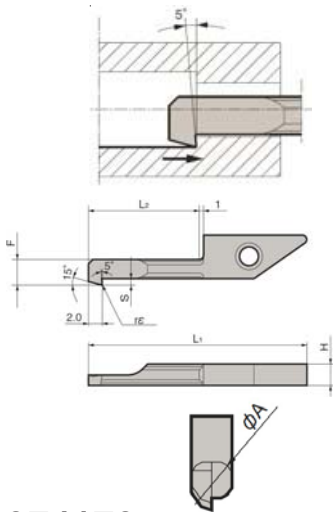


374165.. KYOCERA

Rückwärtsinnendrehen

Micro-alésage inverse

Backboring



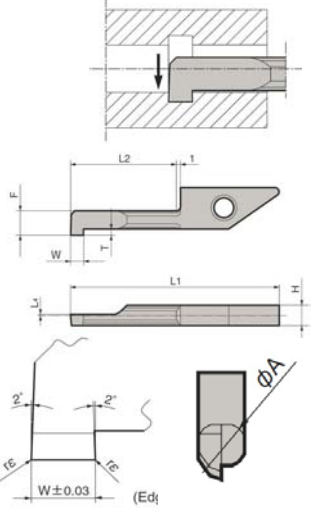
Beschreibung Désignation Description	Art.Nr./no.cde. order no	Dimension [mm]										Hartmetall/métal dur/ grades			
		Min.Dreh- ϕ ϕ min.tourn.											PVD-besch revêtue PVD	unbeschichtet pas revêtue	
		Min.bore ϕ ϕA [mm]	H	L1	L2	L3	F	S	re						
VNBTR	0411-003	374165.0411003	4.0	3.9	30.8	11	-	3.6	1.0	0.03				●	
	0420-003	374165.0420003	4.0	3.9	39.8	20	-	3.6	1.0	0.03				●	
	0511-003	374165.0511003	5.0	3.9	30.8	11	-	4.6	1.3	0.03				●	
	0520-003	374165.0520003	5.0	3.9	39.8	20	-	4.6	1.3	0.03				●	
	0411-01	374165.041101	4.0	3.9	30.8	11	-	3.6	1.0	0.1				●	
	0420-01	374165.042001	4.0	3.9	39.8	20	-	3.6	1.0	0.1				●	
	0511-01	374165.051101	5.0	3.9	30.8	11	-	4.6	1.3	0.1				●	
	0520-01	374165.052001	5.0	3.9	39.8	20	-	4.6	1.3	0.1				●	3.74165215

374170..

Micro-Inneneinstechen

Micro rainurage interne

Micro internal grooving



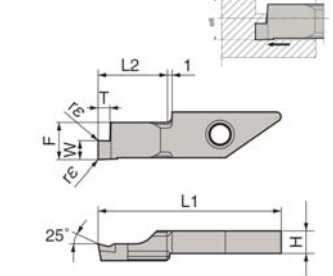
Beschreibung Désignation Description	Art.Nr./no.cde. order no	Dimension [mm]										Hartmetall/métal dur/ grades			
		Min.Dreh- ϕ ϕ min.tourn.											PVD-besch revêtue PVD	unbeschichtet pas revêtue	
		Min.bore ϕ ϕA [mm]	W	re	L2	L1	L4	F	T						
VNGR	0410-11	374170.041011	4.0	1.0	0.05	11	30.8	0.1	3.5	0.8				●	●
	0420-11	374170.042011	4.0	2.0	0.10	11	30.8	0.1	3.5	0.8				●	●
	0510-11	374170.051011	5.0	1.0	0.05	11	30.8	0.1	4.4	1.0				●	●
	0520-11	374170.052011	5.0	2.0	0.10	11	30.8	0.1	4.4	1.0				●	●
	0610-20	374170.061020	6.0	1.0	0.05	20	39.8	0.3	5.2	1.8				●	●
	0620-20	374170.062020	6.0	2.0	0.10	20	39.8	0.3	5.2	1.8				●	●
	0710-20	374170.071020	7.0	1.0	0.05	20	39.8	0.3	6.2	2.0				●	●
	0720-20	374170.072020	7.0	2.0	0.10	20	39.8	0.3	6.2	2.0				●	●

374175..

Axial-Einstechen

p. gorges frontales

Face grooving



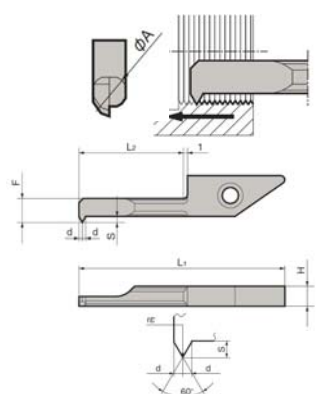
Beschreibung Désignation	order no	Dimension [mm]										Hartmetall/métal dur/ grades				
		Min.Dreh- ϕ ϕ min.tourn.											PVD-besch revêtue PVD	unbeschichtet pas revêtue		
		ϕA [mm]	W ± 0.03	re	H	L1	L2	F	T							
VNFGR	0810-10	374175.081010	8.0	∞	1.0	0.05	3.9	29.6	10	7.30	2.00				●	●
	0820-10	374175.082010	8.0	∞	2.0	0.05	3.9	29.6	10	7.30	2.00				●	●
	0830-10	374170.083010	8.0	∞	3.0	0.05	3.9	29.6	10	7.30	3.00				●	●

374180..

Micro-innengewinde-drehen

Micro filletage intérieur

Face grooving



Beschreibung Désignation	Art.Nr./no.cde. order no	Dimension [mm]										Hartmetall/métal dur/ grades			
		Min.Dreh- ϕ ϕ min.tourn.											PVD-besch revêtue PVD	unbeschichtet pas revêtue	
		ϕA [mm]	H	L1	L2	F	S	d	re						
VNTR	045-11	374180.04511	45	39	30.8	11	36	13	0.60	0.05				●	●
	060-11	374180.06011	60	39	30.8	11	46	16	0.80	0.05				●	●

Das System für hohe Bearbeitungsgenauigkeit
Sytem Tip Bar Kit 2
 zum Innendrehen, Rückwärts-Innendrehen, Stechen, Axialstechen & Gewindschneiden

le système pour une grande précision de tournage
Le système Tip Bar Kit 2
 p. tournage intérieur, alésage inverse, rainurage, gorges frontals & micro filetage

Tool system for a high precision in turning
The system Tip Bar Kit 2
 for internal turning, back-turning, internal grooving, face grooving & micro threading



• S16H-SVNR12N **Standardhalter rund mit Einspannflächen**

• S16H-SVNR12N **porte-plaquette standard ronde**
plâtes pour le serrage

• S16H-SVNR12N **standard round tool-holder, flats for clamping**

• VNBR0411-02PR930 **zum Innendrehen**

• VNBR0411-02PR930 **p. tournage intérieur**

• VNBR0411-02PR930 **for internal turning**

• VNBTR0411-01PR930 **zum Rückwärts-Innendrehen**

• VNBTR0411-01PR930 **p. alésage inverse**

• VNBTR0411-01PR930 **for back turning**

• VNGR0420-11PR930 **zum Micro Innen-Einstecken**

• VNGR0420-11PR930 **p. micro rainurage interne**

• VNGR0420-11PR930 **for micro internal grooving**

• VNFR0820-10PR930 **z. Axial-Einstecken**

• VNFR0820-10PR930 **p. gorges frontals**

• VNFR0820-10PR930 **for face grooving**

• VNTR045-11PR930 **z. Micro-Innengewindedrehen**

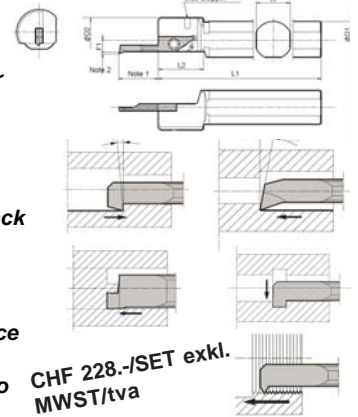
• VNTR045-11PR930 **p. micro filletage intérieur**

• VNTR045-11PR930 **for micro threading**

• Hartmetallsorte PR930

• Nuance métal dur PR930

• Carbide grade PR930



CHF 228.-/SET exkl. MWST/tva

Bestellnummer/ no.commande Tip Bar Set 2: 374100.100 228.-CHF/Set

System-Tip-Bar-Set 3 , D=16mm Halter, nur zum Innendrehen. bestehend aus:

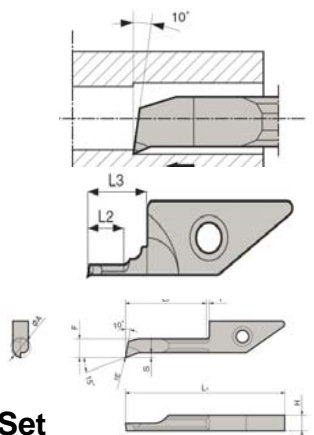
Système-Tip-Bar-Set 3 D=16mm porte outil, p. tournage intérieur existante de:

System-Tip-Bar-Set 3 D=16mm tool holder, for internal turning, composed of:

Halter(16mm) S16H-SVNR12 N
 Ausdreheinsatz 1,0mm : VNBR0105-005S PR930
 Ausdreheinsatz 2,0mm : VNBR0206-02 PR930
 Ausdreheinsatz 3,0mm : VNBR0311-02 PR930
 Ausdreheinsatz 4,0mm : VNBR0411-02 PR930
 Ausdreheinsatz 5,0mm : VNBR0511-02 PR930

Porte outil(16mm) S16H-SVNR12 N
 Barre 1,0mm : VNBR0105-005S PR930
 Barre 2,0mm : VNBR0206-02 PR930
 Barre 3,0mm : VNBR0311-02 PR930
 Barre 4,0mm : VNBR0411-02 PR930
 Barre 5,0mm : VNBR0511-02 PR930

Bar holder(16mm) S16H-SVNR12 N
 Bar 1,0mm : VNBR0105-005S PR930
 Bar 2,0mm : VNBR0206-02 PR930
 Bar 3,0mm : VNBR0311-02 PR930
 Bar 4,0mm : VNBR0411-02 PR930
 Bar 5,0mm : VNBR0511-02 PR930



Bestellnummer/ no.commande Tip Bar Set 3: 374100.200 228.-CHF/Set

Empfohlenen Schnittdaten für VNB, VNB-NB, VNB

Vitesses de coupe et avances recommandées p. VNB, VNB-NB, VNB

Recommneded cutting conditions for VNB, VNB-NB, VNB

3.74160DrehenVNB_SW Material Werkstück matériel de la pièce Workpiece Material	Empfohlene Hartmetallsorten, nuances carbure recomm.,recomm.insert grades (Schnittgeschwindigkeit, vitesse de coupe, cutting Speed: m/min)							VNB02 Type		VNB03 Type		VNB04 VNB04 Type		VNB05 VNB06 VNB07 Type VNB05		Remarks
	Cermet	PVD Coated Carbide		Carbide	CBN	PCD		Cut: ap(mm), Feed: f(mm/rev)								
	TC60	PR915	PR930	KW10	KBN510	KPD001	KPD010	ap	f	ap	f	ap	f	ap	f	
Kohlenstoff-Stähle, legierte Stähle/aciers de construction,aciers alliés/ carbon steel / alloy Steel	☆	☆	★					~0.3	~0.03	~0.4	~0.04	~0.45	~0.07	~0.5	~0.1	Kühlmittel lubrication
INOX-Stähle, aciers inoxydables,Stainless Steel	☆	☆	★					~0.3	~0.02	~0.4	~0.03	~0.45	~0.05	~0.5	~0.07	
Nichtmetallische Werkstoffe, matériel non métalliques,non-ferrous metals				☆		★	☆	~0.3	~0.05	~0.4	~0.06	~0.45	~0.1	~0.5	~0.15	

*gei gnet /appr cpr i é/appropriate