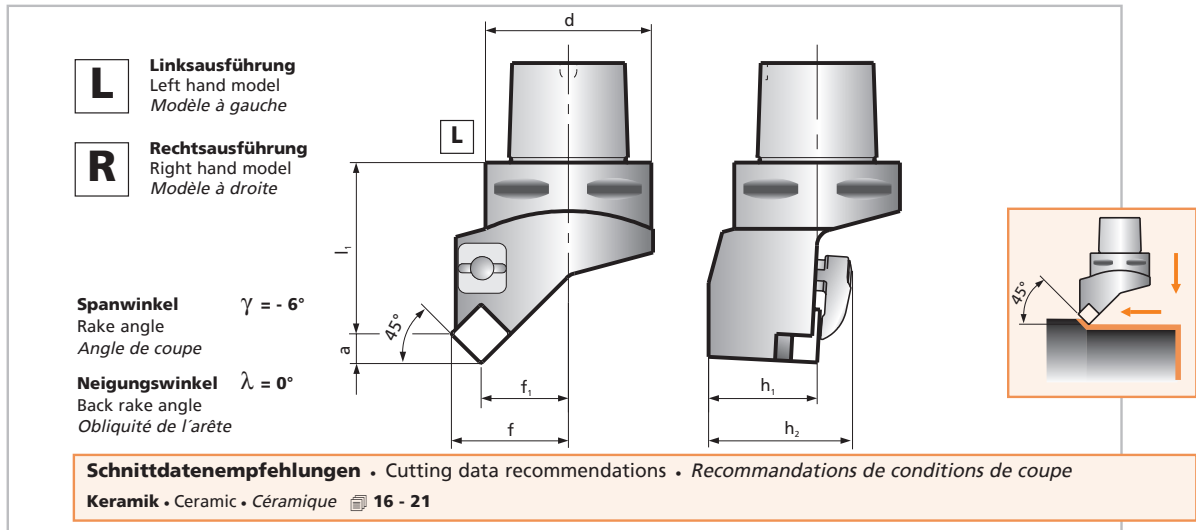
CMS 5 - CSSN ☐
CMS 5 - PSSN ☐

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		
IKS - PRO	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	791.04.005.14 791.03.005.14 791.04.005.12 791.03.005.12	70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0	70.91.22.011.0 70.91.22.011.0 70.91.22.011.0 70.91.22.011.0
	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	791.04.005.13 791.03.005.13 791.04.005.11 791.03.005.11	70.91.15.004.0 70.91.15.003.0 70.91.15.005.0 70.91.15.005.0	70.91.22.010.0 70.91.22.010.0 70.91.22.010.0 70.91.22.010.0
	SN . X 12 04 .. 	CMS 5 - CSSN L 35052 - 12 - IK 4 CMS 5 - CSSN R 35052 - 12 - IK 4	791.04.005.29 791.03.005.29	70.91.11.718.6 70.91.11.718.6	70.91.22.011.0 70.91.22.011.0
	SN . X 12 07 .. 	CMS 5 - CSSN L 35052 - 12 - IK 7 CMS 5 - CSSN R 35052 - 12 - IK 7	791.04.005.25 791.03.005.25	70.91.11.718.6 70.91.11.718.6	70.91.22.010.0 70.91.22.010.0
	SN . X 12 07 .. 	CMS 5 - CSSN L 35052 - 12 - IX 7 CMS 5 - CSSN R 35052 - 12 - IX 7	791.04.005.15 791.03.005.15	70.91.11.316.0 70.91.11.316.0	70.91.22.010.0 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	791.04.005.18 791.03.005.18	70.91.15.005.0 70.91.15.005.0	70.91.26.007.6 70.91.26.007.6

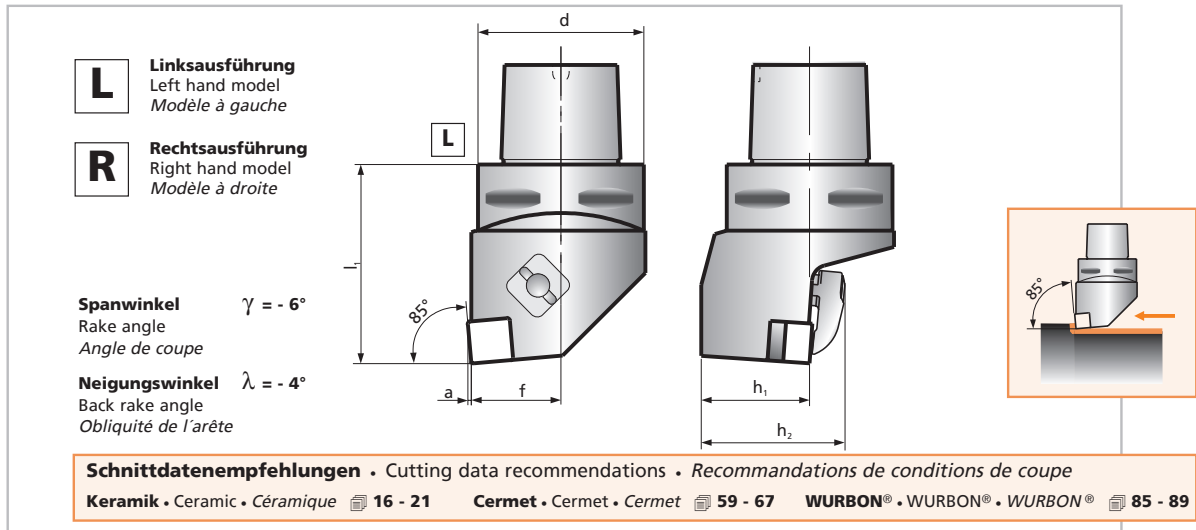


SPK-Schneidplatte SPK insert Plaquette SPK	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)								
		d	h ₁	h ₂	f	f ₁	l ₁	a	D _{min}	
SN .. 15	CMS 5	50	38	51	35	24,8	52	10,23	250	

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

CMS 5 - CSXN ☐
CMS 5 - PSXN ☐

CMS-Schneidköpfe
CMS Cutting heads
Têtes de coupe CMS



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

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

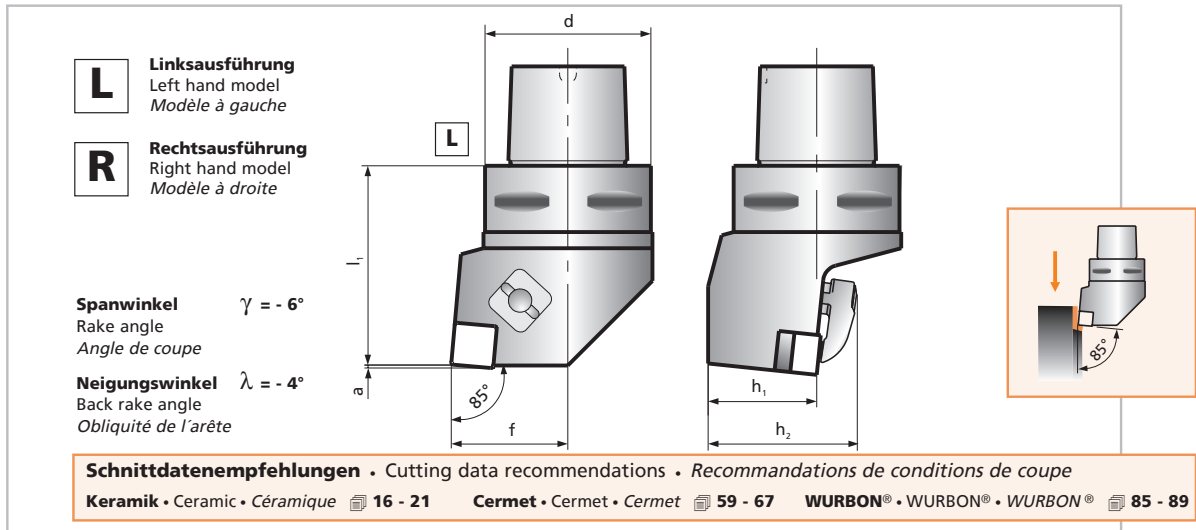
CMS-Schneidköpfe

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		
					
IKS - PRO	SN . N 12 04 .. 	CMS 5 - CSYN L 35060 - 12 - IC 4 791.04.053.14 CMS 5 - CSYN R 35060 - 12 - IC 4 791.03.053.14 CMS 5 - CSYN L 35060 - 12 - ID 4 791.04.053.12 CMS 5 - CSYN R 35060 - 12 - ID 4 791.03.053.12	70.91.15.003.0 70.91.15.004.0 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 .. 	CMS 5 - CSYN L 35060 - 12 - IC 7 791.04.053.13 CMS 5 - CSYN R 35060 - 12 - IC 7 791.03.053.13 CMS 5 - CSYN L 35060 - 12 - ID 7 791.04.053.11 CMS 5 - CSYN R 35060 - 12 - ID 7 791.03.053.11	70.91.15.003.0 70.91.15.004.0 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	
	SN . X 12 04 .. 	CMS 5 - CSYN L 35060 - 12 - IK 4 791.04.053.29 CMS 5 - CSYN R 35060 - 12 - IK 4 791.03.053.29	70.91.11.718.6 70.91.11.718.6	70.91.22.011.0 70.91.22.011.0	
	SN . X 12 07 .. 	CMS 5 - CSYN L 35060 - 12 - IK 7 791.04.053.25 CMS 5 - CSYN R 35060 - 12 - IK 7 791.03.053.25	70.91.11.718.6 70.91.11.718.6	70.91.22.010.0 70.91.22.010.0	
	SN . X 12 07 .. 	CMS 5 - CSYN L 35060 - 12 - IX 7 791.04.053.15 CMS 5 - CSYN R 35060 - 12 - IX 7 791.03.053.15	70.91.11.316.0 70.91.11.316.0	70.91.22.010.0 70.91.22.010.0	
	SN . A 12 04 .. 	CMS 5 - PSYN L 35060 - 12 - IP 4 791.04.053.18 CMS 5 - PSYN R 35060 - 12 - IP 4 791.03.053.18	70.91.15.005.0 70.91.15.005.0		70.91.26.007.6 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	791.24.025.14 791.23.025.14 791.24.025.12 791.23.025.12	70.91.15.002.0 70.91.15.002.0 70.91.15.005.0 70.91.15.005.0	70.91.22.118.0 70.91.22.118.0 70.91.22.118.0 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	791.24.025.13 791.23.025.13 791.24.025.11 791.23.025.11	70.91.15.002.0 70.91.15.002.0 70.91.15.005.0 70.91.15.005.0	70.91.22.069.0 70.91.22.069.0 70.91.22.069.0 70.91.22.069.0
	CN . X 12 04 ..	CMS 5 - S40J - CCLN L - 12 - IK 4 CMS 5 - S40J - CCLN R - 12 - IK 4	791.24.025.29 791.23.025.29	70.91.11.716.6 70.91.11.716.6	70.91.22.118.0 70.91.22.118.0
	CN . X 12 07 ..	CMS 5 - S40J - CCLN L - 12 - IK 7 CMS 5 - S40J - CCLN R - 12 - IK 7	791.24.025.25 791.23.025.25	70.91.11.716.6 70.91.11.716.6	70.91.22.069.0 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	791.24.025.15 791.23.025.15	70.91.11.316.0 70.91.11.316.0	70.91.22.069.0 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	791.24.025.18 791.23.025.18	70.91.15.005.0 70.91.15.005.0	70.91.26.122.6 70.91.26.122.6

CMS-Schneidköpfe

CMS Cutting heads

Têtes de coupe CMS

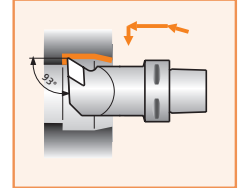
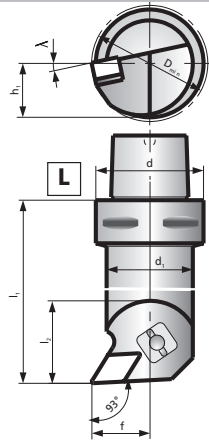
CMS 5 - S40J - CDUN ☐

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



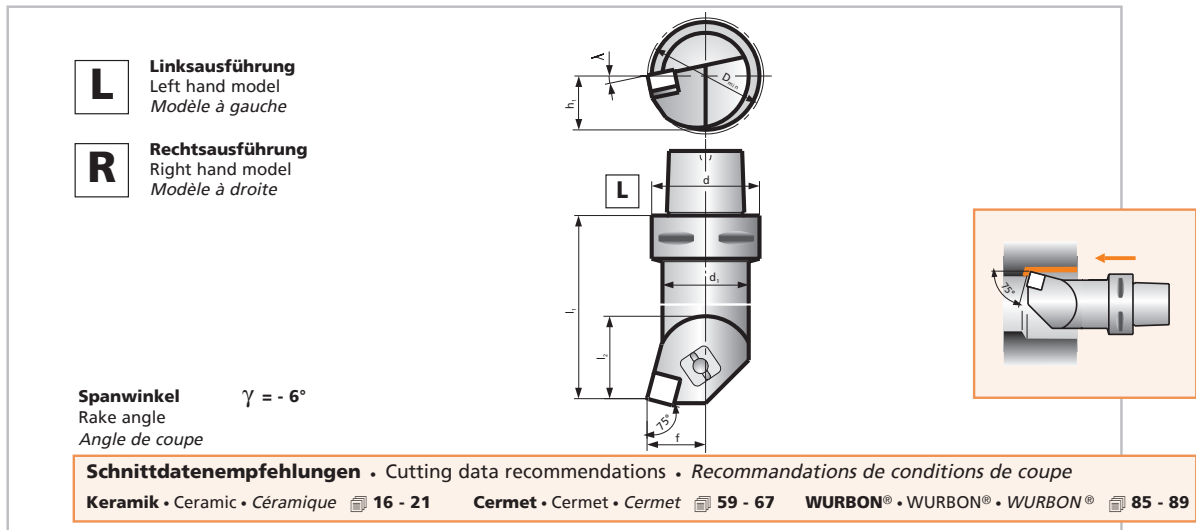
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*
Keramik • Ceramic • Céramique **16 - 21** **Cermet** • Cermet • Cermet **59 - 67** **WURBON®** • WURBON® • WURBON® **85 - 89**

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		
IKS - PRO	DN . N 15 07 .. 	CMS 5 - S40J - CDUN L - 15 - IC 7 791.24.036.13 CMS 5 - S40J - CDUN R - 15 - IC 7 791.23.036.13 CMS 5 - S40J - CDUN L - 15 - ID 7 791.24.036.11 CMS 5 - S40J - CDUN R - 15 - ID 7 791.23.036.11	70.91.15.011.0 70.91.15.010.0 70.91.15.005.0 70.91.15.005.0	70.91.22.071.0 70.91.22.071.0 70.91.22.071.0 70.91.22.071.0	
	DN . X 15 07 .. 	CMS 5 - S40J - CDUN L - 15 - IK 7 791.24.036.25 CMS 5 - S40J - CDUN R - 15 - IK 7 791.23.036.25	70.91.11.720.6 70.91.11.720.6	70.91.22.071.0 70.91.22.071.0	
	DN . X 15 07 .. 	CMS 5 - S40J - CDUN L - 15 - IX 7 791.24.036.15 CMS 5 - S40J - CDUN R - 15 - IX 7 791.23.036.15	70.91.11.332.0 70.91.11.332.0	70.91.22.071.0 70.91.22.071.0	
	DN . A 15 04 .. 	CMS 5 - S40J - PDUN L - 15 - IP 4 791.24.036.18 CMS 5 - S40J - PDUN R - 15 - IP 4 791.23.036.18	70.91.15.005.0 70.91.15.005.0		70.91.26.124.6 70.91.26.124.6
	DN . A 15 06 .. 	CMS 5 - S40J - PDUN L - 15 - IP 6 791.24.036.16 CMS 5 - S40J - PDUN R - 15 - IP 6 791.23.036.16	70.91.15.005.0 70.91.15.005.0		70.91.26.126.6 70.91.26.126.6

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

CMS-Schneidköpfe
 CMS Cutting heads
 Têtes de coupe CMS



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		
					
IKS - PRO	SN . N 12 04 ..	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	791.04.045.14 791.03.045.14 791.04.045.12 791.03.045.12	70.91.15.003.0 70.91.15.004.0 70.91.15.005.0 70.91.15.005.0	70.91.22.083.0 70.91.22.083.0 70.91.22.083.0 70.91.22.083.0
	SN . N 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	791.04.045.13 791.03.045.13 791.04.045.11 791.03.045.11	70.91.15.003.0 70.91.15.004.0 70.91.15.005.0 70.91.15.005.0	70.91.22.072.0 70.91.22.072.0 70.91.22.072.0 70.91.22.072.0
	SN . X 12 04 ..	CMS 5 - S40J - CSKN L - 12 - IK 4 CMS 5 - S40J - CSKN R - 12 - IK 4	791.04.045.29 791.03.045.29	70.91.11.718.6 70.91.11.718.6	70.91.22.083.0 70.91.22.083.0
	SN . X 12 07 ..	CMS 5 - S40J - CSKN L - 12 - IK 7 CMS 5 - S40J - CSKN R - 12 - IK 7	791.04.045.25 791.03.045.25	70.91.11.718.6 70.91.11.718.6	70.91.22.072.0 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	791.04.045.15 791.03.045.15	70.91.11.316.0 70.91.11.316.0	70.91.22.072.0 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	791.04.045.18 791.03.045.18	70.91.15.005.0 70.91.15.005.0	70.91.26.120.6 70.91.26.120.6



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



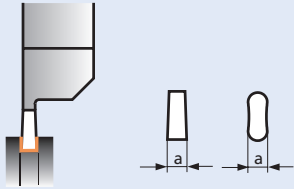
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Stechdrehen mit Keramik • Grooving with ceramic • Plongée de gorge avec céramique de coupe

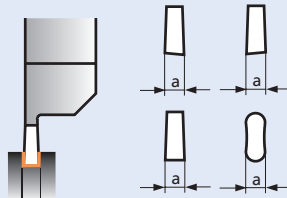
a = 4 - 5 mm



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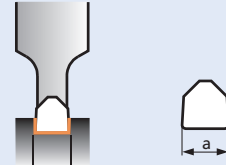
a = 6 - 10 mm



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a = 10 - 25 mm

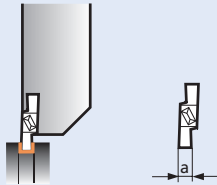


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Stechdrehen mit Cermet • Grooving with Cermet • Plongée de gorge avec Cermet de coupe

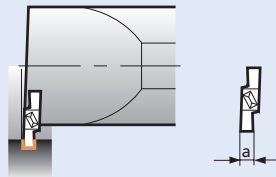
a = 1,1 - 4,15 mm



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148-151

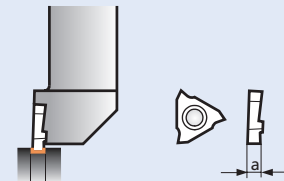
a = 1,1 - 4,15 mm



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a = 1,1 - 3,15 mm



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Inhaltsverzeichnis Stechwerkzeuge

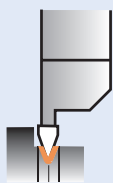
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Profil KP 2 	Profil P 1 	Profil P 2 
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Poly-V-Profil nach DIN 7867 • Poly-V profiles acc. to DIN 7867 • Profils poly-V selon DIN 7867

J1, K1, L1 	J1, K1, L1, M1 	J4, L3 	K3, K4 	K5, K6 
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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 272**
Right hand model see page 272
Modèle à droite voir page 272

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

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

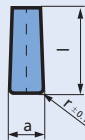
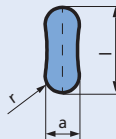
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

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		712.78.168.18	712.78.128.18	70.91.23.538.0	70.91.11.222.0
	100-150 mm	712.78.168.03	712.78.128.03	70.91.23.526.0	70.91.11.222.0
	100-200 mm	712.78.168.04	712.78.128.04	70.91.23.398.0	70.91.11.222.0
	100-150 mm	712.78.168.11	712.78.128.11	70.91.23.555.0	70.91.11.222.0
	100-200 mm	712.78.168.12	712.78.128.12	70.91.23.556.0	70.91.11.222.0
5,0		712.78.168.19	712.78.128.19	70.91.23.539.0	70.91.11.222.0
	100-200 mm	712.78.168.05	712.78.128.05	70.91.23.399.0	70.91.11.222.0
	100-200 mm	712.78.168.13	712.78.128.13	70.91.23.557.0	70.91.11.222.0

a = 4+5 mm

Schneidplatten Inserts Plaquettes de coupe

Stechbreite Plunge width Largeur a (mm)	SPK- Bezeichnung SPK Designation Code de SPK	Sorte Grade Nuance	SPK-Best. Nr. SPK ref.no. N° de réf. SPK	Form Style Forme	Abmessungen Dimensions Dimensions (mm) r h l
4,0	GBMP 12A 040 T 00520	SH 2 SL 500 SN 60	36.22.100.03.7 36.22.100.03.0 36.22.100.03.5		0,5 5,0 12,0
	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 = 4+5 mm

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

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

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

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

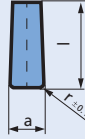
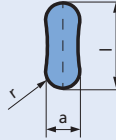
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

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
	100-150 mm	712.77.168.03	712.77.128.03	70.91.23.546.0	70.91.11.221.0
	100-200 mm	712.77.168.04	712.77.128.04	70.91.23.547.0	70.91.11.221.0
	100-150 mm	712.77.168.11	712.77.128.11	70.91.23.528.0	70.91.11.221.0
	100-200 mm	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
	100-200 mm	712.77.168.05	712.77.128.05	70.91.23.548.0	70.91.11.221.0
	100-200 mm	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

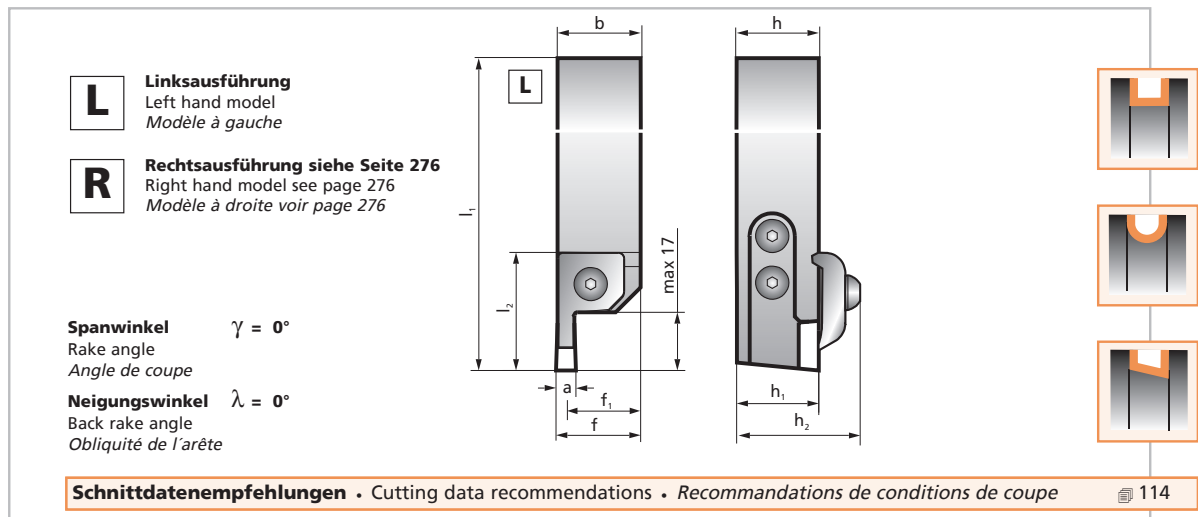
Stechbreite Plunge width Largeur a (mm)	SPK- Bezeichnung SPK Designation Code de SPK	Sorte Grade Nuance	SPK-Best. Nr. SPK ref.no. N° de réf. SPK	Form Style Forme	Abmessungen Dimensions Dimensions (mm) r h l
4,0	GBMP 12A 040 T 00520	SH 2 SL 500 SN 60	36.22.100.03.7 36.22.100.03.0 36.22.100.03.5		0,5 5,0 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



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

Keramik-Schneidplatten
Ceramic inserts
Plaquettes de coupe céramique

a = 6, 7, 8, 10 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 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		
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		
7,0	LBMP 15E 070 T 00520	SL 500 SN 60	36.70.872.03.0 36.70.872.03.5		3,5 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		4,0 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 15,0
	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 274**
Left hand model see page 274
Modèle à gauche voir page 274

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

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

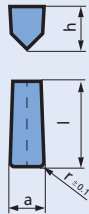
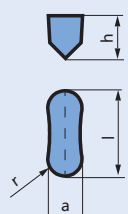
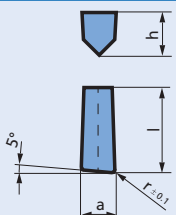
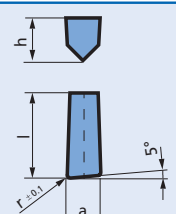
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

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

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

a = 6, 7, 8, 10 mm

Schneidplatten inserts Plaquettes de coupe

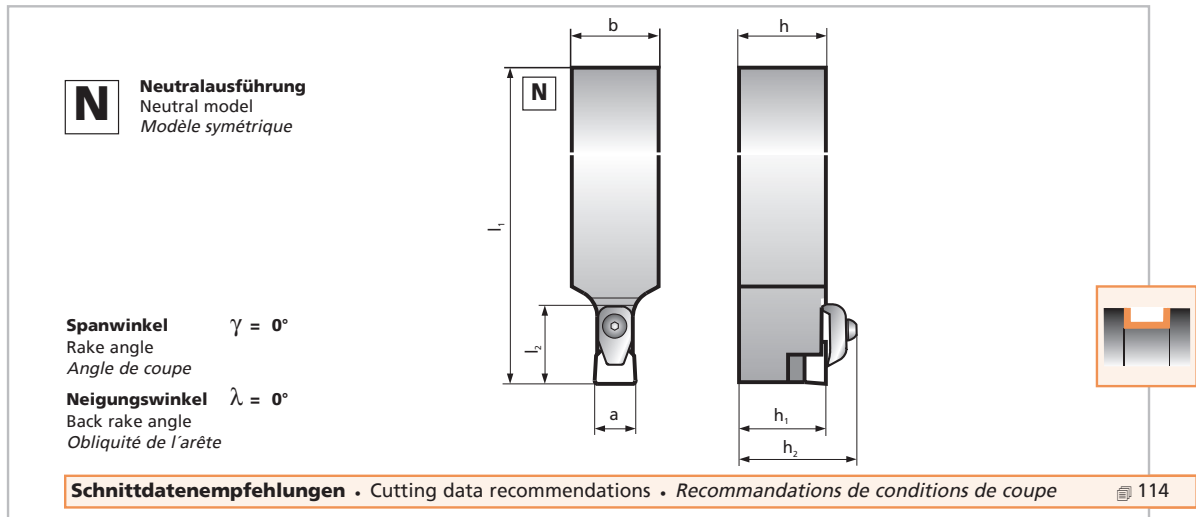
Stechbreite Plunge width Largeur a (mm)	SPK- Bezeichnung SPK Designation Code de SPK	Sorte Grade Nuance	SPK-Best. Nr. SPK ref.no. N° de réf. SPK	Form Style Forme	Abmessungen Dimensions Dimensions (mm) r h l
6,0	GBMP 15E 060 T 00520	SH 2 SL 500 SN 60 SN 80	36.70.768.03.7 36.70.768.03.0 36.70.768.03.5 36.70.768.03.4		0,8 7,5 15,0
	GBMP 15E 060 S 05015	SH 2	36.70.768.31.7		
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		
7,0	LBMP 15E 070 T 00520	SL 500 SN 60	36.70.872.03.0 36.70.872.03.5		3,5 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		4,0 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 15,0
	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
	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

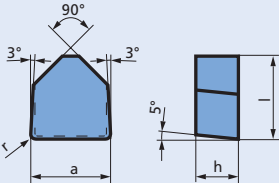


Stechbreite Plunge width Largeur a (mm)	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)				
		h=h ₁	b	l ₁	l ₂	h ₂
10,0	3232	32	32	170	20	42,0
12,0	3232	32	32	170	20	42,0
15,0	3232	32	32	170	30	42,0
19,0	4040	40	40	200	40	50,5
25,0	4040	40	40	200	40	54,0

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

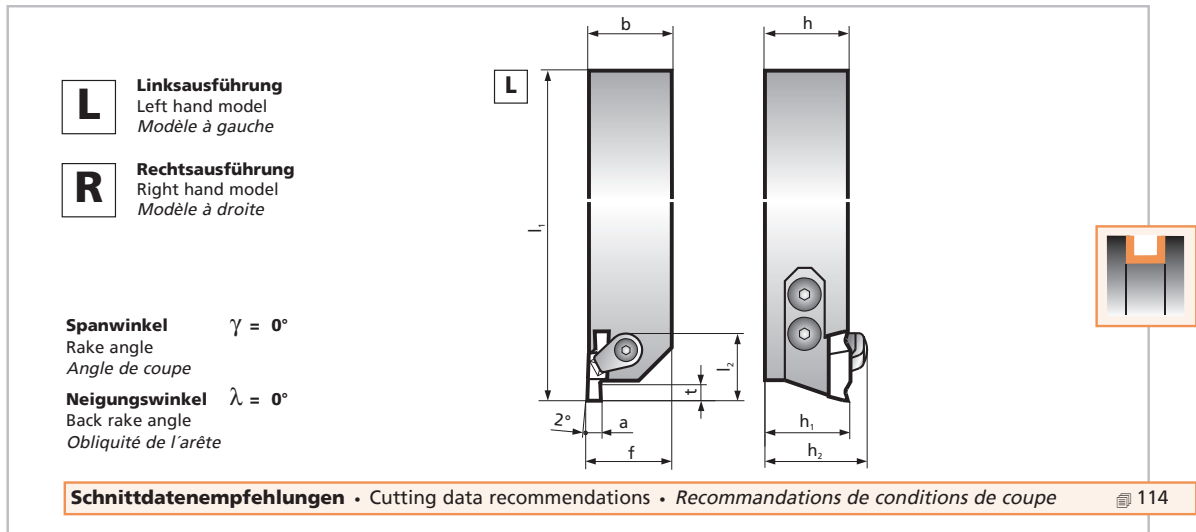
Stechbreite Plunge width Largeur a (mm)	SPK- Bezeichnung SPK Designation Code de SPK	Sorte Grade Nuance	SPK-Best. Nr. SPK ref.no. N° de réf. SPK	Form Style Forme	Abmessungen Dimensions Dimensions (mm)		
					r	h	l
10,0	NBMN 12F 100 T 02020	SH 2 SN 80	36.22.267.04.7 36.22.267.04.4		1,2	7,94	12,0
12,0	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

$a = 1,1-4,15 \text{ mm}$

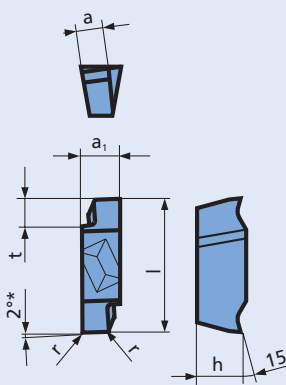


Stechbreite Plunge width Largeur a (mm)	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)						
		t	h=h ₁	b	l ₁	l ₂	f	h ₂
1,1 - 1,6	2525	2,3	25	25	150	20	25,5	30
1,85 - 2,65	2525	3,0	25	25	150	20	25,5	30
3,15	2525	5,0	25	25	150	20	25,5	30
4,15	2525	6,0	25	25	150	20	25,5	30

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

Cermet-Schneidplatten
Cermet inserts
Plaquettes de coupe Cermet

a = 1,1-4,15 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																									
					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																										
130 L		SC 40	46.26.002.40.4																											
130 R		SC 40	46.26.003.40.4																											
1,3 ^{+0,14 +0,05}	160 L	SC 40	46.26.004.40.4	3,0							4,5	5,5	15	0,2																
		160 R	SC 40												46.26.005.40.4															
1,6 ^{+0,14 +0,05}	LDGX 1555	185 L	SC 40												46.26.006.40.4	5,0	5,8	6,5	21	0,2										
		185 R	SC 40												46.26.026.40.4															
215 L		SC 40	46.26.008.40.4												6,0						5,8	6,5	21	0,2						
215 R		SC 40	46.26.009.40.4																											
2,15 ^{+0,14 +0,05}	265 L	SC 40	46.26.010.40.4		* Im eingebauten Zustand im Klemmhalter 0° When mounted in toolholder 0° Après montage dans le porte-outil 0°	6,0	5,8	6,5	21	0,2																				
		265 R	SC 40																						46.26.011.40.4					
2,65 ^{+0,14 +0,05}	LDGX 2165	315 L	SC 40																						46.26.012.40.4	6,0	5,8	6,5	21	0,2
		315 R	SC 40																						46.26.013.40.4					
415 L		SC 40	46.26.021.40.4	6,0							5,8	6,5	21	0,2																
415 R		SC 40	46.26.022.40.4																											
3,15 ^{+0,18 +0,05}	415 L	SC 40	46.26.021.40.4													6,0	5,8	6,5	21	0,2										
		415 R	SC 40																						46.26.022.40.4					
4,15 ^{+0,18 +0,05}	415 R	SC 40	46.26.022.40.4												6,0						5,8	6,5	21	0,2						

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

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

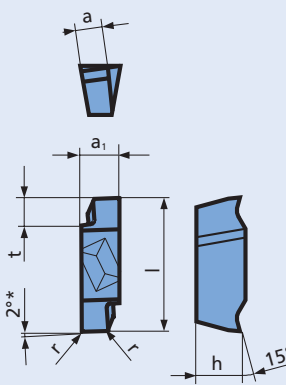
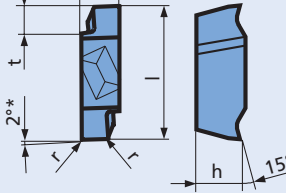
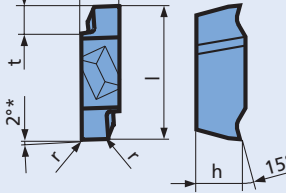
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

Stechbreite Plunge width Largeur a (mm)	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)						
		t	h=h ₁	b	l ₁	l ₂	f	h ₂
1,1 - 1,6	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 Largeur a (mm)	SPK-Bezeichnung SPK designation Code de SPK	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis	Spannelement Clamping element Élément de serrage
1,1 - 1,6	CLFDL 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

Cermet-Schneidplatten
Cermet inserts
Plaquettes de coupe Cermet

a = 1,1-4,15 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					
					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}		130 L	SC 40	46.26.002.40.4						
		130 R	SC 40	46.26.003.40.4						
1,6 ^{+0,14} / _{+0,05}		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}		215 L	SC 40	46.26.008.40.4						
		215 R	SC 40	46.26.009.40.4						
2,65 ^{+0,14} / _{+0,05}		265 L	SC 40	46.26.010.40.4						
		265 R	SC 40	46.26.011.40.4						
3,15 ^{+0,18} / _{+0,05}	LDGX 2165	315 L	SC 40	46.26.012.40.4		5,0	5,8	6,5	21	0,2
		315 R	SC 40	46.26.013.40.4						
4,15 ^{+0,18} / _{+0,05}		415 L	SC 40	46.26.021.40.4						
	415 R	SC 40	46.26.022.40.4	* Im eingebauten Zustand im Klemmhalter 0° When mounted into toolholder 0° Après montage dans le porte-outil 0°						
						6,0	5,8	6,5	21	0,2

Stechwerkzeuge

Tools for grooving

Porte-outils pour la plongée de gorge

a = 1,1-4,15 mm

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

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

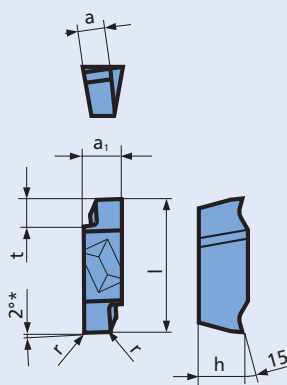
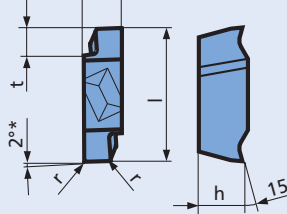
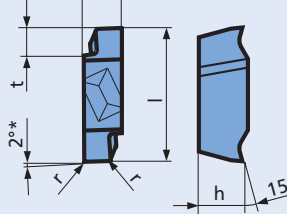
Schnittdatenempfehlungen • Cutting data recommendations • Recommandations de conditions de coupe 114

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

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

Cermet-Schneidplatten
Cermet inserts
Plaquettes de coupe Cermet

a = 1,1-4,15 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				
	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}		130 L	SC 40	46.26.002.40.4						
		130 R	SC 40	46.26.003.40.4						
1,6 ^{+0,14} _{+0,05}		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}		215 L	SC 40	46.26.008.40.4						
		215 R	SC 40	46.26.009.40.4						
2,65 ^{+0,14} _{+0,05}		265 L	SC 40	46.26.010.40.4						
		265 R	SC 40	46.26.011.40.4						
3,15 ^{+0,18} _{+0,05}	LDGX 2165	315 L	SC 40	46.26.012.40.4		5,0	5,8	6,5	21	0,2
		315 R	SC 40	46.26.013.40.4						
4,15 ^{+0,18} _{+0,05}		415 L	SC 40	46.26.021.40.4						
		415 R	SC 40	46.26.022.40.4						

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

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

Stechwerkzeuge

Tools for grooving

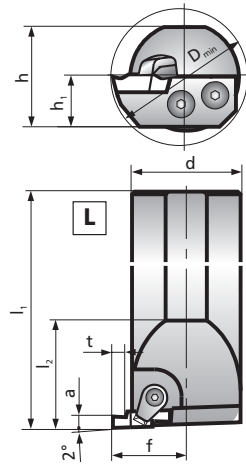
Porte-outils pour la plongée de gorge

a = 1,1-4,15 mm

L Linksausführung
Left hand model
Modèle à gauche

R Rechtsausführung
Right hand model
Modèle à droite

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



Schnittdatenempfehlungen • Cutting data recommendations • Recommandations de conditions de coupe

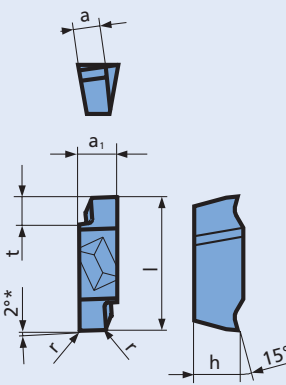
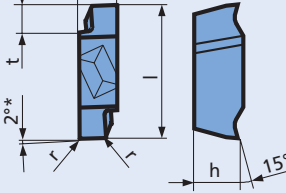
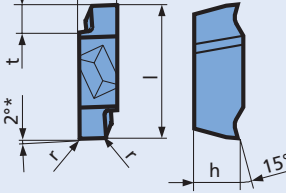
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Stechbreite Plunge width Largeur a (mm)	Schaft Shank Corps Ø 40	Abmessungen • Dimensions • Dimensions (mm)							
		t	d	l ₁	l ₂	f	h	h ₁	D _{min}
1,1 - 1,6	Ø 40	2,3	40	250	39	37	18,5	23	50
1,85 - 2,65	Ø 40	3,0	40	250	39	37	18,5	24	50
3,15	Ø 40	5,0	40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

Stechbreite Plunge width Largeur a (mm)	Schaft Shank Corps Ø 40	SPK-Bezeichnung SPK designation Code de SPK	SPK-Bestellnummer SPK ref. no. N° de réf. SPK	Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis	Spannelement Clamping element Élément de serrage
1,1 - 1,6	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

Cermet-Schneidplatten
Cermet inserts
Plaquettes de coupe Cermet

a = 1,1-4,15 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				
					t	a ₁	h	l	r
1,1 ^{+0,14} / _{+0,05}	LDGX 1250	110 L	SC 40	46.26.000.40.4		4,0	5,0	12	0,1
		110 R	SC 40	46.26.001.40.4					
1,3 ^{+0,14} / _{+0,05}		130 L	SC 40	46.26.002.40.4					
		130 R	SC 40	46.26.003.40.4					
1,6 ^{+0,14} / _{+0,05}		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		4,5	5,5	15	0,2
		185 R	SC 40	46.26.026.40.4					
2,15 ^{+0,14} / _{+0,05}		215 L	SC 40	46.26.008.40.4					
		215 R	SC 40	46.26.009.40.4					
2,65 ^{+0,14} / _{+0,05}		265 L	SC 40	46.26.010.40.4					
		265 R	SC 40	46.26.011.40.4					
3,15 ^{+0,18} / _{+0,05}	LDGX 2165	315 L	SC 40	46.26.012.40.4		5,8	6,5	21	0,2
		315 R	SC 40	46.26.013.40.4					
4,15 ^{+0,18} / _{+0,05}		415 L	SC 40	46.26.021.40.4					
		415 R	SC 40	46.26.022.40.4					

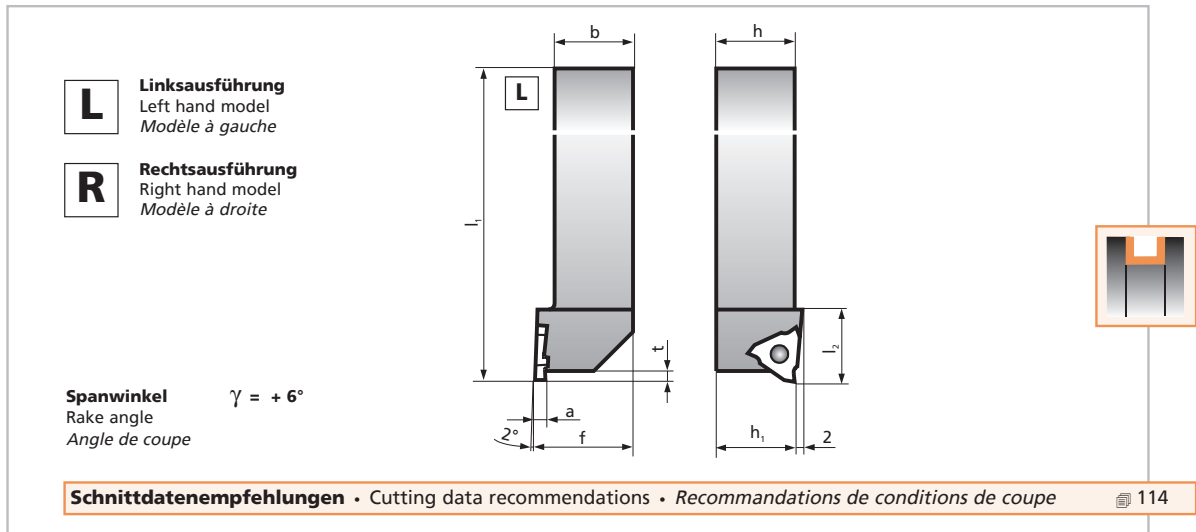
* **Im eingebauten Zustand
im Klemmhalter 0°**
When mounted in toolholder 0°
*Après montage dans le
porte-outil 0°*

Stechwerkzeuge

Tools for grooving

Porte-outils pour la plongée de gorge

a = 1,1-3,15 mm

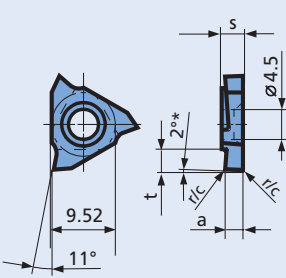


Stechbreite Plunge width Largeur a (mm)	Schaft Shank Corps	Abmessungen • Dimensions • Dimensions (mm)					
		t	h=h ₁	b	l ₁	l ₂	f
1,1 - 1,6	1616	2,0	16	16	100	18,5	20
1,85 - 2,15		2,5					
2,65 - 3,15		3,0					
1,1 - 1,6	2020	2,0	20	20	125	18,5	25
1,85 - 2,15		2,5					
2,65 - 3,15		3,0					
1,1 - 1,6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

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

Cermet-Schneidplatten
Cermet inserts
Plaquettes de coupe Cermet

a = 1,1-3,15 mm

Stechbreite Plunge width Largeur	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	
a (mm)					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}		130 L	SC 40	46.32.530.40.4	3,18 2,0 - 0,05-0,1x45°	
		130 R	SC 40	46.32.515.40.4	3,18 2,0 - 0,05-0,1x45°	
1,6 ^{+0,14 +0,05}		160 L	SC 40	46.32.531.40.4	3,18 2,0 - 0,05-0,1x45°	
		160 R	SC 40	46.32.516.40.4	3,18 2,5 - 0,05-0,1x45°	
1,85 ^{+0,14 +0,05}		185 L	SC 40	46.32.532.40.4	3,18 2,5 - 0,05-0,1x45°	
		185 R	SC 40	46.32.525.40.4	3,18 2,5 - 0,05-0,1x45°	
2,15 ^{+0,14 +0,05}		215 L	SC 40	46.32.533.40.4	3,18 2,5 - 0,05-0,1x45°	
		215 R	SC 40	46.32.526.40.4	3,18 3,0 0,2 -	
2,65 ^{+0,14 +0,05}		265 L	SC 40	46.32.534.40.4	 * Im eingebauten Zustand im Klemmhalter 0° When mounted in toolholder 0° Après montage dans le porte-outil 0°	
		265 R	SC 40	46.32.527.40.4		
3,15 ^{+0,18 +0,05}		315 L	SC 40	46.32.535.40.4		3,40 3,0 0,2 -
		315 R	SC 40	46.32.528.40.4		

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>		Aus- führung 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	36.71.257.04.5	L	710.64.030.45	32	38	22	32	70.91.53.830.0	70.91.11.134.0
				R	710.63.030.45						
	SPA	36.70.697.04.5	36.71.258.04.5	L	710.64.032.45	32	40	22	32	70.91.53.832.0	70.91.11.134.0
				R	710.63.032.45						
	SPB	36.70.714.04.5	36.71.259.04.5	L	710.64.034.45	32	50	22	34	70.91.53.834.0	70.91.11.134.0
				R	710.63.034.45						
	SPC	36.70.716.04.5	36.71.260.04.5	L	710.64.036.45	36	59	23	36	70.91.53.836.0	70.91.11.134.0
				R	710.63.036.45						
38°	SPZ	36.70.700.04.5	36.71.214.04.5	L	710.64.031.45	32	38	24	32	70.91.53.831.0	70.91.11.134.0
				R	710.63.031.45						
	SPA	36.70.698.04.5	36.71.262.04.5	L	710.64.033.45	32	40	22	33	70.91.53.833.0	70.91.11.134.0
				R	710.63.033.45						
	SPB	36.70.715.04.5	36.71.263.04.5	L	710.64.035.45	32	45	22	34	70.91.53.835.0	70.91.11.134.0
				R	710.63.035.45						
	SPC	36.70.717.04.5	36.71.264.04.5	L	710.64.037.45	36	59	23	36	70.91.53.837.0	70.91.11.134.0
				R	710.63.037.45						

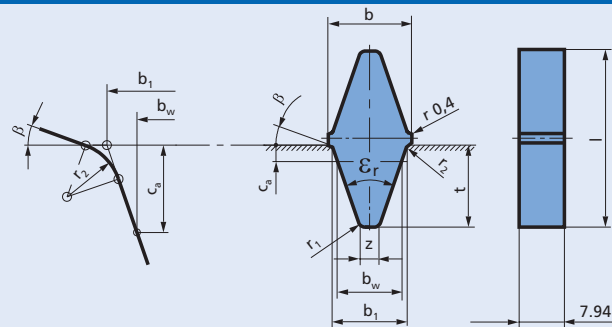
Keramik-Schneidplatten

Ceramic inserts

Plaquettes de coupe céramique

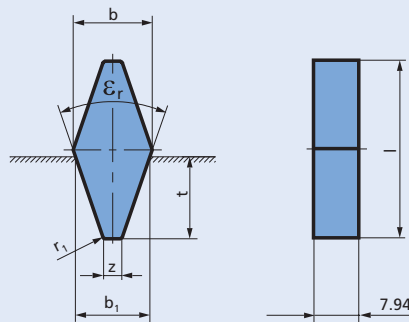
Profil DIN 2211

Profil KP 1 34°, 38° DIN 2211



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

Profil P 1 34°, 38° DIN 2211



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

L

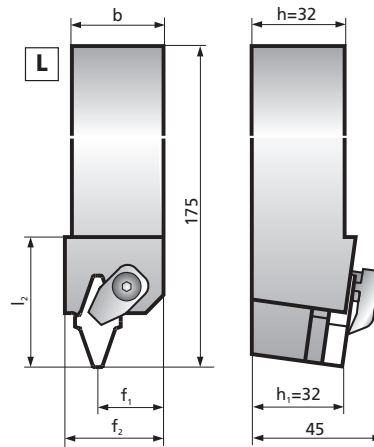
Linksausführung
Left hand model
Modèle à gauche

R

Rechtsausführung
Right hand model
Modèle à droite

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

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



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

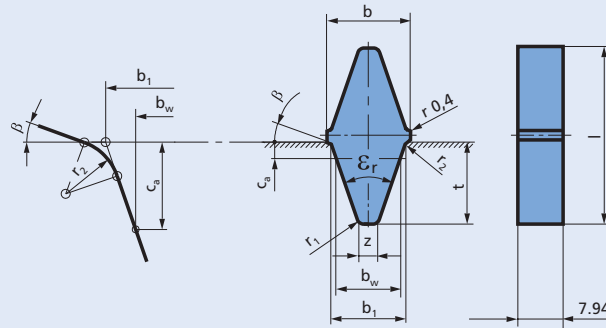
114

Profil KP 1	SPK-Schneidplatte SPK insert Plaquettes SPK	Aus- führung 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
ϵ_r				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						
	36.71.195.04.5	L	712.64.302.45	25	47	15	25	70.91.53.338.0	70.91.11.134.0
		R	712.63.302.45						
	36.71.275.04.5	L	712.64.318.45	32	45	22	32	70.91.23.058.0	70.91.11.134.0
		R	712.63.318.45						
38°	36.71.215.04.5	L	712.64.309.45	32	37	23	32	70.91.53.366.0	70.91.11.091.0
		R	712.63.309.45						
	36.71.246.04.5	L	712.64.324.45	32	46	23	33	70.91.23.133.0	70.91.11.134.0
		R	712.63.324.45						

Profil KP 1

Keramik-Schneidplatten Ceramic inserts Plaquettes de coupe céramique

Profil KP 1 36°, 38°



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

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

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

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

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

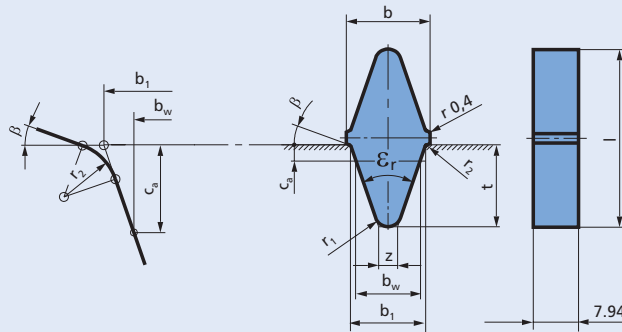
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

Profil KP 2	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
ϵ_r				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

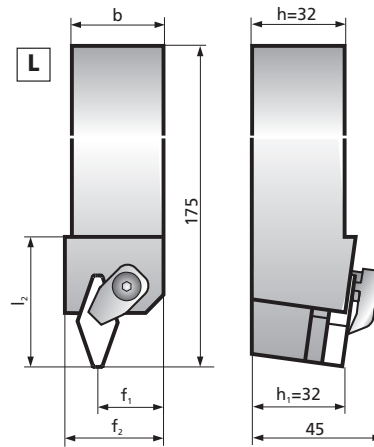
Linksaußführung
Left hand model
Modèle à gauche

R

Rechtsaußführung
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*

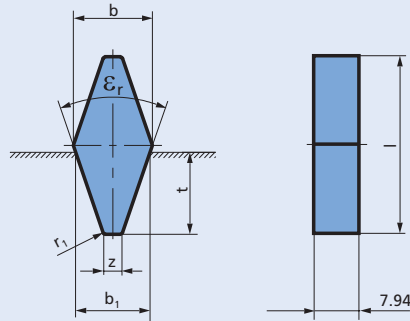
114

Profil P 1	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
ϵ_r				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°	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			
	36.70.710.04.5	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°	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.Sort 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	

L

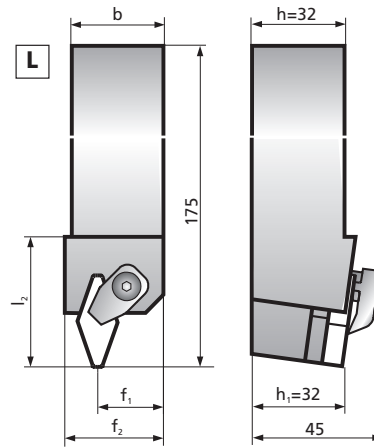
Linksausführung
Left hand model
Modèle à gauche

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*

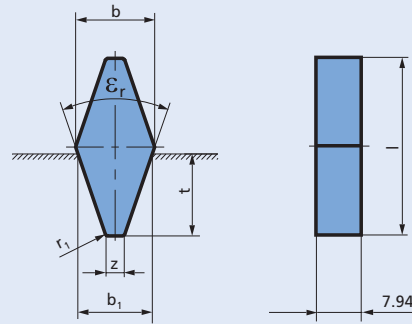
114

Profil P 1	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
ϵ_r				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						
	36.70.833.04.5	L	710.64.081.45	27	44	22	33	70.91.53.875.0	70.91.11.134.0
		R	710.63.081.45						
	36.70.621.04.5	L	710.64.073.45	32	44	22	34	70.91.53.864.0	70.91.11.134.0
		R	710.63.073.45						
	36.70.719.04.5	L	710.64.039.45	32	57	22	34,5	70.91.53.839.0	70.91.11.134.0
		R	710.63.039.45						
40°	36.70.795.04.5	L	710.64.082.45	32	43	20	32	70.91.53.868.0	70.91.11.091.0
		R	710.63.082.45						

Profil P 1

Keramik-Schneidplatten Ceramic inserts Plaquettes de coupe céramique

Profil P 1 38°, 40°



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

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

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

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

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

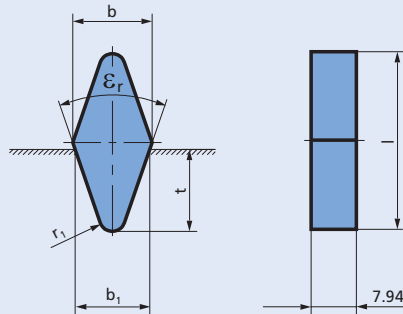
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe* 114

Profil P 2	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
ϵ_r				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
J1, K1, L1	2525	25	25	150	36	22,5	37,5

Poly-V-Profil Poly-V-profil Profil poly-V		SPK-Schneidplatte SPK insert Plaquettes SPK	Ausführung Model Modèle	SPK-Best. Nr. SPK ref. no N° de réf. SPK	Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis	Spannelement Clamping element Elément de serrage
				2525		
Cermet • Cermet • Cermet	J1	ICGP 12A 023 F - J1	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
	K1	ICGP 12A 036 F - K1	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
	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

Cermet • Cermet • Cermet

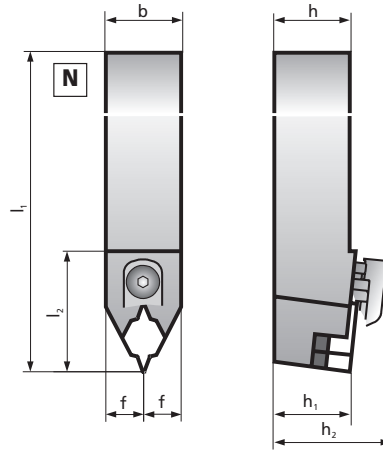
Form Style Forme	ICGP Profil J1	ICGP Profil K1	ICGP Profil L1
Plattendicke Insert thickness Épaisseur de la plaquette s = 5,0 mm			
SPK- Bezeichnung SPK Designation Code de SPK	ICGP 12A 023 F - J1	ICGP 12A 036 F - K1	ICGP 12A 047 F - L1
Sorte Grade • Nuance	SC 40	SC 40	SC 40
SPK-Best. Nr. SPK ref.no. N° de réf. SPK	46.26.142.06.4	46.26.143.06.4	46.26.144.06.4

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 • Cermét	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

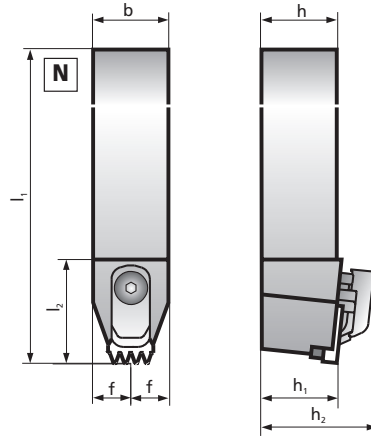
Keramik • Ceramic • Céramique

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

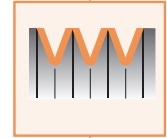
Form Style Forme	INMA Profil J1	INMA Profil K1	INMA Profil L1	INMA Profil M1
Plattendicke Insert thickness Épaisseur de la plaquette s = 4,76 mm				
SPK-Bezeichnung SPK Designation Code de SPK	INMA 25A 023 F - J1	INMA 25AF 036 F - K1	INMA 25A 047 F - L1	INMA 25A 094 F - M1
Sorte Grade . Nuance	SC 40	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

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



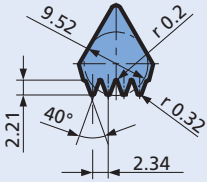
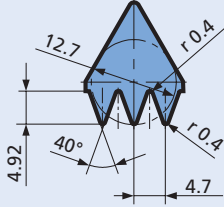
Schnittdatenempfehlungen • Cutting data recommendations • *Recommandations de conditions de coupe*

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 N° de réf. SPK		Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis	Spannelement Clamping element Élément de serrage
		2525	3225		
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
	INMN 12A 146 F	712.16.015.03	712.16.016.03	70.91.23.461.0	70.91.15.001.0

Cermet • Cermet • Cermet

Form Style Forme	INMN Profil J4	INMN Profil L3
		
	INMN 09A 098 F - J4	INMN 12A 146 F - L3
	SC 40	SC 40
	46.70.004.40.4	46.70.003.40.4

Plattendicke
Insert thickness
Épaisseur de la
plaquette

s = 4,76 mm

**SPK-
Bezeichnung**
SPK Designation
Code de SPK

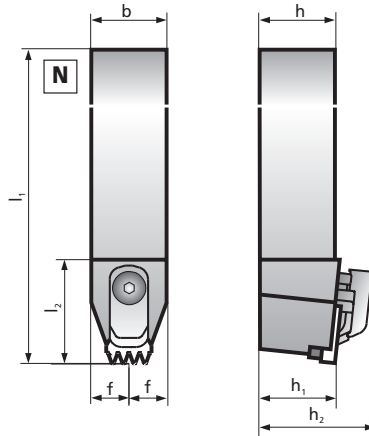
Sorte
Grade . Nuance

SPK-Best. Nr.
SPK ref.no.
N° de réf. SPK

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

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

Poly-V-Profil Poly-V-profil Profil poly-V		SPK-Schneid- platte SPK insert Plaquettes SPK	SPK-Best. Nr. SPK ref. no N° de réf. SPK		Stützplatte mit Schraube Shim with screw Plaquette d'assise avec vis	Spannelement Clamping element Elément 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	70.91.11.232.0
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	70.91.11.232.0

Keramik • Ceramic • Céramique

Form Style Forme	INMN Profil K 3	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

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

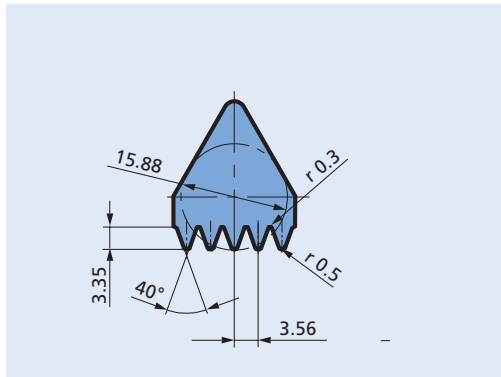
Poly-V-Profil Poly-V-profil Profil poly-V	Schaft Shank Corps	Abmessungen • Dimensions • <i>Dimensions (mm)</i>					
		h=h ₁	b	l ₁	l ₂	f ₁	h ₂
K5	3225	32	25	170	35,5	12	46
K6	3225	32	25	170	35,5	12	46

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 <i>Céramique</i>	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
Plattendicke Insert thickness Épaisseur de la plaquette s = 4,76 mm
SPK- Bezeichnung SPK Designation Code de SPK
Sorte Grade . Nuance
SPK-Best. Nr. SPK ref.no. N° de réf. SPK

INMN
Profil K5

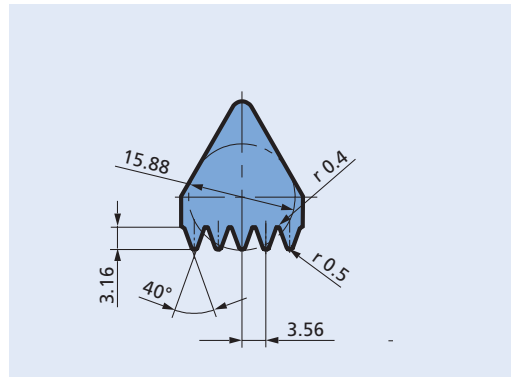


INMN 15A 182 E - K5

SN 60

36.71.507.69.5

INMN
Profil K5-04



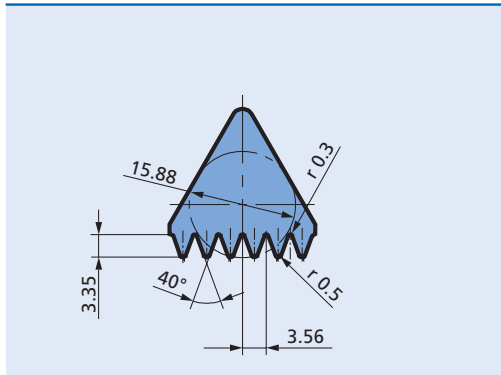
INMN 15A 182 E - K5-04

SN 60

36.71.519.69.5

Form Style Forme
Plattendicke Insert thickness Épaisseur de la plaquette s = 4,76 mm
SPK- Bezeichnung SPK Designation Code de SPK
Sorte Grade . Nuance
SPK-Best. Nr. SPK ref.no. N° de réf. SPK

INMN
Profil K6

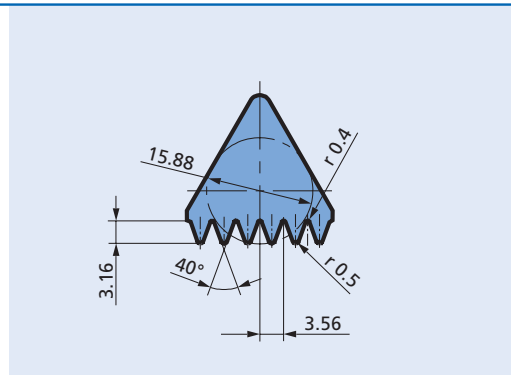


INMN 15A 218 E - K6

SN 60

36.71.508.69.5

INMN
Profil K6-04



INMN 15A 218 E - K6-04

SN 60

36.71.520.69.5





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 Vis de serrage		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 °

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 Plaquette d'assise	Abmessungen Dimensions Dimensions	Spannbolzen Pin Trou	SPK- Schneidplatte SPK insert Plaquette SPK	
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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