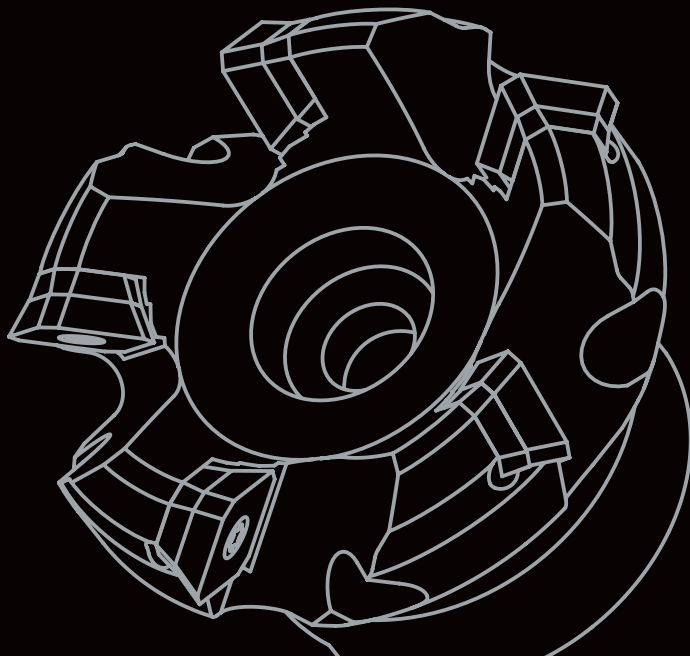


CATALOGUE 2014



PIKOTOLS





STOCK CLASSIFICATION

- , ● Standard stock items, usually available in warehouse.
- , ○ Non standard stock items, please ask for availability and minimum order quantity if applicable.
- Stock exhaustion.
- ★ Future introduction.

○, ● Not included in the previous catalogue.

STANDARD PACKAGING

- holders, PCBN, diamond 1 piece
- carbide, ceramic 10 pieces

Due to continuous evolution of cutting materials and introduction of new products, stock situation reported in the present catalogue may vary without notice.



CLASSIFICAZIONE STOCK

- , ● Materiale stock standard, normalmente disponibile a magazzino.
- , ○ Materiale NON stock standard, richiedere disponibilità ed eventuale quantitativo minimo.
- Esaurimento stock.
- ★ Articolo di futura introduzione.

○, ● Non incluso nel catalogo precedente.

CONFEZIONAMENTO STANDARD

- holders, PCBN, diamond 1 pezzo
- carbide, ceramic 10 pezzi

Grazie alla continua introduzione di nuovi prodotti ed all'evoluzione dei materiali da taglio, la situazione stock menzionata nel presente catalogo può variare senza preavviso.



KLASSIFIZIERUNG DER VERFÜGBARKEIT

- , ● Stock standard, normalerweise Verfügbar - Lagerware.
- , ○ NICHT Stock standard, KEINE Lagerware. Verfügbarkeit und Mindestmenge muss angefragt werden.
- Vorraterschöpfung.
- ★ Artikel, der in Zukunft eingeführt wird.

○, ● Nicht im vorherigen Katalog vorhanden.

STANDARD VERPACKUNGSEINHEIT

- holders, PCBN, diamond 1 Stk
- carbide, ceramic 10 Stk

Wegen der ständigen Entwicklung neuer Produkte und Schneidstoffe, kann die angegebene Verfügbarkeit der Produkte in jedem Moment ohne Voranmeldung geändert werden.



CLASSIFICATION STOCK

- , ● Matériel stock standard, normalement disponible en stock.
- , ○ Matériel stock non standard, demander disponibilité au magasin et éventuellement quantitatif minimum.
- Épuisement du stock.
- ★ Article prochainement introduit.

○, ● Pas présent dans l'ancien catalogue.

CONDITIONEMENT STANDARD

- holders, PCBN, diamond 1 pièce
- carbide, ceramic 10 pièce

Grace à l'introduction continue de nouveaux produits et à l'évolution des outils de coupe, la situation des stocks mentionnés dans ce catalogue peut être modifiée sans préavis.



CLASIFICACIÓN DE STOCK

- , ● Artículos stock standard, usualmente disponibles en almacén.
- , ○ Artículos NON stock standard, ponerse en contacto con nosotros para verificar disponibilidad y eventual cantidad mínima.
- Agotamiento de stock.
- ★ Artículo disponible en futuro.

○, ● Artículo non disponible anteriormente.

CAJA STANDARD

- holders, PCBN, diamond 1 unidad
- carbide, ceramic 10 unidad

En consecuencia de la continua introducción de nuevos productos y de la evolución de los materiales de corte, la clasificación de stock indicada en el presente catálogo puede cambiar sin previo aviso.



КЛАССИФИКАЦИЯ НАЛИЧИЯ НА СКЛАДЕ

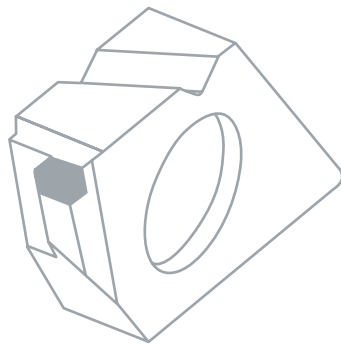
- , ● Стандартный склад, обычно в наличии на складе.
- , ○ Нестандартный склад, наличие на складе не гарантируется.
- складские остатки.
- ★ Продукция на фазе внедрения

○, ● Отсутствует в предыдущем каталоге.

СТАНДАРТНАЯ УПАКОВКА

- holders, PCBN, diamond 1 ШТУКА
- carbide, ceramic 10 ШТУК

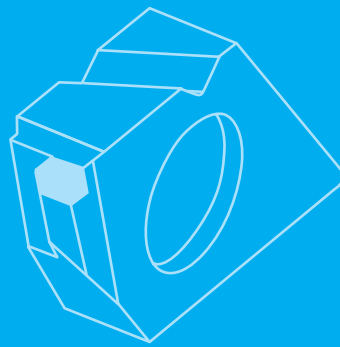
Благодаря постоянному внедрению новой продукции и разработке новых материалов, продукция упомянутая в данном каталоге, а также наличие на её складе, может изменяться без предварительного уведомления.



GROOVING /

PCBN /253
diamond /259
holders /265

GROOVING / PCBN



GRADES

- TURNING
- MICROMEGA
- MICROBORING
- THREADING
- GROOVING
- MILLING
- DRILLING
- SPARE PARTS
- INDEX

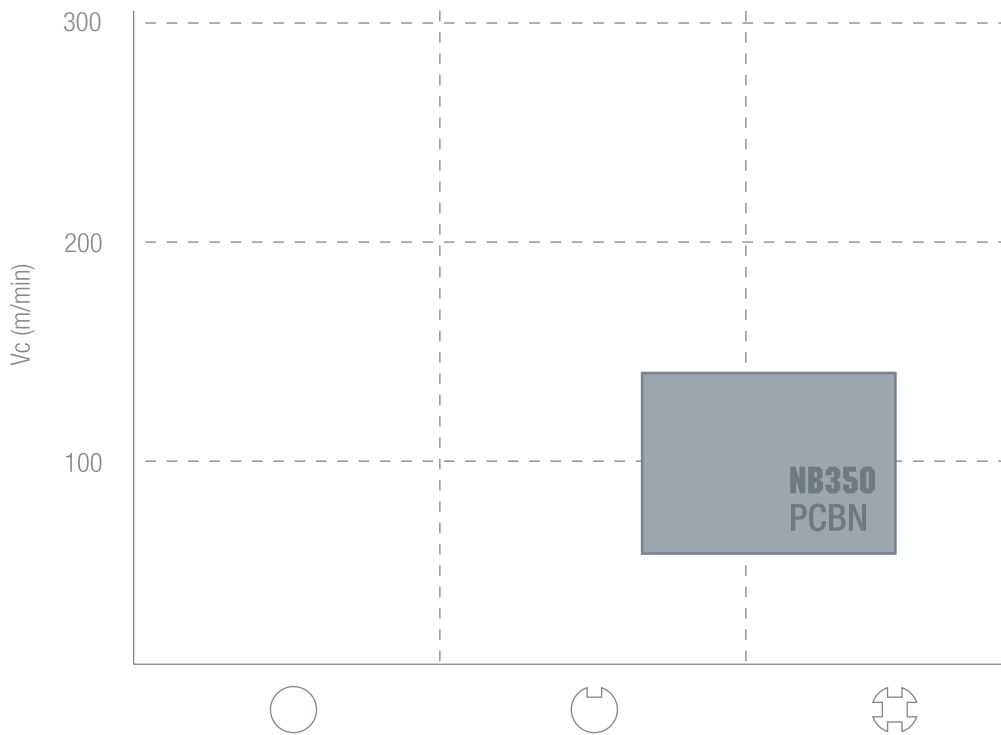
ISO DIN 513	H					K																						
	H01	H10	H20	H30	H40	K01	K10	K20	K30	K40																		
PCBN-Carbide reinforced																												
PCBN-Vertical & Solid (NBS Series)																												

NB350

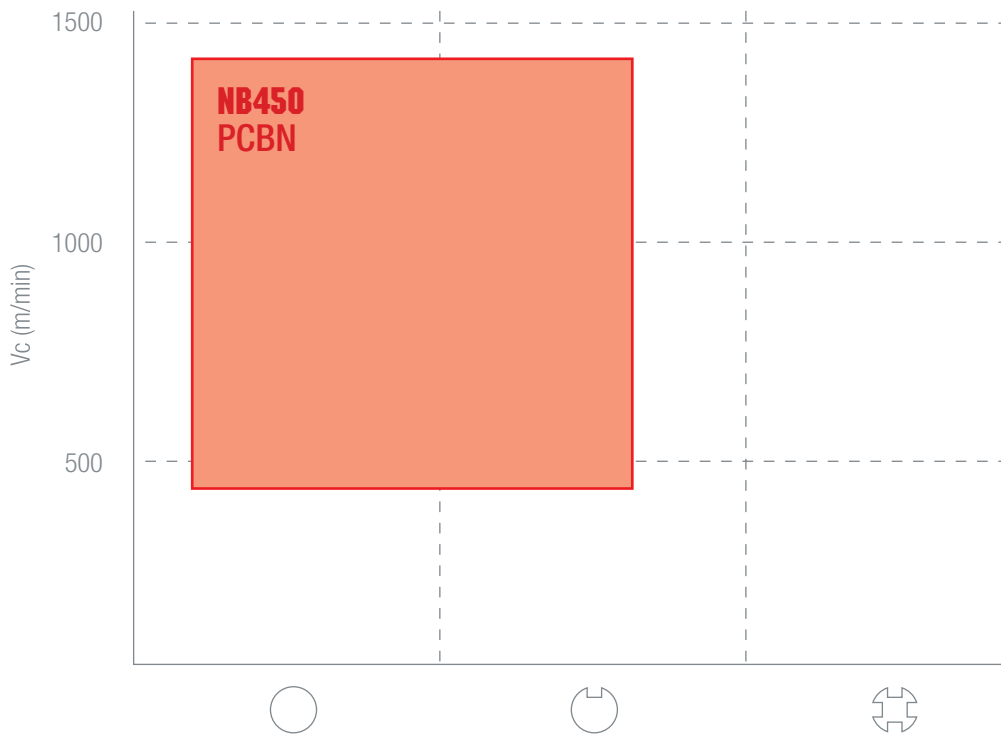
NB450

COATED

RANGE ISO H PCBN-Carbide reinforced



RANGE ISO K PCBN-Carbide reinforced

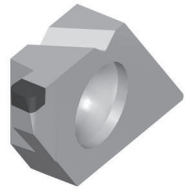
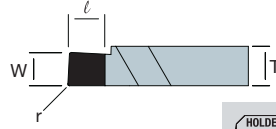
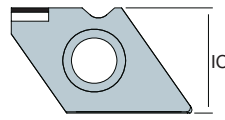


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- TURNING
- MICRONEGA
- MICROBORING
- THREADING
- GROOVING
- MILLING
- DRILLING
- SPARE PARTS
- INDEX

BGF

FLAT



DESCRIPTION

DIMENSIONS

PCBN-Carbide reinforced

NB350 **NB450U**

W ±0.05 l r IC T R L R L

BGF R/L	DESCRIPTION	W ±0.05	l	r	IC	T	NB350		NB450U	
							R	L	R	L
	100-010	1.00	1.8	0.10	12.70	4.76	●	●	○	○
	120-010	1.20	1.8	0.10	12.70	4.76	●	○	○	○
	140-010	1.40	1.8	0.10	12.70	4.76	●	○	○	○
	150-010	1.50	2.6	0.10	12.70	4.76	●	●	○	○
	170-010	1.70	2.6	0.10	12.70	4.76	○	○	○	○
	185-010	1.85	2.6	0.10	12.70	4.76	○	○	○	○
	195-010	1.95	2.6	0.10	12.70	4.76	●	○	○	○
	200-010	2.00	3.0	0.10	12.70	4.76	●	○	○	○
	200-020	2.00	3.0	0.20	12.70	4.76	●	●	○	○
	225-020	2.25	3.0	0.20	12.70	4.76	○	○	○	○
	230-020	2.30	3.0	0.20	12.70	4.76	○	○	○	○
	250-020	2.50	3.5	0.20	12.70	4.76	●	●	○	○
	275-020	2.75	3.5	0.20	12.70	4.76	○	○	○	○
	280-020	2.80	3.5	0.20	12.70	4.76	○	○	○	○
	300-020	3.00	4.5	0.20	12.70	4.76	●	●	●	●
	330-020	3.30	4.5	0.20	12.70	4.76	○	○	○	○
	350-020	3.50	4.5	0.20	12.70	4.76	●	●	○	○
	400-020	4.00	4.5	0.20	12.70	4.76	●	●	○	○

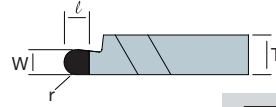
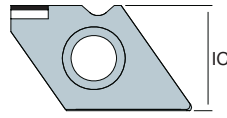
NB450U = uncoated

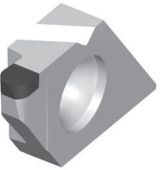
Vc · fn

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BGF

FULL RADIUS



DESCRIPTION		DIMENSIONS					PCBN-Carbide reinforced								
		W ±0.05	l	r	IC	T	NB350		NB450U						
							R	L	R	L					
	BGF R/L	100-050FR	1.00	1.8	0.50	12.70	4.76	○	○	○	○				
		150-075FR	1.50	2.6	0.75	12.70	4.76	○	●	○	○				
		200-100FR	2.00	3.0	1.00	12.70	4.76	●	○	○	○				
		250-125FR	2.50	3.5	1.25	12.70	4.76	○	○	○	○				
		300-150FR	3.00	4.5	1.50	12.70	4.76	●	○	○	○				
		350-175FR	3.50	4.5	1.75	12.70	4.76	○	○	○	○				
		400-200FR	4.00	4.5	2.00	12.70	4.76	●	○	○	○				
		NB450U = uncoated													

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TURNING

MICROMEGA

MICROBORING

THREADING

GROOVING

MILLING

DRILLING

SPARE PARTS

INDEX

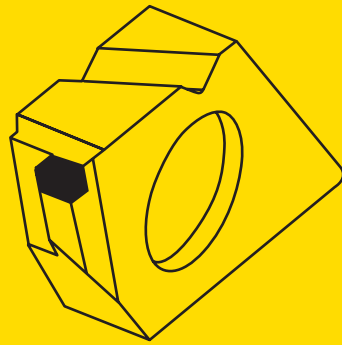
CUTTING PARAMETERS

H HH	HARDENED STEEL	H HB	BEARING STEEL
	ACCIAIO TEMPRATO		ACCIAIO PER CUSCINETTI
	GEHÄRTETER STAHL		STAHL FÜR LAGER
	ACIER TREMPÉ		ACIER POUR ROULEMENTS
	ACERO TEMPLADO		ACERO PARA RODAMIENTOS
H HC	ЗАКАЛЁННАЯ СТАЛЬ		СТАЛЬ ДЛЯ ПОДШИПНИКОВ
	CASEHARDENED STEEL		
	ACCIAIO CEMENTATO		
	EINGESETZTER STAHL		
	ACIER CEMENTÉ		
	ACERO CEMENTADO		
	ЦЕМЕНТИРОВАННАЯ СТАЛЬ		

MATERIAL	W (mm)	fn (mm/rev)	CUTTING CONDITIONS		PCBN	
					NB350	NB450U
H HH	1.00~2.00	0.05~0.12	○	☹ ☹	★	
	2.00~3.00	0.05~0.15			80~150	
	3.00~4.00	0.08~0.15			★	
	1.00~2.00	0.05~0.12	⊕	☹	60~120	★
	2.00~3.00	0.05~0.15			60~120	80~150
	3.00~4.00	0.08~0.15			60~120	★
	1.00~2.00	0.05~0.12	○	☹ ☹	★	
	2.00~3.00	0.05~0.15			80~140	
	3.00~4.00	0.08~0.15			★	
	1.00~2.00	0.05~0.12	⊕	☹	60~100	★
	2.00~3.00	0.05~0.15			60~100	80~140
	3.00~4.00	0.08~0.15			60~100	★
1.00~2.00	0.05~0.12	○	☹ ☹	★		
2.00~3.00	0.05~0.15			80~120		
3.00~4.00	0.08~0.15			★		
1.00~2.00	0.05~0.12	⊕	☹	60~100	★	
2.00~3.00	0.05~0.15			60~100	80~120	
3.00~4.00	0.08~0.15			60~100	★	

★ = 1st choice / 1^a scelta / 1. Wahl / 1^{er} choix / 1^{ra} elección / 1-й выбор

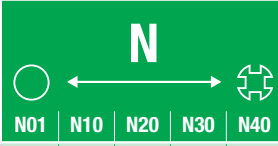
GROOVING / diamond



GRADES

- TURNING
- MICROMEGA
- MICROBORING
- THREADING
- GROOVING**
- MILLING
- DRILLING
- SPARE PARTS
- INDEX

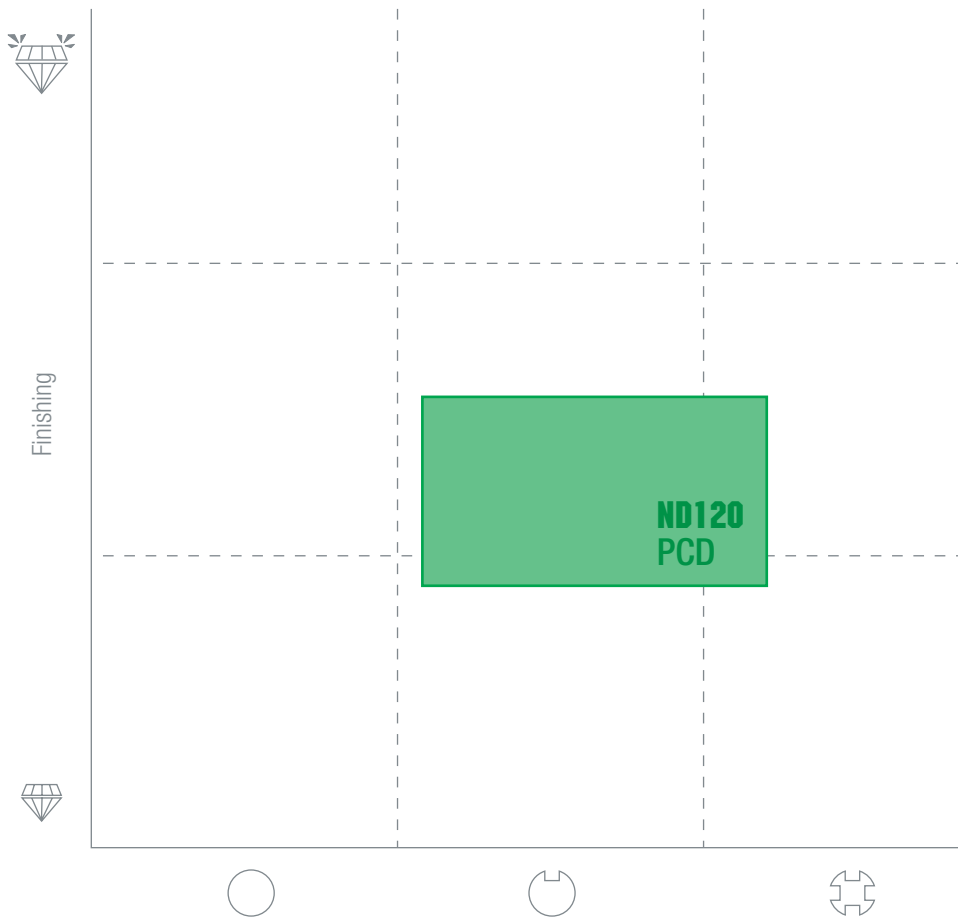
ISO
DIN 513



	N01	N10	N20	N30	N40														
PCD																			
CVD																			
MONO																			

ND120

RANGE ISO **N** DIAMOND

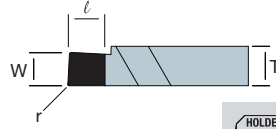
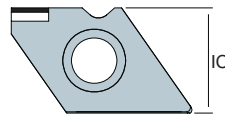


TURNING
MICROMEGA
MICROBORING
THREADING
GROOVING
MILLING
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BGF

FLAT



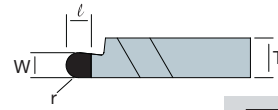
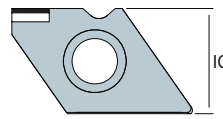
DESCRIPTION	DIMENSIONS						PCD												
	W ±0.05	l	r	IC	T	R	L												
	BGF R/L																		
	100-010	1.00	1.8	0.10	12.70	4.76	○												
	120-010	1.20	1.8	0.10	12.70	4.76	○												
	140-010	1.40	1.8	0.10	12.70	4.76	○												
	150-010	1.50	2.6	0.10	12.70	4.76	○												
	170-010	1.70	2.6	0.10	12.70	4.76	○												
	185-010	1.85	2.6	0.10	12.70	4.76	○												
	195-010	1.95	2.6	0.10	12.70	4.76	○												
	200-010	2.00	3.0	0.10	12.70	4.76	○												
	200-020	2.00	3.0	0.20	12.70	4.76	●												
	225-020	2.25	3.0	0.20	12.70	4.76	○												
	230-020	2.30	3.0	0.20	12.70	4.76	○												
	250-020	2.50	3.5	0.20	12.70	4.76	○												
	275-020	2.75	3.5	0.20	12.70	4.76	○												
	280-020	2.80	3.5	0.20	12.70	4.76	○												
	300-020	3.00	4.5	0.20	12.70	4.76	●												
	330-020	3.30	4.5	0.20	12.70	4.76	○												
350-020	3.50	4.5	0.20	12.70	4.76	○													
400-020	4.00	4.5	0.20	12.70	4.76	○													

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BGF

FULL RADIUS



DESCRIPTION		DIMENSIONS					PCD										
		W ±0.05	l	r	IC	T	R	L									
	BGF R/L	100-050FR	1.00	1.8	0.50	12.70	4.76	○									
		150-075FR	1.50	2.6	0.75	12.70	4.76	○									
		200-100FR	2.00	3.0	1.00	12.70	4.76	○									
		250-125FR	2.50	3.5	1.25	12.70	4.76	○									
		300-150FR	3.00	4.5	1.50	12.70	4.76	●									
		350-175FR	3.50	4.5	1.75	12.70	4.76	○									
		400-200FR	4.00	4.5	2.00	12.70	4.76	○									

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- TURNING
- MICROMEGA
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CUTTING PARAMETERS

N	NA	ALUMINUM ALLOYS
		LEGHE DI ALLUMINIO
		ALUMINIUMLEGIERUNGEN
		ALLIAGES D'ALUMINIUM
		ALEACIONES DE ALUMINIO
		СПЛАВЫ АЛЮМИНИЯ
N	NS	ALUMINUM ALLOYS (Si >15%)
		LEGHE DI ALLUMINIO (Si >15%)
		ALUMINIUMLEGIERUNGEN (Si >15%)
		ALLIAGES D'ALUMINIUM (Si >15%)
		ALEACIONES DE ALUMINIO (Si >15%)
		СПЛАВЫ АЛЮМИНИЯ (Si >15%)


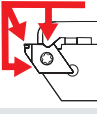
N	NB	BRASS
		OTTONE
		MESSING
		LAITON
		LATÓN
		ЛАТУНЬ
N	NG	GRAPHITE
		GRAFITE
		GRAPHIT
		GRAPHITE
		GRAFITO
		ГРАФИТ

MATERIAL	W (mm)	fn (mm/rev)	CUTTING CONDITIONS			PCD
						ND120
N	NA	1.00~2.00	0.05~0.12			600~2500
		2.00~3.00	0.05~0.15			600~2500
		3.00~4.00	0.08~0.15			600~2500
	NS	1.00~2.00	0.05~0.12			500~1500
		2.00~3.00	0.05~0.15			500~1500
		3.00~4.00	0.08~0.15			500~1500
	NB	1.00~2.00	0.05~0.12			400~1200
		2.00~3.00	0.05~0.15			400~1200
		3.00~4.00	0.08~0.15			400~1200
	NG	1.00~2.00	0.05~0.12			300~800
		2.00~3.00	0.05~0.15			300~800
		3.00~4.00	0.08~0.15			300~800

★ = 1st choice / 1^a scelta / 1. Wahl / 1^{er} choix / 1^{ra} elección / 1-й выбор

CAPTION LEGENDA / LEGENDE / LÉGENDE / CLAVE / УСЛОВНЫЕ ОБОЗНАЧЕНИЯ

- TURNING
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 EXTERNAL	<ul style="list-style-type: none"> EXTERNAL HOLDERS UTENSILI PER LAVORAZIONE ESTERNA WERKZEUG FÜR AUSSENBEARBEITUNGEN OUTILS POUR USINAGE EXTÉRIEUR HERRAMIENTAS PARA MECANIZADO EXTERIOR ИНСТРУМЕНТ ДЛЯ ВНЕШНЕЙ ОБРАБОТКИ
	<ul style="list-style-type: none"> DOUBLE CLAMPING DOPPIO BLOCCAGGIO DOPPELKLEMME FERMETURE DOUBLE SUJECIÓN RÍGIDA ДВОЙНОЕ КРЕПЛЕНИЕ

BGF-HLD

double clamp **BGF^R/L**

BGF ^R /L	DESCRIPTION	STOCK		DIMENSIONS											
		R	L	H	B	L	F	l							
BGF ^R /L	BGF-HLD	1616 ^R /L	● ○	16	16	150	30	44.5	NT-ST300	NT-FT15	NT-CS300 ^R /L	NT-SC300	NT-WR040		
		2020 ^R /L	● ●	20	20	150	30	44.5	NT-ST300	NT-FT15	NT-CS300 ^R /L	NT-SC300	NT-WR040		
		2525 ^R /L	● ●	25	25	150	30	44.5	NT-ST300	NT-FT15	NT-CS300 ^R /L	NT-SC300	NT-WR040		
		3232 ^R /L	○ ●	32	32	170	40	44.5	NT-ST300	NT-FT15	NT-CS300 ^R /L	NT-SC300	NT-WR040		

- TURNING
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- MICROBORING
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PCBN 256

diamond 262