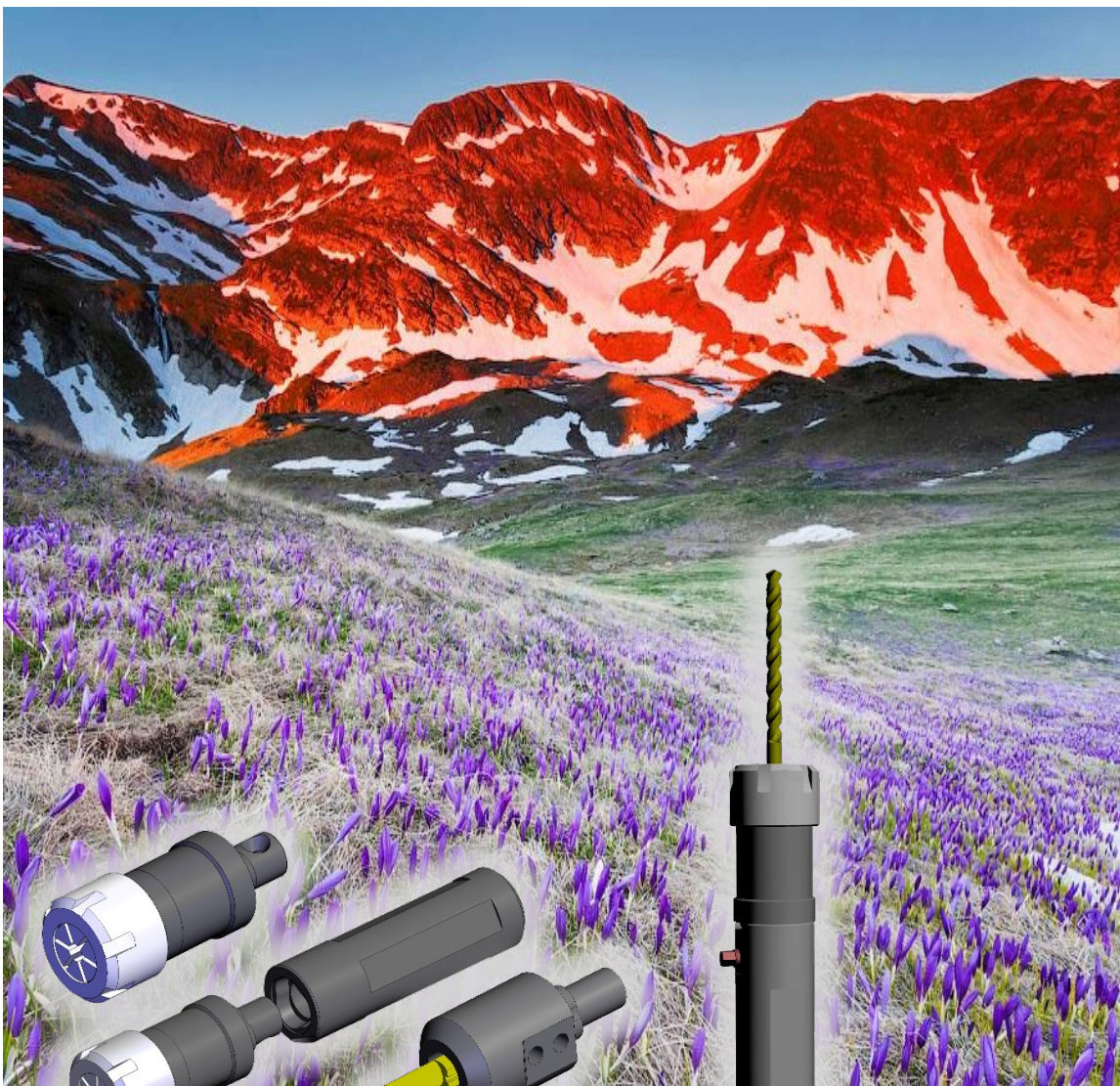




NEXXTOOLS
Tooling Technology

SWISS TYPE
Modular System

NexxQuick
Quick change system

TORNOS

THE ULTIMATE MACHINING POWER
WOODWAY

stair[®]
CNC Machine Tool Corp.

DMG Mori

NEXXTOOLS
Tooling Technology

CITIZEN

PRECISION
TSUGAMI

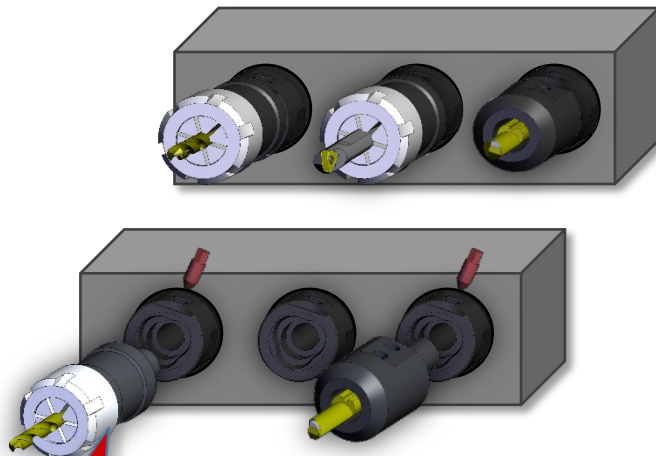
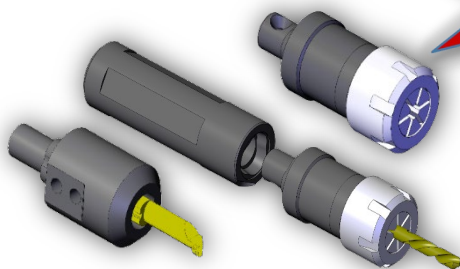
POLY GIM

NEXXTOOLS
Tooling Technology



Advantages

- Highly accurate positioning of the replaceable head
- Precisely fitting, rigid interface with face contact
- high repeatability
- Center height is guaranteed
- Internal cooling is standard
- Presettable outside the machine
- Easy handling (only one clamping screw)



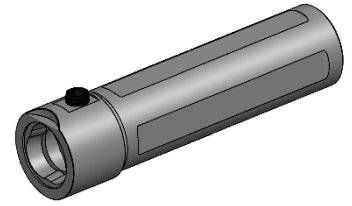
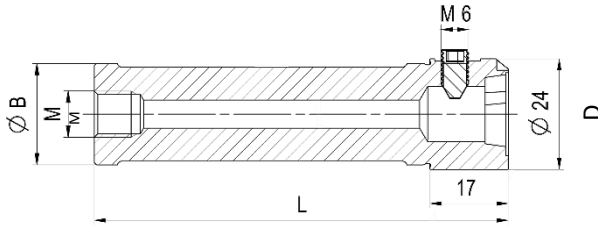
Changing
just in 30
seconds

Quick change, without having to remove the tool-holder from the gang. **Presetting** is possible outside of the machine.

Reduce downtimes in your machines Only thirty-six percent of the machine time is used for metal cutting.

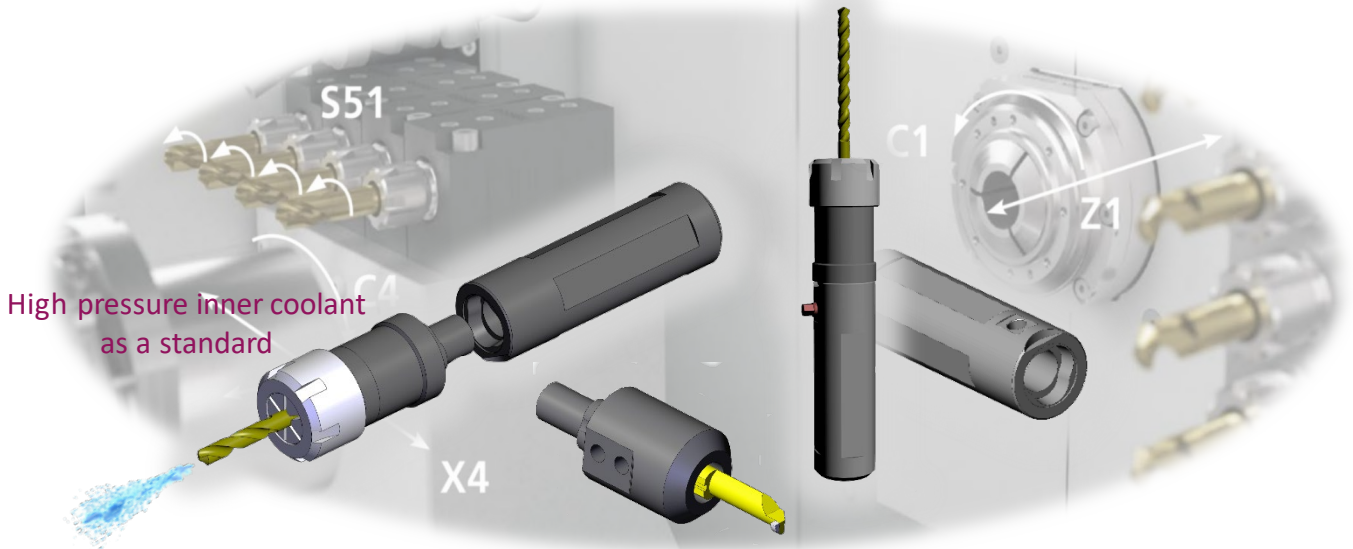
- **13%** - service and maintenance.
- **17%** - Insert change-out and tool change-out.
- **18%** - measuring of the tool and workpiece.
- **16%** - workpiece change-out.

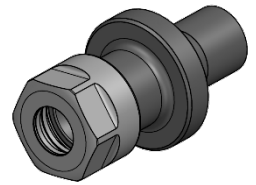
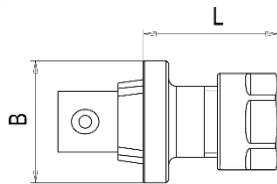
Modular tooling offers a productivity increase by 25%



Round holders

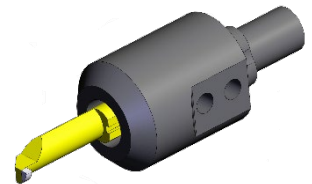
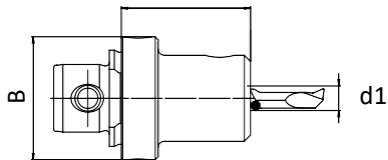
Reference	B	D	L	Coolant (M)	Referent Chuck	Referent Collet Chuck	Screw	Order Code
NXR20.090	20	24	90	M8x1 M10x1 G1/8"	NXA micro boring tools heads	NXER ER11 and ER16 collets heads	T6	NX1016
NXR22.090	22	24	90	M8x1 M10x1 G1/8"	NXA micro boring tools heads	NXA20.E11.020 NXA20.E16.020	T6	NX1017
NXR25.090	25	24	90	M8x1 M10x1 G1/8"	NXA micro boring tools heads	NXER ER11 and ER16 collets heads	T6	NX1018





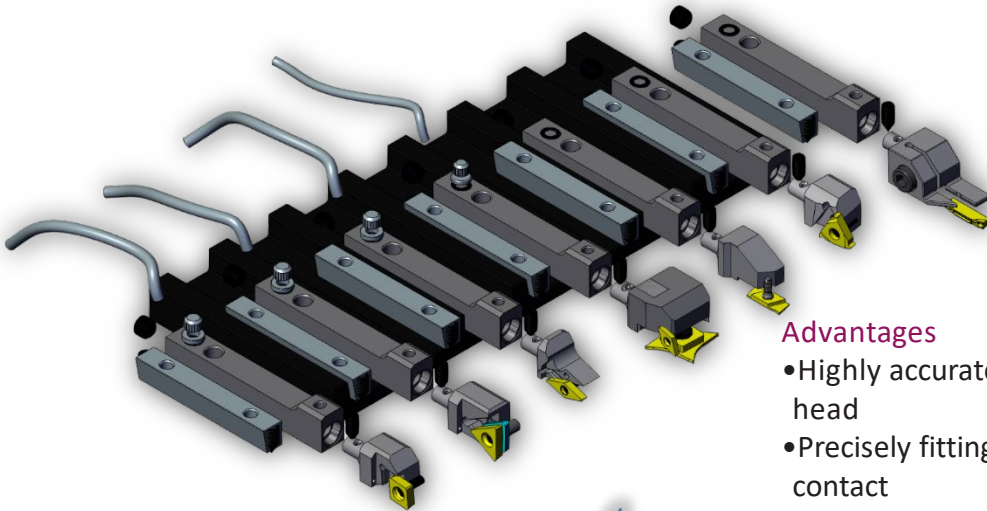
Collet chuck ER

Reference	B	L			Collet Type	Referent Holder Type	Screw	Order Code
NXER.E11	24	24			ER11	NXR		NX1018
NXER.E16	24	35			ER16	NXR		NX1019



Boring bar holder NXA

Reference	B		d1		Boring Bar Shank Diameter	Referent Holder Type	Screw	Order Code
NXA.D04	24		4mm		4mm	NXR	ST5	1029
NXA.D05	24		5mm		5mm	NXR	ST5	1030
NXA.D06	24		6mm		6mm	NXR	ST5	1031
NXA.D07	24		7mm		7mm	NXR	ST5	1030
NXA.D08	24		8mm		8mm	NXR	ST5	1031
NXA.D10	24		10mm		10mm	NXR	ST5	1030



12 x 12 mm
16 x 16 mm

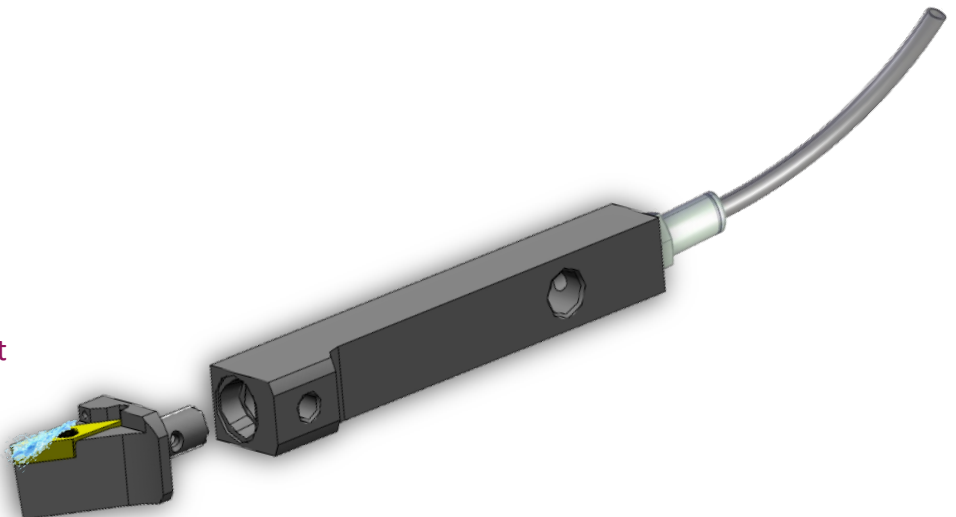
Advantages

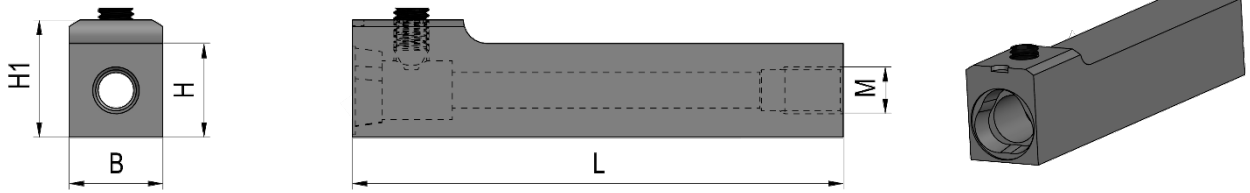
- Highly accurate positioning of the replaceable head
- Precisely fitting, rigid interface with face contact
- high repeatability
- Center height is guaranteed
- Internal cooling is standard
- Presettable outside the machine
- Easy handling (only one clamping screw)

**Changing
just in 30
second**

Quick change, without having to remove the tool-holder from the gang. **Presetting** is possible outside of the machine.

High pressure inner coolant
as a standard



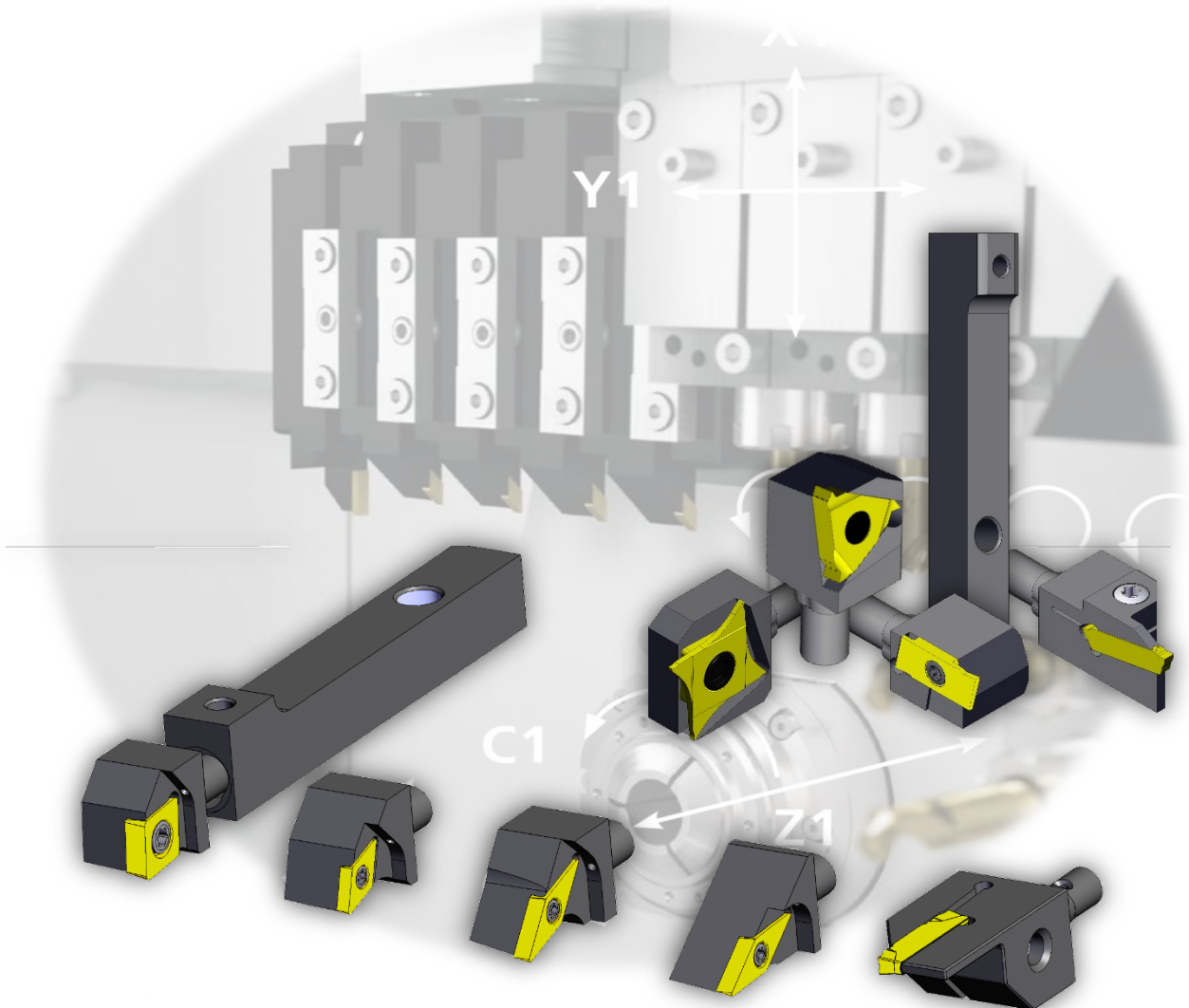


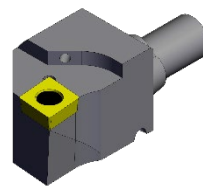
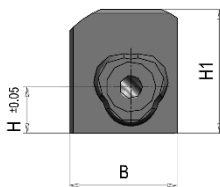
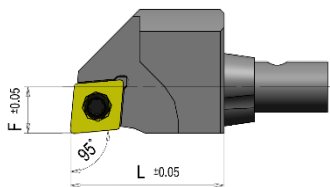
Square holders, universal for all type of heads, sizes 12x12 and 16x16



With internal coolant

Reference	B	H	H1	L	Coolant	Head Type	Spare Parts	Wrench	Order Code
NX1212.F08	12	12	16	80	M8x1	SQ12	NXTP5	TP6	NX1000
NX1616.F08	16	16	20	80	M8x1	SQ16	NXTP6	TP7	NX1001





Modular head SCLC 95° for holder size 12x12

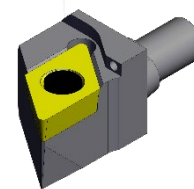
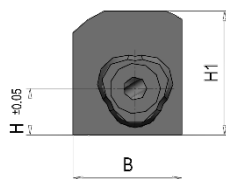
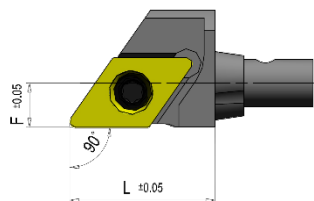
With internal coolant



Reference	B	H1	F	L	L/R	Insert size	Screw	Order Code
NX12-K-SCLCL-06	14	16	6	25	L	CC .. 06 02 ..	S10	NX1002
NX12-K-SCLCR-06	14	16	6	25	R	CC .. 06 02 ..	S10	NX1003
NX12-K-SCLCL-09	14	16	6	25	L	CC .. 09 T3 ..	S05	NX1004
NX12-K-SCLCR-09	14	16	6	25	R	CC .. 09 T3 ..	S05	NX1005

CC .. 80° rhombic positive inserts with 7° clearance.

Finishing	Finishing	Finishing	Finishing	Finishing	Finishing wiper	Medium to Finishing
Flat	NFP	NBO	NFM	NFK	NFW	NLM
 (06-09)	 (06-09)	 (06-09)	 (06-09)	 (06-09)	 (06-09)	 (06-09)
Medium	Medium	Medium	Medium to Finishing wiper	Finishing to Fine finishing	Medium to Finishing	
NMP	NMM	NMK	NMW	NFS	NLN	
 (06-09)	 (06-09)	 (06-09)	 (06-09)	 (06-09)	 (06-09)	

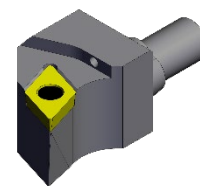
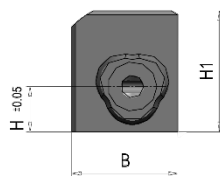
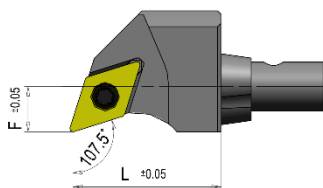


Modular head SDJC 93°

With internal coolant



Reference	B	H1	F	L	L/R	Insert size	Screw	Order Code
NX12-K-SDJCL-07	14	16	6	25	L	DC .. 07 02 ..	S10	NX1006
NX12-K-SDJCR-07	14	16	6	25	R	DC .. 07 02 ..	S10	NX1007
NX12-K-SDJCL-11	14	16	6	25	L	DC .. 11 T3 ..	S05	NX1008
NX12-K-SDJCR-11	14	16	6	25	R	DC .. 11 T3 ..	S05	NX1009



Modular head SDHCR 107.5° for holder size 12x12

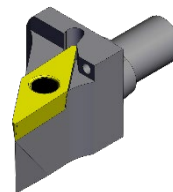
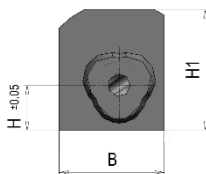
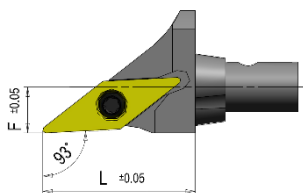
With internal coolant



Reference	B	H1	F	L	L/R	Insert size	Screw	Order Code
NX12-K-SDHCR-07	14	16	6	25	L	DC .. 07 02 ..	S10	NX1010
NX12-K-SDHCL-07	14	16	6	25	R	DC .. 07 02 ..	S10	NX1011
NX12-K-SDJCL-11	14	16	6	25	L	DC .. 11 T3 ..	S05	NX1012
NX12-K-SDJCL-11	14	16	6	25	R	DC .. 11 T3 ..	S05	NX1013

DC .. 80° rhombic positive inserts with 7° clearance

Finishing	Finishing	Finishing	Finishing	Finishing wiper	Medium to Finishing
Flat	NFP	NFM	NFK	NFW	NLM
(07-11)	(07-11)	(07-11)	(07-11)	(07-11)	(07-11)
Medium	Medium	Medium	Medium wiper	Finishing to fine finishing	Finishing to fine finishing
NMP	NMM	NMK	NMW	NFS	NLN
(07-11)	(07-11)	(07-11)	(11)	(07-11)	(07-11)

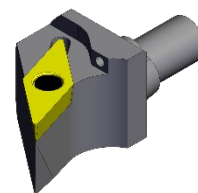
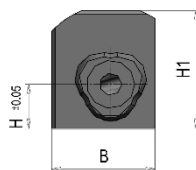
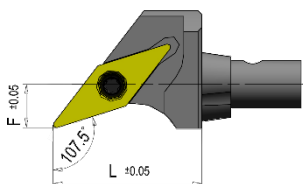


Modular head SVJC 93° for holder size 12x12

With internal coolant



Reference	B	H1	F	L	L/R	Insert size	Screw	Order Code
NX12-K-SVJCL-11	14	16	6	25	L	VC .. 11 03 ..	S05	NX1014
NX12-K-SVJCR-11	14	16	6	25	R	VC .. 11 03 ..	S05	NX1015



Modular head SVPC 117.5° for holder size 12x12

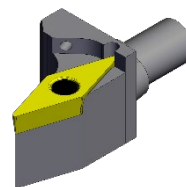
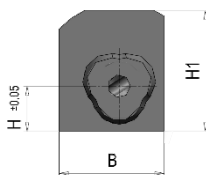
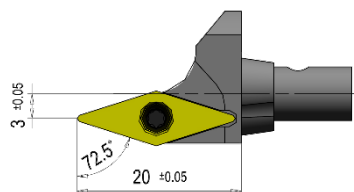
With internal coolant



Reference	B	H1	F	L	L/R	Insert size	Screw	Order Code
NX12-K-SVPCL-11	14	16	6	25	L	VC .. 11 03 ..	S05	NX1016
NX12-K-SVPCR-11	14	16	6	25	R	VC .. 11 03 ..	S05	NX1017

VC .. 80° rhombic positive inserts with 7° clearance.

Finishing	Finishing	Finishing	Finishing
Flat	NFP	NFM	NFK
Medium	Medium	Medium	Medium to Finishing
NMP	NMM	NMK	NLN



Modular head SVVCN 72.5° for holder size 12x12

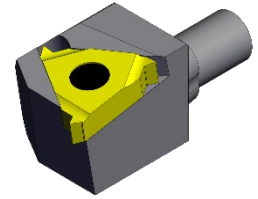
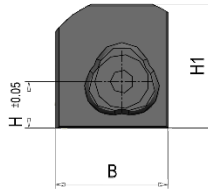
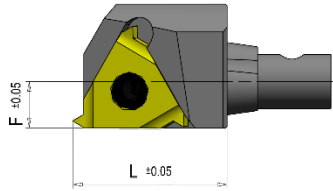
With internal coolant



Reference	B	H1	F	L	L/R	Insert size	Screw	Order Code
NX12-K-SVVCN-11	14	16	6	25	L	VC .. 11 03 ..	S05	NX1018
NX12-K-SVVCN-11	14	16	6	25	R	VC .. 11 03 ..	S05	NX1019

VC .. 80° rhombic positive inserts with 7° clearance.

Finishing	Finishing	Finishing	Finishing
Flat	NFP	NFM	NFK
			
(11)	(11)	(11)	(11)
Medium	Medium	Medium	Medium to Finishing
NMP	NMM	NMK	NLN
			
(11)	(11)	(11)	(11)



Modular head SER 16 for holder size 12x12

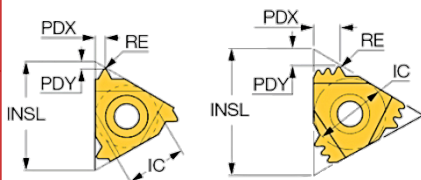
With internal coolant, for threading inserts 16ER

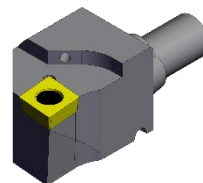
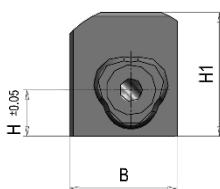
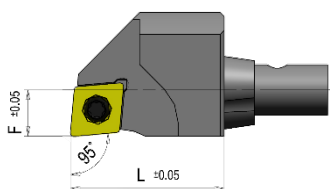


Reference	B	H1	F	L	L/R	Insert size	Screw	Order Code
NX12-K-SER-F16	14	16	6	25	L	16 ER . .	S05	NX1020
NX12-K-SEL-F16	14	16	6	25	R	16 EL. .	S05	NX1021

ER16 ..Thread inserts

For all types external thread inserts. RH/LH





Modular head SCLC 95° for holder size 16x16

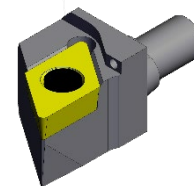
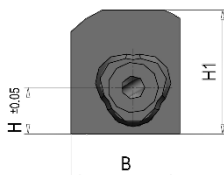
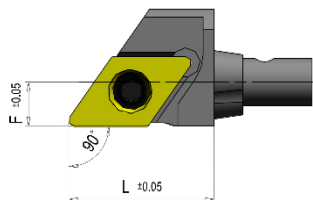
With internal coolant



Reference	B	H1	F	L	L/R	Insert size	Screw	Order Code
NX16-K-SCLCL-06	18	20	8	25	L	CC .. 06 02 ..	S10	NX1002
NX16-K-SCLCR-06	18	20	8	25	R	CC .. 06 02 ..	S10	NX1003
NX16-K-SCLCL-09	18	20	8	25	L	CC .. 09 T3 ..	S05	NX1004
NX16-K-SCLCR-09	18	20	8	25	R	CC .. 09 T3 ..	S05	NX1005

CC .. 80° rhombic positive inserts with 7° clearance.

Finishing	Finishing	Finishing	Finishing	Finishing	Finishing wiper	Medium to Finishing
Flat	NFP	NBO	NFM	NFK	NFW	NLM
 (06-09)	 (06-09)	 (06-09)	 (06-09)	 (06-09)	 (06-09)	 (06-09)
Medium	Medium	Medium	Medium to Finishing wiper	Finishing to Fine finishing	Medium to Finishing	
NMP	NMM	NMK	NMW	NFS	NLN	
 (06-09)	 (06-09)	 (06-09)	 (06-09)	 (06-09)	 (06-09)	

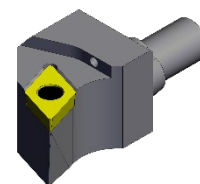
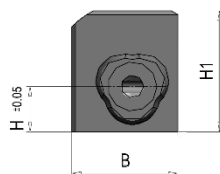
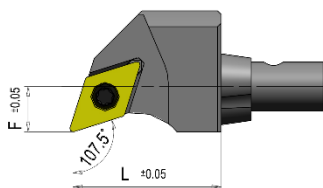


Modular head SDJC 93° for holder size 16x16

With internal coolant



Reference	B	H1	F	L	L/R	Insert size	Screw	Order Code
NX16-K-SDJCL-07	18	20	8	25	L	DC .. 07 02 ..	S10	NX1006
NX16-K-SDJCR-07	18	20	8	25	R	DC .. 07 02 ..	S10	NX1007
NX16-K-SDJCL-11	18	20	8	25	L	DC .. 11 T3 ..	S05	NX1008
NX16-K-SDJCR-11	18	20	8	25	R	DC .. 11 T3 ..	S05	NX1009



Modular head SDHCR 107.5° for holder size 16x16

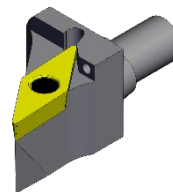
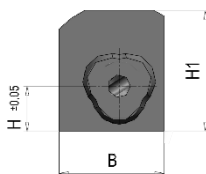
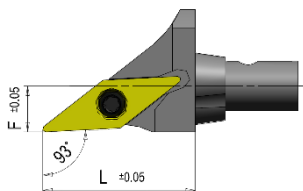
With internal coolant



Reference	B	H1	F	L	L/R	Insert size	Screw	Order Code
NX16-K-SDHCR-07	18	20	8	25	L	DC .. 07 02 ..	S10	NX1010
NX16-K-SDHCL-07	18	20	8	25	R	DC .. 07 02 ..	S10	NX1011
NX16-K-SDJCL-11	18	20	8	25	L	DC .. 11 T3 ..	S05	NX1012
NX16-K-SDJCL-11	18	20	8	25	R	DC .. 11 T3 ..	S05	NX1013

DC .. 80° rhombic positive inserts with 7° clearance

Finishing	Finishing	Finishing	Finishing	Finishing wiper	Medium to Finishing
Flat	NFP	NFM	NFK	NFW	NLM
(07-11)	(07-11)	(07-11)	(07-11)	(07-11)	(07-11)
Medium	Medium	Medium	Medium wiper	Finishing to fine finishing	Finishing to fine finishing
NMP	NMM	NMK	NMW	NFS	NLN
(07-11)	(07-11)	(07-11)	(11)	(07-11)	(07-11)

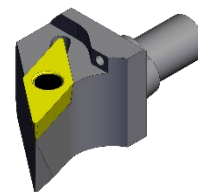
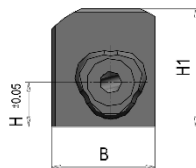
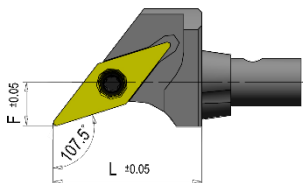


Modular head SVJC 93° for holder size 16x16

With internal coolant



Reference	B	H1	F	L	L/R	Insert size	Screw	Order Code
NX3. 12-K-SVJCL-11	18	20	8	25	L	VC .. 11 03 ..	S05	NX1014
NX3. 12-K-SVJCR-11	18	20	8	25	R	VC .. 11 03 ..	S05	NX1015



Modular head SVPC 117.5° for holder size 16x16

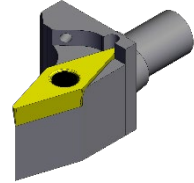
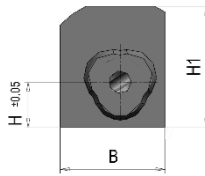
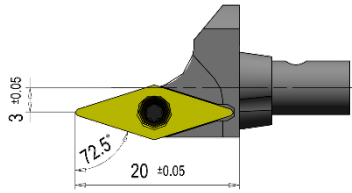
With internal coolant



Reference	B	H1	F	L	L/R	Insert size	Screw	Order Code
NX16-K-SVPCL-11	18	20	8	25	L	VC .. 11 03 ..	S05	NX1016
NX16-K-SVPCR-11	18	20	8	25	R	VC .. 11 03 ..	S05	NX1017

VC .. 80° rhombic positive inserts with 7° clearance.

Finishing	Finishing	Finishing	Finishing
Flat	NFP	NFM	NFK
(11)	(11)	(11)	(11)
Medium	Medium	Medium	Medium to Finishing
NMP	NMM	NMK	NLN
(11)	(11)	(11)	(11)



Turning head SVJC 93° for holder size 16x16

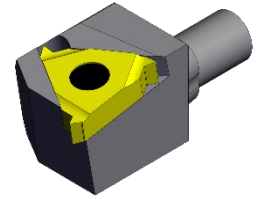
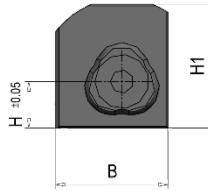
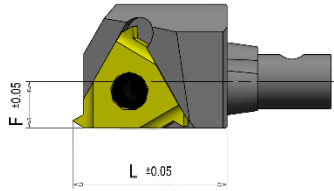
With internal coolant.



Reference	B	H	f	L	L/R	Insert size	Screw	Order Code
NX16-K-SVJCL-11	18	20	8	20	L	VC .. 11 03 ..	S05	NX1018
NX16-K-SVJCR-11	18	20	8	20	R	VC .. 11 03 ..	S05	NX1019

VC .. 80° rhombic positive inserts with 7° clearance.

Finishing	Finishing	Finishing	Finishing
Flat	NFP	NFM	NFK
Medium	Medium	Medium	Medium to Finishing
NMP	NMM	NMK	NLN



Modular head SER16, for holder size 16x16

With internal coolant, for threading inserts 16 ER

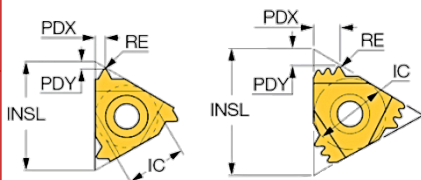


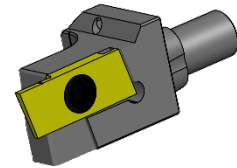
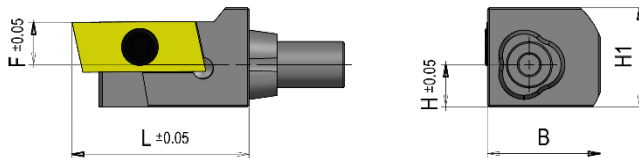
Reference	B	H1	F	L	L/R	Insert size	Screw	Order Code
NX16-K-SER-F16	18	20	8	25	L	16 ER . .	S05	NX1020
NX16-K-SEL-F16	18	20	8	25	R	16 EL. .	S05	NX1021



ER16 ..Thread inserts

For all types external thread inserts. RH/LH



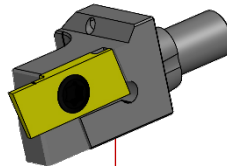


Modular NXS HEAD for holder size 12x12 and 16x16

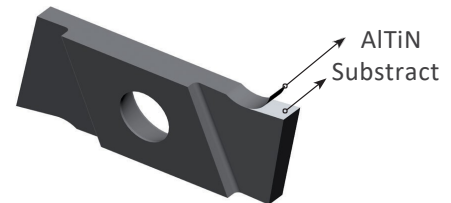
With internal coolant. For inserts type NXGS, NXP, NXPT, NXGR and NXTP only!



Reference	B	H1	F	L	L/R	Screw	Order code
NXS12.L	14	16	6	25	L	ER11	E11
NXS12.R	14	16	6	25	R	ER16	E17
NXS16.L	18	20	8	25	L	ER25	E25
NXS16.R	18	20	8	25	R	ER32	E32



Select the toolholder and the insert. All inserts fit into the same toolholder.



main applications



Grooving



Partingoff



Threading



Turning

NX9720

P10-P35

M10-M25

K15-K30

S10-S30

main features

NEXTTOOLS inserts are specially developed to suit the cutting conditions and swiss automatic lathes. Our inserts are made of micro grain carbide which results in maximum strength when considering hardness and wear resistance. All cutting edges are fully ground and exceptionally sharp. Furthermore, we have applied our latest PVD coating on these specific cutting geometries, to achieve an excellent tool life with Nexxtools inserts.

Grooving Inserts

1	2	5	6	8
NXS	25	G	050	R

-

11
GS

Parting Off Inserts

1	3	5	6	8	9
NXS	11	P	100	R	N

-

11
P07

Threading Inserts

1	4	5	7	8	10
NXS	100	H	010	R	60

-

11
PT

Turning Inserts

1	2	5	6	8
NXS	60	T	300	R

-

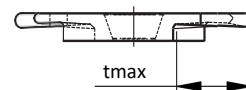
11
TP

1 - Product line

NXS - NexxTools Swiss Line

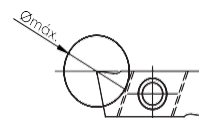
2 - Maximum depth of cut (Turning and Grooving inserts)

25 - 2,5mm | 60 - 6,0mm



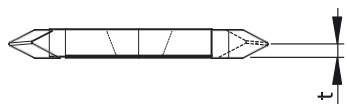
3 - Maximum Cutting Diameter (Parting Off Inserts)

11 - 11,0mm | 13 - 13,0mm



4 - Center distance (Threading Inserts)

050 - 0,5mm | 100 - 1,00mm



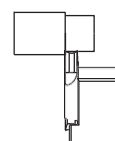
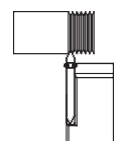
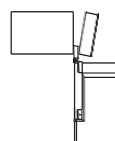
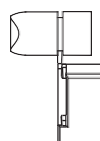
5 - Operations type

G - Grooving

P - Parting off

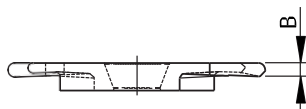
H - Threading

T - Turning



6 - Cut thickness (Grooving, Parting Off and Turning Inserts)

050 - 0,50mm | 070 - 0,70mm | 080 - 0,80mm
090 - 0,90mm | 100 - 1,00mm | 110 - 1,10mm
130 - 1,30mm | 150 - 1,50mm | 160 - 1,60mm
185 - 1,85mm | 200 - 2,00 mm | 300 - 3,00 mm



7 - Corner radius (Threading Inserts)

005 - 0,05mm | 010 - 0,10mm
012 - 0,12mm



8- Insert / toolholder side

L - Left hand

R - Right hand

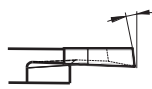


9 - Front angle (Parting off)

N - Neutral

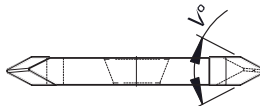
R - Right

L - Left



10 - Angle (Threading Inserts)

55 - 55° | 60 - 60°



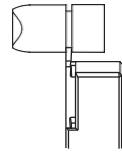
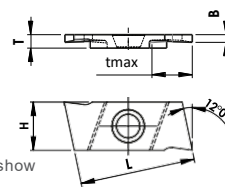
11 - Chip Breaker (Turning, Grooving, Parting Off and Threading Inserts)

Turning TP - Turning steel

Grooving GS - Square Grooving GR - Round Grooving

Parting Off P00 - Front angle 0° P07 - Front angle 7°

Threading PT - Partial Profile



NXGS series

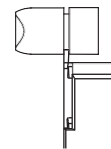
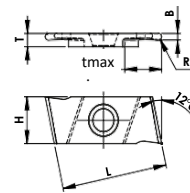
inserts for square grooving

Right hand style show

Grooving

GRADE CODE		P	M		K		S		DIMENSIONS (mm)							Cutting conditions			Geometry code	
		PVD																		
		G1	G4	G4	P8	G4	P8	G4	P8											
		NX9710	NX9720	NX9720	NX1735	NX9720	NX1735	NX9720	NX1735											
		B	L	T	H	tmax	V°	Ømax	fn(mm/rpm)	Min.	Max.									
NXS25G050R-GS		○	●	●	○	●	○	●	○	0.50	17.00	2.00	7.00	2.50	-	-	0.04	0.02	0.06	NX1022
NXS25G070R-GS		○	●	●	○	●	○	●	○	0.70	17.00	2.00	7.00	2.50	-	-	0.05	0.02	0.08	NX1023
NXS25G080R-GS		○	●	●	○	●	○	●	○	0.80	17.00	2.00	7.00	2.50	-	-	0.05	0.02	0.09	NX1024
NXS25G090R-GS		○	●	●	○	●	○	●	○	0.90	17.00	2.00	7.00	2.50	-	-	0.06	0.02	0.10	NX1025
NXS60G110R-GS		○	●	●	○	●	○	●	○	1.00	17.00	2.00	7.00	6.00	-	-	0.06	0.02	0.11	NX1026
NXS60G130R-GS		○	●	●	○	●	○	●	○	1.30	17.00	2.00	7.00	6.00	-	-	0.07	0.02	0.12	NX1027
NXS60G160R-GS		○	●	●	○	●	○	●	○	1.60	17.00	2.00	7.00	6.00	-	-	0.07	0.02	0.13	NX1028
NXS60G185R-GS		○	●	●	○	●	○	●	○	1.85	17.00	2.00	7.00	6.00	-	-	0.08	0.02	0.14	NX1029
NXS25G050L-GS		○	●	●	○	●	○	●	○	0.50	17.00	2.00	7.00	2.50	-	-	0.04	0.02	0.06	NX1030
NXS25G070L-GS		○	●	●	○	●	○	●	○	0.70	17.00	2.00	7.00	2.50	-	-	0.05	0.02	0.08	NX1031
NXS25G080L-GS		○	●	●	○	●	○	●	○	0.80	17.00	2.00	7.00	2.50	-	-	0.05	0.02	0.09	NX1032
NXS25G090L-GS		○	●	●	○	●	○	●	○	0.90	17.00	2.00	7.00	2.50	-	-	0.06	0.02	0.10	NX1033
NXS60G110L-GS		○	●	●	○	●	○	●	○	1.10	17.00	2.00	7.00	6.00	-	-	0.06	0.02	0.11	NX1034
NXS60G130L-GS		○	●	●	○	●	○	●	○	1.30	17.00	2.00	7.00	6.00	-	-	0.07	0.02	0.12	NX1035
NXS60G160L-GS		○	●	●	○	●	○	●	○	1.60	17.00	2.00	7.00	6.00	-	-	0.07	0.02	0.13	NX1036
NXS60G185L-GS		○	●	●	○	●	○	●	○	1.85	17.00	2.00	7.00	6.00	-	-	0.08	0.02	0.14	NX1037

● Stock item ○ Available under request with delivery time 2 weeks



NXGR series

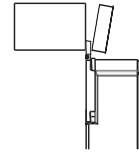
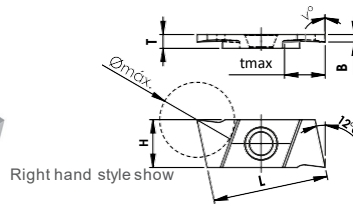
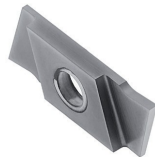
Inserts for round grooving

Right hand style show

Grooving

GRADE CODE	P	M	K	S	DIMENSIONS (mm)								Cutting conditions			Geometry code			
	PVD																		
	G1	G4	G4	P8	G4	P8	G4	P8											
	NX9710	NX9720	NX9720	NX1735	NX9720	NX1735	NX9720	NX1735											
	B	L	T	H	tmax	V°	Ømax	fn(mm/n)	Min.	Max.									
NXS60G100R-GR	O	●	●	O	●	O	●	O	1.00	17.00	2.00	7.00	6.00	-	-	0.06	0.02	0.10	NX1038
NXS60G150R-GR	O	●	●	O	●	O	●	O	1.50	17.00	2.00	7.00	6.00	-	-	0.08	0.02	0.12	NX1039
NXS60G200R-GR	O	●	●	O	●	O	●	O	2.00	17.00	2.00	7.00	6.00	-	-	0.08	0.03	0.14	NX1040
NXS60G100L-GR	O	●	●	O	●	O	●	O	1.00	17.00	2.00	7.00	6.00	-	-	0.06	0.02	0.10	NX1041
NXS60G150L-GR	O	●	●	O	●	O	●	O	1.50	17.00	2.00	7.00	6.00	-	-	0.08	0.02	0.12	NX1042
NXS60G200L-GR	O	●	●	O	●	O	●	O	2.00	17.00	2.00	7.00	6.00	-	-	0.08	0.03	0.14	NX1043

● Stock item ○ Available under request with delivery time 2 weeks



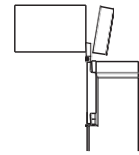
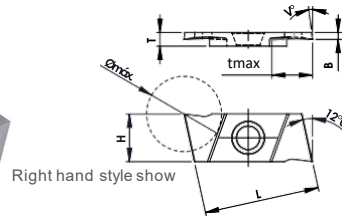
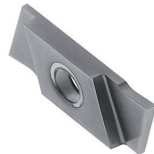
NXP(P00) series

Inserts without front angle

Parting off

GRADE CODE	P	M	K	S	DIMENSIONS (mm)										Cutting conditions			Geometry code	
	PVD																		
	G1	G4	G4	P8	G4	P8	G4	P8	B	L	T	H	tmax	V°	Ømax	fn(mm/n)	Min.		Max.
	NX9710	NX9720	NX9720	NX1735	NX9720	NX1735	NX9720	NX1735											
NXS11P100RN-P00	○	●	●	○	●	○	●	○	1.00	17.00	2.00	7.00	6.00	0	11.00	0.06	0.02	0.10	NX1044
NXS11P150RN-P00	○	●	●	○	●	○	●	○	1.50	17.00	2.00	7.00	6.00	0	11.00	0.08	0.02	0.12	NX1045
NXS13P200RN-P00	○	●	●	○	●	○	●	○	2.00	17.00	2.00	7.00	6.00	0	13.00	0.08	0.03	0.14	NX1046
NXS11P100LN-P00	○	●	●	○	●	○	●	○	1.00	17.00	2.00	7.00	6.00	0	11.00	0.06	0.03	0.10	NX1047
NXS11P150LN-P00	○	●	●	○	●	○	●	○	1.50	17.00	2.00	7.00	6.00	0	11.00	0.08	0.02	0.12	NX1048
NXS13P200LN-P00	○	●	●	○	●	○	●	○	2.00	17.00	2.00	7.00	6.00	0	13.00	0.08	0.03	0.14	NX1049

● Stock item ○ Available under request with delivery time 2 weeks



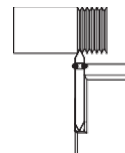
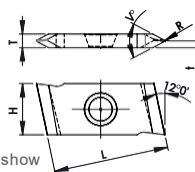
NXP(P07) series

Inserts with front angle 7°

Parting off

GRADE CODE	P		M		K		S		DIMENSIONS (mm)							Cutting conditions			Geometry code
	PVD																		
	G1	G4	G4	P8	G4	P8	G4	P8											
	NX9710	NX9720	NX9720	NX1735	NX9720	NX1735	NX9720	NX1735											
	B	L	T	H	tmax	V°	Ømax	fn(mm/n)	Min.	Max.									
NXS11P100RR-P07	○	●	●	○	●	○	●	○	1.00	17.00	2.00	7.00	6.00	7	11.00	0.05	0.02	0.08	NX1050
NXS11P100RL-P07	○	●	●	○	●	○	●	○	1.00	17.00	2.00	7.00	6.00	7	11.00	0.05	0.02	0.08	NX1051
NXS11P150RR-P07	○	●	●	○	●	○	●	○	1.50	17.00	2.00	7.00	6.00	7	11.00	0.06	0.02	0.10	NX1052
NXS11P150RL-P07	○	●	●	○	●	○	●	○	1.50	17.00	2.00	7.00	6.00	7	11.00	0.06	0.02	0.10	NX1053
NXS13P200RR-P07	○	●	●	○	●	○	●	○	2.00	17.00	2.00	7.00	6.00	7	11.00	0.06	0.03	0.12	NX1054
NXS13P200RL-P07	○	●	●	○	●	○	●	○	2.00	17.00	2.00	7.00	6.00	7	11.00	0.06	0.03	0.12	NX1055
NXS11P100LR-P07	○	●	●	○	●	○	●	○	1.00	17.00	2.00	7.00	6.00	7	11.00	0.05	0.02	0.08	NX1056
NXS11P100LL-P07	○	●	●	○	●	○	●	○	1.00	17.00	2.00	7.00	6.00	7	11.00	0.05	0.02	0.08	NX1057
NXS11P150LR-P07	○	●	●	○	●	○	●	○	1.50	17.00	2.00	7.00	6.00	7	11.00	0.06	0.02	0.10	NX1058
NXS11P150LL-P07	○	●	●	○	●	○	●	○	1.50	17.00	2.00	7.00	6.00	7	11.00	0.06	0.02	0.10	NX1059
NXS13P200LR-P07	○	●	●	○	●	○	●	○	2.00	17.00	2.00	7.00	6.00	7	11.00	0.06	0.03	0.12	NX1060
NXS13P200LL-P07	○	●	●	○	●	○	●	○	2.00	17.00	2.00	7.00	6.00	7	11.00	0.06	0.03	0.12	NX1061

● Stock item ○ Available under request with delivery time 2 weeks



NXPT series

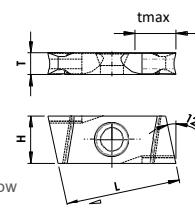
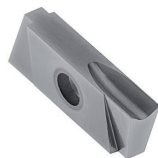
Inserts for threading partial profile

Right hand style show

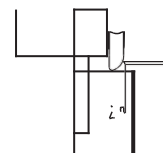
Threading

GRADE CODE	P	M	K	S	DIMENSIONS (mm)								Cutting conditions			Geometry code				
	PVD																			
	G1	G4	G4	P8													G4	P8	G4	P8
	NX9710	NX9720	NX9720	NX1735	NX9720	NX1735	NX9720	NX1735												
	B	L	T	H	tmax	V°	Ømax	fn(mm/n)	Min.	Max.										
NXS100H012R55-PT	O	●	●	O	●	O	●	O	1.00	17.00	2.00	7.00	0.12	55.00	-	0.80	0.20	2.00	NX1062	
NXS100H012R60-PT	O	●	●	O	●	O	●	O	1.00	17.00	2.00	7.00	0.12	60.00	-	0.80	0.20	2.00	NX1063	
NXS100H012L55-PT	O	●	●	O	●	O	●	O	1.00	17.00	2.00	7.00	0.12	55.00	-	0.80	0.20	2.00	NX1064	
NXS100H012L60-PT	O	●	●	O	●	O	●	O	1.00	17.00	2.00	7.00	0.12	60.00	-	0.80	0.20	2.00	NX1065	

● Stock item ○ Available under request with delivery time 2 weeks



Right hand style show



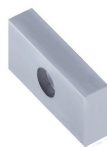
NXTP series

For turning

Turning

GRADE CODE	P	M	K	S	DIMENSIONS (mm)								Cutting conditions			Geometry code			
	PVD																		
	G1	G4	G4	P8	G4	P8	G4	P8											
	NX9710	NX9720	NX9720	NX1735	NX9720	NX1735	NX9720	NX1735											
	B	L	T	H	tmax	V°	Ømax	fn(mm/n)	Min.	Max.									
NXS60T300R-TP	O	●	●	O	●	O	●	O	-	17.00	3.17	7.00	6.00	-	-	0.08	0.02	0.12	NX1066
NXS60T300L-TP	O	●	●	O	●	O	●	O	-	17.00	3.17	7.00	6.00	-	-	0.08	0.02	2.00	NX1067

● Stock item ○ Available under request with delivery time 2 weeks



BLANKS

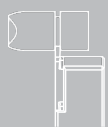
for grinding

Inserts blanks "do it yourself" grinding are available allowing modifications of the insert for any machining operation.

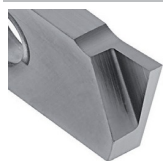
GRADE CODE	UNCOATED			DIMENSIONS (mm)							Geometry code
	10	12	14								
	NX9010	NX9020	NX1035								
	B	L	T	H	tmax	V°	Ømax				
BLANK NXSR 17x7x2	●	●	●	-	17.50	2.00	7.50	-	-	-	NX1068
BLANK NXSR 17x7x3,17	●	●	●	-	17.50	3.17	7.50	-	-	-	NX1069
BLANK NXSL 17x7x2	●	●	●	-	17.50	2.00	7.50	-	-	-	NX1070
BLANK NXSL 17x7x3,17	●	●	●	-	17.50	3.17	7.50	-	-	-	NX1071

● Stock item ○ Available under request with delivery time 2 weeks

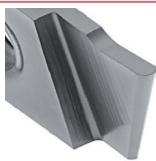
Grooving



- High precision
- Close tolerances
- Wide variety of insert widths



NXGS
Square
grooving



NXGR
Round
grooving

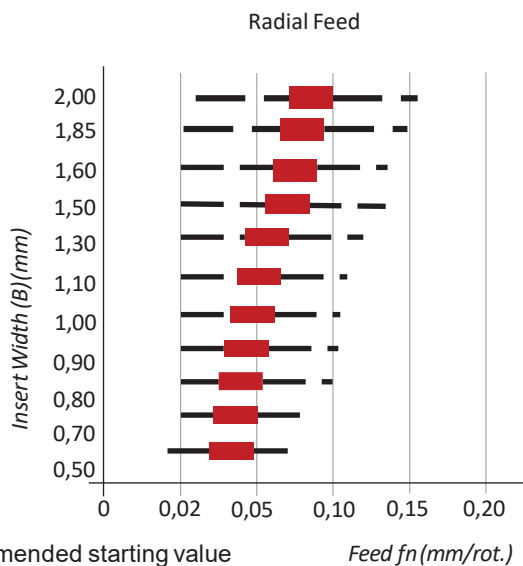
Recommended cutting conditions

P	M	K	S
60-200	60-180	60-150	20-50

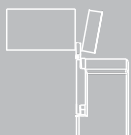
Recommended grade NX9720, (Vc) m/min.

Grade NX9710 and NX1735

Available under request (2 weeks delivery time)



Parting off



- When parting off with a sub-spindle, it is more productive to use a straight cutting edge. This is a more stable parting method and will generate the best surface finish.
- When parting off without a sub-spindle, we recommend you use an insert with a maximum 7° front angle to minimize the risk of burr and pips on the component.
- When parting off with 7° front angled inserts, we recommend reducing the feed rate by approximately 30%.



NXP00
0° Relief
angle



NXP07
7° Relief
angle

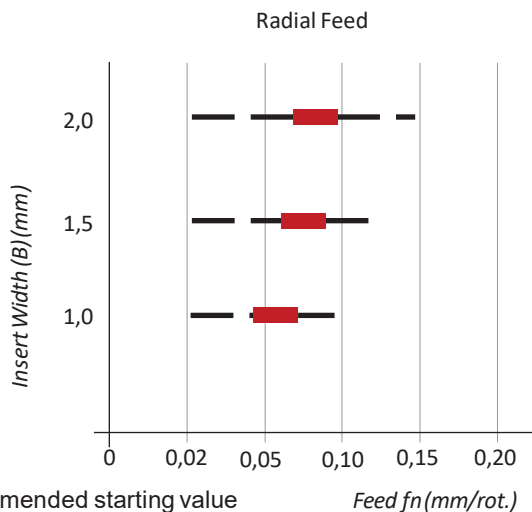
Recommended cutting conditions

P	M	K	S
60-200	60-180	60-150	20-50

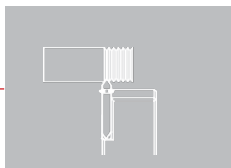
Recommended grade NX9720, (Vc) m/min.

Grade NX9710 and NX1735

Available under request (2 weeks delivery time)



Threading



Two types of threading:

- Partial profile 55 °
- Partial profile 60 °



NXPT
Partial profile

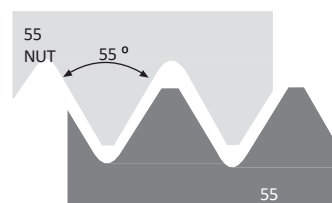
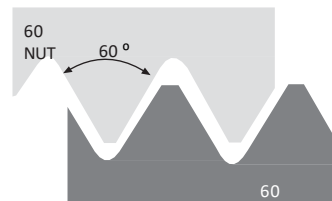
Recommended cutting conditions

P	M	K	S
60-200	60-180	60-150	20-50

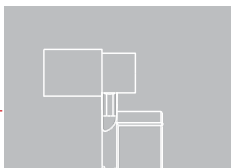
Recommended grade NX9720, (Vc) m/min.

Grade NX9710 and NX1735

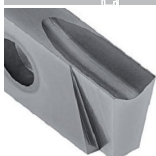
Available under request (2 weeks delivery time)



Turning



- Insert for turning
- Maximum deep of cut is 3,00 mm
- Too low cutting speed will result in inadequate tool life and it is advisable to follow cutting speed recommendations.



NXTP
Turning steel

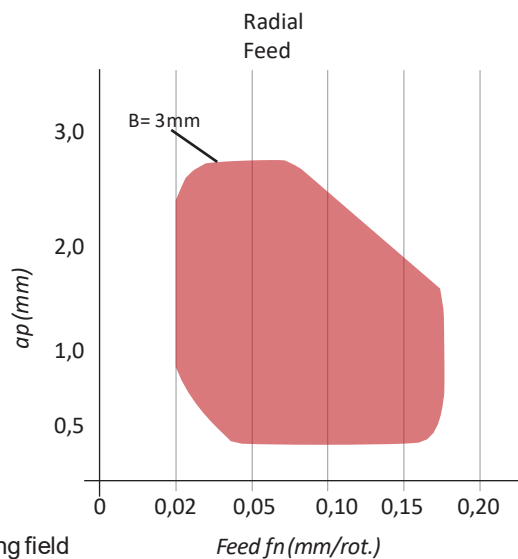
Recommended cutting conditions

P	M	K	S
60-200	60-180	60-150	20-50

Recommended grade NX9720, (Vc) m/min.

Grade NX9710 and NX1735

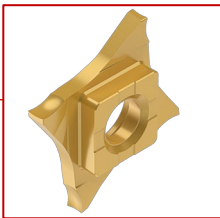
Available under request (2 weeks delivery time)



NXQ series - Main features

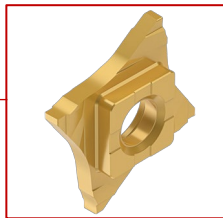
NexxTools inserts are specially developed to suit the cutting conditions and swiss automatic lathes. Our inserts are made of micrograin carbide which results in maximum strength when considering hardness and wear resistance. All cutting edges are fully ground and exceptionally sharp. Furthermore, we have applied our latest PVD coating on these specific cutting geometries, to achieve an excellent tool life with NexxTools inserts.

Cutting inserts



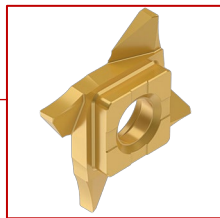
NXQ16 R/L...N...

Cutting inserts



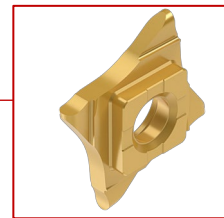
NXQ16 R/L...N/R/L...V

Precision cutting inserts



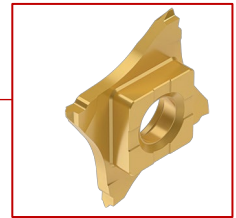
NXQ16 R/L...N...

Full radius inserts



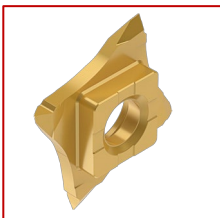
NXQ16 R/L...N...

Threading inserts



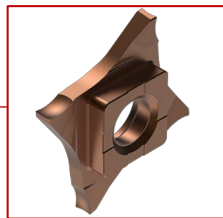
NXQ16 R/L...EL

Part profile threading inserts



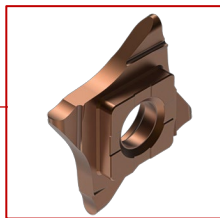
NXQ16 R/L...ER

Inserts for hard material machining



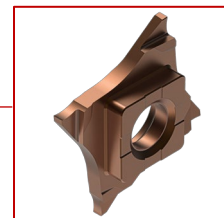
NXQ16 R/L...N00

Full radius inserts hard material machining



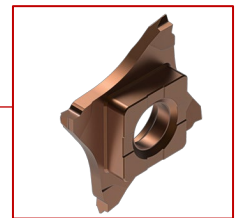
NXQ16 R/L...R..N

Precision inserts hard material machining

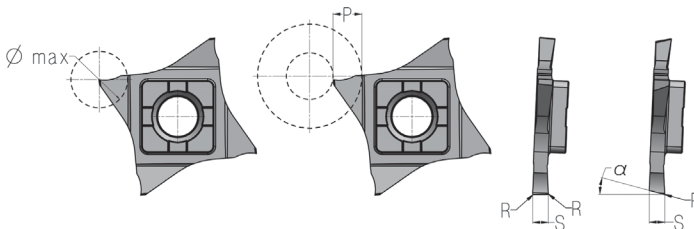


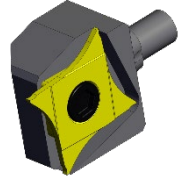
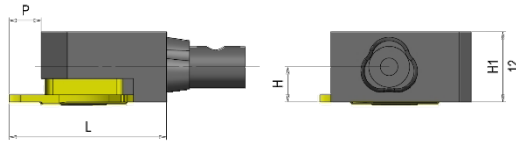
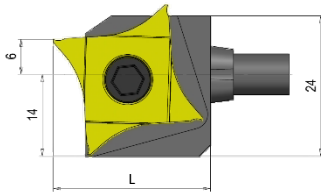
NXQ16 R/L...N...

Threading inserts hard material machining



NXQ16 R...ER





Modular NXQ HEAD for holder size 12x12 and 16x16

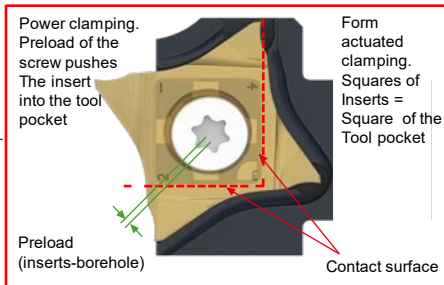
With internal coolant. For NXQ inserts only !



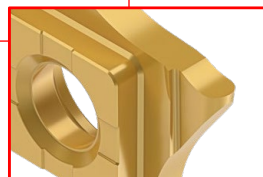
Reference	B	H1	F	L	L/R	H	P	Order Code
NXQ.12.R.D6.5	24	12	6	25	L	6	6.5	NX1020
NXQ.12.L.D6.5	24	12	6	25	R	6	6.5	NX1021
NXQ.16.R.D6.5	24	12	6	25	L	6	6.5	
NXQ.16.L.D6.5	24	12	6	25	R	6	6.5	

Vertical positioned inserts are well known. However, the segmented NXQ inserts represent the new state of art technology. This improved development features a lot of advantages:

- Perfect power and form actuated clamping.
- Reinforced area of the cutting edge grants stability.
- Precise re-positioning when changing cutting edges.
- Only one insert pocket for many inserts for different cutting operations.



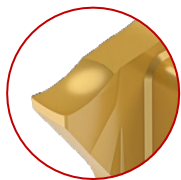
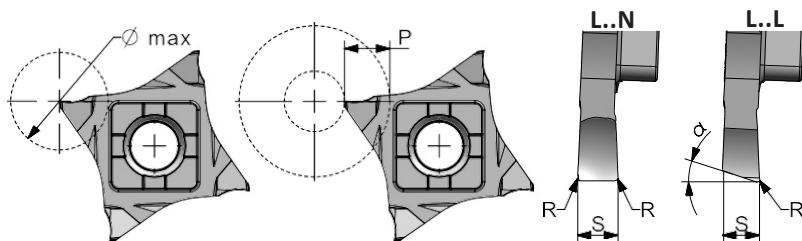
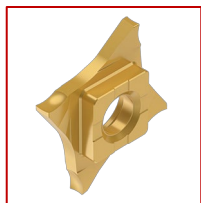
- Positive top rake with mould-shaped chip breaker starting from width S = 1,5 mm.



- Reinforced solidity of inserts suppresses vibrations. Achieves high and constant tool life. Maintains reliability on cutting operations.



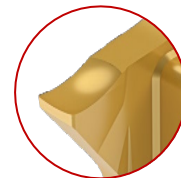
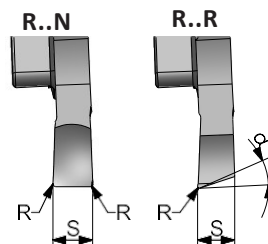
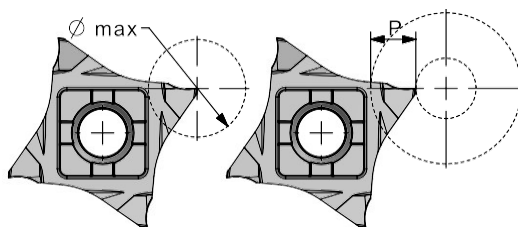
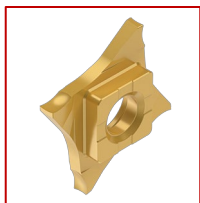
- In case a cutting edge is damaged all other edges can be used independently.



NXQ16L..N/L grooving and parting off inserts

Segmented and ground micrograin insert. Positive top-rake with chipforming groove, beginning with 0,5 mm width to 3mm.

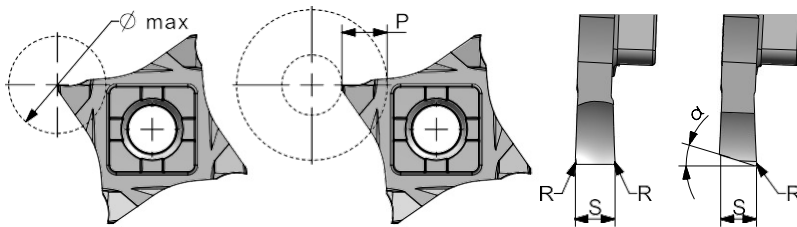
WG400 Ref.	nxFMN	nxFMT	nxKMC		P	R	$s \pm 0,05$		$\varnothing \text{ max.}$
	ID-Nr.	ID-Nr.	ID-Nr.						
NXQ16L 050 000 N 00	20000	30000	40000	N	2,5	0,00	0,50	0	5,0
NXQ16L 100 000 N 00	20001	30001	40001	N	3,5	0,00	1,00	0	7,0
NXQ16L 120 000 N 00	20002	30002	40002	N	6,5	0,00	1,20	0	13,0
NXQ16L 150 010 N 00	20003	30003	40003	N	6,5	0,10	1,50	0	13,0
NXQ16L 200 010 N 00	20004	30004	40004	N	6,5	0,10	2,00	0	13,0
NXQ16L 200 020 N 00	20005	30005	40005	N	6,5	0,20	2,00	0	13,0
NXQ16L 250 010 N 00	20006	30006	40006	N	6,5	0,10	2,50	0	13,0
NXQ16L 250 020 N 00	20007	30007	40007	N	6,5	0,20	2,50	0	13,0
NXQ16L 300 010 N 00	20008	30008	40008	N	6,5	0,10	3,00	0	13,0
NXQ16L 300 020 N 00	20009	30009	40009	N	6,5	0,20	3,00	0	13,0
NXQ16L 100 000 L 06	20010	30010	40010	L	3,5	0,00	1,00	6	7,0
NXQ16L 100 000 L 15	20011	30011	40011	L	3,5	0,00	1,00	15	7,0
NXQ16L 120 000 L 06	20012	30012	40012	L	6,5	0,00	1,20	6	13,0
NXQ16L 150 010 L 06	20013	30013	40013	L	6,5	0,10	1,50	6	13,0
NXQ16L 150 010 L 15	20014	30014	40014	L	6,5	0,10	1,50	15	13,0
NXQ16L 200 010 L 06	20015	30015	40015	L	6,5	0,10	2,00	6	13,0
NXQ16L 200 020 L 06	20016	30016	40016	L	6,5	0,20	2,00	6	13,0
NXQ16L 200 010 L 15	20017	30017	40017	L	6,5	0,10	2,00	15	13,0
NXQ16L 200 020 L 15	20018	30018	40018	L	6,5	0,20	2,00	15	13,0



NFQ16R..N/R grooving and parting off inserts

Segmented and ground micrograin insert. Positive top-rake with chipforming groove, beginning with

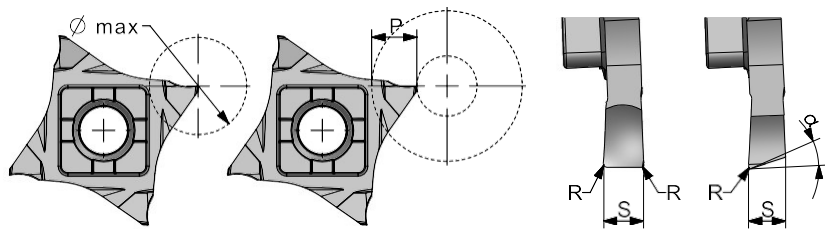
WG 400 Ref.	nxFMN ID-Nr.	nxFMT ID-Nr.	nxKMC ID-Nr.		P	R	$s_{\pm 0,05}$	α°	Ømax.
NXQ16R 050 000 N 00	20019	30019	40019	N	2,5	0,00	0,50	0	5,0
NXQ16R 100 000 N 00	20020	30020	40020	N	3,5	0,00	1,00	0	7,0
NXQ16R 120 000 N 00	20021	30021	40021	N	6,5	0,00	1,20	0	13,0
NXQ16R 150 010 N 00	20022	30022	40022	N	6,5	0,10	1,50	0	13,0
NXQ16R 200 010 N 00	20023	30023	40023	N	6,5	0,10	2,00	0	13,0
NXQ16R 200 020 N 00	20024	30024	40024	N	6,5	0,20	2,00	0	13,0
NXQ16R 250 010 N 00	20025	30025	40025	N	6,5	0,10	2,50	0	13,0
NXQ16R 250 020 N 00	20026	30026	40026	N	6,5	0,20	2,50	0	13,0
NXQ16R 300 010 N 00	20027	30027	40027	N	6,5	0,10	3,00	0	13,0
NXQ16R 300 020 N 00	20028	30028	40028	N	6,5	0,20	3,00	0	13,0
NXQ16R 100 000 R 06	20029	30029	40029	R	3,5	0,00	1,00	6	7,0
NXQ16R 100 000 R 15	20030	30030	40030	R	3,5	0,00	1,00	15	7,0
NXQ16R 120 000 R 06	20031	30031	40031	R	6,5	0,00	1,20	6	13,0
NXQ16R 150 010 R 06	20032	30032	40032	R	6,5	0,10	1,50	6	13,0
NXQ16R 150 010 R 15	20033	30033	40033	R	6,5	0,10	1,50	15	13,0
NXQ16R 200 010 R 06	20034	30034	40034	R	6,5	0,10	2,00	6	13,0
NXQ16R 200 020 R 06	20035	30035	40035	R	6,5	0,20	2,00	6	13,0
NXQ16R 200 010 R 15	20036	30036	40036	R	6,5	0,10	2,00	15	13,0
NXQ16R 200 020 R 15	20037	30037	40037	R	6,5	0,20	2,00	15	13,0



NFQ16L..N/LV - V chip breaker

Segmented and ground micrograin insert. Positive top-rake with chipforming groove, beginning with 1,5 mm width to 3mm.

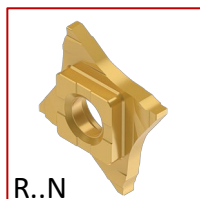
WG400 Ref.	nxFMN ID-Nr.	nxFMT ID-Nr.	()	P	R	$s_{\pm 0,05}$	α°	Ømax.
NXQ16L 150 000 N 00 V	20038	30038	N	6,5	0,00	1,50	0	13,0
NXQ16L 200 010 N 00 V	20039	30039	N	6,5	0,10	2,00	0	13,0
NXQ16L 250 010 N 00 V	20040	30040	N	6,5	0,10	2,50	0	13,0
NXQ16L 300 010 N 00 V	20041	30041	N	6,5	0,10	3,00	0	13,0
NXQ16L 150 000 L 06 V	20042	30042	L	6,5	0,00	1,50	6	13,0
NXQ16L 200 010 L 06 V	20043	30043	L	6,5	0,10	2,00	6	13,0
NXQ16L 200 010 L 15 V	20044	30044	L	6,5	0,10	2,00	15	13,0



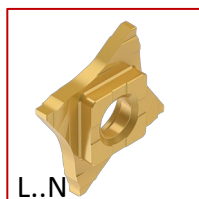
NFQ16L..N/LV - V chip breaker

Segmented and ground micrograin insert. Positive top-rake with chipforming groove, beginning with 1,5 mm width to 3mm.

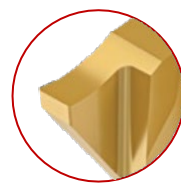
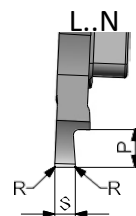
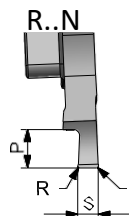
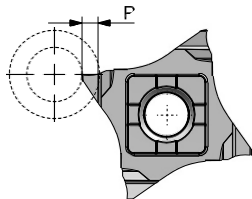
WG400 Ref.	nxFMN ID-Nr.	nxFMT ID-Nr.	()	P	R	$s_{\pm 0,05}$	α°	Ømax.
NXQ16L 150 000 N 00 V	20045	30045	N	6,5	0,00	1,50	0	13,0
NXQ16L 200 010 N 00 V	20046	30046	N	6,5	0,10	2,00	0	13,0
NXQ16L 250 010 N 00 V	20047	30047	N	6,5	0,10	2,50	0	13,0
NXQ16L 300 010 N 00 V	20048	30048	N	6,5	0,10	3,00	0	13,0
NXQ16L 150 000 L 06 V	20049	30049	L	6,5	0,00	1,50	6	13,0
NXQ16L 200 010 L 06 V	20050	30050	L	6,5	0,10	2,00	6	13,0
NXQ16L 200 010 L 15 V	20051	30051	L	6,5	0,10	2,00	15	13,0



R..N

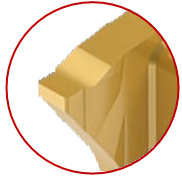
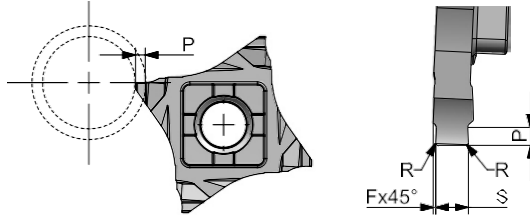
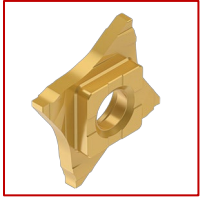


L..N



NFQ16L...N precision ground inserts according to DIN 471, Segmented and ground micrograin insert. Horizontal cutting edge and positive top rake.

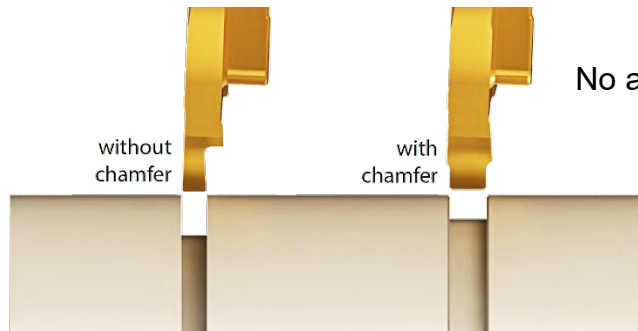
WG400 Ref.	nxFMN ID-Nr.	nxFMT ID-Nr.		P	R		s -0,05
NXQ16L 050 000 N	20052	30052	L	1,0	0,00	0,50	0,57
NXQ16L 060 000 N	20053	30053	L	1,0	0,00	0,60	0,67
NXQ16L 070 000 N	20054	30054	L	1,5	0,00	0,70	0,77
NXQ16L 080 000 N	20055	30055	L	1,5	0,00	0,80	0,87
NXQ16L 090 000 N	20056	30056	L	1,5	0,00	0,90	0,97
NXQ16L 100 000 N	20057	30057	L	1,5	0,00	1,00	1,07
NXQ16L 110 010 N	20058	30058	L	1,5	0,10	1,10	1,24
NXQ16L 130 010 N	20059	30059	L	1,5	0,10	1,30	1,44
NXQ16L 160 010 N	20060	30060	L	2,0	0,10	1,60	1,74
NXQ16L 185 010 N	20061	30061	L	2,0	0,10	1,85	1,99
NXQ16L 215 010 N	20062	30062	L	2,5	0,10	2,15	2,29
NXQ16L 265 010 N	20063	30063	L	2,5	0,10	2,65	2,79
NXQ16L 315 010 N	20064	30064	L	2,5	0,10	3,15	3,29
NXQ16R 050 000 N	20065	30065	R	1,0	0,00	0,50	0,57
NXQ16R 060 000 N	20066	30066	R	1,0	0,00	0,60	0,67
NXQ16R 070 000 N	20067	30067	R	1,5	0,00	0,70	0,77
NXQ16R 080 000 N	20068	30068	R	1,5	0,00	0,80	0,87
NXQ16R 090 000 N	20069	30069	R	1,5	0,00	0,90	0,97
NXQ16R 100 000 N	20070	30070	R	1,5	0,00	1,00	1,07
NXQ16R 110 010 N	20071	30071	R	1,5	0,10	1,10	1,24
NXQ16R 130 010 N	20072	30072	R	1,5	0,10	1,30	1,44
NXQ16R 160 010 N	20073	30073	R	2,0	0,10	1,60	1,74
NXQ16R 185 010 N	20074	30074	R	2,0	0,10	1,85	1,99
NXQ16R 215 010 N	20075	30075	R	2,5	0,10	2,15	2,29
NXQ16R 265 010 N	20076	30076	R	2,5	0,10	2,65	2,79
NXQ16R 315 010 N	20077	30077	R	2,5	0,10	3,15	3,29



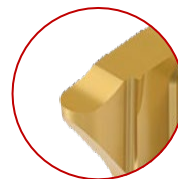
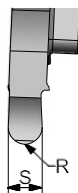
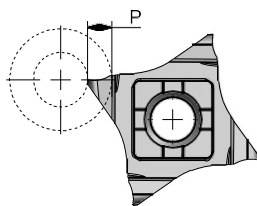
NFQ16L...N

precision ground inserts according to DIN 471 with chamfer Segmented and ground micrograin insert. Horizontal cutting edge and positive top rake.

WG400 Ref.	nxKMN	INSERTS SIZE		F	P	R		$s_{-0,05}$
	ID-Nr.							
OFQ16L 110 010 P050 M	18054	16	L	0,15	0,50	0,10	1,10	1,24
OFQ16L 130 010 P067 M	18055	16	L	0,15	0,67	0,10	1,30	1,44
OFQ16L 160 010 P100 M	18056	16	L	0,15	1,00	0,10	1,60	1,74
OFQ16L 185 015 P125 M	18057	16	L	0,20	1,25	0,15	1,85	1,99
OFQ16L 215 015 P150 M	18058	16	L	0,20	1,50	0,15	2,15	2,29
OFQ16L 265 015 P150 M	18059	16	L	0,20	1,50	0,15	2,65	2,79
OFQ16L 265 015 P175 M	18060	16	L	0,20	1,75	0,15	2,65	2,79



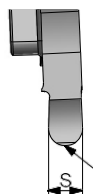
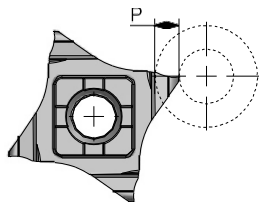
No additional insert for chamfering necessary



NFQ16L...RN

Full radius insert for grooving and copying. Segmented and ground micrograin insert. Horizontal cutting edge and positive top rake.

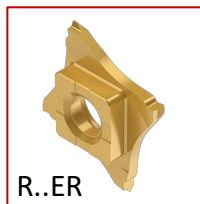
WG400 Ref.	nxFMN ID-Nr.	nxFMT ID-Nr.		P	R	s +0,05
NXQ16L 100 R050 N	20078	30078	L	1,0	0,50	1,00
NXQ16L 150 R075 N	20079	30079	L	1,5	0,75	1,50
NXQ16L 200 R100 N	20080	30080	L	2,0	1,00	2,00
NXQ16L 250 R125 N	20081	30081	L	2,5	1,25	2,50
NXQ16L 300 R150 N	20082	30082	L	3,0	1,50	3,00



NFQ16R...RN

Full radius insert for grooving and copying. Segmented and ground micrograin insert. Horizontal cutting edge and positive top rake.

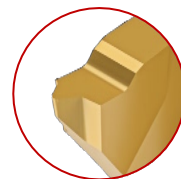
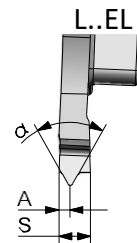
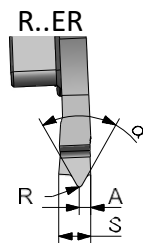
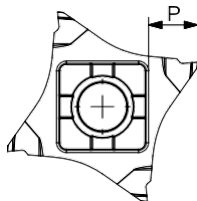
WG400 Ref.	nxFMN ID-Nr.	nxFMT ID-Nr.		P	R	s +0,05
NXQ16R 100 R050 N	20083	30083	R	1,0	0,50	1,00
NXQ16R 150 R075 N	20084	30084	R	1,5	0,75	1,50
NXQ16R 200 R100 N	20085	30085	R	2,0	1,00	2,00
NXQ16R 250 R125 N	20086	30086	R	2,5	1,25	2,50
NXQ16R 300 R150 N	20087	30087	R	3,0	1,50	3,00



R..ER



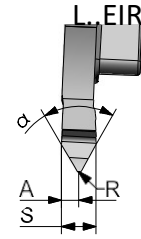
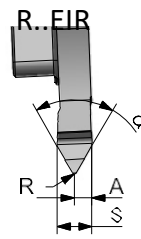
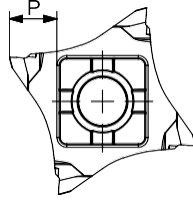
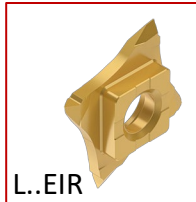
L..EL



NXQ16R/L..EL/R

-Precision threading inserts external for ISO and Withworth full profile

WG400 Ref.	nxFMN ID-Nr.	nxFMT ID-Nr.			A	P	S	α°
NXQ16L 200 050 EL ISO	20088	30088	L	0,50	0,5	6,5	2,0	60
NXQ16L 200 070 EL ISO	20089	30089	L	0,70	0,5	6,5	2,0	60
NXQ16L 200 075 EL ISO	20090	30090	L	0,75	0,5	6,5	2,0	60
NXQ16L 200 080 EL ISO	20091	30091	L	0,80	0,7	6,5	2,0	60
NXQ16L 200 100 EL ISO	20092	30092	L	1,00	0,7	6,5	2,0	60
NXQ16L 200 125 EL ISO	20093	30093	L	1,25	0,7	6,5	2,0	60
NXQ16L 200 28W EL	20094	30094	L	28 G/Zoll	1,0	6,5	2,0	55
NXQ16L 200 19W EL	20095	30095	L	19 G/Zoll	1,0	6,5	2,0	55
NXQ16L 350 14W EL	20096	30096	L	14 G/Zoll	1,3	6,5	3,5	55
NXQ16L 350 11W EL	20097	30097	L	11 G/Zoll	1,5	6,5	3,5	55
NXQ16L 350 150 EL ISO	20098	30098	L	1,50	0,8	6,5	3,5	60
NXQ16L 350 175 EL ISO	20099	30099	L	1,75	0,9	6,5	3,5	60
NXQ16L 350 200 EL ISO	20100	30100	L	2,00	1,0	6,5	3,5	60
NXQ16L 350 250 EL ISO	20101	30101	L	2,50	1,3	6,5	3,5	60
NXQ16L 350 300 EL ISO	20102	30102	L	3,00	1,8	6,5	3,5	60
NXQ16R 200 050 ER ISO	20103	30103	R	0,50	0,5	6,5	2,0	60
NXQ16R 200 070 ER ISO	20104	30104	R	0,70	0,5	6,5	2,0	60
NXQ16R 200 075 ER ISO	20105	30105	R	0,75	0,5	6,5	2,0	60
NXQ16R 200 080 ER ISO	20106	30106	R	0,80	0,7	6,5	2,0	60
NXQ16R 200 100 ER ISO	20107	30107	R	1,00	0,7	6,5	2,0	60
NXQ16R 200 125 ER ISO	20108	30108	R	1,25	0,7	6,5	2,0	60
NXQ16R 200 28W ER	20109	30109	R	28 G/Zoll	1,0	6,5	2,0	55
NXQ16R 200 19W ER	20110	30110	R	19 G/Zoll	1,0	6,5	2,0	55
NXQ16R 350 14W ER	20111	30111	R	14 G/Zoll	1,3	6,5	3,5	55
NXQ16R 350 11W ER	20112	30112	R	11 G/Zoll	1,5	6,5	3,5	55
NXQ16R 350 150 ER ISO	20113	30113	R	1,50	0,8	6,5	3,5	60
NXQ16R 350 175 ER ISO	20114	30114	R	1,75	0,9	6,5	3,5	60
NXQ16R 350 200 ER ISO	20115	30115	R	2,00	1,0	6,5	3,5	60
NXQ16R 350 250 ER ISO	20116	30116	R	2,50	1,3	6,5	3,5	60
NXQ16R 350 300 ER ISO	20117	30117	R	3,00	1,8	6,5	3,5	60



NXQ16R/L..

EIR-Precision threading inserts external for ISO and Withworth partial profile

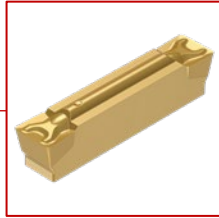
WG400 Ref.	nxFMN ID-Nr.	nxFMT ID-Nr.			A	P	R	S	α°
NXQ16L 200 EIR55 28 W	20118	30118	L	28-20 G/Zoll	0,9	6,5	0,1	2,0	55
NXQ16L 200 EIR60 050	20119	30119	L	0,5-1,00	0,9	6,5	0,1	2,0	60
NXQ16L 250 EIR55 19 W	20120	30120	L	19-14 G/Zoll	1,2	6,5	0,2	2,5	55
NXQ16L 250 EIR60 125	20121	30121	L	1,25-1,75	1,2	6,5	0,2	2,5	60
NXQ16L 350 EIR55 12 W	20122	30122	L	12-10 G/Zoll	1,8	6,5	0,3	3,5	55
NXQ16L 350 EIR60 200	20123	30123	L	2,00-3,00	1,8	6,5	0,3	3,5	60
NXQ16R 200 EIR55 28 W	20124	30124	R	28-20 G/Zoll	0,9	6,5	0,1	2,0	55
NXQ16R 200 EIR60 050	20125	30125	R	0,5-1,00	0,9	6,5	0,1	2,0	60
NXQ16R 250 EIR55 19 W	20126	30126	R	19-14 G/Zoll	1,2	6,5	0,2	2,5	55
NXQ16R 250 EIR60 125	20127	30127	R	1,25-1,75	1,2	6,5	0,2	2,5	60
NXQ16R 350 EIR55 12 W	20128	30128	R	12-10 G/Zoll	1,8	6,5	0,3	3,5	55
NXQ16R 350 EIR60 200	20129	30129	R	2,00-3,00	1,8	6,5	0,3	3,5	60



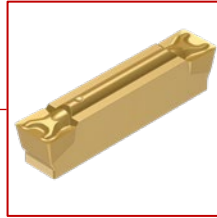
NXP series - Parting off, grooving and turning inserts. A great variety of applications



BNNG



MNNS



MNNSG



XNNS



BNNN



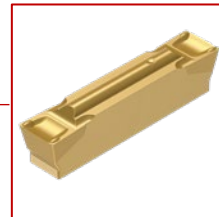
BNNNF



CND ALU



CND



SCND



PNN SM

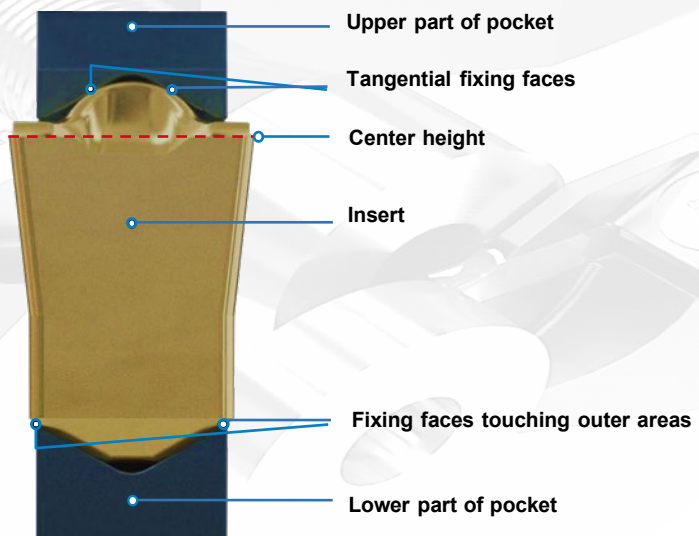


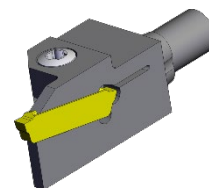
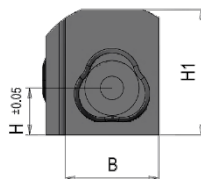
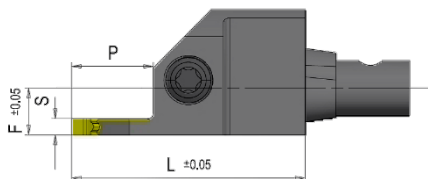
CNDS



LNNN

The absolutely rigid clamping system



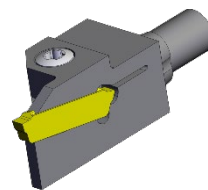
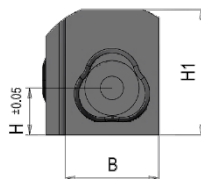
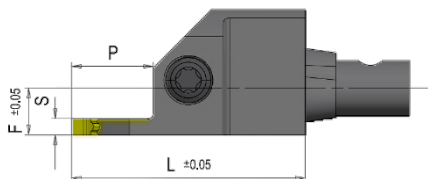


Modular NXP HEAD - for holder size 12x12

With internal coolant – For parting and grooving inserts Series NXP only!



Reference	B	H1	F	L	L/R	Insert size S ± 0.05	P (Dmax)	Order Code
NXP12.L.15.D12	22	16	6	25	L	1.5	12	NX1020
NXP12.R.15.D12	22	16	6	25	R	1.5	12	NX1021
NXP12.L.15.D20	22	16	6	25	L	1.5	20	
NXP12.R.15.D20	22	16	6	25	R	1.5	20	
NXP12.L.15.D28	22	16	6	25	L	1.5	28	
NXP12.R.15.D28	22	16	6	25	R	1.5	28	
NXP12.L.20.D12	22	16	6	25	L	2	12	
NXP12.R.20.D12	22	16	6	25	R	2	12	
NXP12.L.20.D20	22	16	6	25	L	2	20	
NXP12.R.20.D20	22	16	6	25	R	2	20	
NXP12.L.20.D28	22	16	6	25	L	2	28	
NXP12.R.20.D28	22	16	6	25	R	2	28	
NXP12.L.25.D12	22	16	6	25	L	2.5	12	
NXP12.R.25.D12	22	16	6	25	R	2.5	12	
NXP12.L.25.D20	22	16	6	25	L	2.5	20	
NXP12.R.25.D20	22	16	6	25	R	2.5	20	
NXP12.L.25.D28	22	16	6	25	L	2.5	28	
NXP12.R.25.D28	22	16	6	25	R	2.5	28	
NXP12.L.30.D12	22	16	6	25	L	3	12	
NXP12.R.30.D12	22	16	6	25	R	3	12	
NXP12.L.30.D20	22	16	6	25	L	3	20	
NXP12.R.30.D20	22	16	6	25	R	3	20	
NXP12.L.30.D28	22	16	6	25	L	3	28	
NXP12.R.30.D28	22	16	6	25	R	3	28	

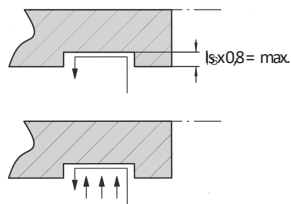
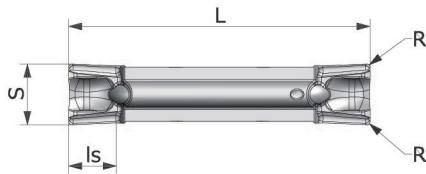
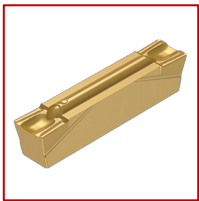


Modular NXP HEAD – for holder size 16x16

With internal coolant – For parting and grooving inserts Series NXP only!

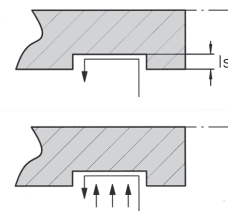
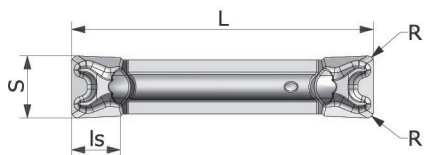
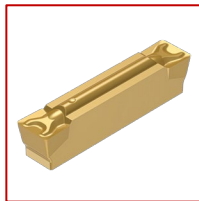


Reference	B	H1	F	L	L/R	Insert size S ± 0.05	P (Dmax)	Order Code
NXP16.L.15.D12	14	18	6	25	L	1.5	12	NX1020
NXP16.R.15.D12	14	18	6	25	R	1.5	12	NX1021
NXP16.L.15.D20	14	18	6	25	L	1.5	20	
NXP16.R.15.D20	14	18	6	25	R	1.5	20	
NXP16.L.15.D28	14	18	6	25	L	1.5	28	
NXP16.R.15.D28	14	18	6	25	R	1.5	28	
NXP16.L.20.D12	14	18	6	25	L	2	12	
NXP16.R.20.D12	14	18	6	25	R	2	12	
NXP16.L.20.D20	14	18	6	25	L	2	20	
NXP16.R.20.D20	14	18	6	25	R	2	20	
NXP16.L.20.D28	14	18	6	25	L	2	28	
NXP16.R.20.D28	14	18	6	25	R	2	28	
NXP16.L.25.D12	14	18	6	25	L	2.5	12	
NXP16.R.25.D12	14	18	6	25	R	2.5	12	
NXP16.L.25.D20	14	18	6	25	L	2.5	20	
NXP16.R.25.D20	14	18	6	25	R	2.5	20	
NXP16.L.25.D28	14	18	6	25	L	2.5	28	
NXP16.R.25.D28	14	18	6	25	R	2.5	28	
NXP16.L.30.D12	14	18	6	25	L	3	12	
NXP16.R.30.D12	14	18	6	25	R	3	12	
NXP16.L.30.D20	14	18	6	25	L	3	20	
NXP16.R.30.D20	14	18	6	25	R	3	20	
NXP16.L.30.D28	14	18	6	25	L	3	28	
NXP16.R.30.D28	14	18	6	25	R	3	28	



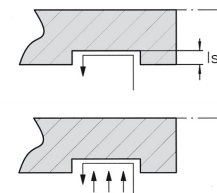
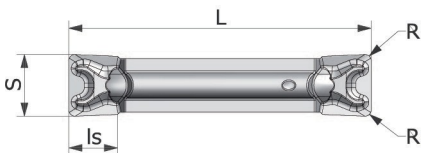
BNNG-Finishing Grooved cutting edge. Horizontal turning edges with parallel chip breakers. The precision ground micrograin insert is recommended especially for heat resistant alloys

WG260 Ref.	nxGF	nxGFN	nxGFT		L	Is	R	$s \pm 0,025$
	ID-Nr.	ID-Nr.	ID-Nr.					
BNNG 202	50000	60000	70000	N	20,00	2,00	0,2	2,00
BNNG 2,5	50001	60001	70001	N	20,00	2,00	0,2	2,50
BNNG 302	50002	60002	-	N	20,00	3,50	0,2	3,00
BNNG 304	50003	60003	-	N	20,00	3,50	0,4	3,00



MNNS-Roughing Cutting edge with large parting off chip breakers. Excellent chip control in the range $Is \times 0,8$. Especially recommended for carbon steels, low and high alloy steels.

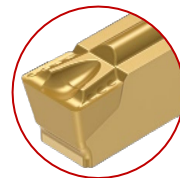
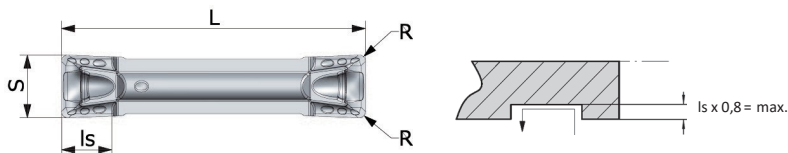
WG300 Ref.	nxKMT	nxPMT	nxGFT	nxKMC		L	Is	R	S
	ID-Nr.	ID-Nr.	ID-Nr.	ID-Nr.					
MNNS 202	80000	90000	70002	40038	N	20,10	2,0	0,2	$2,05 \pm 0,10$
MNNS 2,5	80001	90001	70003	40039	N	20,10	2,0	0,2	$2,62 \pm 0,10$
MNNS 302	80002	90002	70004	40040	N	20,00	3,5	0,2	$3,0 \pm 0,15$
MNNS 304	80003	90003	70005	40041	N	20,00	3,5	0,4	$3,0 \pm 0,15$



MNNSG Cutting and turning chip breaker...

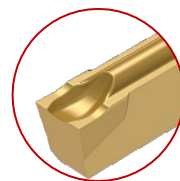
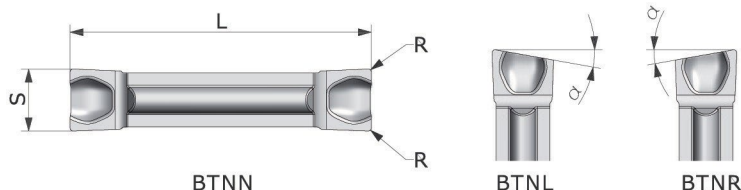
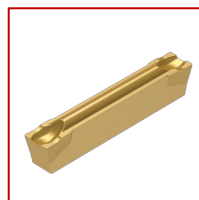
Circumferentially ground cutting edges slightly honed with polished top-rake. Recommended for stainless steels, titanium, nickel alloys and aluminium alloy steels.

WG260 Ref.	nxKMT		L	Is	R	$s \pm 0,025$
	ID-Nr.					
MNNSG 202	80004	N	20,00	2,0	0,2	1,95
MNNSG 2,5	80005	N	20,10	2,0	0,2	2,45
MNNSG 302	80006	N	19,95	3,5	0,2	2,95
MNNSG 304	80007	N	19,95	3,5	0,4	2,95



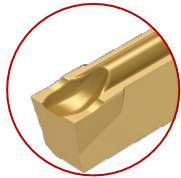
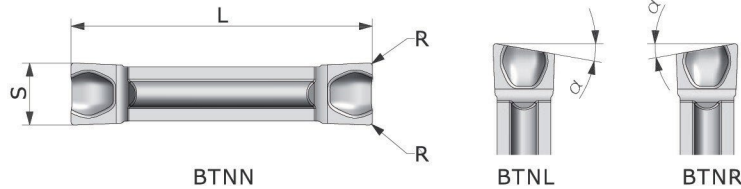
XNNS- Roughing to finishing. A 9° declining major cutting edge with a reinforcing chamfer and a 24° positive entry to the chip former, achieve excellent chip control especially on difficult to cut materials. The minor cutting edges with 16° positive entry angle achieve efficient profile turning creating clean surfaces. Although the insert has been developed for universal cutting and turning, parting off tests with nxKMT proved excellent tool life on stainless steels.

WG300 Ref.	nxKMT	nxGFT		L	Is	R	S
	ID-Nr.	ID-Nr.					
XNNS 202	80008	70006	N	20,15	2,00	0,2	2,05 +0,10
XNNS 302	80009	70007	N	20,15	3,00	0,2	3,05 +0,15
XNNS 304	80010	70008	N	20,15	3,00	0,4	3,05 +0,15



BNNN- Parting off chip breaker. Grooved parting off edge with reinforced flanks. The deep and spacious chip-trough gives excellent chip control. Efficient on almost all materials.

WG300 Ref.	nxPMN	nxKMT	nxKMC		L ±0,10	R	s ±0,10	α°
	ID-Nr.	ID-Nr.	ID-Nr.					
BNNN 1,5	12000	80011	40042	N	15,50	0,2	1,58	0
BNNN 2	12001	80012	40043	N	20,00	0,2	2,08	0
BNNN 2,5	12002	80013	40044	N	20,00	0,2	2,58	0
BNNN 3	12003	80014	40045	N	20,00	0,2	3,08	0
BNNR 1,5 6D	12004	80015	40046	R	15,50	0,2	1,58	6
BNNR 1,5 10D	12005	80016	40047	R	15,50	0,2	1,58	10
BNNR 1,5 16D	12006	80017	40048	R	15,50	0,2	1,58	16
BNNR 2 6D	12007	80018	40049	R	20,00	0,2	2,08	6
BNNR 2 10D	12008	80019	40050	R	20,00	0,2	2,08	10
BNNR 2,5 6D	12009	80020	40051	R	20,00	0,2	2,58	6
BNNR 2,5 10D	12010	80021	40052	R	20,00	0,2	2,58	10
BNNR 3 6D	12011	80022	40053	R	20,00	0,2	3,08	6
BNNR 3 10D	12012	80023	40054	R	20,00	0,2	3,08	10
BNNL 1,5 6D	12013	80024	40055	L	15,50	0,2	1,58	6
BNNL 1,5 10D	12014	80025	40056	L	15,50	0,2	1,58	10
BNNL 1,5 16D	12015	80026	40057	L	15,50	0,2	1,58	16
BNNL 2 6D	12016	80027	40058	L	20,00	0,2	2,08	6
BNNL 2 10D	12017	80028	40059	L	20,00	0,2	2,08	10
BNNL 2,5 6D	12018	80029	40060	L	20,00	0,2	2,58	6
BNNL 2,5 10D	12019	80030	40061	L	20,00	0,2	2,58	10
BNNL 3 6D	12020	80031	40062	L	20,00	0,2	3,08	6
BNNL 3 10D	12021	80032	40063	L	20,00	0,2	3,08	10

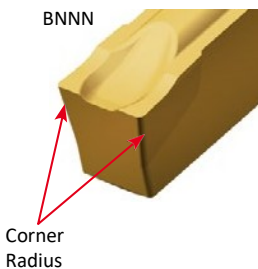


BNNR/LF

BNNR Parting off chip breaker. Grooved parting off edge with reinforced flanks. The deep and spacious chip-trough gives excellent chip control. Efficient on almost all materials.

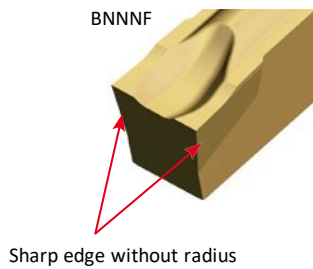
WG300 Ref.	nxGFN	nxPMN	nxGFC		L-0,1	R	s ±0,1	
ID-Nr.	ID-Nr.	ID-Nr.						
BNNNF1,5	60004	12022	13000	N	15,10	0,0	1,58	0
BNNNF 2	60005	12023	13001	N	19,60	0,0	2,08	0
BNNNF 2,5	60006	12024	13002	N	19,60	0,0	2,58	0
BNNNF 3	60007	12025	13003	N	19,60	0,0	3,08	0
BNNRF1,5 6D	60008	12026	13004	R	15,10	0,0	1,58	6
BNNRF1,5 10D	60009	12027	13005	R	15,10	0,0	1,58	10
BNNRF 2 6D	60010	12028	13006	R	19,60	0,0	2,08	6
BNNRF 2 10D	60011	12029	13007	R	19,60	0,0	2,08	10
BNNRF 2,5 6D	60012	12030	13008	R	19,60	0,0	2,58	6
BNNRF 2,5 10D	60013	12031	13009	R	19,60	0,0	2,58	10
BNNRF 3 6D	60014	12032	13010	R	19,60	0,0	3,08	6
BNNRF 3 10D	60015	12033	13011	R	19,60	0,0	3,08	10
BNNLF 1,5 6D	60016	12034	13012	L	15,10	0,0	1,58	6
BNNLF 1,5 10D	60017	12035	13013	L	15,10	0,0	1,58	10
BNNLF 2 6D	60018	12036	13014	L	19,60	0,0	2,08	6
BNNLF 2 10D	60019	12037	13015	L	19,60	0,0	2,08	10
BNNLF 2,5 6D	60020	12038	13016	L	19,60	0,0	2,58	6
BNNLF 2,5 10D	60021	12039	13017	L	19,60	0,0	2,58	10
BNNLF 3 6D	60022	12040	13018	L	19,60	0,0	3,08	6
BNNLF 3 10D	60023	12041	13019	L	19,60	0,0	3,08	10

BNNN



Corner
Radius

BNNNF



Sharp edge without radius

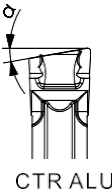
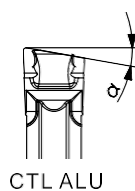
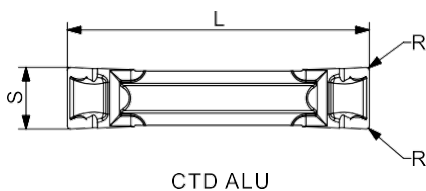
BNN Parting off chip breaker

Grooved parting off edge with reinforced flanks.
The deep and spacious chip-trough gives excellent
chip control.

Efficient on almost all materials.

The difference BNNN and BNNNF:
F marks an especially sharp edge.

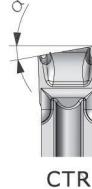
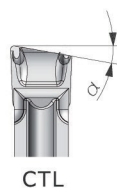
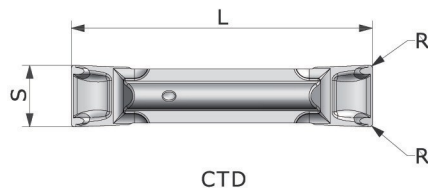
This is recommended for hard and tough materials and also for machining steels.



CND ALU

ALU chip breaker...Horizontal ground cutting edge. The flat chip chamber conveys chips at high speed. Recommended for: nonferrous heavy metals, machining steels, thin walled parts, unstable components and pipes.

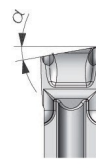
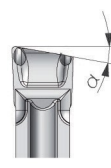
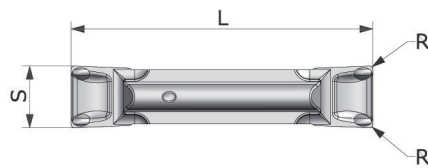
WG300 Ref.	nxKM	nxPMN	nxKM ALU	nxGF ALU		L	R	$s \pm 0,10$	α°
	ID-Nr.	ID-Nr.	ID-Nr.	ID-Nr.					
CND 1,5 ALU	-	12042	-	16000	N	15,5 $\pm 0,15$	0,2	1,58	0
CND 2 ALU	-	12043	-	16001	N	20 $\pm 0,15$	0,2	2,08	0
CND 2,5 ALU	-	12044	-	16002	N	20 $\pm 0,15$	0,2	2,58	0
CND 3 ALU	14000	12045	15000	-	N	20 $\pm 0,15$	0,2	3,08	0
CNL 3 6D ALU	14001	12046	15001	-	L	20 $\pm 0,15$	0,2	3,08	6
CNR 3 6D ALU	14002	12047	15002	-	R	20 $\pm 0,15$	0,2	3,08	6



CND

Classic chip breaker... Horizontal, chamfered parting off edge with reinforced flanks and large chip breaker. To be used universally and especially on interrupted cuts. Alloy steels, stainless steels, interrupted cuts.

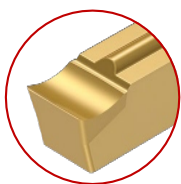
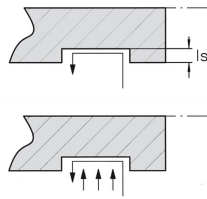
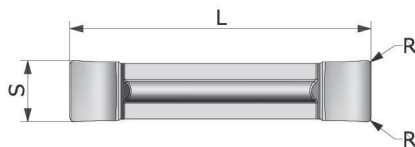
WG300 Ref.	nxKMT	nxGFC	nxPMC	nxKMC		L	R	$s \pm 0,10$	α°
	ID-Nr.	ID-Nr.	ID-Nr.	ID-Nr.					
CND 1,5	-	13020	17000	-	N	15,5 $\pm 0,15$	0,15	1,58	0
CND 2	-	13021	17001	-	N	20 $\pm 0,15$	0,2	2,08	0
CND 2,5	-	13022	17002	-	N	20 $\pm 0,15$	0,2	2,58	0
CND 3	80033	13023	17003	40064	N	20 $\pm 0,15$	0,2	3,08	0
CNL 1,5 6D	-	13024	17004	-	L	15,5 $\pm 0,15$	0,15	1,58	6
CNL 2 6D	-	13025	17005	-	L	20 $\pm 0,15$	0,2	2,08	6
CNL 2,5 6D	-	13026	17006	-	L	20 $\pm 0,15$	0,2	2,58	6
CNL 3 6D	80034	13027	17007	40065	L	20 $\pm 0,15$	0,2	3,08	6
CNR 1,5 6D	-	13028	17008	-	R	15,5 $\pm 0,15$	0,15	1,58	6
CNR 2 6D	-	13029	17009	-	R	20 $\pm 0,15$	0,2	2,08	6
CNR 2,5 6D	-	13030	17010	-	R	20 $\pm 0,15$	0,2	2,58	6
CNR 3 6D	80035	13031	17011	40066	R	20 $\pm 0,15$	0,2	3,08	6



SCND

Parting off geometry...Slightly honed cutting edge with reinforced flanks and large chip through.

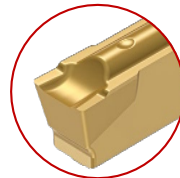
WG300 Ref.	nxPMN	nxGFC	nxKMC	nxPMC		L	R	$s \pm 0,10$	α°
	ID-Nr.	ID-Nr.	ID-Nr.	ID-Nr.					
SCND 1,5	12048	13032	-	17012	N	$15,5 \pm 0,15$	0,2	1,58	0
SCND 2	12049	13033	-	17013	N	$20 \pm 0,15$	0,2	2,08	0
SCND 2,5	12050	13034	-	17014	N	$20 \pm 0,15$	0,2	2,58	0
SCND 3,0	12051	-	40067	17015	N	$20 \pm 0,15$	0,2	3,08	0
				17016					
SCNL 1,5 6D	12052	13035	-	17017	L	$15,5 \pm 0,15$	0,2	1,58	6
SCNL 2 6D	12053	13036	-	17018	L	$20 \pm 0,15$	0,2	2,08	6
SCNL 2,5 6D	12054	13037	-	17019	L	$20 \pm 0,15$	0,2	2,58	6
SCNL 3,0 6D	12055	-	40068	17020	L	$20 \pm 0,15$	0,2	3,08	6
				17021					
SCNR 1,5 6D	12056	13038	-	17022	R	$15,5 \pm 0,15$	0,2	1,58	6
SCNR 2 6D	12057	13039	-	17023	R	$20 \pm 0,15$	0,2	2,08	6
SCNR 2,5 6D	12058	13040	-	17024	R	$20 \pm 0,15$	0,2	2,58	6
SCNR 3,0 6D	12059	-	40069	17025	R	$20 \pm 0,15$	0,2	3,08	6



PNNSM

High positive parting off geometry. Ground top rake with 0,1 mm chamfer on the major cutting edge for stabilisation. Especially recommended for: NE materials and difficult to cut materials. Application: profiling.

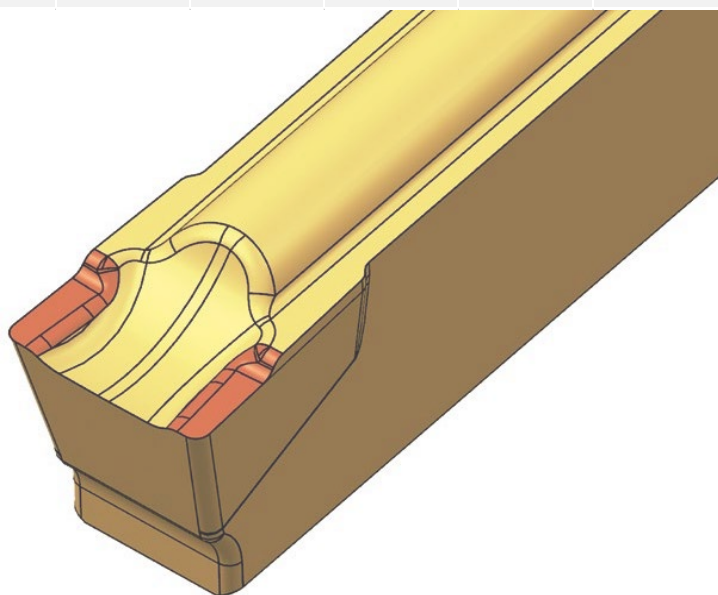
WG300 Bezeichnung	nxGFT		L	R	$s \pm 0,10$
	ID-Nr.				
PNNSM 202	70009	N	$20 \pm 0,15$	0,2	2,075
PNNSM 2.502	70010	N	$20 \pm 0,15$	0,2	2,575
PNNSM 304	70011	N	$20 \pm 0,15$	0,4	3,075



LNNN

LNN Parting off geometry. For parting off long chipping materials. Especially recommended for double-spindle lathes. LNNNW3 wiper geometry.

WG300 Bezeichnung	nxGFN	nxPMN	nxPMC	nxGFC		L	R	s +0,10	 α°
	ID-Nr.	ID-Nr.	ID-Nr.	ID-Nr.					
LNNN 1.5	60024	12128	17026	13041	N	16	0,15	1,50	0
LNNN 2	60025	12129	17027	13042	N	20	0,2	2,00	0
LNNN 3	60026	12130	17028	13043	N	20	0,2	3,08	0
LNNNW 3	60027	12131	-	-	N	20	0,2	3,08	0



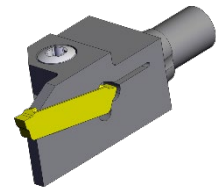
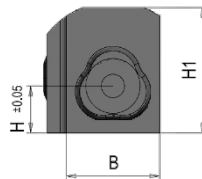
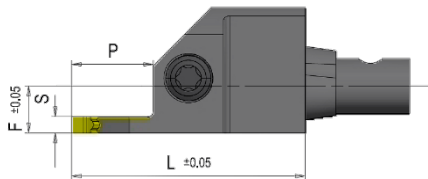
High feeds

Easy cutting geometry

Reinforced flanks

Short chipbreaker

Excellent chip control

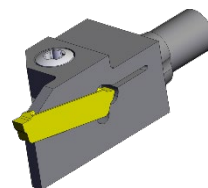
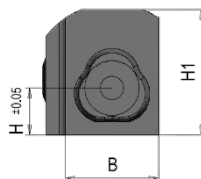
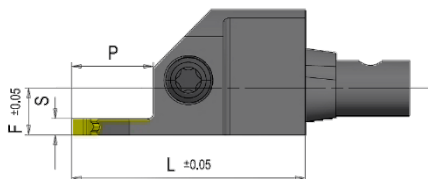


Modular NXPS HEAD - for holder size 12x12

With internal coolant – For parting and grooving inserts Series NXP only!



Reference	B	H1	F	L	L/R	Insert size S ±0.05	P (Dmax)	Order Code
NXP12.L.15.D12	22	16	6	25	L	1.5	12	NX1020
NXP12.R.15.D12	22	16	6	25	R	1.5	12	NX1021
NXP12.L.15.D20	22	16	6	25	L	1.5	20	
NXP12.R.15.D20	22	16	6	25	R	1.5	20	
NXP12.L.15.D28	22	16	6	25	L	1.5	28	
NXP12.R.15.D28	22	16	6	25	R	1.5	28	
NXP12.L.20.D12	22	16	6	25	L	2	12	
NXP12.R.20.D12	22	16	6	25	R	2	12	
NXP12.L.20.D20	22	16	6	25	L	2	20	
NXP12.R.20.D20	22	16	6	25	R	2	20	
NXP12.L.20.D28	22	16	6	25	L	2	28	
NXP12.R.20.D28	22	16	6	25	R	2	28	
NXP12.L.25.D12	22	16	6	25	L	2.5	12	
NXP12.R.25.D12	22	16	6	25	R	2.5	12	
NXP12.L.25.D20	22	16	6	25	L	2.5	20	
NXP12.R.25.D20	22	16	6	25	R	2.5	20	
NXP12.L.25.D28	22	16	6	25	L	2.5	28	
NXP12.R.25.D28	22	16	6	25	R	2.5	28	
NXP12.L.30.D12	22	16	6	25	L	3	12	
NXP12.R.30.D12	22	16	6	25	R	3	12	
NXP12.L.30.D20	22	16	6	25	L	3	20	
NXP12.R.30.D20	22	16	6	25	R	3	20	
NXP12.L.30.D28	22	16	6	25	L	3	28	
NXP12.R.30.D28	22	16	6	25	R	3	28	



Modular NXPS HEAD – for holder size 16x16

With internal coolant – For parting and grooving inserts Series NXP only!



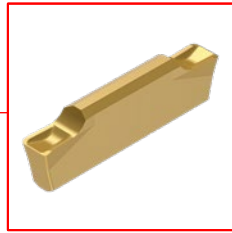
Reference	B	H1	F	L	L/R	Insert size S ± 0.05	P (Dmax)	Order Code
NXP16.L.15.D12	14	18	6	25	L	1.5	12	NX1020
NXP16.R.15.D12	14	18	6	25	R	1.5	12	NX1021
NXP16.L.15.D20	14	18	6	25	L	1.5	20	
NXP16.R.15.D20	14	18	6	25	R	1.5	20	
NXP16.L.15.D28	14	18	6	25	L	1.5	28	
NXP16.R.15.D28	14	18	6	25	R	1.5	28	
NXP16.L.20.D12	14	18	6	25	L	2	12	
NXP16.R.20.D12	14	18	6	25	R	2	12	
NXP16.L.20.D20	14	18	6	25	L	2	20	
NXP16.R.20.D20	14	18	6	25	R	2	20	
NXP16.L.20.D28	14	18	6	25	L	2	28	
NXP16.R.20.D28	14	18	6	25	R	2	28	
NXP16.L.25.D12	14	18	6	25	L	2.5	12	
NXP16.R.25.D12	14	18	6	25	R	2.5	12	
NXP16.L.25.D20	14	18	6	25	L	2.5	20	
NXP16.R.25.D20	14	18	6	25	R	2.5	20	
NXP16.L.25.D28	14	18	6	25	L	2.5	28	
NXP16.R.25.D28	14	18	6	25	R	2.5	28	
NXP16.L.30.D12	14	18	6	25	L	3	12	
NXP16.R.30.D12	14	18	6	25	R	3	12	
NXP16.L.30.D20	14	18	6	25	L	3	20	
NXP16.R.30.D20	14	18	6	25	R	3	20	
NXP16.L.30.D28	14	18	6	25	L	3	28	
NXP16.R.30.D28	14	18	6	25	R	3	28	

NXPS series

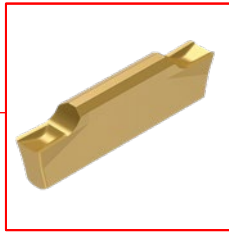
Cutting and turning, grooving and parting off and threading with NXPS series. **All inserts in 2mm width.**



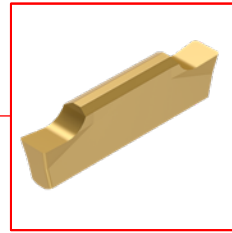
BNNS



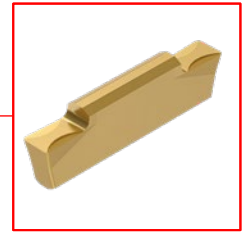
INNS



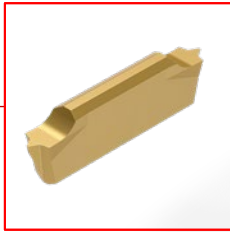
SNNS



HNNS



HNNST



HNNG2 ER



HNNST

Grooving
and turning

Horizontal major cutting edge with sharply ground minor turning edges. Excellent chip control.



SNNS

Grooving
and parting off

The arc-shaped, slightly honed cutting edge with its large chip-chamber leads to good chip control. For universal use.



HNNS

Grooving
and parting off

Horizontal ground cutting edge with positive top rake angle. Recommended for automatic lathe cutting jobs on free cutting materials.



BNNS

Grooving
and parting off

Grooved parting off edge with reinforced flanks. The deep and spacious chip-trough gives excellent chip control. Efficient on almost all materials.

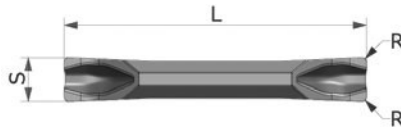


INNS

Grooving
and parting off

Horizontal, chamfered cutting edge with reinforced flanks and large chip chamber. Especially recommended for:

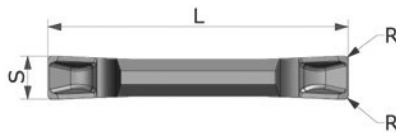
- high alloy steels
- stainless steels
- interrupted cuts



HNNS - Parting off chip breaker

Grooved parting off edge with reinforced flanks. The deep and spacious chip-trough gives excellent chip control. Efficient on almost all materials.

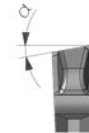
K20/143 Ref.	nxKM	nxPMN	nxKMT	-		L	R	S ± 0.10
	ID-Nr.	ID-Nr.	ID-Nr.	-				
BNNS 2	12132	12132	80037	-	N	14,00	0,2	2,00



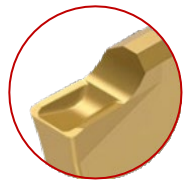
INNS



INN L



INN R



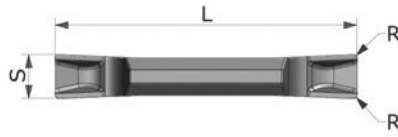
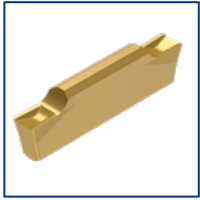
INN S/R/L - twin-cut | Typ-IN

Horizontal, chamfered cutting edge with reinforced flanks and large chip chamber.

K20/143 Ref.	nxKM	nxPMN	nxKMT	-		L	R	S ± 0.10
	ID-Nr.	ID-Nr.	ID-Nr.	-				
INNS 2	14003	12133	80038	-	N	14,00	0,2	2,00
INN L 8D	14004	12134	80039	-	L	14,00	0,2	2,00
INN R 2 8D	14005	12135	80040	-	R	14,00	0,2	2,00

Especially recommended for:

- high alloy steels
- stainless steels
- interrupted cuts



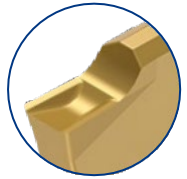
HNNS



INNLL

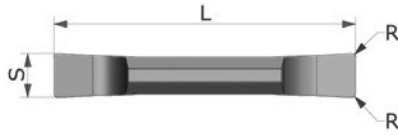
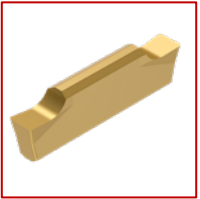


INNRR



HNNS- Horizontal ground cutting edge with positive top rake angle. Recommended for automatic lathe cutting jobs on free cutting materials.

K20/144 Ref.	nxKM	nxPMN	nxPMT	nxKMT	()	L	R	S ± 0.10
ID-Nr.	ID-Nr.	ID-Nr.	ID-Nr.	ID-Nr.				
HNNS 2	14003	12136	90014	80041	N	14,00	0,2	2,00
HNNS 2								
HNNSL 10D	14004	12137	90015	80042	L	14,00	0,2	2,00
HNNSL 10D								
HNNSR 2 10D	14005	12138	90016	80043	R	14,00	0,2	2,00
HNNSR 2 10D								



HNNS



HNNSL

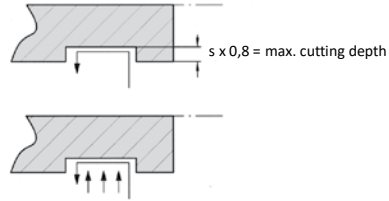
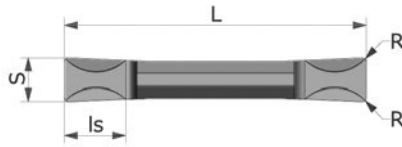


HNNSR



HNNS S/R/L- Horizontal ground cutting edge with positive top rake angle. Recommended for automatic lathe cutting jobs on free cutting materials.

K20/144 Ref.	nxKM	nxPMN	nxPMT	nxKMT	()	L	R	S ± 0.10
ID-Nr.	ID-Nr.	ID-Nr.	ID-Nr.	ID-Nr.				
HNNS 2	14003	12060	90004	80036	N	14,00	0,2	2,00
HNNSF 2	14004	12061	90005	-	N	13,40	0,0	2,00
HNNSF 2								
HNNSL 2 6D	14005	12062	90006	-	L	14,00	0,2	2,00
HNNSLF 2 6D	14006	12063	90007	-	L	13,40	0,0	2,00
HNNSL 2 15D	14007	12064	90008	-	L	14,00	0,2	2,00
HNNSLF 2 15D	14008	12065	90009	-	L	13,40	0,0	2,00
HNNSLF 2 15D								
HNNSR 2 6D	14009	12066	90010	-	R	14,00	0,2	2,00
HNNSRF 2 6D	14010	12067	90011	-	R	13,40	0,0	2,00
HNNSR 2 15D	14011	12068	90012	-	R	14,00	0,2	2,00
HNNSRF 2 15D	14012	12069	90013	-	R	13,40	0,0	2,00

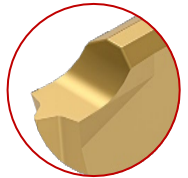
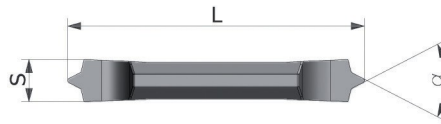
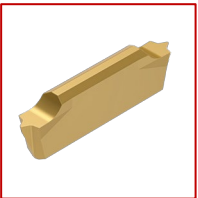


HNNST for grooving and turning

Cutting and turning insert

Horizontal major cutting edge with sharply ground minor turning edges. Excellent chip control.

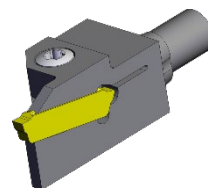
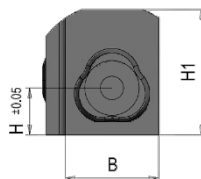
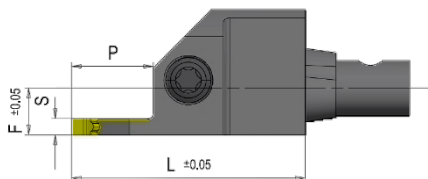
K20/145 Ref.	nxKM	nxPMN	nxKMT	-	()	L	R	S ± 0.10
	ID-Nr.	ID-Nr.	ID-Nr.	-				
HNNST 2	12139	12139	80044	-	N	14,00	0,2	2,00



HNNG 2ER

K20/146 Ref.	nxKM	nxPMN		L ^{-0.1}	S	α°
	ID-Nr.	ID-Nr.	Pitch			
HNNG 2 ER ISO 035	14062	12132	0.35	13.8	2.00	60°
HNNG 2 ER ISO 050	14063	12133	0.50	13.8	2.00	60°
HNNG 2 ER ISO 070	14064	12134	0.70	13.8	2.00	60°
HNNG 2 ER ISO 075	14065	12135	0.75	13.8	2.00	60°
HNNG 2 ER ISO 080	14066	12136	0.80	13.8	2.00	60°
HNNG 2 ER ISO 100	14067	12137	1.00	13.8	2.00	60°
HNNG 2 ER ISO 125	14068	12138	1.25	13.8	2.00	60°
HNNG 2 ER ISO 150	14069	12139	1.50	13.8	2.00	60°
HNNG 2 ER 14W	14070	12140	14G/Zoll	13.8	2.00	60°
HNNG 2 ER 19W	14071	12141	19G/Zoll	13.8	2.00	60°
HNNG 2 ER 28W	14072	12142	28G/Zoll	13.8	2.00	60°

•These inserts can be used for RH and LH threading.

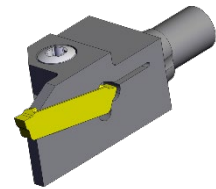
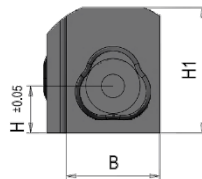
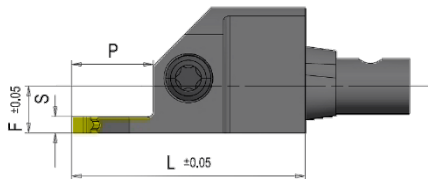


Modular NXPP HEAD - for holder size 12x12

With internal coolant – For parting and grooving inserts Series NXP only!



Reference	B	H1	F	L	L/R	Insert size S ±0.05	P (Dmax)	Order Code
NXP12.L.15.D12	22	16	6	25	L	1.5	12	NX1020
NXP12.R.15.D12	22	16	6	25	R	1.5	12	NX1021
NXP12.L.15.D20	22	16	6	25	L	1.5	20	
NXP12.R.15.D20	22	16	6	25	R	1.5	20	
NXP12.L.15.D28	22	16	6	25	L	1.5	28	
NXP12.R.15.D28	22	16	6	25	R	1.5	28	
NXP12.L.20.D12	22	16	6	25	L	2	12	
NXP12.R.20.D12	22	16	6	25	R	2	12	
NXP12.L.20.D20	22	16	6	25	L	2	20	
NXP12.R.20.D20	22	16	6	25	R	2	20	
NXP12.L.20.D28	22	16	6	25	L	2	28	
NXP12.R.20.D28	22	16	6	25	R	2	28	
NXP12.L.25.D12	22	16	6	25	L	2.5	12	
NXP12.R.25.D12	22	16	6	25	R	2.5	12	
NXP12.L.25.D20	22	16	6	25	L	2.5	20	
NXP12.R.25.D20	22	16	6	25	R	2.5	20	
NXP12.L.25.D28	22	16	6	25	L	2.5	28	
NXP12.R.25.D28	22	16	6	25	R	2.5	28	
NXP12.L.30.D12	22	16	6	25	L	3	12	
NXP12.R.30.D12	22	16	6	25	R	3	12	
NXP12.L.30.D20	22	16	6	25	L	3	20	
NXP12.R.30.D20	22	16	6	25	R	3	20	
NXP12.L.30.D28	22	16	6	25	L	3	28	
NXP12.R.30.D28	22	16	6	25	R	3	28	



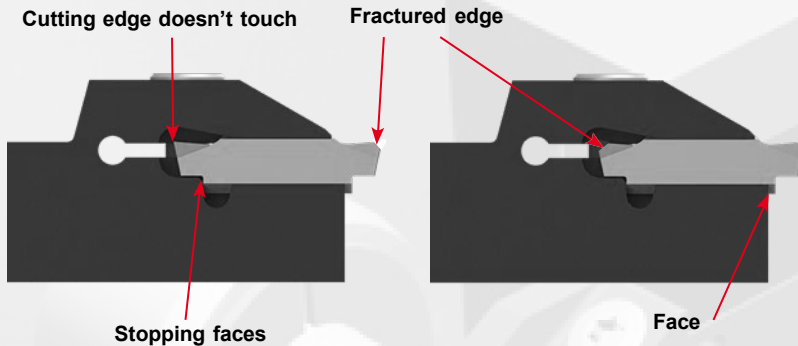
Modular NXPP HEAD – for holder size 16x16

With internal coolant – For parting and grooving inserts Series NXP only!



Reference	B	H1	F	L	L/R	Insert size S ± 0.05	P (Dmax)	Order Code
NXP16.L.15.D12	14	18	6	25	L	1.5	12	NX1020
NXP16.R.15.D12	14	18	6	25	R	1.5	12	NX1021
NXP16.L.15.D20	14	18	6	25	L	1.5	20	
NXP16.R.15.D20	14	18	6	25	R	1.5	20	
NXP16.L.15.D28	14	18	6	25	L	1.5	28	
NXP16.R.15.D28	14	18	6	25	R	1.5	28	
NXP16.L.20.D12	14	18	6	25	L	2	12	
NXP16.R.20.D12	14	18	6	25	R	2	12	
NXP16.L.20.D20	14	18	6	25	L	2	20	
NXP16.R.20.D20	14	18	6	25	R	2	20	
NXP16.L.20.D28	14	18	6	25	L	2	28	
NXP16.R.20.D28	14	18	6	25	R	2	28	
NXP16.L.25.D12	14	18	6	25	L	2.5	12	
NXP16.R.25.D12	14	18	6	25	R	2.5	12	
NXP16.L.25.D20	14	18	6	25	L	2.5	20	
NXP16.R.25.D20	14	18	6	25	R	2.5	20	
NXP16.L.25.D28	14	18	6	25	L	2.5	28	
NXP16.R.25.D28	14	18	6	25	R	2.5	28	
NXP16.L.30.D12	14	18	6	25	L	3	12	
NXP16.R.30.D12	14	18	6	25	R	3	12	
NXP16.L.30.D20	14	18	6	25	L	3	20	
NXP16.R.30.D20	14	18	6	25	R	3	20	
NXP16.L.30.D28	14	18	6	25	L	3	28	
NXP16.R.30.D28	14	18	6	25	R	3	28	

The NXPP Precision system for machining



- Precise repositioning of cutting edge
- No loss! In case of fractured edge, the so far unused edge can be employed.
- Long guide surfaces between insert and pocket achieve a solid unit and therefore lead to a perfect straight run.

Many applications

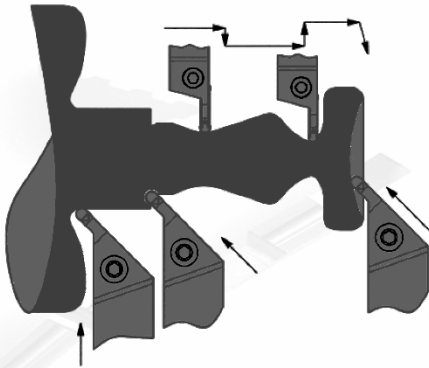
- Short extension
- Easy fixing
- Many applications
- Tailor made inserts available

Recommended application of SNV R/L, copying insert

- Longitudinal turning, semi finishing and finishing
- Semi finishing and finishing face cuts
- Clearance cuts for threads and others



The NXPP Precision system for machining



Grooving and copy turning.

- Full radius inserts for different applications

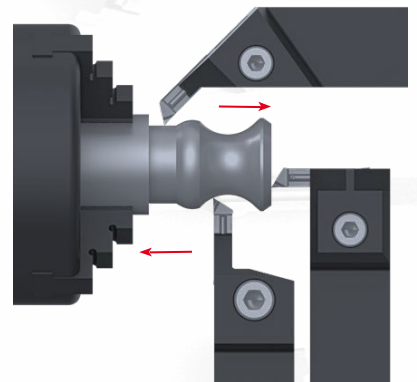
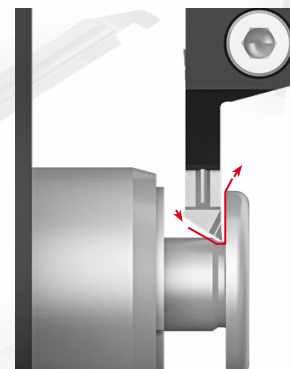
Precision ground DECO-insert:

- cuts easily
- runs quietly
- makes clean faces
- achieves long tool life



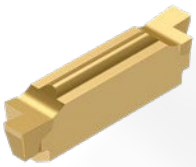
Recommended application of SND R/L, copying insert

- Longitudinal turning semi finishing and finishing
- Semi finishing and finishing face cuts
- Clearance cuts for threads and others



The ONX series

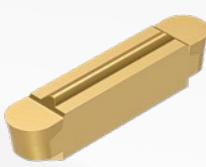
Precision system for machining



ONX...R/L



ONXR...R/L



ONXR...



ONXR...NR

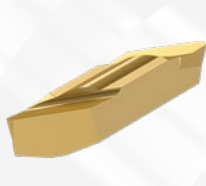
Precision inserts for longitudinal turning



SNV R/L



SND R/L

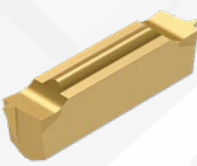


ONX Deco

ISO-threading inserts (external)



ONXER full profile (external)



ONXEIR Partial profile

⇐ **Precision grooving**

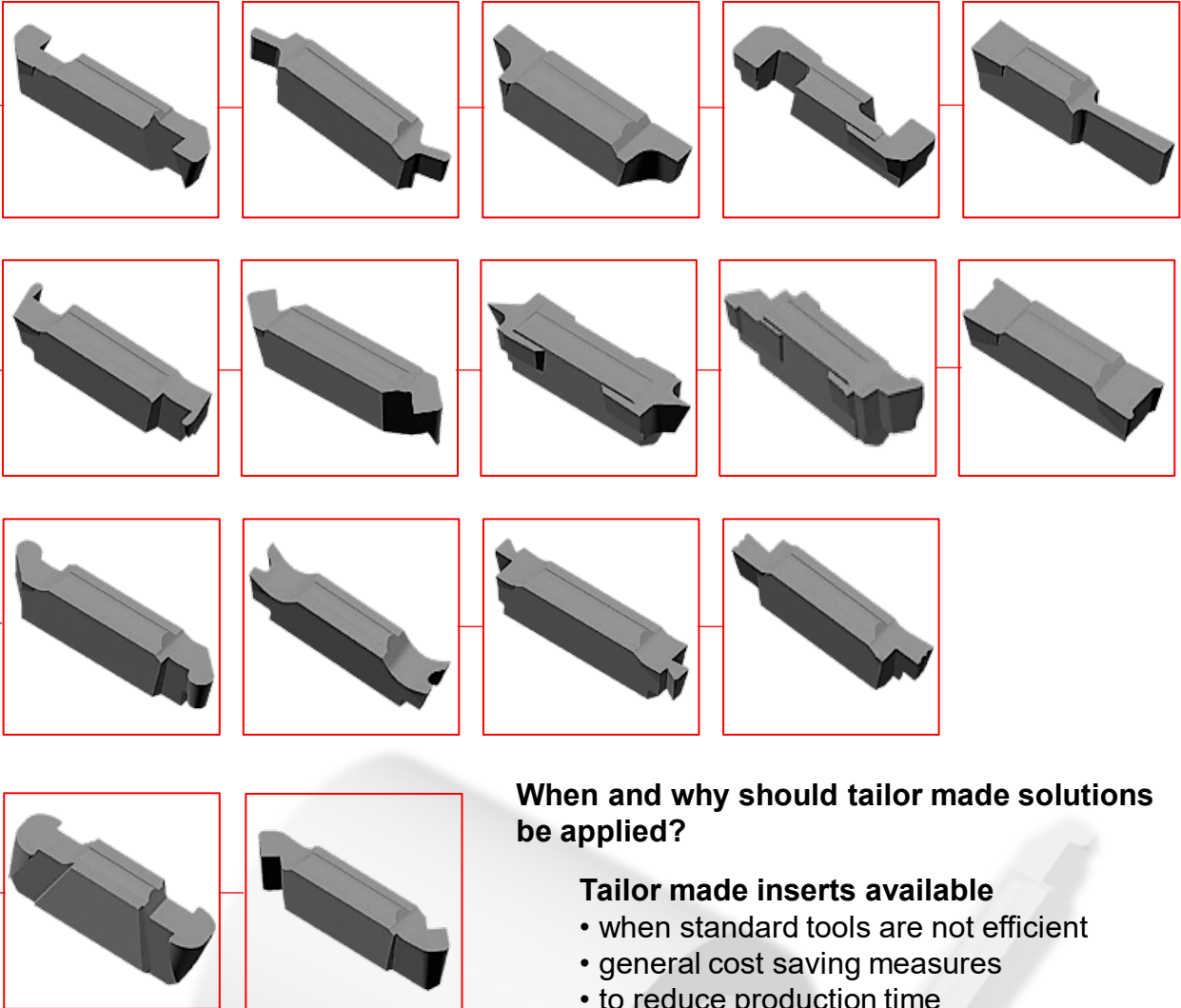
⇐ **Precision threading**

⇐ **Precision copying**

⇐ **Precision turning**

The ONX series

Precision tailor made inserts (many different profiles are possible)



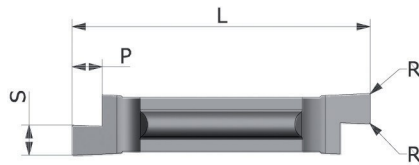
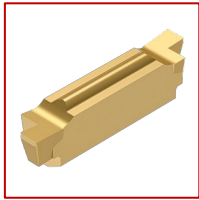
When and why should tailor made solutions be applied?

Tailor made inserts available

- when standard tools are not efficient
- general cost saving measures
- to reduce production time
- to save on tool costs.

Our offer:

- Qualified service
- Specified quotations
- Fair prices
- Production on most advanced machine tools
- Short delivery times



OTX

Einstechplatte
Linkslauf

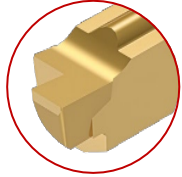


OTX...L

Einstechplatte
Rechtslauf

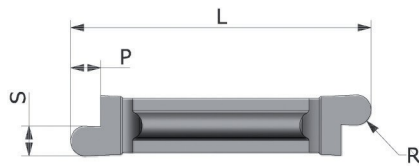
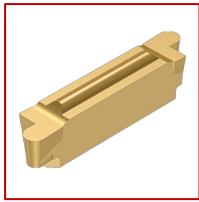


OTX...R



ONX Precision grooving inserts (DIN 471)

K20/125 Ref.	nxKM	nxPMN	nxKMN		$L^{-0.1}$	P	R		SS-10.85
	ID-Nr.	ID-Nr.	ID-Nr.						
ONX 4 050L	14013	12070	18000	L	19,2	1,0	0,05	0,50	0,57
ONX 4 060L	14014	12071	18001	L	19,2	1,0	0,05	0,60	0,67
ONX 4 070L	14015	12072	18002	L	19,2	1,5	0,05	0,70	0,77
ONX 4 080L	14016	12073	18003	L	19,2	1,5	0,05	0,80	0,87
ONX 4 090L	14017	12074	18004	L	19,2	1,5	0,1	0,90	0,97
ONX 4 110L	14018	12075	18005	L	19,2	1,5	0,1	1,10	1,24
ONX 4 130L	14019	12076	18006	L	19,2	1,5	0,1	1,30	1,44
ONX 4 160L	14020	12077	18007	L	19,2	2,0	0,1	1,60	1,74
ONX 4 185L	14021	12078	18008	L	19,2	2,0	0,1	1,85	1,99
ONX 4 215L	14022	12079	18009	L	19,2	2,5	0,1	2,15	2,29
ONX 4 265L	14023	12080	18010	L	19,2	2,5	0,1	2,65	2,79
ONX 4 315L	14024	12081	18011	L	19,2	2,5	0,1	3,15	3,29
ONX 4 050R	14025	12082	18012	R	19,2	1,0	0,05	0,50	0,57
ONX 4 060R	14026	12083	18013	R	19,2	1,0	0,05	0,60	0,67
ONX 4 070R	14027	12084	18014	R	19,2	1,5	0,05	0,70	0,77
ONX 4 080R	14028	12085	18015	R	19,2	1,5	0,05	0,80	0,87
ONX 4 090R	14029	12086	18016	R	19,2	1,5	0,1	0,90	0,97
ONX 4 110R	14030	12087	18017	R	19,2	1,5	0,1	1,10	1,24
ONX 4 130R	14031	12088	18018	R	19,2	1,5	0,1	1,30	1,44
ONX 4 160R	14032	12089	18019	R	19,2	2,0	0,1	1,60	1,74
ONX 4 185R	14033	12090	18020	R	19,2	2,0	0,1	1,85	1,99
ONX 4 215R	14034	12091	18021	R	19,2	2,5	0,1	2,15	2,29
ONX 4 265R	14035	12092	18022	R	19,2	2,5	0,1	2,65	2,79
ONX 4 315R	14036	12093	18023	R	19,2	2,5	0,1	3,15	3,29



OTX..R

Einstechplatte
Linkslauf



OTX..R..L

Einstechplatte
Rechtslauf

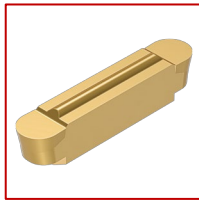


OTX..R..R



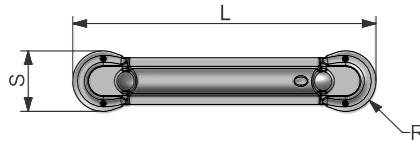
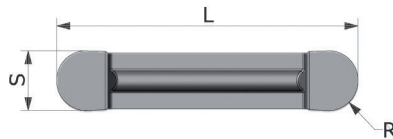
ONX Full radius grooving and copying inserts

K20/126 Ref.	nxKM	nxPMN	nxKMN		$L \pm 0.1$	P	R	S_{max}
	ID-Nr.	ID-Nr.	ID-Nr.					
ONX 4 R 050L	14037	12094	18024	L	19,2	2,0	0,50	1,00
ONX 4 R 075L	14038	12095	18025	L	19,2	2,0	0,75	1,50
ONX 4 R 100L	14039	12096	18026	L	19,2	3,0	1,00	2,00
ONX 4 R 125L	14040	12097	18027	L	19,2	3,0	1,25	2,50
ONX 4 R 150L	14041	12098	18028	L	19,2	3,0	1,50	3,00
ONX 4 R 050R	14042	12099	18029	R	19,2	2,0	0,50	1,00
ONX 4 R 075R	14043	12100	18030	R	19,2	2,0	0,75	1,50
ONX 4 R 100R	14044	12101	18031	R	19,2	3,0	1,00	2,00
ONX 4 R 125R	14045	12102	18032	R	19,2	3,0	1,25	2,50
ONX 4 R 150R	14046	12103	18033	R	19,2	3,0	1,50	3,00



N type

- Superfinishing
- Precision ground full radius inserts with 5° positive top rake angle.



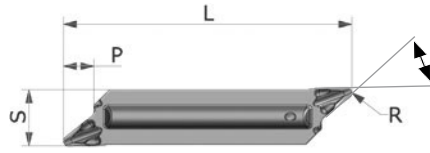
NR type

- Finishing
- Precision ground full radius insert. Horizontal cutting edge with parallel chip breaker.
- Especially recommended for heat resistant alloys.



ONX full radius

K20/127 Ref.	nxKM	nxPMN	nxGF	nxGFN		$L^{-0.1}$	P	R	S
	ID-Nr.	ID-Nr.	ID-Nr.	ID-Nr.					
ONX 4 R 200N	14047	12104			R + L	19,2	11	2,00	$4^{-0.2}$
ONX 4 R 200N R			50004	60024	R + L	20,0	11	2,00	$4^{-0.025}$
ONX 5 R 200N	14048	12105			R + L	23.6	14	2.50	$5^{-0.2}$
ONX 5 R 200N R			50005	60025	R + L	25	14	2.50	$5^{-0.025}$



STV



STV...L



STV...R



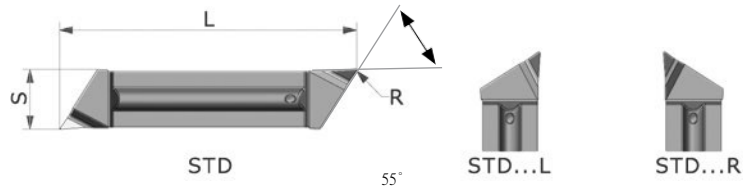
SNV...R/L

K20/128 Ref.	nxKM	nxKM Alu	nxKMH	nxKMT	()	L	Is	R	P	S
	ID-Nr.	ID-Nr.	ID-Nr.	ID-Nr.						
SNVL 5005	80000	90000	19019	80045	L	25.0	2.5	0.05	2.5	5.00
SNVL 501	80001	90001	19020	80046	L	25.0	2.5	0.1	2.5	5.00
SNVL 502	80002	90002	19021	80047	L	25.0	2.5	0.2	2.5	5.00
SNVL 503	80003	90003	19022	80048	L	25.0	2.5	0.3	2.5	5.00
SNVL 504	80004	90004	19023	80049	L	25.0	2.5	0.4	2.5	5.00
SNVR 5005	80005	90005	19024	80050	R	25.0	2.5	0.05	2.5	5.00
SNVR 501	80006	90006	19025	80051	R	25.0	2.5	0.1	2.5	5.00
SNVR 502	80007	90007	19026	80052	R	25.0	2.5	0.2	2.5	5.00
SNVR 503	80008	90008	19027	80053	R	25.0	2.5	0.3	2.5	5.00
SNVR 504	80009	90009	19028	80054	R	25.0	2.5	0.4	2.5	5.00

Comment: STVR/L has been developed to machine materials, which are difficult to cut, like:

- nonferrous heavy metals • composite materials
- nickel alloys • aluminium alloys
- plastic materials

STV/R= polished surfaces, sharp cutting edges



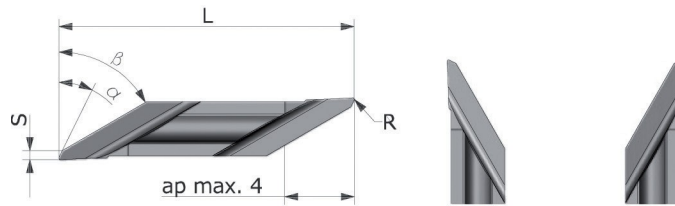
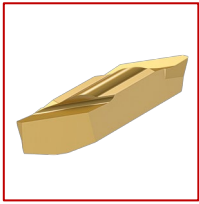
SND...R/L

K20/129 Ref.	nxGFN	nxGFHard	()	() L	R	S
	ID-Nr.	ID-Nr.				
SNDL 5005	60029	12094	L	25	0.05	5
SNDL 501	60030	12095	L	0	0.1	5
SNDL 502	60031	12096	L	0	0.2	5
SNDR 5005	60032	12097	L	0	0.05	5
SNDR 501	60033	12098	L	0	0.1	5
SNDR 502	60034	12099	L	0	0.2	5

Comment: STD R/L has been developed, to machine materials, which are difficult to cut, like:

- nonferrous heavy metals • composite materials
- nickel alloys • aluminum alloys
- plastic materials

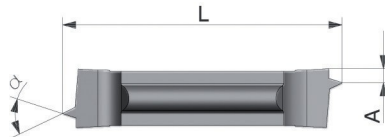
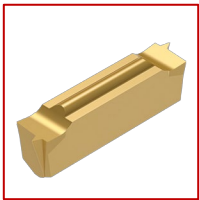
STD L/R= polished surfaces, sharp cutting edges



ONX DECO Decolletage turning insert for sliding-head machine tools

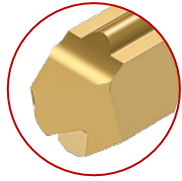
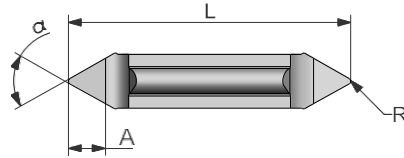
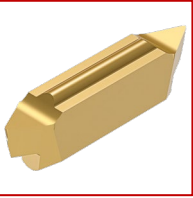
K20/128 Ref.	nxKM ID-Nr.	nxPMN ID-Nr.	()	S	R	α°	β°
ONX 4 DECO SL0660 L01	14048	12105	L	0,6	0,1	15	60
ONX 4 DECO SL1260 L01	14049	12106	L	1,2	0,1	15	60
ONX 4 DECO SL0660 R01	14050	12107	R	0,6	0,1	15	60
ONX 4 DECO SL1260 R01	14051	12108	R	1,2	0,1	15	60
							60
ONX 4 DECO SL0660 L02	14052	12109	L	0,6	0,2	15	60
ONX 4 DECO SL1260 L02	14053	12110	L	1,2	0,2	15	60
ONX 4 DECO SL0660 R02	14054	12111	R	0,6	0,2	15	60
ONX 4 DECO SL1260 R02	14055	12112	R	1,2	0,2	15	60

• Precision ground DECO-insert: • cuts easily • runs quietly • makes clean faces • achieves long tool life



ONX External Threading inserts for ISO full profile

K20/131 Ref.	nxPMN		A	L - 0,1	α°
	ID-Nr.				
ONX 4 ER ISO 100	12113	1,00	0,8	19,20	60
ONX 4 ER ISO 125	12114	1,25	0,8	19,20	60
ONX 4 ER ISO 150	12115	1,50	1,0	19,20	60
ONX 4 ER ISO 175	12116	1,75	1,1	19,20	60
ONX 4 ER ISO 200	12117	2,00	1,4	19,20	60
ONX 4 ER ISO 250	12118	2,50	1,5	19,20	60
ONX 4 ER ISO 300	12119	3,00	1,8	19,20	60
ONX 4 ER 14 W	12120	14 G/Zoll	1,3	19,20	55
ONX 4 ER 11 W	12121	11 G/Zoll	1,5	19,20	55



ONX external threading inserts for partial profile

WG260 Ref.	nxPMN		A	L - 0,1	R	
	ID-Nr.					
ONX 4 EIR 55 28 W	12122	28 - 20 G/Zoll	2,7	19,20	0,10	60
ONX 4 EIR 60 050	12123	0,5 - 1,00	2,7	19,20	0,10	60
ONX 4 EIR 55 19 W	12124	19 - 14 G/Zoll	2,7	19,20	0,20	60
ONX 4 EIR 60 125	12125	1,25 - 1,75	2,7	19,20	0,20	60
ONX 4 EIR 55 12 W	12126	12 - 10 G/Zoll	2,7	19,20	0,30	60
ONX 4 EIR 60 200	12127	2,00 - 3,00	2,7	19,20	0,30	55

Modular NXP HEAD - for holder size 12x12

With internal coolant – For parting and grooving inserts Series NXP only!



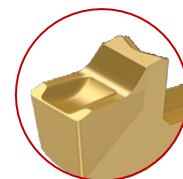
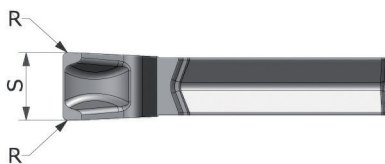
Reference	B	H1	F	L	L/R	Insert size S ± 0.05	P (Dmax)	Order Code
NXP12.L.15.D12	22	16	6	25	L	1.5	12	NX1020
NXP12.R.15.D12	22	16	6	25	R	1.5	12	NX1021
NXP12.L.15.D20	22	16	6	25	L	1.5	20	
NXP12.R.15.D20	22	16	6	25	R	1.5	20	
NXP12.L.15.D28	22	16	6	25	L	1.5	28	
NXP12.R.15.D28	22	16	6	25	R	1.5	28	
NXP12.L.20.D12	22	16	6	25	L	2	12	
NXP12.R.20.D12	22	16	6	25	R	2	12	
NXP12.L.20.D20	22	16	6	25	L	2	20	
NXP12.R.20.D20	22	16	6	25	R	2	20	
NXP12.L.20.D28	22	16	6	25	L	2	28	
NXP12.R.20.D28	22	16	6	25	R	2	28	
NXP12.L.25.D12	22	16	6	25	L	2.5	12	
NXP12.R.25.D12	22	16	6	25	R	2.5	12	
NXP12.L.25.D20	22	16	6	25	L	2.5	20	
NXP12.R.25.D20	22	16	6	25	R	2.5	20	
NXP12.L.25.D28	22	16	6	25	L	2.5	28	
NXP12.R.25.D28	22	16	6	25	R	2.5	28	
NXP12.L.30.D12	22	16	6	25	L	3	12	
NXP12.R.30.D12	22	16	6	25	R	3	12	
NXP12.L.30.D20	22	16	6	25	L	3	20	
NXP12.R.30.D20	22	16	6	25	R	3	20	
NXP12.L.30.D28	22	16	6	25	L	3	28	
NXP12.R.30.D28	22	16	6	25	R	3	28	

Modular NXP HEAD – for holder size 16x16

With internal coolant – For parting and grooving inserts Series NXP only!



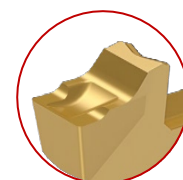
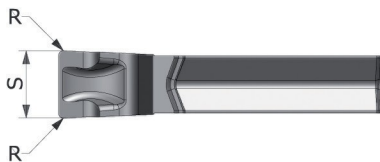
Reference	B	H1	F	L	L/R	Insert size S ± 0.05	P (Dmax)	Order Code
NXP16.L.15.D12	14	18	6	25	L	1.5	12	NX1020
NXP16.R.15.D12	14	18	6	25	R	1.5	12	NX1021
NXP16.L.15.D20	14	18	6	25	L	1.5	20	
NXP16.R.15.D20	14	18	6	25	R	1.5	20	
NXP16.L.15.D28	14	18	6	25	L	1.5	28	
NXP16.R.15.D28	14	18	6	25	R	1.5	28	
NXP16.L.20.D12	14	18	6	25	L	2	12	
NXP16.R.20.D12	14	18	6	25	R	2	12	
NXP16.L.20.D20	14	18	6	25	L	2	20	
NXP16.R.20.D20	14	18	6	25	R	2	20	
NXP16.L.20.D28	14	18	6	25	L	2	28	
NXP16.R.20.D28	14	18	6	25	R	2	28	
NXP16.L.25.D12	14	18	6	25	L	2.5	12	
NXP16.R.25.D12	14	18	6	25	R	2.5	12	
NXP16.L.25.D20	14	18	6	25	L	2.5	20	
NXP16.R.25.D20	14	18	6	25	R	2.5	20	
NXP16.L.25.D28	14	18	6	25	L	2.5	28	
NXP16.R.25.D28	14	18	6	25	R	2.5	28	
NXP16.L.30.D12	14	18	6	25	L	3	12	
NXP16.R.30.D12	14	18	6	25	R	3	12	
NXP16.L.30.D20	14	18	6	25	L	3	20	
NXP16.R.30.D20	14	18	6	25	R	3	20	
NXP16.L.30.D28	14	18	6	25	L	3	28	
NXP16.R.30.D28	14	18	6	25	R	3	28	



IFN

NIFN

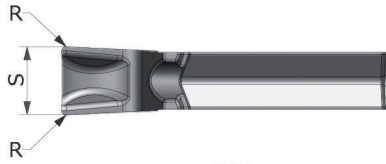
WG0022 Ref.	nxKMT	nxKMN	nxKMH	nxKMC		R	$s \pm 0,05$	α°
	ID-Nr.	ID-Nr.	ID-Nr.	ID-Nr.				
NIFN 2	80037	18034	19000	40070	N	0,2	2,0	0
NIFN 3	80038	18035	19001	40071	N	0,2	3,0	0
NIFL 2 4D	80039	18036	19002	40072	L	0,2	2,0	4
NIFL 3 4D	80040	18037	19003	40073	L	0,2	3,0	4
NIFL 2 8D	80041	18038	19004	40074	L	0,2	2,0	8
NIFL 3 8D	80042	18039	19005	40075	L	0,2	3,0	8
NIFR 2 4D	80043	18040	19006	40076	R	0,2	2,0	4
NIFR 3 4D	80044	18041	19007	40077	R	0,2	3,0	4
NIFR 2 8D	80045	18042	19008	40078	R	0,2	2,0	8
NIFR 3 8D	80046	18043	19009	40079	R	0,2	3,0	8



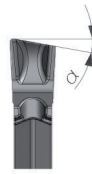
IFN ALU

NIFN ALU

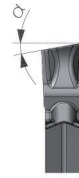
WG0022 Ref.	nxKM	nxKM ALU		R	$s \pm 0,05$	α°
	ID-Nr.	ID-Nr.				
NIFN 2 ALU	14056	15003	N	0,2	2,0	0
NIFN 3 ALU	14057	15004	N	0,2	3,0	0
NIFL 2 4D ALU	14058	15005	L	0,2	2,0	4
NIFL 3 4D ALU	14059	15006	L	0,2	3,0	4
NIFR 2 4D ALU	14060	15007	R	0,2	2,0	4
NIFR 3 4D ALU	14061	15008	R	0,2	3,0	4



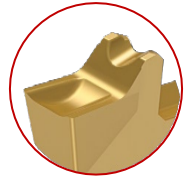
SFN



SFL

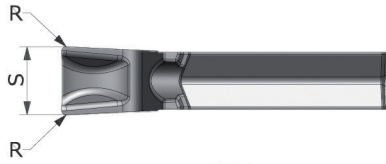


SFR

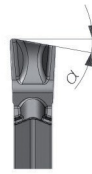


NSFN

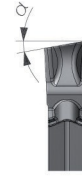
WG0022 Ref.	nxKMT	nxKMN	nxKMH	nxKMC		R	s ±0,05	α°
	ID-Nr.	ID-Nr.	ID-Nr.	ID-Nr.				
NSFN 2	80047	18044	19010	40080	N	0,2	2,0	0
NSFN 3	80048	18045	19011	40081	N	0,2	3,0	0
NSFN 4	80049	18046	19012	40082	N	0,2	4,0	0
NSFL 2 6D	80050	18047	19013	40083	L	0,2	2,0	6
NSFL 3 6D	80051	18048	19014	40084	L	0,2	3,0	6
NSFL 4 6D	80052	18049	19015	40085	L	0,2	4,0	6
NSFR 2 6D	80053	18050	19016	40086	R	0,2	2,0	6
NSFR 3 6D	80054	18051	19017	40087	R	0,2	3,0	6
NSFR 4 6D	80055	18052	19018	40088	R	0,2	4,0	6



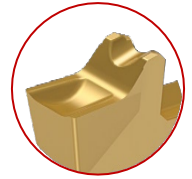
SFN



SFL



SFR



OFQ34

WG0022 Ref.	nxKMT	nxKMN	nxKMH	nxKMC		R	$s \pm 0,05$	α°
	ID-Nr.	ID-Nr.	ID-Nr.	ID-Nr.				
NSFN 2	80047	18044	19010	40080	N	0,2	2,0	0
NSFN 3	80048	18045	19011	40081	N	0,2	3,0	0
NSFN 4	80049	18046	19012	40082	N	0,2	4,0	0
NSFL 2 6D	80050	18047	19013	40083	L	0,2	2,0	6
NSFL 3 6D	80051	18048	19014	40084	L	0,2	3,0	6
NSFL 4 6D	80052	18049	19015	40085	L	0,2	4,0	6
NSFR 2 6D	80053	18050	19016	40086	R	0,2	2,0	6
NSFR 3 6D	80054	18051	19017	40087	R	0,2	3,0	6
NSFR 4 6D	80055	18052	19018	40088	R	0,2	4,0	6

Coatings descriptions

ISO K	coating type	N - coating types Supernitrid			H - coating type Supernitrid			T - coating type Supernitrid		
		Description: This TIN ALOX coating combines extreme hardness with high toughness. Owing to the golden colour of the coating, wearmarks can be identified more easily. Application: tool steels and stainless steels Layer thickness: 3 µm Layer composition: Nanocomposite, TiAlN			Description: Extremely fine and hard layer surface. Especially suitable for machining without coolant and difficult to cut materials. Application: difficult to cut materials and titanium. Layer thickness: 3 µm Layer composition: Nanocomposite, AlTiN			Description: The Tilox coating combines extreme hardness with high toughness and is suitable for a wide range of materials from steel to cast iron. Application: steel, stainless steel and cast iron. Layer thickness: 3 µm Layer composition: Nanocomposite, TiAlN		
Grades		nxFMN	nxGFN	nxKMN	nxKMH			nxFMT	nxGFT	nxKMT
ISO K	coating type	C - coating type Powernitrid			ALU - coating type Borid			Non coated		
		Description: Dense and hard coating layer with low residual stress. Excellent adhesive force and fine smooth surface. Application: low and high alloy steel. Layer thickness: 3 µm Layer composition: Nanocomposite, TiAlCrN			Description: High performance coating for smooth surfaces and easy chip flow. Application: Aluminium, aluminium alloys, Titanium and non ferrous material. Layer thickness: 2 µm Layer composition: Monolayer					
Grades		nxKMC	nxGFC		nxKM Alu	nxGF Alu		nxKM	nxGF	
ISO P	coating type	N - coating type Supernitrid			C - coating type Powernitrid			T - coating type Supernitrid		
		Description: This TIN ALOX coating combines extreme hardness with high toughness. Owing to the golden colour of the coating, wearmarks can be identified more easily. Application: tool steels and stainless steels Layer thickness: 3 µm Layer composition: Nanocomposite, TiAlN			Description: Dense and hard coating layer with low residual stress. Excellent adhesive force and fine smooth surface. Application: low and high alloy steel. Layer thickness: 3 µm Layer composition: Nanocomposite, TiAlCrN			Description: The Tilox coating combines extreme hardness with high toughness and is suitable for a wide range of materials from steel to cast iron. Application: steel, stainless steel and cast iron. Layer thickness: 3 µm Layer composition: Nanocomposite, TiAlN		
Grades		nxPMN			nxPMC			nxPMT		

Hardness range of grades with principle recommendations

Grade	P GRADES				K GRADES			
	Coarse grade Tough grades Wear more fast Low Speed Interrupted cut; insteable machining conditions						Micrograin structure Brittle grades Wear resisting High speed Even cuts; Good machining condition	
Grade hardness	40	35	30	25	20	15	10	5
nxFMN								
nxFMT								
nxGF								
nxGFN								
nxGFT								
nxGFC								
nxGF ALU								
nxKMC								
nxKMT								
nxKM								
nxKMN								
nxKMH								
nxKM ALU								
nxPMT								
nxPMN								
nxPMC								

A practical and safe way to select grades and find appropriate speeds and feeds

Grades	cutting speed Vc m/min	Feed f mm/rev.
	Alloy Steel	
nxFMN	160 → 300	0.1 → 0.3
nxFMT		
nxGFN		
nxKMT		
nxKMC		
nxGFC		
nxKMH		
nxPMN	120 → 240	0.08 → 0.3
	Stainless steel	
nxFMN	60 → 120	0.08 → 0.2
nxFMT		
nxGFN		
nxKMN		
nxKMT		
nxPMN		
nxPMT		

Material code	GRADE	Cutting speed (m/min)						Initial cutting speed
		60	120	160	220	250	300	
P	nxPMT,nxPMC		←→					100
	nxKMT, nxKMC		←→					160
	nxFMT,nxFMC			←→				220
	nxGFT,nxGFC			←→				220

Material code	GRADE	Cutting speed						Initial cutting speed
		150	200	250	600	800	1100	
K	nxKM,nxGFT	←→						150
	nxPMT	←→						150

Material code	GRADE	Cutting speed						Initial cutting speed
		60	100	150	180	200	240	
M	nxPMT,nxPMN		←→					80
	nxKMT, nxKMN		←→					120
	nxFMT,nxFMN			←→				150
	nxGFT,nxGFN			←→				150

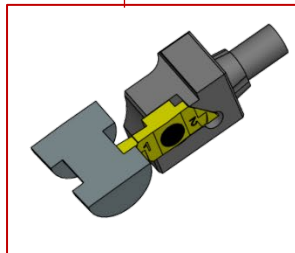
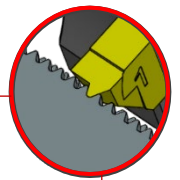
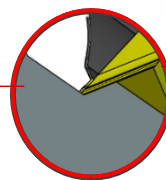
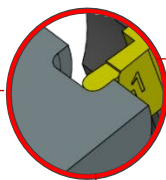
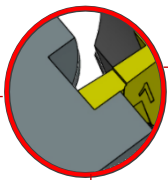
Material code	GRADE	Cutting speed						Initial cutting speed
		150	360	400	450	600	750	
N	nxGFN ,nxGF ALU		←→					360
	nxKMN, nxKM ALU		←→					450

Material code	GRADE	Cutting speed						Initial cutting speed
		15	35	55	75	95	115	
S	nxPMT,nxPMN		←→					30
	nxKMT, nxKMN,nxKMH		←→					45
	nxGFT,nxGFC,nxGFH			←→				60

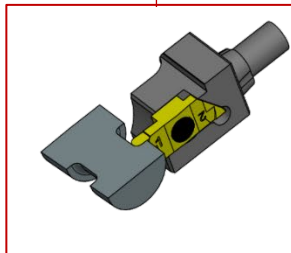
The tool system **NXK** was designed to meet highest expectations in Small Part Machining.

The system provides two-edged indexable cutting inserts and square shank sizes from 12,0x12,0 mm on.

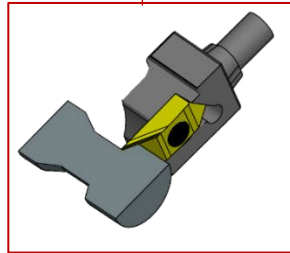
All the major applications are available as standard items providing cutting depths up to 7,0 mm.



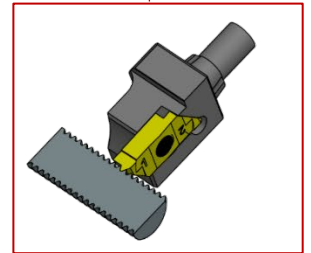
Grooving and Profiling



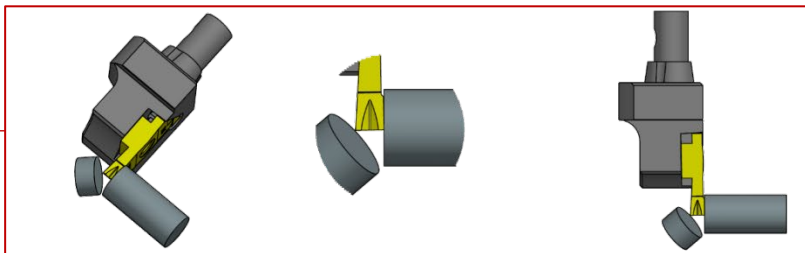
Grooving and Profiling,
Full Radius



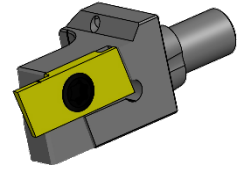
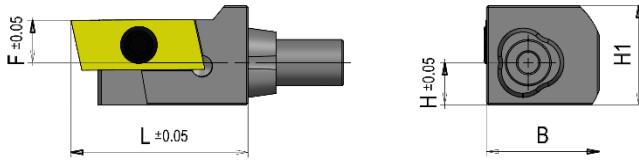
Turning



Threading: Metric ISO,
External, Partial Profile



Parting Off

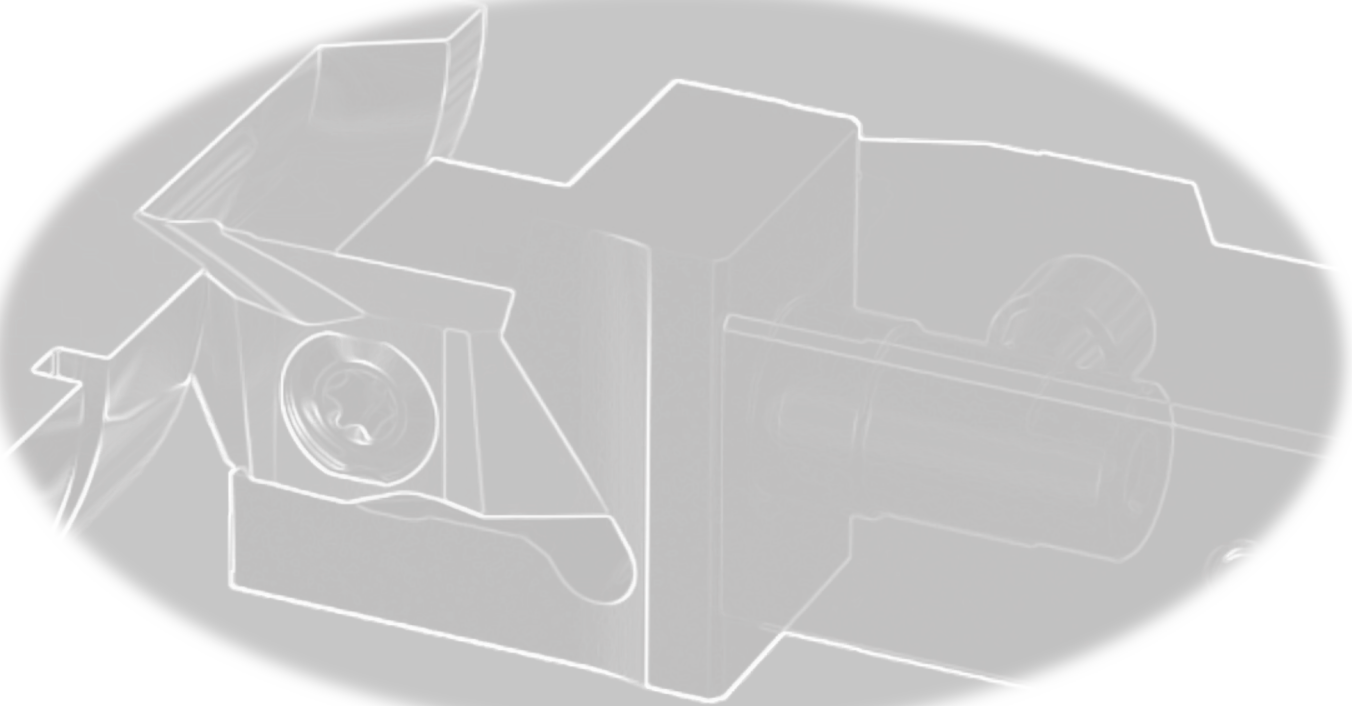


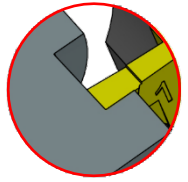
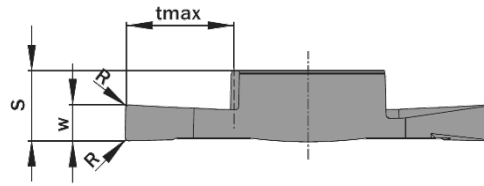
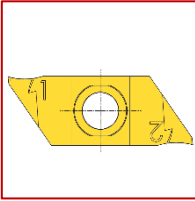
Modular NXK head for holder size 12x12 and 16x16

With internal coolant



Reference Bezeichnung	B	H1	F	L	L/R	Screw	Order code
NXK2.1212.L	14	16	6	25	L	ER11	E11
NXK2.1212.R	14	16	6	25	R	ER16	E17
NXK2.1616.L	18	20	8	25	L	ER25	E25
NXK2.1616.R	18	20	8	25	R	ER32	E32

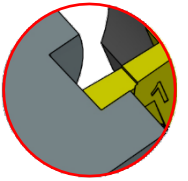
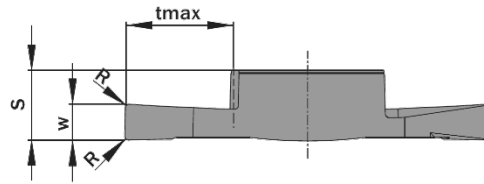
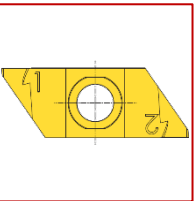




Grooving and Turning

CNC profiling, with general cutting edge geometry for a wide variety of workpiece materials.

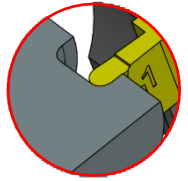
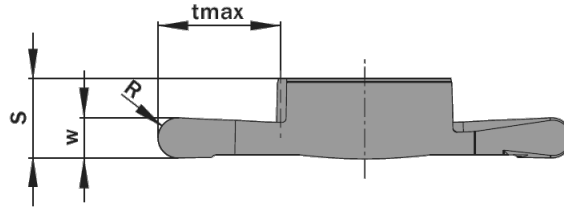
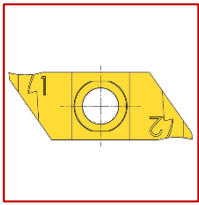
Description	GRADE		GRADE		W±0.02	R	tmax	S
SR21/260	P	K	M	H	S			
	nx9088		nx9048		mm	mm	mm	mm
	L	R	L	R				
NXK .GPR.GN.050.005.R/L	111000	111011	111022	111033	0.5	0.05	2.5	3.8
NXK .GPR.GN.075.005.R/L	111001	111012	111023	111034	0.8	0.05	3.8	3.8
NXK .GPR.GN.100.005.R/L	111002	111013	111024	111035	0.1	0.05	5.0	3.8
NXK .GPR.GN.150.005.R/L	111003	111014	111025	111036	1.5	0.05	4.5	3.85
NXK .GPR.GN.150.020.R/L	111004	111015	111026	111037	1.5	0.20	4.5	3.85
NXK .GPR.GN.200.005.R/L	111005	111016	111027	111038	2.0	0.05	6.0	3.9
NXK .GPR.GN.200.020.R/L	111006	111017	111028	111039	2.0	0.20	6.0	3.9
NXK .GPR.GN.250.010.R/L	111007	111018	111029	111040	2.5	0.10	7.0	3.9
NXK .GPR.GN.250.020.R/L	111008	111019	111030	111041	2.5	0.20	7.0	3.9
NXK .GPR.GN.300.010.R/L	111009	111020	111031	111042	3.0	0.10	7.0	3.9
NXK .GPR.GN.300.020.R/L	111010	111021	111032	111043	3.0	0.20	7.0	3.9



Grooving and Turning

CNC Profiling, with special cutting edge geometry for brass, copper-based alloys and short-chipping materials.

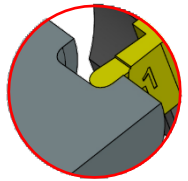
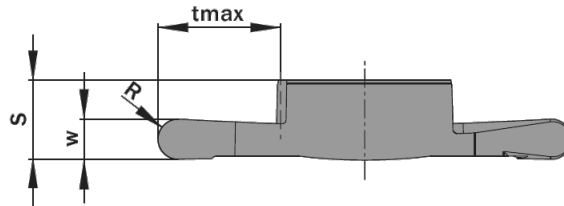
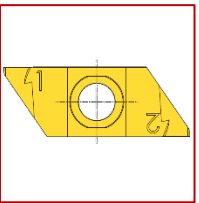
Description	GRADE		GRADE		W±0.02	R	tmax	S
SR21/261	P	K	M	H	S			
	nx9088		nx9048		mm	mm	mm	mm
	L	R	L	R				
NXK .GPR.GN.050.005.R/L	111044	111055	111066	111077	0.5	0.05	2.5	3.8
NXK .GPR.GN.075.005.R/L	111045	111056	111067	111078	0.8	0.05	3.8	3.8
NXK .GPR.GN.100.005.R/L	111046	111057	111068	111079	0.1	0.05	5.0	3.8
NXK .GPR.GN.150.005.R/L	111047	111058	111069	111080	1.5	0.05	4.5	3.85
NXK .GPR.GN.150.020.R/L	111048	111059	111070	111081	1.5	0.20	4.5	3.85
NXK .GPR.GN.200.005.R/L	111049	111060	111071	111082	2.0	0.05	6.0	3.9
NXK .GPR.GN.200.020.R/L	111050	111061	111072	111083	2.0	0.20	6.0	3.9
NXK .GPR.GN.250.010.R/L	111051	111062	111073	111084	2.5	0.10	7.0	3.9
NXK .GPR.GN.250.020.R/L	111052	111063	111074	111085	2.5	0.20	7.0	3.9
NXK .GPR.GN.300.010.R/L	111053	111064	111075	111086	3.0	0.10	7.0	3.9
NXK .GPR.GN.300.020.R/L	111054	111065	111076	111087	3.0	0.20	7.0	3.9



Grooving and Profiling, Full Radius

Full radius, CNC profiling. Special cutting edge geometry for brass, copper-base alloys and short-chipping materials.

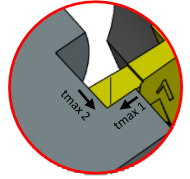
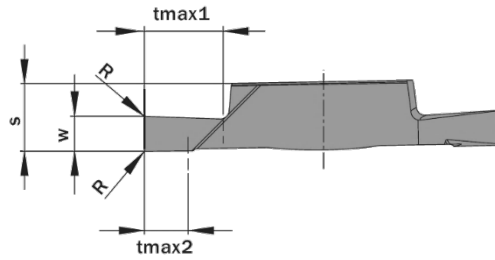
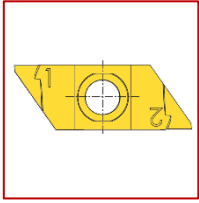
Description	GRADE		GRADE		W±0.02	R	tmax	S
SR21/262	P	K	M	H	S			
	nx9088		nx9048		mm	mm	mm	mm
	L	R	L	R				
NXK.FR.SP.100.050.030 R/L	111088	111092	111096	111100	1.0	0.50	3.0	3.87
NXK.FR.SP.120.060.036 R/L	111089	111093	111097	111101	1.2	0.60	3.6	3.92
NXK.FR.SP.160.080.048 R/L	111090	111094	111098	111102	1.6	0.80	4.8	3.92
NXK.FR.SP.200.100.060 R/L	111091	111095	111099	111103	2.0	1.00	6.0	3.92



Grooving and Profiling, Full Radius

Full radius, CNC profiling. With general cutting edge geometry for a wide variety of workpiece materials.

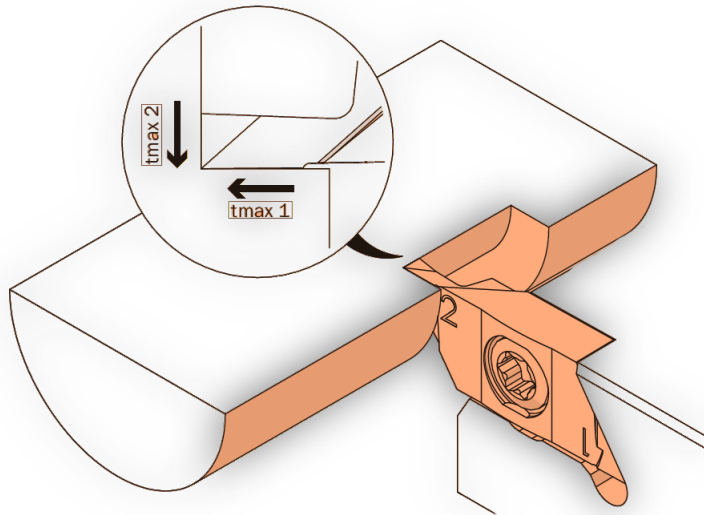
Description	GRADE		GRADE		W±0.02	R	tmax	S
SR21/263	P	K	M	H	S			
	nx9088		nx9048		mm	mm	mm	mm
	L	R	L	R				
NXK.FR.GN.100.050.030 R/L	111104	111108	111112	111116	1.0	0.50	3.0	3.87
NXK.FR.GN.120.060.036 R/L	111105	111109	111113	111117	1.2	0.60	3.6	3.92
NXK.FR.GN.160.080.048 R/L	111106	111110	111114	111118	1.6	0.80	4.8	3.92
NXK.FR.GN.200.100.060 R/L	111107	111111	111115	111119	2.0	1.00	6.0	3.92

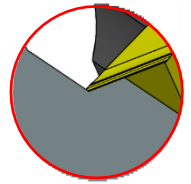
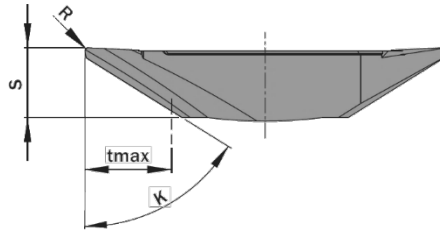
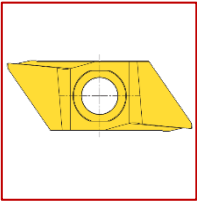


Grooving and Turning

The ground geometry of two cutting edges, that are directly on the rotation centre, ensure highest precision for grooving and turning applications with one tool. Optimum chip removal leads to high surface quality.

Description	GRADE		GRADE		W±0.02	R	tmax 1	tmax 2	S
SR21/265	P	K	M	H	S				
	nx9088		nx9048		mm	mm	mm	mm	mm
	L	R	L	R					
NXK.GT.GN.R100.000 R	-	111120	-	111127	1.0	-	2.50	2.5	3.8
NXK.GT.GN.R100.005 R	-	111121	-	111128	1.0	0.05	2.50	2.5	3.8
NXK.GT.GN.R150.005 R	-	111122	-	111129	1.5	0.05	3.75	2.5	3.8
NXK.GT.GN.R150.010 R	-	111123	-	111130	1.5	0.10	3.75	2.5	3.8
NXK.GT.GN.R200.005 R	-	111124	-	111131	2.0	0.05	4.50	2.5	3.8
NXK.GT.GN.R200.010 R	-	111125	-	111132	2.0	0.10	4.50	2.5	3.8
NXK.GT.GN.R200.020 R	-	111126	-	111133	2.0	0.20	4.50	2.5	3.8

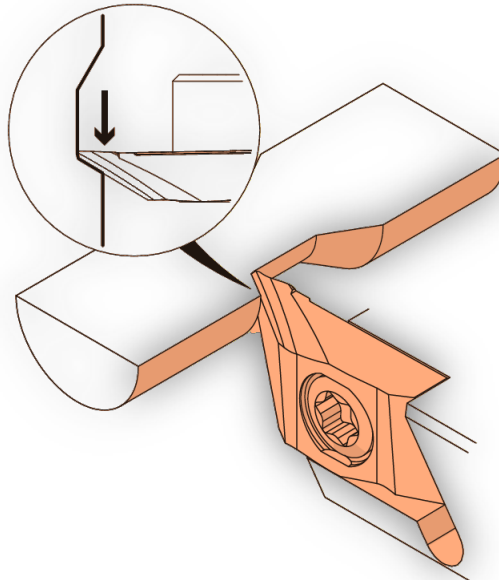


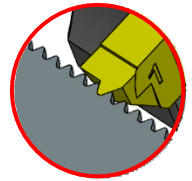
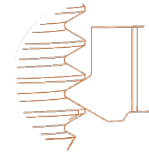
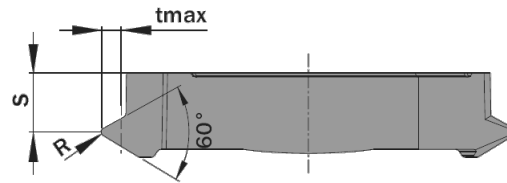
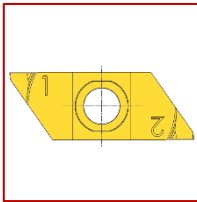


Turning

For turning as well as for back turning „behind shoulder“.

Description	GRADE		GRADE		K	R	tmax	-	S
SR21/266	P	K	M	H	S				
	nx9088		nx9048		deg	mm	mm	-	mm
	L	R	L	R					
NXK.T.GN.059.05.05 R/L	111134	111138	111142	111146	59'	0.05	5.00	-	3.95
NXK.T.GN.059.05.10 R/L	111135	111139	111143	111147	59'	0.10	5.00	-	3.95
NXK.T.GN.059.05.20 R/L	111136	111140	111144	111148	59'	0.20	5.00	-	3.95
NXK.T.GN.059.05.40 R/L	111137	111141	111145	111149	59'	0.40	5.00	-	3.95

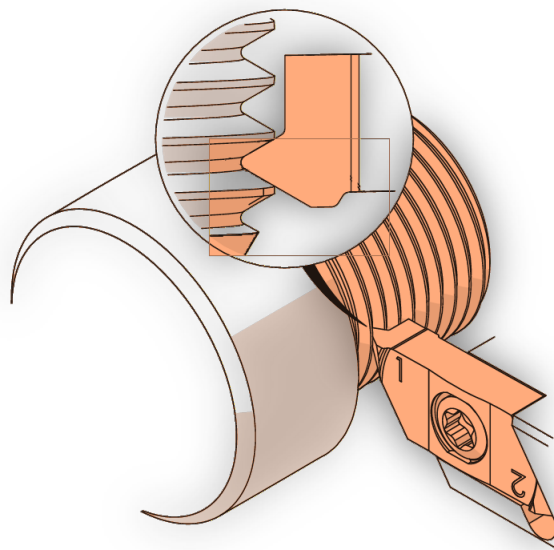


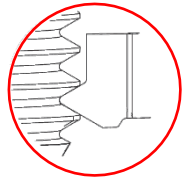
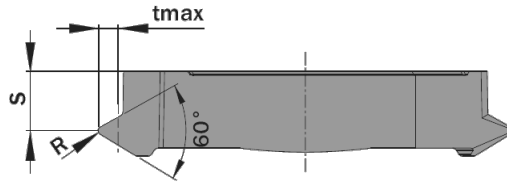
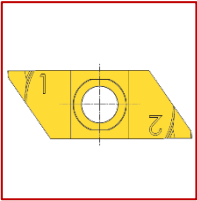


Threading, Metr. ISO, External, Partial Profile

Multi-purpose tools, usable for different pitches. Special cutting edge geometry for brass, copper-base alloys and short-chipping materials.

Description	GRADE		GRADE		PITCH (AS OF)	PITCH (UP TO)	R	tmax	S
SR21/267	P	K	M	H	S				
	nx9088		nx9048		mm	mm	mm	mm	mm
	L	R	L	R					
NXK.ET.PP.025.005.R/L	111150	111160	111170	111180	0.25	0.45	0.04	0.3	3.4
NXK.ET.PP.035.005 R/L	111151	111161	111171	111181	0.4	0.6	0.06	0.4	3.3
NXK.ET.PP.040.005 R/L	111152	111162	111172	111182	0.5	0.75	0.07	0.5	3.2
NXK.ET.PP.045.005 R/L	111153	111163	111173	111183	0.7	1	0.1	0.7	3.1
NXK.ET.PP.050.005 R/L	111154	111164	111174	111184	0.8	1.25	0.12	0.8	3.1
NXK.ET.PP.075.005 R/L	111155	111165	111175	111185	1	1.5	0.14	1	3.0
NXK.ET.PP.075.005 R/L	111156	111166	111176	111186	1.25	1.75	0.18	1.1	2.9
NXK.ET.PP.080.005 R/L	111157	111167	111177	111187	1.5	2	0.22	1.3	2.8
NXK.ET.PP.100.005 R/L	111158	111168	111178	111188	1.75	2.5	0.25	1.6	2.7
NXK.ET.PP.125.005 R/L	111159	111169	111179	111189	2	2.5	0.29	1.6	2.6

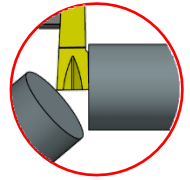
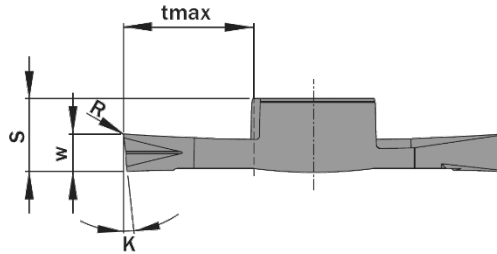
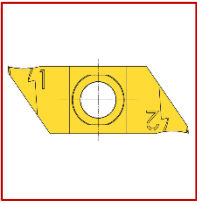




Threading, Metr. ISO, External, Full Profile

For a complete thread profile with correct depth, top radius and bottom radius. Special cutting edge geometry for brass, copper-base alloys and short-chipping materials.

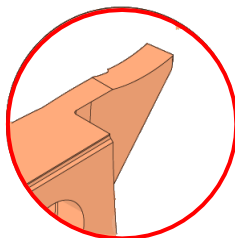
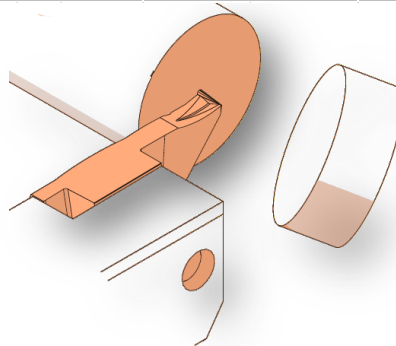
Description	GRADE		GRADE		h3	PITCH (AS OF)	R
SR21/268	P	K	M	H	S		
	nx9088		nx9048		mm	mm	mm
	L	R	L	R			
NXK.ET.PP.025.005 R/L	111190	111205	111220	111235	0.15	0.25	0.04
NXK.ET.PP.035.005 R/L	111191	111206	111221	111236	0.22	0.35	0.05
NXK.ET.FP.040.005 R/L	111192	111207	111222	111237	0.25	0.4	0.06
NXK.ET.FP.045.005 R/L	111193	111208	111223	111238	0.28	0.45	0.07
NXK.ET.FP.050.005 R/L	111194	111209	111224	111239	0.31	0.5	0.07
NXK.ET.FP.070.005 R/L	111195	111210	111225	111240	0.43	0.7	0.1
NXK.ET.FP.075.005 R/L	111196	111211	111226	111241	0.46	0.75	0.11
NXK.ET.FP.080.005 R/L	111197	111212	111227	111242	0.49	0.8	0.11
NXK.ET.FP.100.005 R/L	111198	111213	111228	111243	0.61	1.0	0.12
NXK.ET.FP.125.005 R/L	111199	111214	111229	111244	0.77	1.25	0.15
NXK.ET.FP.150.005 R/L	111200	111215	111230	111245	0.92	1.5	0.2
NXK.ET.FP.175.005 R/L	111201	111216	111231	111246	1.07	1.75	0.25
NXK.ET.FP.200.005 R/L	111202	111217	111232	111247	1.23	2.0	0.25
NXK.ET.FP.250.005 R/L	111203	111218	111233	111248	1.53	2.5	0.35



Parting Off

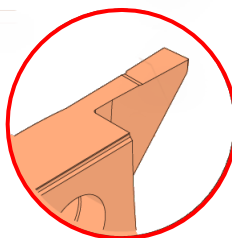
Available in different angles, widths and with/without ground chip form channel.

Description	GRADE		GRADE			With chip form channel	W±0.05	k	R	tmax	S
SR21/269	P	K	M	H	S	YES/NO	mm	deg	mm	mm	mm
	nx9088		nx9048								
	R		R								
NXK.PO.R100.06.005PS R	111250		111265			no	1.00	6°	0.05	4.0	3.8
NXK.PO.R100.06.005PT R	111251		111266			yes	1.00	6°	0.05	4.0	3.8
NXK.PO.R100.06.005PU R	111252		111267			no	1.00	6°	0.05	4.0	3.8
NXK.PO.R100.12.005PS R	111253		111268			no	1.00	12°	0.05	4.0	3.8
NXK.PO.R100.12.005PT R	111254		111269			yes	1.00	12°	0.05	4.0	3.8
NXK.PO.R100.06.005PU R	111255		111270			no	1.00	12°	0.05	4.0	3.8
NXK.PO.R150.06.005PS R	111256		111271			no	1.50	6°	0.05	6.0	3.8
NXK.PO.R150.06.005PT R	111257		111272			yes	1.50	6°	0.05	6.0	3.8
NXK.PO.R150.06.005PU R	111258		111273			no	1.50	6°	0.05	6.0	3.8
NXK.PO.R150.12.005PS R	111259		111274			no	1.50	12°	0.05	6.0	3.8
NXK.PO.R150.12.005PT R	111260		111275			yes	1.50	12°	0.05	6.0	3.8
NXK.PO.R150.12.005PU R	111261		111276			no	1.50	12°	0.05	6.0	3.8
NXK.PO.R200.06.005PT R	111262		111277			yes	2.00	6°	0.05	7.0	3.9
NXK.PO.R200.12.005PS R	111263		111278			no	2.00	12°	0.05	7.0	3.9
NXK.PO.R200.12.005PT R	111264		111279			yes	2.00	12°	0.05	7.0	3.9



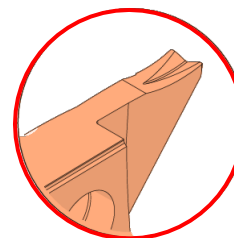
PS geometry.

For a wide variety of workpieces materials.



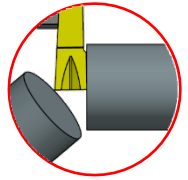
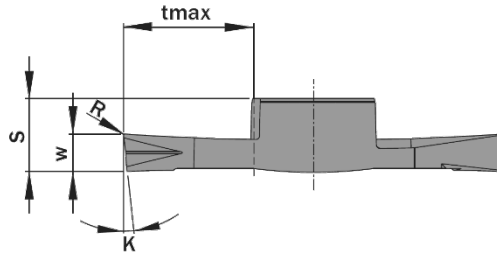
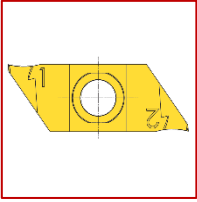
PU geometry.

For brass, cooper-based alloys and short chipping materials..



PT geometry.

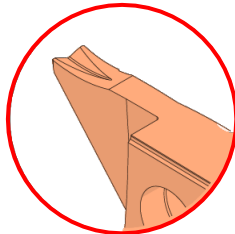
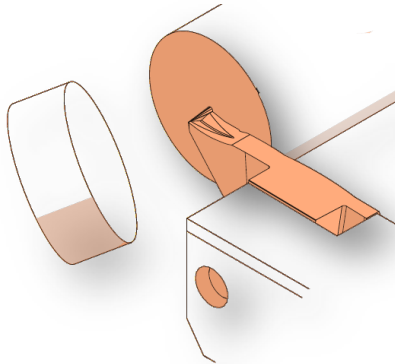
For a wide variety of materials. As well as for long-chipping materials especially and high cutting depth.



Parting Off

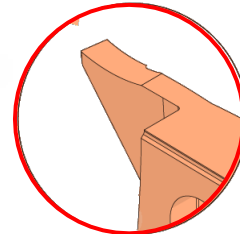
Available in different widths and with/without ground chip form channel.

Description	GRADE		GRADE			With chip form channel	W±0.05	k	R	tmax	S
SR21/270	P	K	M	H	S	YES/NO	mm	deg	mm	mm	mm
	nx9088		nx9048								
	R		R								
NXK.PO.R100.06.005PT L	111280		111284			yes	1.00	6°	0.05	4.0	3.8
NXK.PO.R100.12.005PS L	111281		111285			no	1.00	12°	0.05	4.0	3.8
NXK.PO.R150.06.005PT L	111282		111286			yes	1.50	6°	0.05	6.0	3.85
NXK.PO.R150.12.005PS L	111283		111287			no	1.50	12°	0.05	6.0	3.85



PT geometry.

For a wide variety of materials. As well as for long-chipping materials especially and high cutting depth.



PS geometry.

For a wide variety of workpieces materials.

Cutting speed recommendation

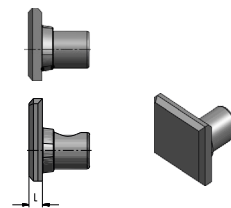
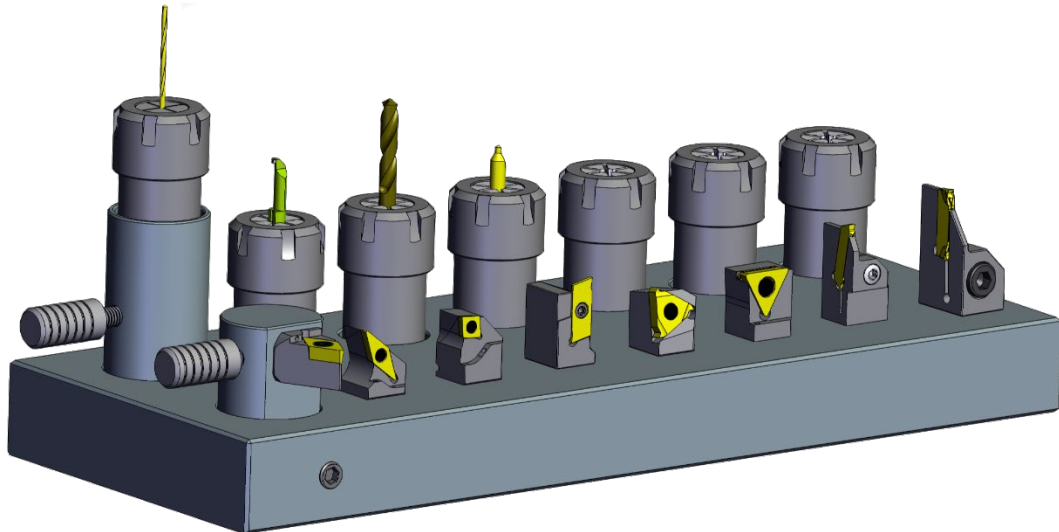
ISO GRADE	Grade	Work piece material	Sub-group	Alternative Grade	Vc m/min (start)
P	nx9080 nx9082 nx9084 nx9088	Steel, unalloyed	≤ 0.15% C	nx9040/nx9060	210
			0.15 - 0.4 % C	nx9040/nx9060	190
			≥ 0.4 % C	nx9040/nx9060	180
		Steel, low alloyed alloying elements ≤ 5%	Non hardened	nx9040/nx9061	170
			Hardened	nx9040/nx9062	100
		Steel, high alloyed alloying elements > 5%	Annealed	nx9040/nx9063	110
			Hardened	nx9040/nx9064	90
		Casting	Unalloyed	nx9040/nx9064	150
			Low alloyed, alloying elements ≤ 5%	nx9040/nx9065	120
			High alloyed, alloying elements > 5%	nx9040/nx9066	90

ISO GRADE	Grade	Work piece material	Sub-group	Alternative Grade	Vc m/min (Start)
M	nx9040 nx9042 nx9044 nx9048 nx9060 nx9062 nx9064 nx9068	Stainless steel Ferritic/Martensitic	Non hardened		150
			PH-hardened		110
			Hardened		110
		Stainless steel Austenitic	Austenitic		140
			PH-hardened		100
			Super Austenitic		110
		Stainless steel Austenitic - Ferritic(Dulpex)	Non-weldable ≥ 0.05%C		120
			Weldable < 0.05% C		100
		Stainless steel (Cast) Ferritic/Martensitic	Non hardened		130
			PH-hardened		90
			Hardened		100
		Stainless steel (Cast) Austenitic	Austenitic		130
			PH-hardened		90
		Stainless steel (Cast) Austenitic - Ferritic(Dulpex)	Non-weldable ≥ 0.05%C		110
			Weldable < 0.05% C		90

Cutting speed recommendation

ISO GRADE	Grade	Work piece material	Sub-group	Alternative Grade	Vc m/min (Start)
K	nx9080 nx9082 nx9084 nx9088	Malleable	Ferritic (short chipping)		180
			Pearlitic (long chipping)		150
		Grey Cast Iron	Low tensile strength		180
			High tensile strength		150
		Spheroidal Graphite Cast Iron	Ferritic		120
			Pearlitic		110
			Martensitic		110

ISO GRADE	Grade	Work piece material	Sub-group	Alternative Grade	Vc m/min (Start)
N	nx9040 nx9042 nx9044 nx9048 nx9060 nx9062 nx9064 nx9068	Aluminium Alloys, Whrought	Can not be hardened		590
			Can be hardened		530
		Aluminium Alloys, Cast	Can not be hardened		590
			Can be hardened		530
		Aluminium Alloys, Cast	< 5% Si		240
			5-12% Si		240
			> 12% Si		180
		Copper and Copper Alloys	Free cutting alloys ≥1% Pb		290
			Brass, leaded bronzes ≤1% Pb		290
			Bronze, lead-free and electrolytic copper		210



Blind plugs for shanks

Reference	Bezeichnung		D1	L	TYPE		HOLDER TYPE	Ersatzteile/ Spareparts
	NX1212.CP.SQ3							M8x1
	NX1616.CP.SQ3							M8x1
	NX08.CP.RD4							M8x1
	NX10.CP.RD4							M8x1

Precision where you need it most without the hassle of electric or air connections and specific support tables



The NXP368M is an extremely precise and solid presetter. It makes measuring tool radius/diameter and height extremely easy

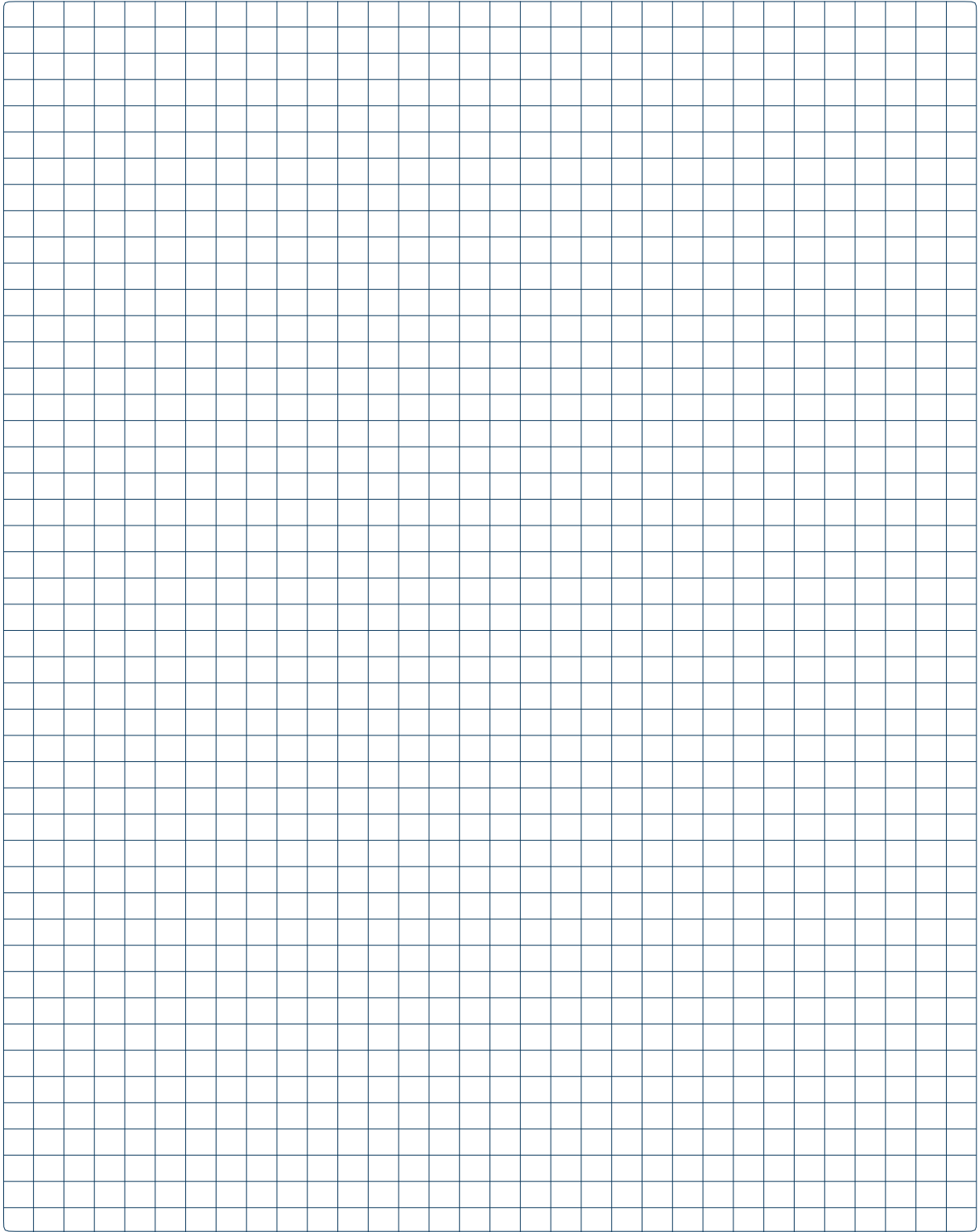
The high resistance steel base and the battery operated display allow the NXP368M to be placed anywhere with maximum flexibility.

It is supplied with interchangeable tool sleeves and can measure different tools always with maximum precision.



Series
NXP368M

Order number set complete
NXP368M z=300mm/z=400mm/z=600 and XM





CONTACTS

