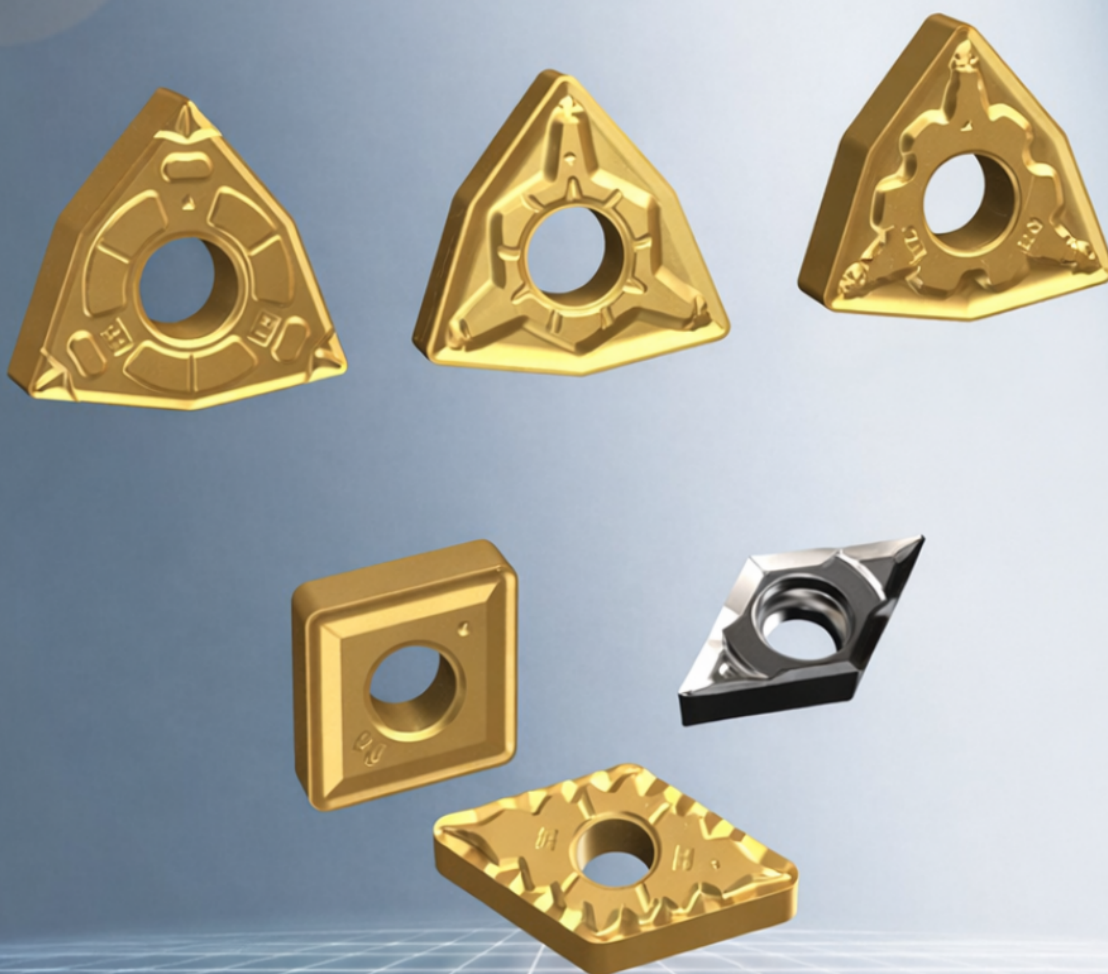


POWER

CARBIDE INSERTS SERIES

- Rich chip breaker designs, equipped with cutting edge performance and blade strength;
- Various coating advantages, effective for processing alloy tool steel/non-ferrous steel/cast iron and hardened tool materials.



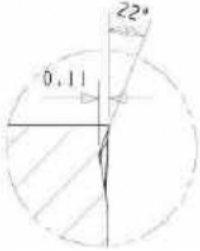
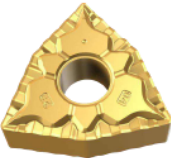
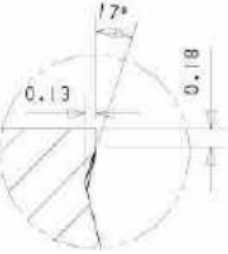
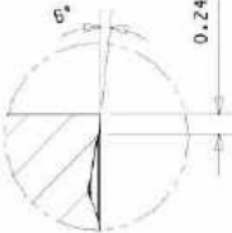
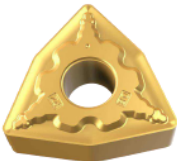
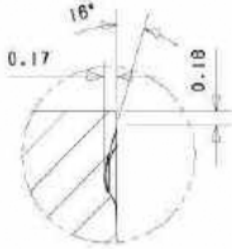
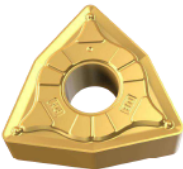
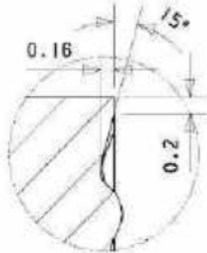
Material Specification Table



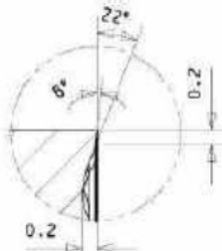
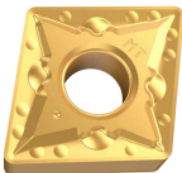
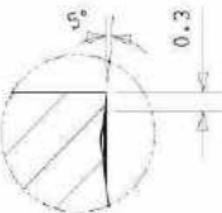
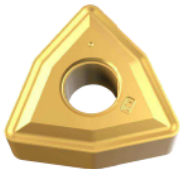
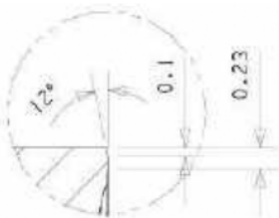
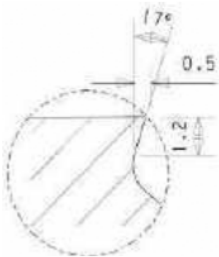
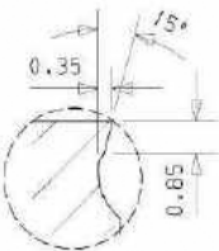
Workpiece Material	P: Steel		M : Stainless Steel	K: Cast Iron
	N: Non-ferrous Metals		S: Heat-resistant Alloy	H: Hard Materials
Grade	ISO		Description	
CT5215	P10	— P25	Bimetallic CVD Coating: Continuous to Light Intermittent Processing of Materials such as Carbon Steel and Alloy Steel	
CT5225	P15	— P30	Bimetallic CVD Coating: Suitable for Various Machining Applications of Steel Materials	
CT5415	P10	— P20	Black CVD Coating: Continuous to Light Intermittent Processing of Materials such as Carbon Steel and Alloy Steel	
CT5425	P20	— P30	Black CVD Coating: Suitable for Various Machining Applications, the Preferred Choice for Steel Component Processing	
CT7415	K10	— K25	Suitable for High-Speed Machining of Cast Iron	
CT7425	K15	— K30	Best for High-Speed Machining of Cast Iron	
CT8520	M10	— M30	High Toughness Ultra-Fine Hard Alloy Substrate, Paired with Wear-Resistant Nano Composite PVD Coating, Suitable for Continuous and Light Intermittent Processing of Stainless Steel	
CT8320	M15	— M40	High Toughness Ultra-Fine Hard Alloy Substrate, Paired with Tough Nano Composite PVD Coating, Suitable for General Machining of Stainless Steel	
CT101	K05	— K15	Non-Coated Alloy, Suitable for General Turning of Aluminum Alloys, Copper Alloys, and Non-Ferrous Metals	
	N05	— N15		
	S05	— S15		

Groove Type Description

Negative Inserts: Chip Break Slot Names and Geometric Angles

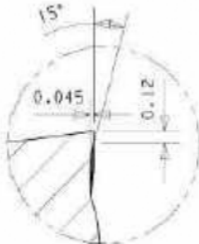
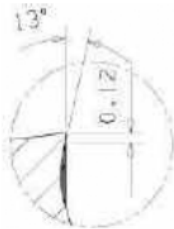
Negative Inserts			Applications and Features
SF			• Precision to Semi-Finishing of Steel and Stainless Steel • Good Chip Removal at Low Feed Rates and Shallow Cutting Depths • Excellent Chip Control Capability
PF			• Excellent Overall Performance of Edge Strength and Sharpness • Used for Semi-Finishing to Medium Machining of Steel and Alloy Steel • Curved Cutting Edge Design for Smooth Chip Removal and Good Chip Control
TM			• Medium Machining Slot Type for Steel Components • Sharpness with Low Cutting Resistance • Universal Chip Break Slot with a Wide Range of Chip Removal Applications
PZ			• Medium Machining Slot Type for Steel Components • Radius Edge Treatment for Balance Cutting Effect and Edge Strength, Offering Excellent Overall Performance • Good Chip Breaking Performance During Medium Machining
PM			• Medium Coarse Machining Slot Type for Steel Components • Negative Chamfer Design to Enhance Edge Strength and Impact Resistance • Dual Chip Break Platform Design to Expand Chip Breaking Range

Groove Type Description

Negative Inserts: Chip breaker Name and Geometry			Applications and Features
MA			- Moderate loading of stainless steel, mild steel, hard-to-cut materials slot type; - The cutting edge is sharp and takes into account a certain strength, with Good impact resistance; - Long cutting life.
MT			- Medium machining groove for steel and stainless steel. - Positive rake angle design, combining sharpness and edge strength for overall excellent performance.
General Groove			- General groove type for machining cast iron. - Good edge strength and versatility.
R/L -VF			- Reduce vibration. - Suitable for machining long shaft parts. - Large rake angle reduces cutting resistance.
R/L -FS			- Medium machining of steel parts. - Effectively controls cutting resistance with good sharpness.

Groove Type Description

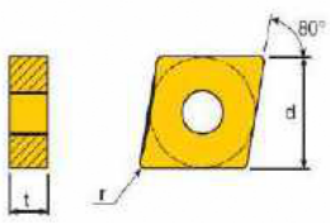
Positive Inserts: Chip breaker Designation and Geometry

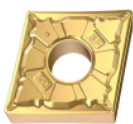
Positive Inserts			Applications and Features
PC			• Medium semi-finish groove type for steel parts. • Compact chip groove combines sharpness and low cutting resistance. • Good chip removal during medium machining.
MT			• Medium machining groove type for steel parts. • Combines cutting effectiveness of the cutting edge with edge strength. • Preferred groove type for medium machining.

CNMG



Negative 80° Diamond-shaped Inserts.

	Cutting Edge Length	Dimension (mm)		
		d	t	r
	12	12.7	4.76	0.1-1.6

	Model		Feed (mm/rev)	Cut. Depth (mm)	P				M/S		K		N
					CT5215	CT5225	CT5415	CT5425	CT8520	CT8320	CT7415	CT7425	CT101
 Finishing	CNMG	120404 SF	0.05-0.30	0.2-2.5			●	○					
		120408 SF	0.08-0.35	0.3-2.5			●	○					
 Finishing	CNMG	120408 PF	0.10-0.40	0.5-4.0	○	●	○	●					
 Medium machining	CNMG	120404 MT	0.17-0.55	1.2-5.0	○	●	○	●					
		120408 MT	0.17-0.55	1.2-5.0	○	●	○	●					
 Medium machining	CNMG	120404 MA	0.10-0.50	0.5-5.0					●	●			
		120408 MA	0.13-0.50	0.5-5.0					●	●			
		120412 MA	0.15-0.55	0.5-5.0					●	●			
 Medium machining	CNMG	120408	0.23-0.60	1.2-5.0							○	●	
		120412	0.25-0.60	2.0-5.0							○	●	

● The stock status for the corresponding tool holder is currently unavailable. For inventory details, please call for inquiry.

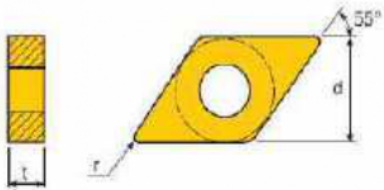
● Recommended grades
○ Optional grades

E23

DNMG



Negative 55° Diamond-shaped Inserts.

	Cutting Edge Length	Dimension (mm)		
		d	t	r
	15	12.7	4.76-6.35	0.1-1.2

	Model		Feed (mm/rev)	Cut. Depth (mm)	P				M/S		K		N
					CT5215	CT5225	CT5415	CT5425	CT8520	CT8320	CT7415	CT7425	CT101
 Finishing	DNMG	150408 PF	0.10-0.40	0.5-4.0	○	●	○	●					
		150412 PF	0.10-0.40	0.5-4.0	○	●	○	●					
 Medium machining	DNMG	150404 MT	0.17-0.50	1.0-4.0		●		●					
		150408 MT	0.17-0.50	1.0-4.0		●		●					
 Medium machining	DNMG	150412 PM	0.17-0.50	1.0-4.0		●		●					
 Medium machining	DNMG	150608	0.15-0.65	0.8-4.0							○	●	
 Medium machining	DNMG	150412	0.25-0.55	1.5-4.0							○	●	

● The stock status for the corresponding tool holder is currently unavailable. For inventory details, please call for inquiry.

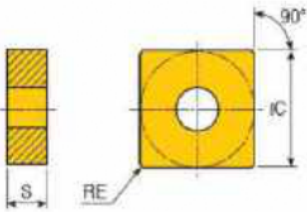
E24

- Recommended grades
- Optional grades

SNMG



Negative 90° Square Insert

	Cutting Edge Length	Dimension (mm)		
		IC	S	RE
	12	12.7	4.76	0.8

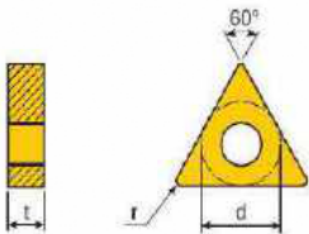
	Model		Feed (mm/rev)	Cut. Depth (mm)	P				M/S		K		N
					CT5215	CT5225	CT5415	CT5425	CT8520	CT8320	CT7415	CT7425	CT101
 Medium machining	SNMG	120408	0.17-0.55	1.2-5.0		○						●	

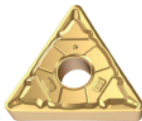
● The stock status for the corresponding tool holder is currently unavailable. For inventory details, please call for inquiry.

TNMG



Negative 60° Triangular Insert

	Cutting Edge Length	Dimension (mm)		
		d	t	r
	16	9.52	4.76	0.4-1.6

	Model		Feed (mm/rev)	Cut. Depth (mm)	P				M/S		K		N
					CT5215	CT5225	CT5415	CT5425	CT8520	CT8320	CT7415	CT7425	CT101
 Finishing	TNMG	160404 SF	0.10-0.40	0.5-4.0			●	○					
		160408 SF	0.10-0.40	0.5-4.0			●	○					
 Finishing	TNMG	160408 PF	0.10-0.40	0.5-4.0	●	●	○	●					
 Medium machining (right hand)	TNMG	160404 R-VF	0.17-0.40	1.0-3.5		●		●					
		160404 L-VF	0.17-0.50	1.2-3.5		●		●					
		160408 R-VF	0.20-0.50	1.5-3.5		●		●					
		160408 L-VF											
 Medium machining (right hand)	TNMG	160404 R-FS	0.17-0.40	1.0-3.5		●		●					
		160404 L-FS	0.17-0.50	1.2-3.5		●		●					
		160408 R-FS	0.20-0.50	1.5-3.5		●		●					
		160408 L-FS											
 Medium machining	TNMG	160404 MA	0.13-0.50	0.8-4.5					●	●			
		160408 MA	0.15-0.55	0.8-4.5					●	●			

● The stock status for the corresponding tool holder is currently unavailable. For inventory details, please call for inquiry.

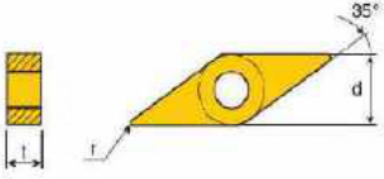
E26

- Recommended grades
- Optional grades

VNMG



Negative 35° Rhombic Insert

	Cutting Edge Length	Dimension (mm)		
		d	t	r
	16	9.52	4.76	0.1-1.2

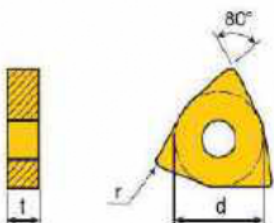
	Model		Feed (mm/rev)	Cut. Depth (mm)	P				M/S		K		N
					CT5215	CT5225	CT5415	CT5425	CT8520	CT8320	CT7415	CT7425	CT101
 Medium machining	VNMG	160404 MT	0.15-0.36	0.8-3.0		●		●					
		160408 MT	0.17-0.36	1.0-2.5		●		●					
 Medium machining	VNMG	160408 MA	0.13-0.50	0.8-3.5					●	●			
									●	●			

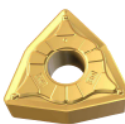
● The stock status for the corresponding tool holder is currently unavailable. For inventory details, please call for inquiry.

WNMG



Negative 80° Triangular Insert

	Cutting Edge Length	Dimension (mm)		
		d	t	r
	08	12.7	4.76	0.4-1.2

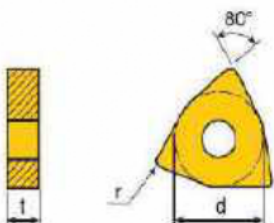
	Model		Feed (mm/rev)	Cut. Depth (mm)	P				M/S		K		N
					CT5215	CT5225	CT5415	CT5425	CT8520	CT8320	CT7415	CT7425	CT101
 Finishing	WNMG	080404 SF	0.10-0.40	0.5-4.0			●	○	○	○			
		080408 SF	0.10-0.40	0.5-4.0			●	○	○	○			
 Finishing	WNMG	080404 MS	0.10-0.40	0.5-4.0					●	●			
		080408 MS	0.10-0.40	0.5-4.0					●	●			
 Medium machining	WNMG	080404 PF	0.10-0.40	0.5-4.0	○	●	○	●					
		080408 PF	0.10-0.40	0.5-4.0	○	●	○	●					
 Medium machining	WNMG	080404 PM	0.15-0.40	0.5-4.0	○	●	○	●					
		080408 PM	0.15-0.40	0.5-4.0	○	●	○	●					
		080412 PM	0.15-0.40	0.5-4.0	○	●	○	●					
 Medium machining	WNMG	080408 TM	0.17-0.55	1.2-4.0	○	●	○	●					
		080412 TM	0.25-0.55	1.5-4.0	○	●	○	●					

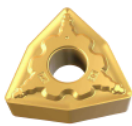
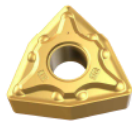
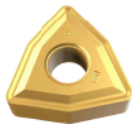
● The stock status for the corresponding tool holder is currently unavailable. For inventory details, please call for inquiry.

WNMG



Negative 80° Triangular Insert

	Cutting Edge Length	Dimension (mm)		
		d	t	r
	08	12.7	4.76	0.4-1.6

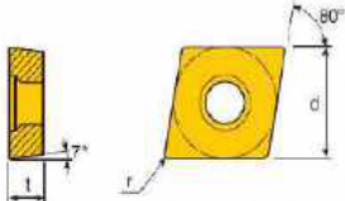
	Model		Feed (mm/rev)	Cut. Depth (mm)	P				M/S		K		N
					CT5215	CT5225	CT5415	CT5425	CT8520	CT8320	CT7415	CT7425	CT101
 Medium machining	WNMG	080408 PZ	0.17-0.55	1.2-4.0	○	●	○	●					
		080412 PZ	0.25-0.55	1.5-4.0	○	●	○	●					
 Medium machining	WNMG	080404 MA	0.10-0.45	0.8-4.0					●	●			
		080408 MA	0.12-0.45	0.8-4.0					●	●			
		080412 MA	0.12-0.45	0.8-4.0					●	●			
		080416 MA	0.12-0.45	0.8-4.0					●	●			
 Rough finishing	WNMG	080404	0.15-0.70	1.0-5.0							○	●	
		080408	0.15-0.70	1.0-5.0							○	●	
		080412	0.20-0.80	1.5-5.0							○	●	
		080416	0.20-0.80	1.5-5.0							○	●	

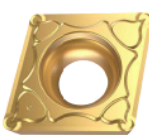
● The stock status for the corresponding tool holder is currently unavailable. For inventory details, please call for inquiry.

CCMT



Positive 7° Relief Rhombic Insert

	Cutting Edge Length	Dimension (mm)		
		d	t	r
	06	6.35	2.38	0.1-0.8
	09	9.52	3.97	0.1-0.8
	12	12.7	4.76	0.4-1.2

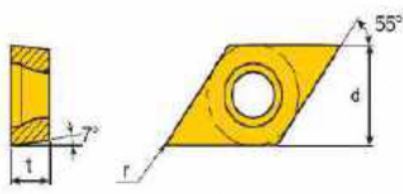
	Model		Feed (mm/rev)	Cut. Depth (mm)	P				M/S		K		N
					CT5215	CT5225	CT5415	CT5425	CT8520	CT8320	CT7415	CT7425	CT101
 Medium machining	CCMT	060204 PC	0.07-0.20	0.5-2.0	o	o		●	o	o			
		060208 PC	0.13-0.30	0.7-2.0	o	o		●	o	o			
		09T304 PC	0.10-0.25	0.7-3.5	o	o		●	o	o			
		09T308 PC	0.13-0.30	1.0-3.5	o	o		●	o	o			
		120404 PC	0.10-0.25	1.0-5.0	o	o		●	o	o			
		120408 PC	0.13-0.30	1.3-5.0	o	o		●	o	o			
 Medium machining	CCMT	09T304 MT	0.10-0.25	0.7-3.5	o	●		●	●	●			
		09T308 MT	0.13-0.30	1.0-3.5	o	●		●	●	●			

● The stock status for the corresponding tool holder is currently unavailable. For inventory details, please call for inquiry.

DCMT



Positive 7° Relief 55° Rhombic Insert

	Cutting Edge Length	Dimension (mm)		
		d	t	r
	07	6.35	2.38	0.03-0.8
	11	9.52	3.97	0.03-0.8

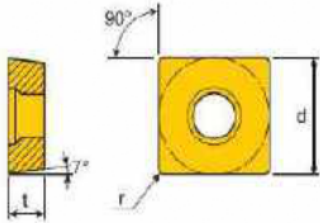
	Model		Feed (mm/rev)	Cut. Depth (mm)	P				M/S		K		N
					CT5215	CT5225	CT5415	CT5425	CT8520	CT8320	CT7415	CT7425	CT101
 Medium machining	DCMT	070204 PC	0.06-0.18	0.3-2.0	●	●		●	o	o			
		070208 PC	0.08-0.25	0.4-2.0	●	●		●	o	o			
		11T304 PC	0.08-0.25	0.35-3.0	●	●		●	o	o			
		11T308 PC	0.10-0.28	0.5-3.0	●	●		●	o	o			

● The stock status for the corresponding tool holder is currently unavailable. For inventory details, please call for inquiry.

SCMT



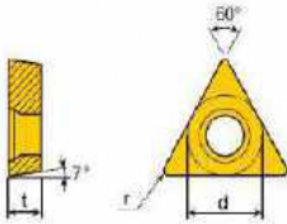
Positive 7° Relief 55° Rhombic Insert

	Cutting Edge Length	Dimension (mm)		
		d	t	r
	09	9.52	3.97	0.4-0.8
	12	12.7	4.76	0.4-1.2

	Model		Feed (mm/rev)	Cut. Depth (mm)	P				M/S		K		N
					CT5215	CT5225	CT5415	CT5425	CT8520	CT8320	CT7415	CT7425	CT101
 Medium machining	SCMT	09T304 PC	0.25-0.50	1.5-4.0		o		●		o			
		09T308 PC	0.30-0.60	2.5-5.0		o		●		o			
		120408 PC	0.48-0.90	3.5-9.0		o		●		o			

● The stock status for the corresponding tool holder is currently unavailable. For inventory details, please call for inquiry.

Positive 7° Relief Triangular Insert

	Cutting Edge Length	Dimension (mm)		
		d	t	r
	09	5.56	2.38	0.4-0.8
	11	6.35	2.38-3.18	0.1-0.8
	16	9.52	3.97	0.4-1.2

	Model		Feed (mm/rev)	Cut. Depth (mm)	P				M/S		K		N
					CT5215	CT5225	CT5415	CT5425	CT8520	CT8320	CT7415	CT7425	CT101
 Medium machining	TCMT	090204 PC	0.10-0.25	0.6-2.0		●		●		o			
		110204 PC	0.10-0.25	0.6-3.0		●		●		o			
		110208 PC	0.13-0.30	0.8-3.0		●		●		o			
		16T304 PC	0.10-0.25	0.8-5.0		●		●		o			
		16T308 PC	0.10-0.30	1.0-5.0		●		●		o			

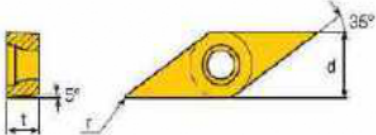
● The stock status for the corresponding tool holder is currently unavailable. For inventory details, please call for inquiry.

VBMT/VCMT



Positive 5° /7° Relief 35° Rhombic Insert

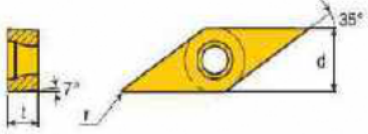
VBMT, 5° Relief

	Cutting Edge Length	Dimension (mm)		
		d	t	r
	16	9.52	4.76	0.4-1.2

	Model		Feed (mm/rev)	Cut. Depth (mm)	P				M/S		K		N
					CT5215	CT5225	CT5415	CT5425	CT8520	CT8320	CT7415	CT7425	CT101
Medium machining	VBMT	160404 PC	0.10-0.25	0.6-3.0	o	o		●	o	o			
		160408 PC	0.13-0.30	0.9-3.0	o	o		●	o	o			

●The stock status for the corresponding tool holder is currently unavailable. For inventory details, please call for inquiry.

VCMT, 7° Relief

	Cutting Edge Length	Dimension (mm)		
		d	t	r
	11	6.35	3.18	0.1-0.4
	16	9.52	4.76	0.4-0.8

	Model		Feed (mm/rev)	Cut. Depth (mm)	P				M/S		K		N
					CT5215	CT5225	CT5415	CT5425	CT8520	CT8320	CT7415	CT7425	CT101
Medium machining	VCMT	110304 PC	0.08-0.20	0.5-2.0	o	o		●	o	o			
		160404 PC	0.08-0.20	0.5-2.0	o	o		●	o	o			
		160408 PC	0.08-0.20	0.5-2.0	o	o		●	o	o			

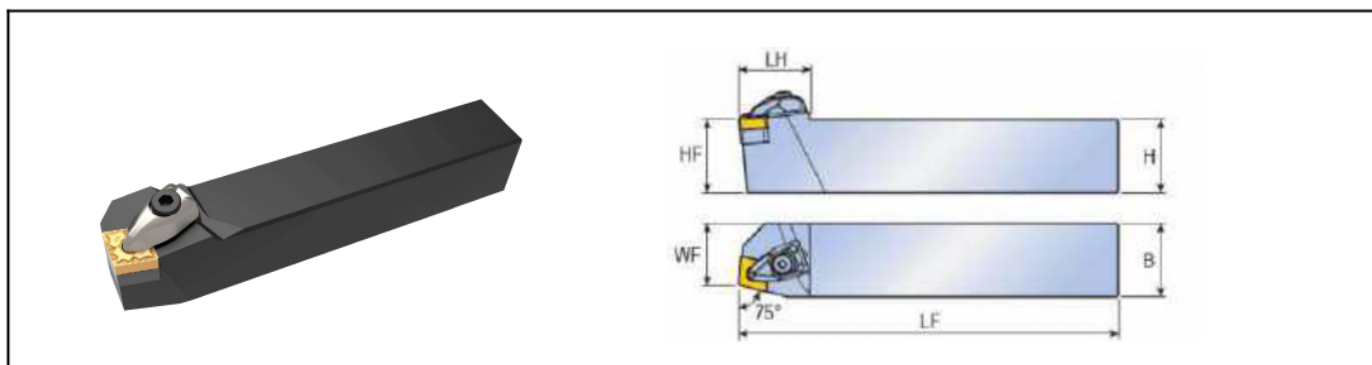
●The stock status for the corresponding tool holder is currently unavailable. For inventory details, please call for inquiry.

- Recommended grades
- Optional grades

TCBNR/L, TCKNR/L

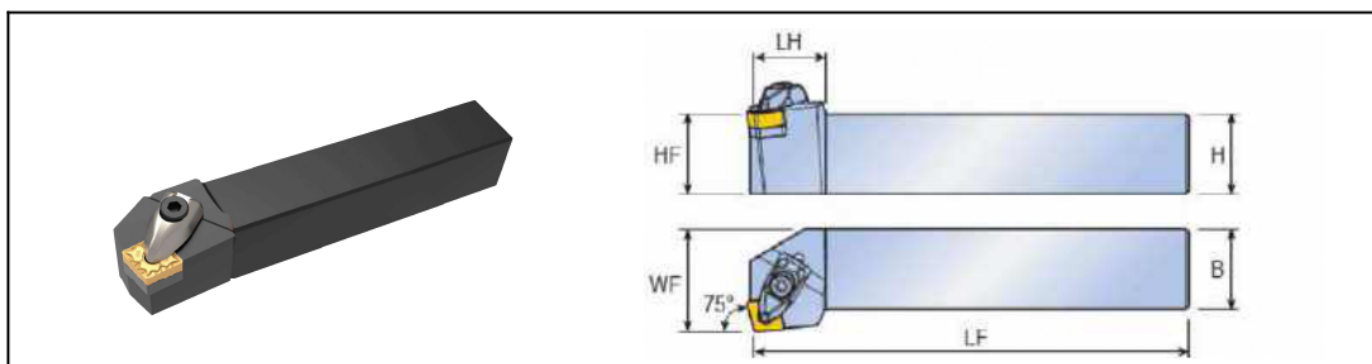


Negative CN Insert, T-Slot Clamp, External Turning Tool Holder



Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
TCBNR/L 2525 M12	75°	25	25	25	22.5	150	32	CN..1204
TCBNR/L 3232 P19		32	32	32	27	170	42	CN..1906

©Inserts must be ordered separately; For insert selection, please refer to the insert details on page E23



Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
TCKNR/L 2525 M12	75°	25	25	25	32	150	25	CN..1204

©Inserts must be ordered separately; For insert selection, please refer to the insert details on page E23

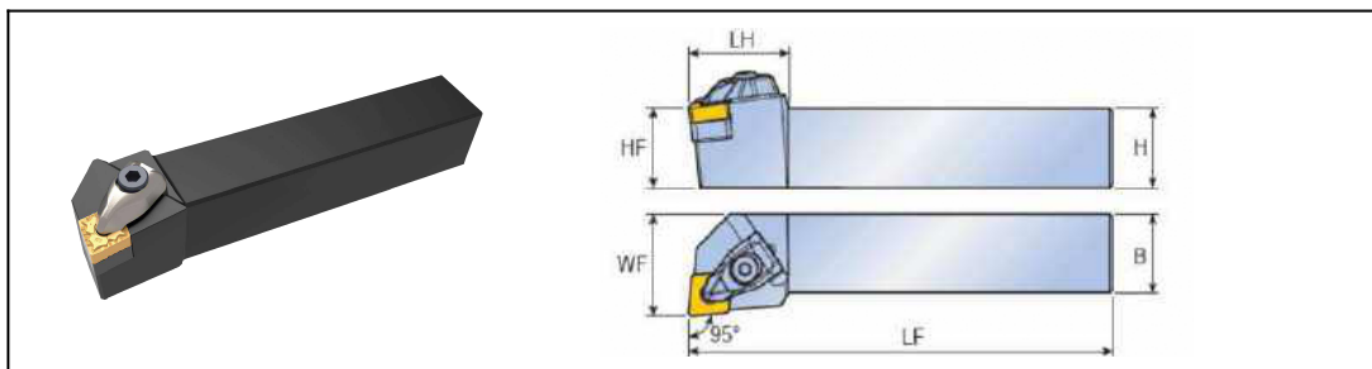
Spare Parts

Model	Pressure Plate	Plat Screw	Spring	Tool Pad	Pad Screw	Wrench
CN..1204						
CN..1906						

TCLNR/L



Negative CN Insert, T-Slot Clamp, External Turning Tool Holde



Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
TCLNR/L 2020 K12	95°	20	20	20	25	125	32	CN. . 1204
TCLNR/L 2525 M12		25	25	25	32	150		
TCLNR/L 3225 P12		32	25	32	32	170		
TCLNR/L 3232 P12		32	32	32	40	170		
TCLNR/L 2525 M16	95°	25	25	25	32	150	36	CN. . 1606
TCLNR/L 3232 P16		32	32	32	40	170		
TCLNR/L 3232 P19	95°	32	32	32	40	170	42	CN. . 1906
TCLNR/L 4040 S19		40	40	40	50	250		

©Inserts must be ordered separately.

©For insert selection, please refer to the insert details on page E23

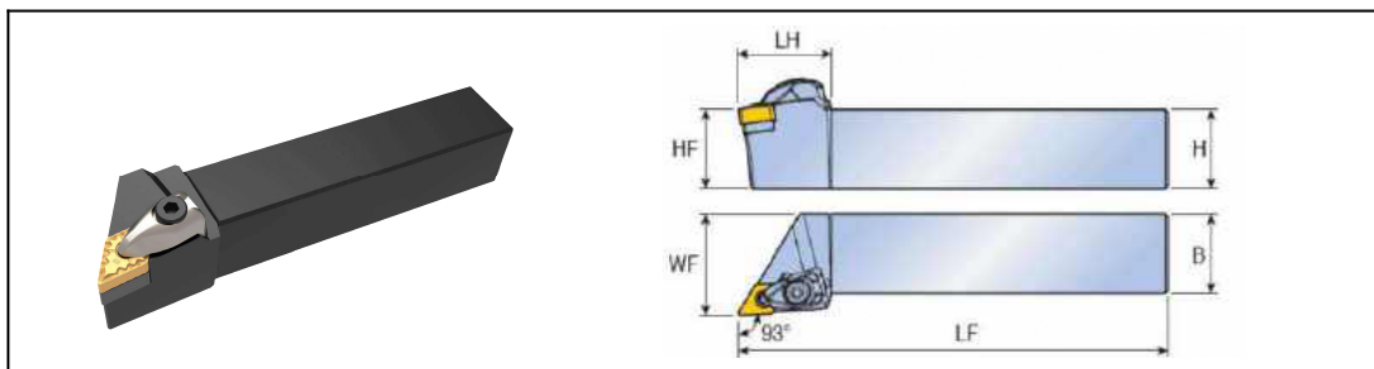
Spare Parts

Model	Pressure Plate	Plate Screw	Spring	Tool Pad	Pad Screw	Wrench
CN. . 1204	CYT4	CLT5023	CPT4	CDTC1206	CSC4090	CBL40
CN. . 1606	CYT5	CLT6026	CPT5	CDTC1606	CSC5012	CBL40
CN. . 1906	CYT6	CLT6026	CPT5	CDTC1904	CSC8011	CBL40

TDJNR/L



Negative DN Insert, Clamped with a T-Slot Clamp, External Turning Tool Holder



Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
TDJNR/L 2020 K15	93°	20	20	20	25	125	39	DN. . 1504 DN. . 1506
TDJNR/L 2525 M15		25	25	25	32	150		
TDJNR/L 3232 P15		32	32	32	40	170		

©Inserts must be ordered separately.

©For insert selection, please refer to the insert details on page E24

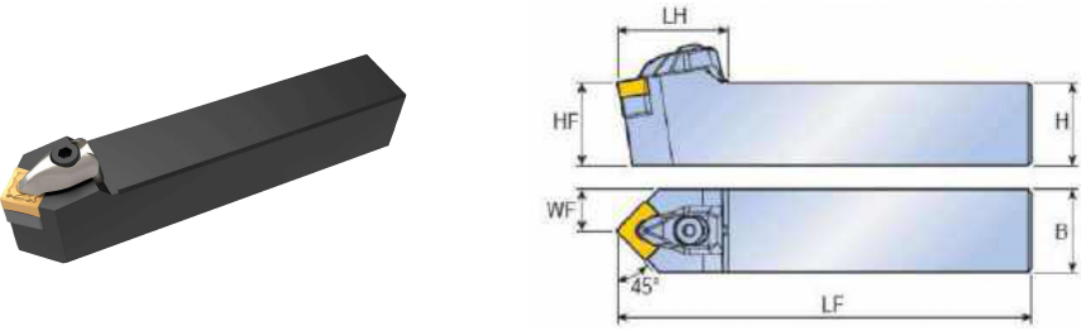
Spare Parts

Model	Pressure Plate	Plate Screw	Spring	Tool Pad	Pad Screw	Wrench
DN. . 1504	CYT4	CLT5023	CPT4	CDTD1506	CSC4090	CBL40
DN. . 1506	CYT4	CLT5023	CPT4	CDTD1504	CSC4090	CBL40

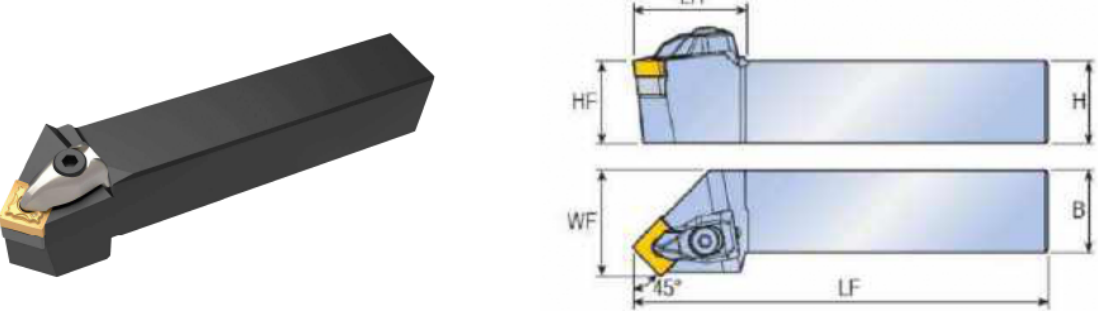
TSDNN、TSSNR/L



Negative SN Insert, Clamped with a T-Slot Clamp, External Turning Tool Holder.

								
Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
TSDNN 2525 M12	45°	25	25	25	12.5	150	34	SN. . 1204
TSDNN 3232 P19		32	32	32	16	170	44	SN. . 1906

©Inserts must be ordered separately. For insert selection, please refer to the insert details on page E25

								
Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
TSSNR/L 2525 M12	45°	25	25	25	32	150	35	SN. . 1204

©Inserts must be ordered separately. For insert selection, please refer to the insert details on page E25

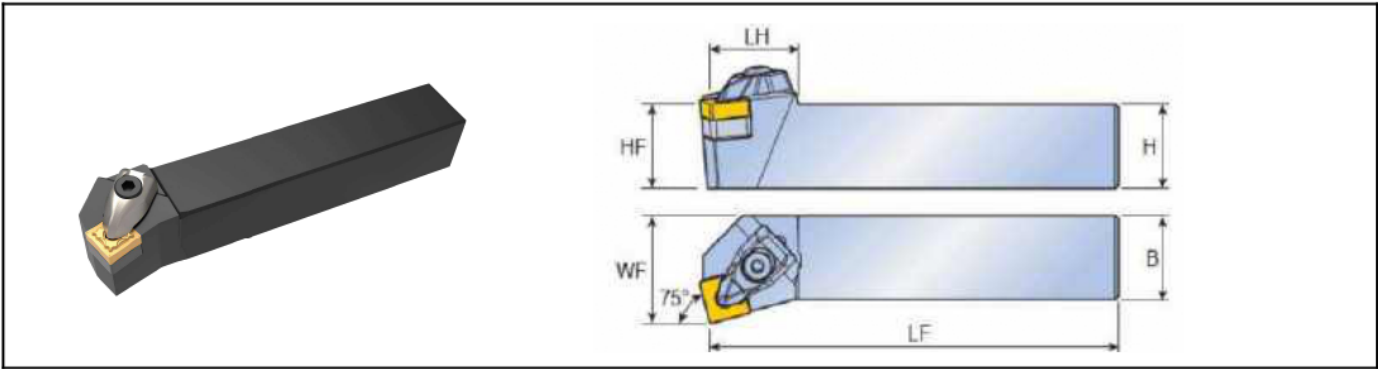
Spare Parts

	Model	Pressure Plate	Plate Screw	Spring	Tool Pad	Pad Screw	Wrench
							
	SN. . 1204	CYT4	CLT5023	CPT4	CDTS1206	CSC4090	CBL40
	SN. . 1906	CYT6	CLT6026	CPT5	CDTS1904	CSC8011	CBL40

TSKNR/L



Negative SN Insert, Clamped with a T-Slot Clamp, External Turning Tool Holder.



Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
TSKNR/L 2525 M12	75°	25	25	25	32	150	27	SN. . 1204

©Inserts must be ordered separately.
©For insert selection, please refer to the insert details on page E25

Spare Parts

Model	Pressure Plate	Plate Screw	Spring	Tool Pad	Pad Screw	Wrench
SN. . 1204	CYT4	CLT5023	CPT4	CDTS1206	CSC4090	CBL40

TTGNR/L, TTJNR/L



Negative TN Insert, Clamped with a T-Slot Clamp, External Turning Tool Holder.

Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
TTGNR/L 2525 M16	91°	25	25	25	32	150	25	TN.. 1604

©Inserts must be ordered separately.For insert selection, please refer to the insert details on page E26

Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
TTJNR/L 2020 K16	93°	20	20	20	25	125	25	TN.. 1604
TTJNR/L 2525 M16	93°	25	25	25	32	150	25	

©Inserts must be ordered separately.For insert selection, please refer to the insert details on page E26

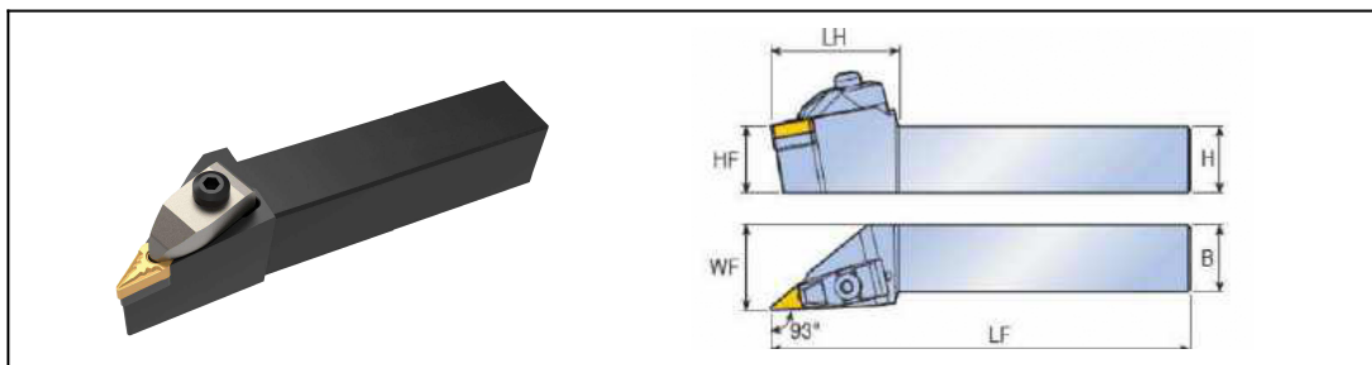
Spare Parts

	Model	Pressure Plate	Plate Screw	Spring	Tool Pad	Pad Screw	Wrench
	TN.. 1604	CYT-3	CLT4017	CPT3	CDTT1604	CSC3581	CBL25

TVJNR/L, TVQNR/L

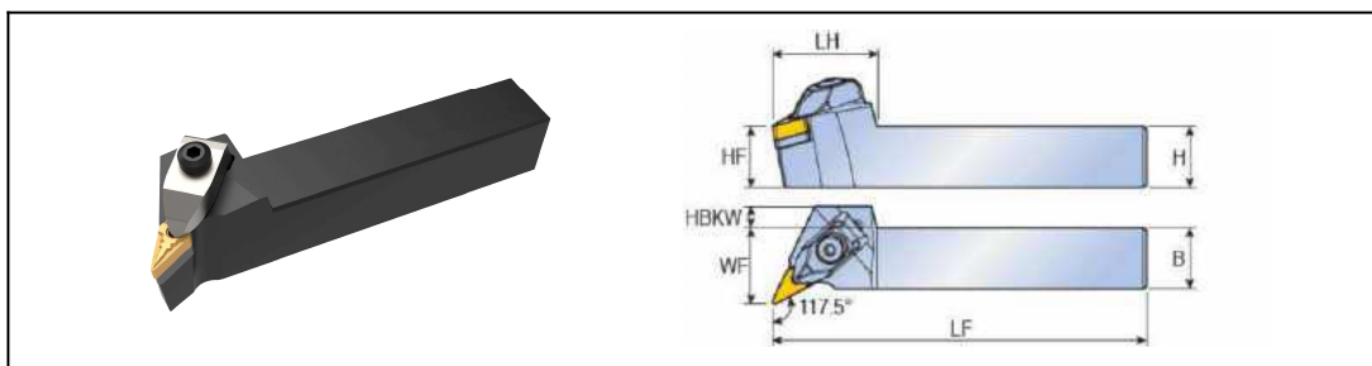


Negative VN Insert, Clamped with a T-Slot Clamp, External Turning Tool Holder.



Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
TVJNR/L 2020 K16	93°	20	20	20	25	125	49	VN..1604
TVJNR/L 2525 M16		25	25	25	32	150	49	

©Inserts must be ordered separately. For insert selection, please refer to the insert details on page E27



Model	Kr	Dimension (mm)						Insert
		H=B	HF	WF	LF	LH	HBKW	
TVQNR/L 2020 K16	117.5°	20	20	25	125	42	8	VN..1604
TVQNR/L 2525 M16		25	25	32	150	42	2	

©Inserts must be ordered separately. For insert selection, please refer to the insert details on page E27

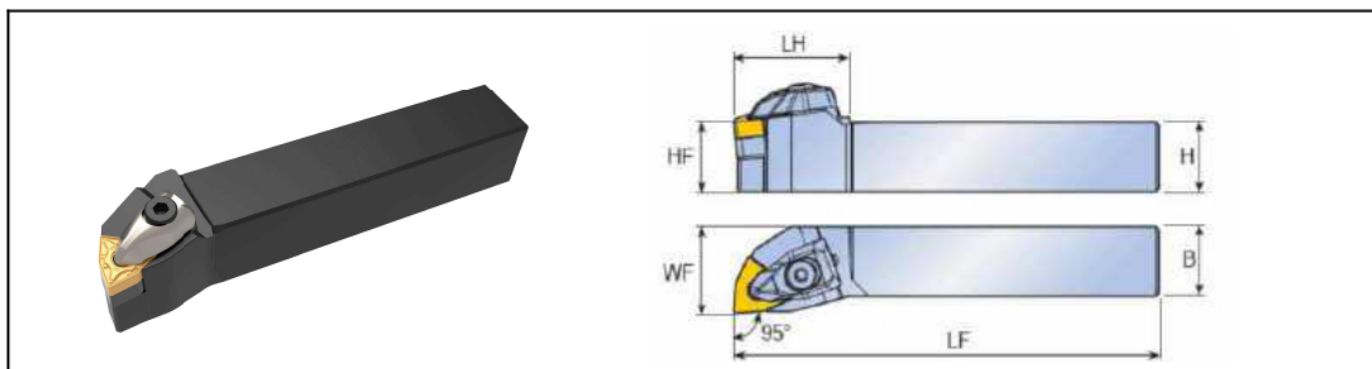
Spare Parts

	IModel	Pressure Plate	Plate Screw	Spring	Tool Pad	Pad Screw	Wrench
	VN..1604	CYT-3V	CLT6026	CPT5	CDTV1604	CSC3580	CBL40

TWLNR/L



Negative SN Insert, Clamped with a T-Slot Clamp, External Turning Tool Holder.



Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
TWLNR/L 2020 K08	95°	20	20	20	25	125	34.2	WN. . 0804
TWLNR/L 2525 M08		25	25	25	32	150		
TWLNR/L 3232 P08		32	32	32	40	170		

©Inserts must be ordered separately.

©For insert selection, please refer to the insert details on page E28

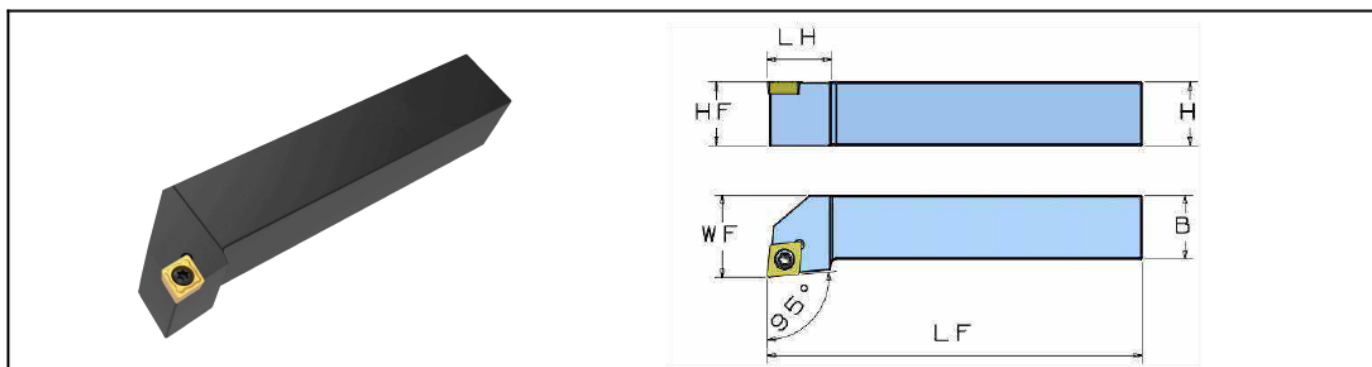
Spare Parts

Model	Pressure Plate	Plate Screw	Spring	Tool Pad	Pad Screw	Wrench
WN. . 0804	CYT4	CLT5023	CPT4	CDTW0806	CSC4090	CBL40

SCLCR/L



Positive CC Insert, Clamped with an S-Slot Screw, External Turning Tool Holder



Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
SCLCR/L 0808 F06	95°	8	8	8	10	80	10	CC. . 0602
SCLCR/L 1010 F06		10	10	10	12	80	10	
SCLCR/L 1212 F09	95°	12	12	12	16	80	16	CC. . 09T3
SCLCR/L 1616 H09		16	16	16	20	100	16	
SCLCR/L 2020 K09		20	20	20	25	125	20	
SCLCR/L 2525 M09		25	25	25	32	150	20	
SCLCR/L 2020 K12	95°	20	20	20	25	125	25	CC. . 1204
SCLCR/L 2525 M12		25	25	25	32	150	26	

©Inserts must be ordered separately.

©For insert selection, please refer to the insert details on page E30

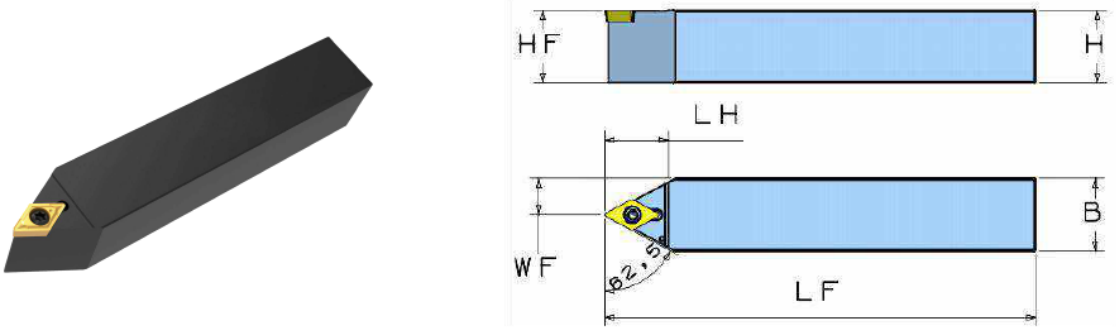
Spare Parts

Model	Screw	Wrench
CC. . 0602	CSC2560	CTS08W
CC. . 09T3	CSC4090	CTS15W
CC. . 1204	CSC5012	CTS20W

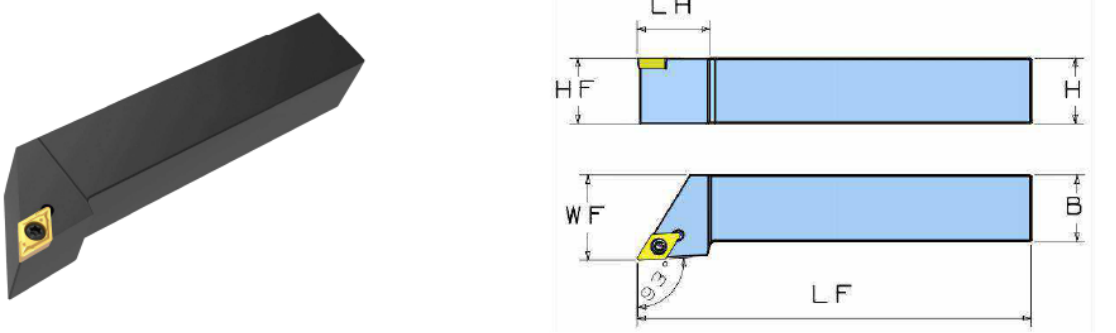
SDNCN, SDJCR/L



Positive DC Insert, Clamped with an S-Slot Screw, External Turning Tool Holder

								
Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
SDNCN 0808 F07	62.5°	8	8	8	4	80	15	DC..0702
SDNCN 1010 F07		10	10	10	5	80	15	
SDNCN 1616 H11		16	16	16	8	100	22	DC..11T3
SDNCN 2525 M11		25	25	25	12.5	150	22	

©Inserts must be ordered separately.For insert selection, please refer to the insert details on page E31

								
Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
SDJCR/L 1212 F07	93°	12	12	12	16	80	15	DC..0702
SDJCR/L 1616 H07		16	16	16	20	100	15	
SDJCR/L 2020 K07		20	20	20	25	125	20	
SDJCR/L 1616 H11	93°	16	16	16	20	100	24	DC..11T3
SDJCR/L 2020 K11		20	20	20	25	125	24	
SDJCR/L 2525 M11		25	25	25	32	150	28	

©Inserts must be ordered separately.For insert selection, please refer to the insert details on page E31

Model	Screw	Wrench
DC..0702	CSC2560	CTS08W
DC..11T3	CSC4090	CTS15W

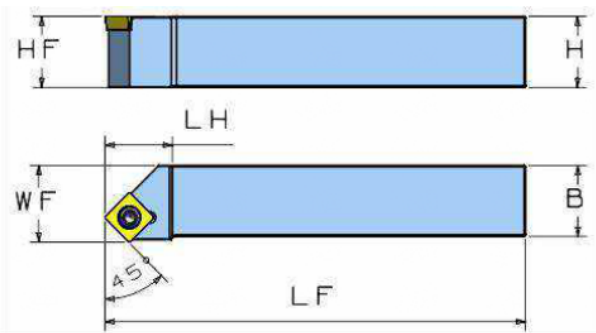
SSDCN, SSSCR/L



Positive SC Insert, Clamped with an S-Slot Screw, External Turning Tool Holder

Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
SSDCN 1212 F09	45°	12	12	12	6	80	15.5	SC. . 09T3
SSDCN 1616 H09		16	16	16	8	100	15.5	

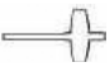
©Inserts must be ordered separately. For insert selection, please refer to the insert details on page E32

Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
SSSCR/L 1212 F09	45°	12	12	12	14	80	15.5	SC. . 09T3
SSSCR/L 1616 H09		16	16	16	17	100	15.5	
SSSCR/L 2020 K12		20	20	20	22	125	24	SC. . 1204
SSSCR/L 2525 M12		25	25	25	27	150	24	

©Inserts must be ordered separately. For insert selection, please refer to the insert details on page E32

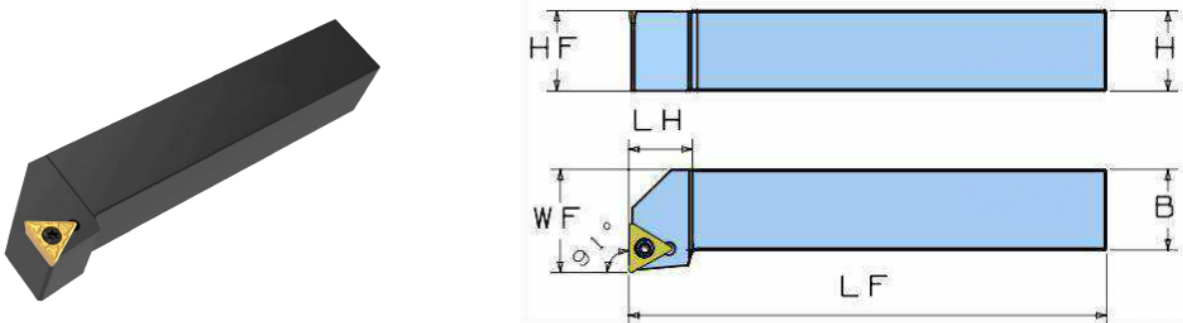
Spare Parts

	Model	Screw	Wrench
			
	SC. . 09T3	CSC4090	CTS15W
	SC. . 1204	CSC5012	CTS20W

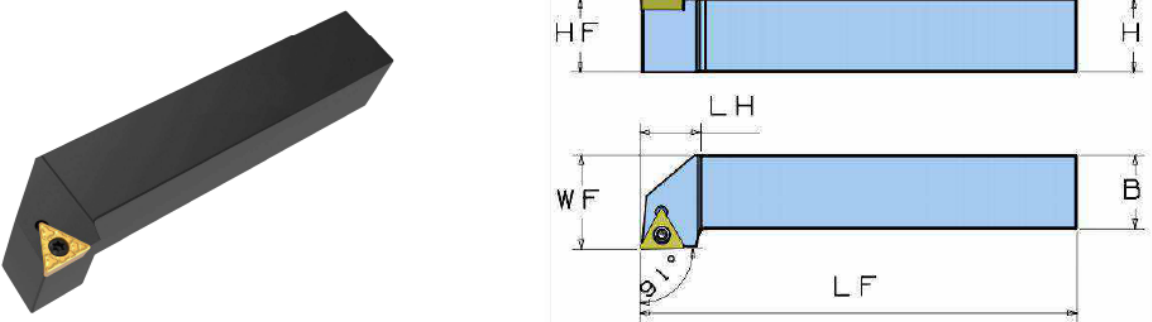
STFCR/L, STGCR/L



Positive TC Insert, Clamped with an S-Slot Screw, External Turning Tool Holder

								
Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
STFCR/L 1212 F11	91°	12	12	12	16	80	14	TC. . 1102
STFCR/L 1616 H11		16	16	16	20	100	14	
STFCR/L 1616 H16	91°	16	16	16	20	100	19	TC. . 16T3
STFCR/L 2020 K16		20	20	20	25	125	19	
STFCR/L 2525 M16		25	25	25	32	150	20	

©Inserts must be ordered separately.For insert selection, please refer to the insert details on page E33

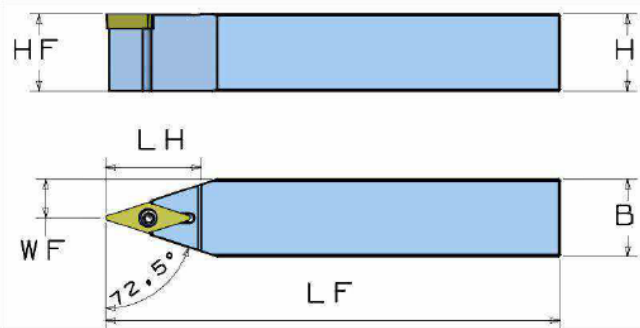
								
Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
STGCR/L 1010 E09	91°	10	10	10	12	70	11	TC. . 0902
STGCR/L 1212 F11	91°	12	12	12	16	80	14.3	TC. . 1102
STGCR/L 1616 H11		16	16	16	20	100	14.3	
STGCR/L 1616 H16	91°	16	16	16	20	100	21	TC. . 16T3
STGCR/L 2020 K16		20	20	20	25	125	21	
STGCR/L 2525 M16		25	25	25	32	150	21	

©Inserts must be ordered separately.For insert selection, please refer to the insert details on page E33

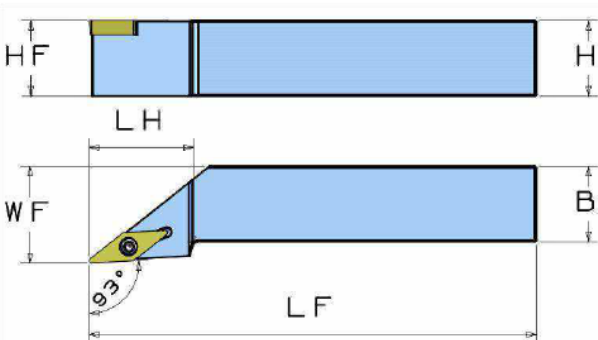
Model	Screw	Wrench
TC. . 0902	CSC2250	CTS07W
TC. . 1102	CSC2560	CTS08W
TC. . 16T3	CSC4090	CTS15W

SVVBN、SVJBR/L

Positive VB Insert, Clamped with an S-Slot Screw, External Turning Tool Holder

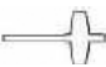
 								
Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
SVVBN 2020 K16	72.5°	20	20	20	10.0	125	31.5	VB..1604
SVVBN 2525 M16		25	25	25	12.5	150	31.5	
SVVBN 3225 P16		32	25	32	12.5	170	31.5	

©Inserts must be ordered separately.For insert selection, please refer to the insert details on page E34

 								
Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
SVJBR/L 2020 K16	93°	20	20	20	25	125	35	VB..1604
SVJBR/L 2525 M16		25	25	25	32	150	35	
SVJBR/L 3225 P16		32	25	32	32	170	35	
SVJBR/L 3232 P16		32	32	32	40	170	35	

©Inserts must be ordered separately.For insert selection, please refer to the insert details on page E34

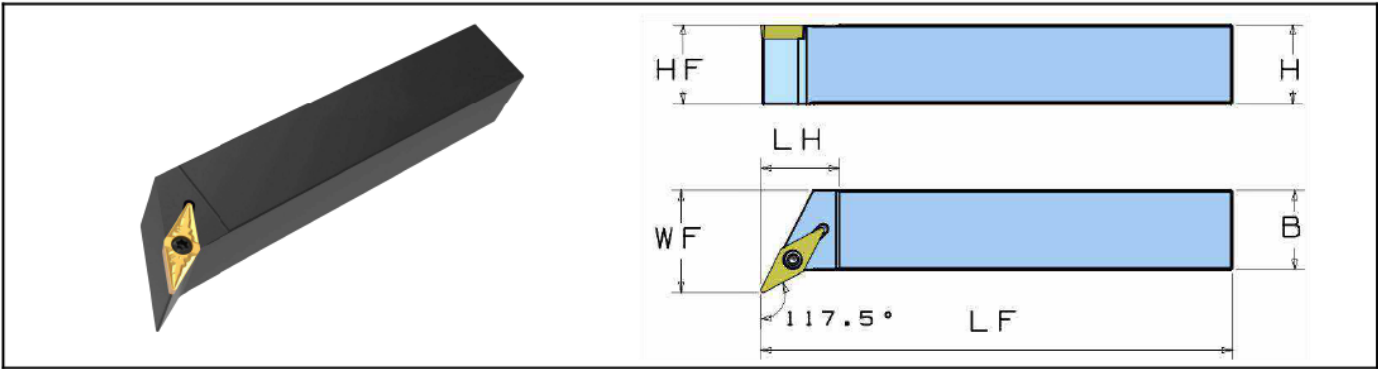
Spare Parts

Model	Screw	Wrench
		
VB..1604	CSC4090	CTS15W

SVPBR/L



Positive VB Insert, Clamped with an S-Slot Screw, External Turning Tool Holder



Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
SVPBR/L 2020 K16	117.5°	20	20	20	25	125	25	VB. . 1604
SVPBR/L 2525 M16		25	25	25	32	150	25	

- ©Inserts must be ordered separately.
- ©For insert selection, please refer to the insert details on page E34

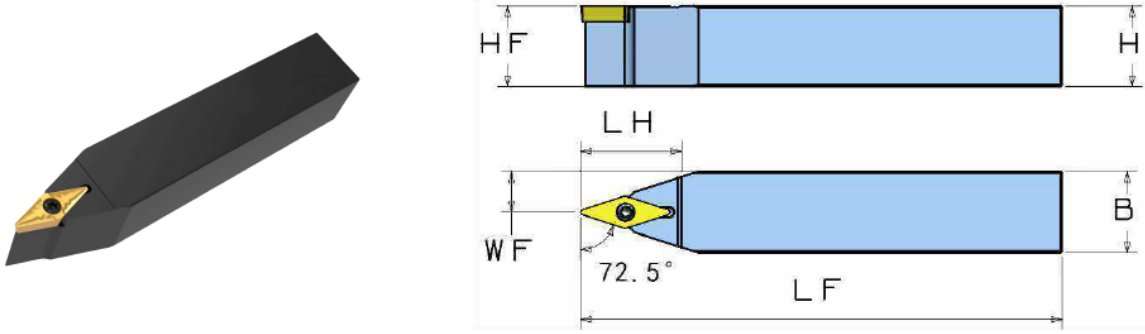
Spare Parts

Model	Screw	Wrench
VB. . 1604	CSC4090	CTS15W

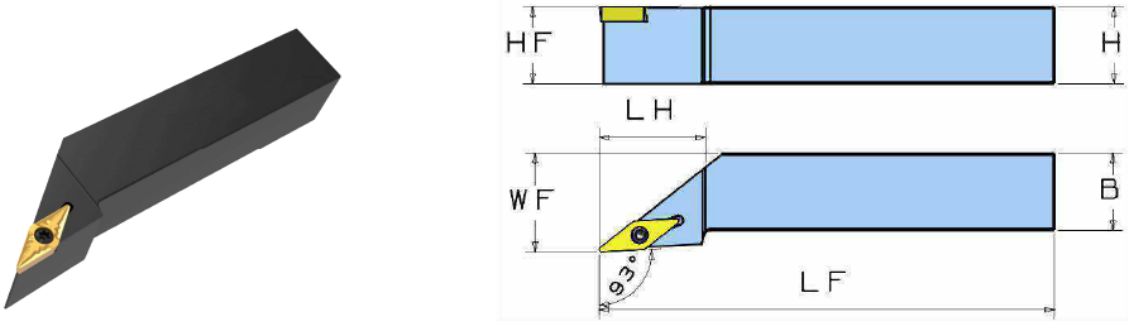
SVVCN, SVJCR/L



Positive VC Insert, Clamped with an S-Slot Screw, External Turning Tool Holder

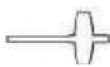
								
Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
SVVCN 2020 K16	72.5°	20	20	20	10.0	125	31.5	VC. . 1604
SVVCN 2525 M16		25	25	25	12.5	150	31.5	
SVVCN 3225 P16		32	25	32	12.5	170	31.5	
SVVCN 3232 P16		32	32	32	16.0	170	32.0	

©Inserts must be ordered separately. For insert selection, please refer to the insert details on page E34

								
Model	Kr	Dimension (mm)						Insert
		H	B	HF	WF	LF	LH	
SVJCR/L 2020 K16	93°	20	20	20	25	125	35	VC. . 1604
SVJCR/L 2525 M16		25	25	25	32	150	35	
SVJCR/L 3225 P16		32	25	32	32	170	35	
SVJCR/L 3232 P16		32	32	32	40	170	47	

©Inserts must be ordered separately. For insert selection, please refer to the insert details on page E34

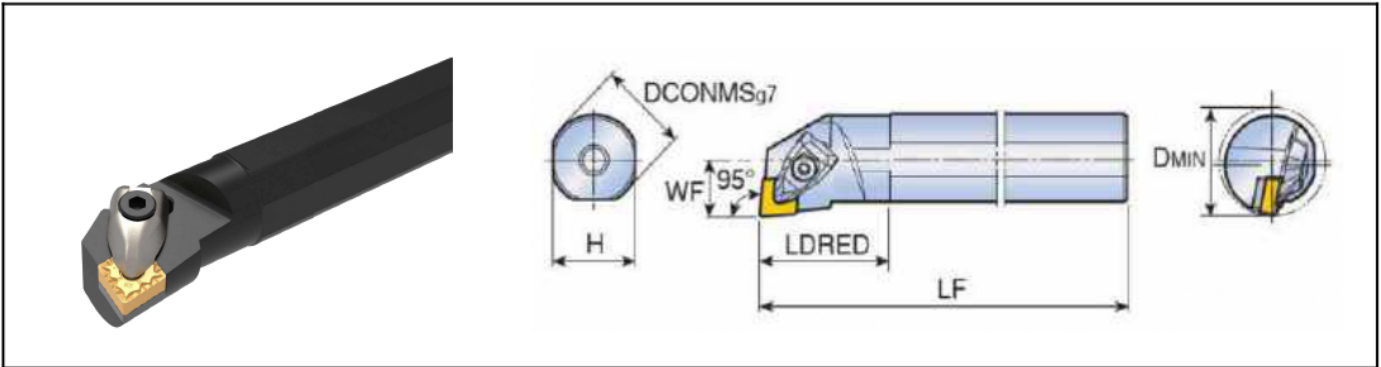
Spare Parts

Model	Screw	Wrench
		
VC. . 1604	CSC4090	CTS15W

S-TCLNR/L



Negative CN Insert, Clamped with a T-Slot Clamp, Internal Turning Tool Holder



Model	Kr	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	Dmin	
S25R TCLNR/L 12	95°	25	23	200	45	17	32	CN.. 1204
S32S TCLNR/L 12		32	30	250	45	22	40	
S40T TCLNR/L 12		40	37	300	45	27	50	
S50U TCLNR/L 12		50	47	350	45	35	63	

©Inserts must be ordered separately.

©For insert selection, please refer to the insert details on page E23

©Standard tool holders do not have internal cooling.

Spare Parts

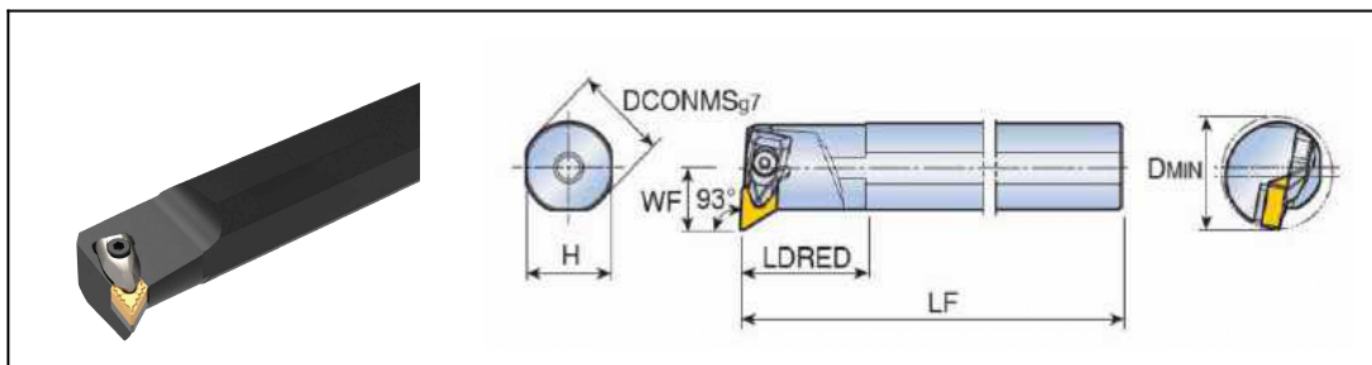
Model	Pressure Plate	Plate Screw	Spring	Tool Pad	Pad Screw	Wrench
CN.. 1204 (25SD)	CYT4	CLT5023	CPT4	CDTC1203	CSD5012	CBL40
CN.. 1204 (32SD)	CYT4	CLT5023	CPT4	CDTC1203	CSD5012	CBL40
CN.. 1204 (40SD)	CYT4	CLT5023	CPT4	CDTC1206	CSC4090	CBL40
CN.. 1204 (50SD)	CYT4	CLT5023	CPT4	CDTC1206	CSC4090	CBL40

©SD: Shank Diameter

S-TDUNR/L, S-TDLNR/L



Negative DN Insert, Clamped with a T-Slot Clamp, Internal Turning Tool Holder



Model	Kr	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	Dmin	
S32S TDUNR/L 15	93°	32	30	250	45	22	40	DN..1506
S40T TDUNR/L 15		40	37	300	45	27	50	
S50U TDUNR/L 15		50	47	350	45	35	63	

©Inserts must be ordered separately; For insert selection, please refer to the insert details on page E24

©Standard tool holders do not have internal cooling.

Spare Parts

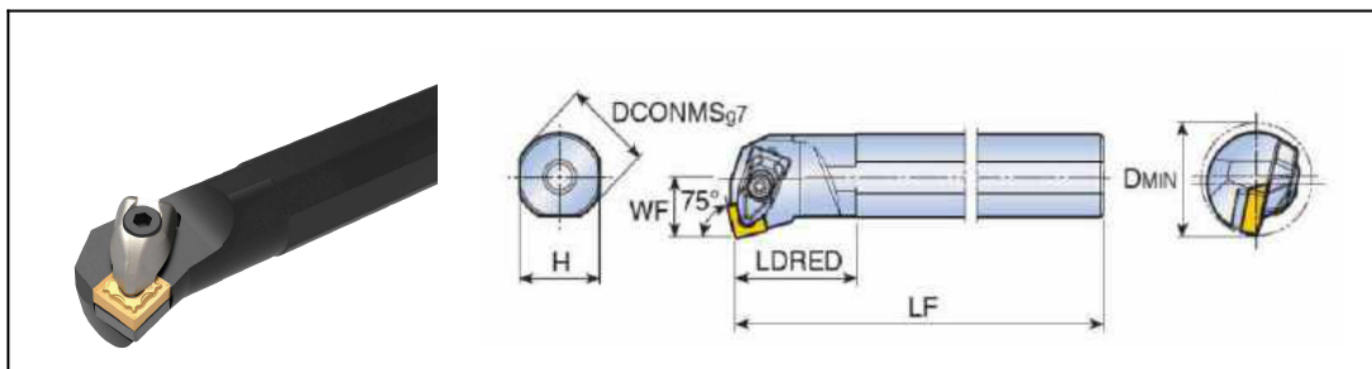
Model	Pressure Plate	Plate Screw	Spring	Tool Pad	Pad Screw	Wrench
						
	DN. . 1506 (32SD)	CYT4	CLT5023	CPT4	CDTD1503	CSD5012
DN. . 1506	CYT4	CLT5023	CPT4	CDTD1504	CSC4090	CBL40

©SD: Shank Diameter

S-TSKNR/L



Negative SN Insert, Clamped with a T-Slot Clamp, Internal Turning Tool Holder



Model	Kr	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	Dmin	
S25R TSKNR/L 12	75°	25	23	200	45	17	32	SN..1204

©Inserts must be ordered separately.

©For insert selection, please refer to the insert details on page E25

©Standard tool holders do not have internal cooling.

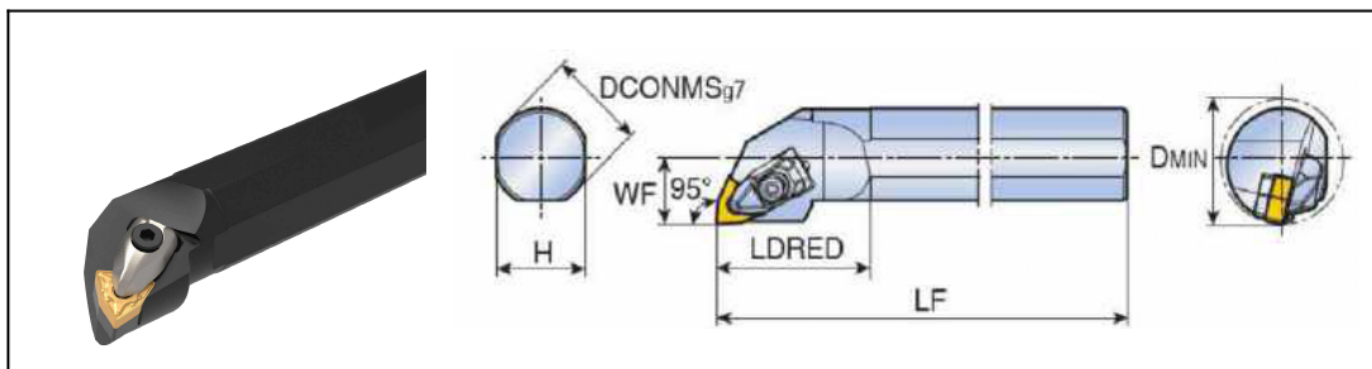
Spare Parts

Model	Pressure Plate	Plate Screw	Spring	Tool Pad	Pad Screw	Wrench
SN..1204	CYT4	CLT5023	CPT4	CDTS1204	CSD5012	CBL40

S-TWLNLR/L



Negative WN Insert, Secured with T-Type Clamping Plate, Internal Turning Tool Holder



Model	Kr	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	Dmin	
S25R TWLNLR/L 08	95°	25	23	200	40	17	32	WN..0804
S32S TWLNLR/L 08		32	30	250	45	22	40	
S40T TWLNLR/L 08		40	37	300	45	27	50	

© Inserts must be ordered separately.

© For insert selection, please refer to the insert details on page E28

© Standard tool holders do not have internal cooling.

Spare Parts

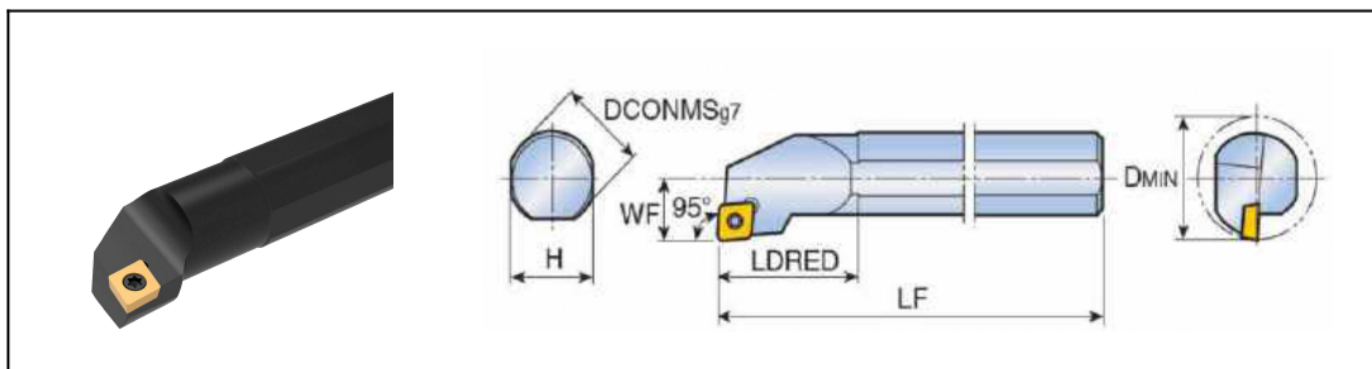
Model	Pressure Plate	Plate Screw	Spring	Tool Pad	Pad Screw	Wrench
WN..0804	CYT4	CLT5023	CPT4	CDTW0804	CSD5012	CBL40
WN..0804(40SD)	CYT4	CLT5023	CPT4	CDTW0806	CSC4090	CBL40

©SD: Shank Diameter

S-SCLCR/L



Standard CC Insert, Secured with S-Type Screws, Internal Turning Tool Holder



Model	Kr	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	Dmin	
S08K SCLCR/L 06	95°	8	7	125	18	6	11	CC. . 0602
S10K SCLCR/L 06		10	9	125	20	7	13	
S12M SCLCR/L 06		12	11	150	25	9	16	
S16N SCLCR/L 06		16	15	160	30	11	20	
S12M SCLCR/L 09	95°	12	11	150	23	9	16	CC. . 09T3
S16N SCLCR/L 09		16	15	160	30	11	20	
S20Q SCLCR/L 09		20	18	180	32	13	25	
S25R SCLCR/L 09		25	23	200	42	17	32	
S25R SCLCR/L 12	95°	25	23	200	42	17	32	CC. . 1204
S32S SCLCR/L 12		32	30	250	45	22	40	
S40T SCLCR/L 12		40	37	300	55	27	50	

©Inserts must be ordered separately.

©For insert selection, please refer to the insert details on page E30

©Standard tool holders do not have internal cooling.

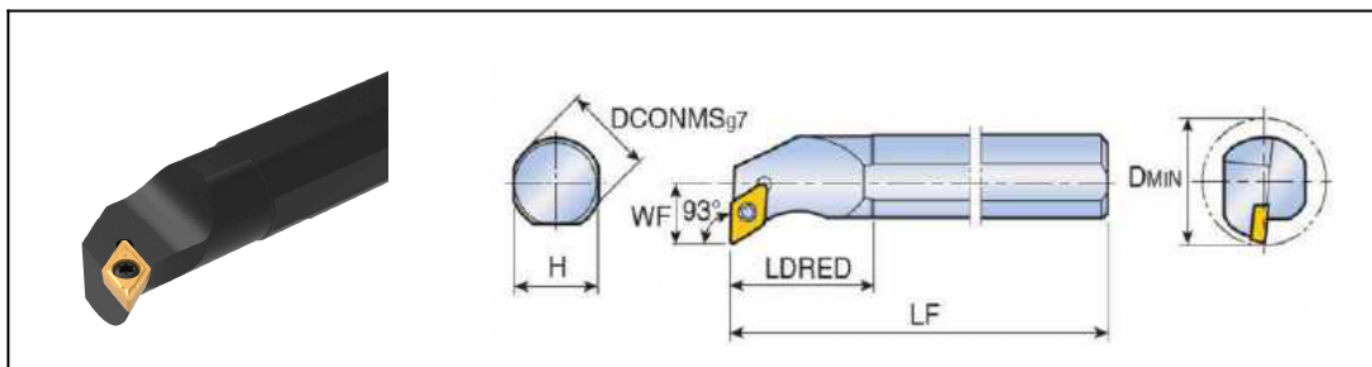
Spare Parts

Model	Screw	Wrench
CC. . 0602	CSC2560	CTS08W
CC. . 09T3	CSC4090	CTS15W
CC. . 1204	CSC5012	CTS20W

S-SDUCR/L



Standard DC Insert, Secured with S-Type Screws, Internal Turning Tool Holder.



Model	Kr	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	Dmin	
S10K SDUCR/L 07	93°	10	9	125	20	7	13	DC..0702
S12M SDUCR/L 07		12	11	150	23	9	16	
S16N SDUCR/L 07		16	15	160	30	11	20	
S16N SDUCR/L 11	93°	16	15	160	27	11	20	DC..11T3
S20Q SDUCR/L 11		20	18	180	32	13	25	
S25R SDUCR/L 11		25	23	200	42	17	32	
S32S SDUCR/L 11		32	30	250	55	22	40	

© Inserts must be ordered separately.

© For insert selection, please refer to the insert details on page E31

© Standard tool holders do not have internal cooling.

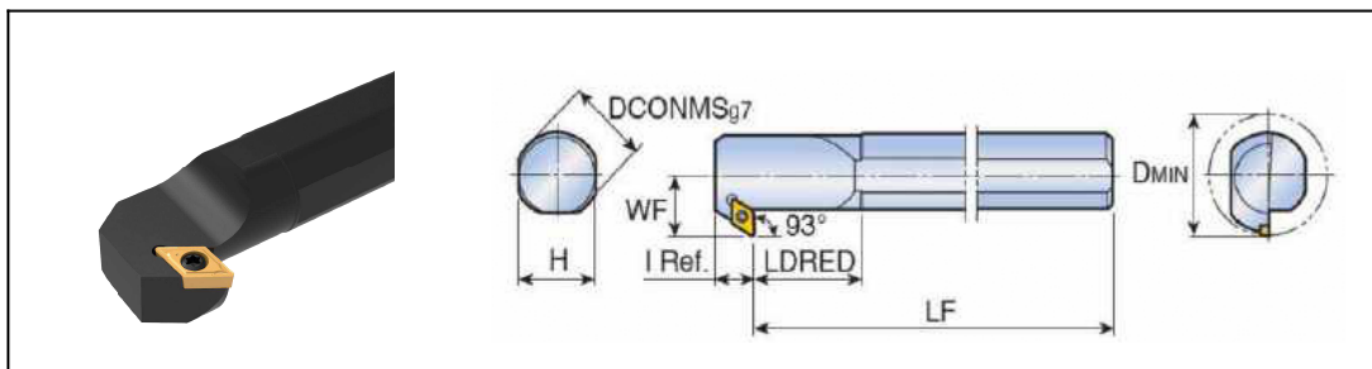
Spare Parts

	Model	Screw	Wrench
	DC..0702	CSC2560	CTS08W
	DC..11T3	CSC4090	CTS15W

S-SDZCR/L



Standard DC Insert, Secured with S-Type Screws, Internal Back Turning Tool Holder.



Model	Kr	Dimension (mm)							Insert
		DCONMS	H	LF	LDRED	WF	Dmin	Ref	
S16N SDZCR/L 07	93°	16	15	160	23	13	22	12	DC. . 0702
S20Q SDZCR/L 07		20	18	180	28	15	30	12	
S25R SDZCR/L 07		25	23	200	33	18	33	12	
S20Q SDZCR/L 11		20	18	180	24	15	27	16	DC. . 11T3
S32T SDZCR/L 11		32	30	300	34	22	40	16	

©Inserts must be ordered separately.

©For insert selection, please refer to the insert details on page E31

©Standard tool holders do not have internal cooling.

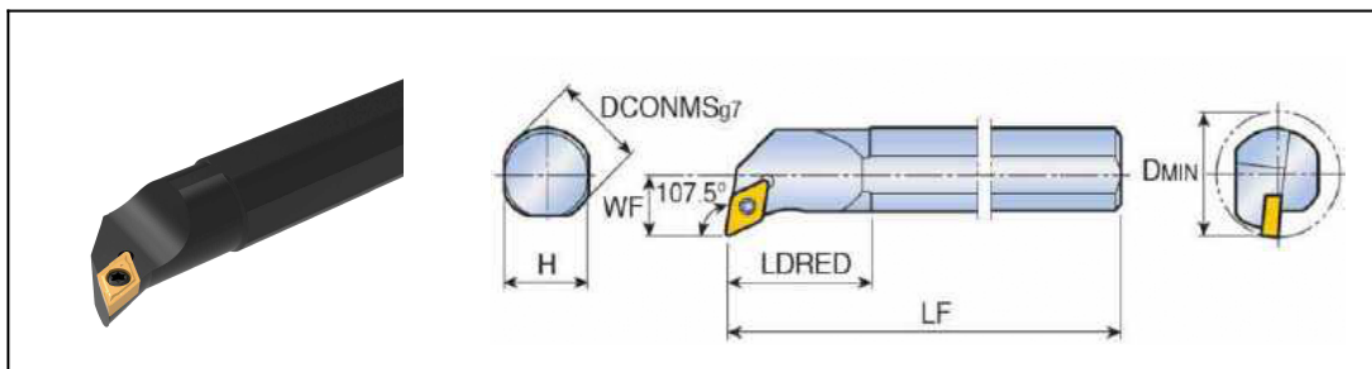
Spare Parts

	Model	Screw	Wrench
	DC. . 0702	CSC2560	CTS08W
	DC. . 11T3	CSC4090	CTS15W

S-SDQCR/L



Standard DC Insert, Secured with S-Type Screws, Internal Turning Tool Holder.



Model	Kr	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	Dmin	
S10K SDQCR/L 07	107.5°	10	9	125	20	7	13	DC..0702
S12M SDQCR/L 07		12	11	150	22	9	16	
S16N SDQCR/L 07		16	15	160	27	11	20	
S20Q SDQCR/L 11	107.5°	20	18	180	40	13	25	DC..11T3
S25R SDQCR/L 11		25	23	200	50	17	32	

© Inserts must be ordered separately.

©For insert selection, please refer to the insert details on page E31

©Standard tool holders do not have internal cooling.

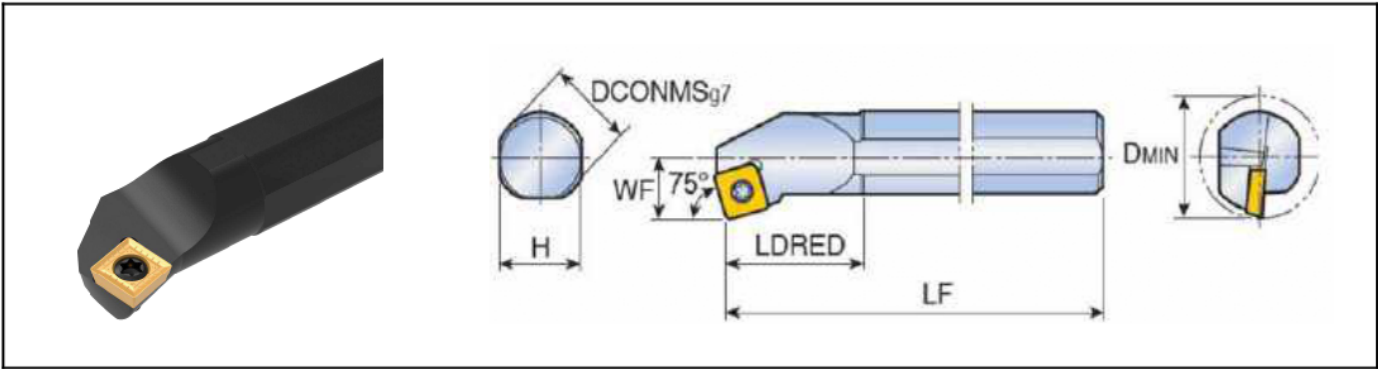
Spare Parts

	Model	Screw	Wrench
	DC..0702	CSC2560	CTS08W
	DC..11T3	CSC4090	CTS15W

S-SSKCR/L



Standard SC Insert, Secured with S-Type Screws, Internal Turning Tool Holder.



Model	Kr	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	Dmin	
S16N SSKCR/L 09	75°	16	15	160	28	11	20	SC.. 09T3
S20Q SSKCR/L 09		20	18	180	30	13	25	
S25R SSKCR/L 12		25	23	200	33	17	32	SC.. 1204

- © Inserts must be ordered separately.
- © For insert selection, please refer to the insert details on page E32
- © Standard tool holders do not have internal cooling.

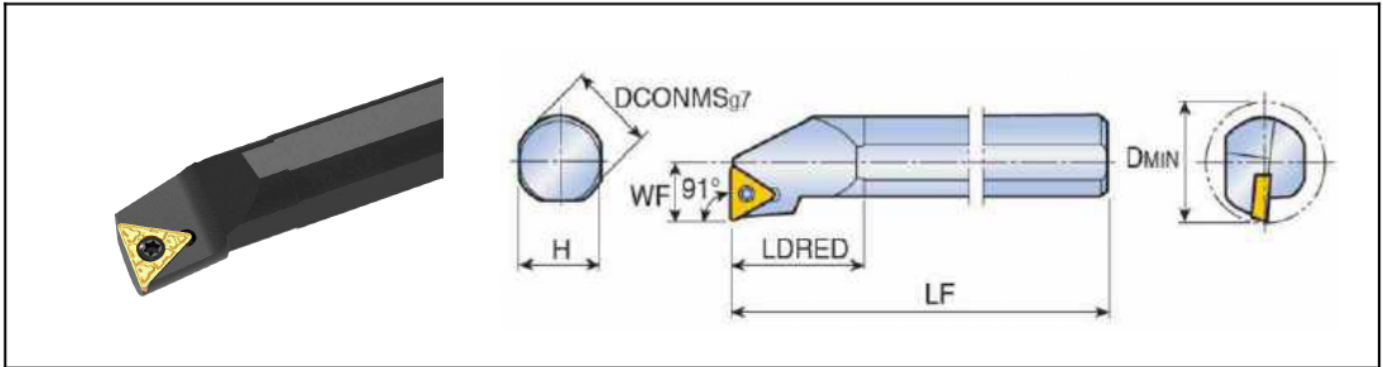
Spare Parts

	Model	Screw	Wrench
	SC.. 09T3	CSC4090	CTS15W
	SC.. 1204	CSC5012	CTS20W

S-STFCR/L



Standard TC Insert, Secured with S-Type Screws Internal Turning Tool Holder.



Model	Kr	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	Dmin	
S08K STFCR/L 09	91°	8	7	125	20	6	11	TC..0902
S10K STFCR/L 09		10	9	125	22.5	7	13	
S12M STFCR/L 09		12	11	150	30	9	16	
S16N STFCR/L 09		16	15	160	35	11	20	
S12M STFCR/L 11	91°	12	11	150	25	9	16	TC..1102
S16N STFCR/L 11		16	15	160	35	11	20	
S20Q STFCR/L 11		20	18	180	36	13	25	
S20Q STFCR/L 16	91°	20	18	180	36	13	25	TC..16T3
S25R STFCR/L 16		25	23	200	49	17	32	
S32S STFCR/L 16		32	30	250	45	22	40	
S40T STFCR/L 16		40	37	300	60	27	50	

© Inserts must be ordered separately.

© For insert selection, please refer to the insert details on page E33

© Standard tool holders do not have internal cooling.

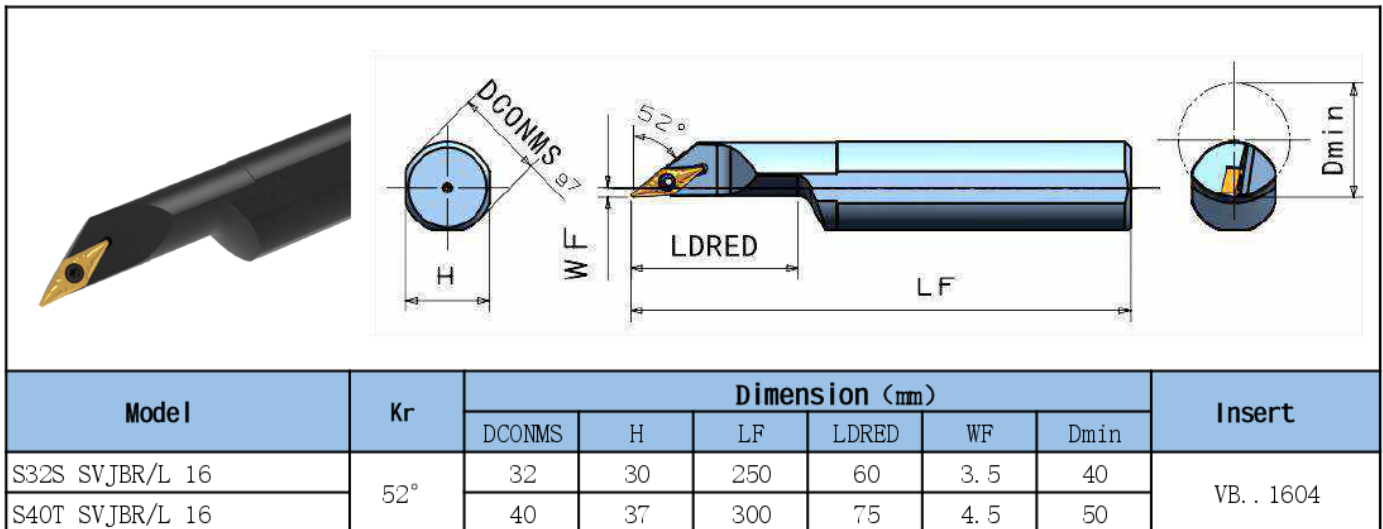
Spare Parts

Model	Screw	Wrench
TC..0902	CSC2250	CTS07W
TC..1102	CSC2560	CTS08W
TC..16T3	CSC4090	CTS15W

S-SVJBR/L, S-SVUBR/L

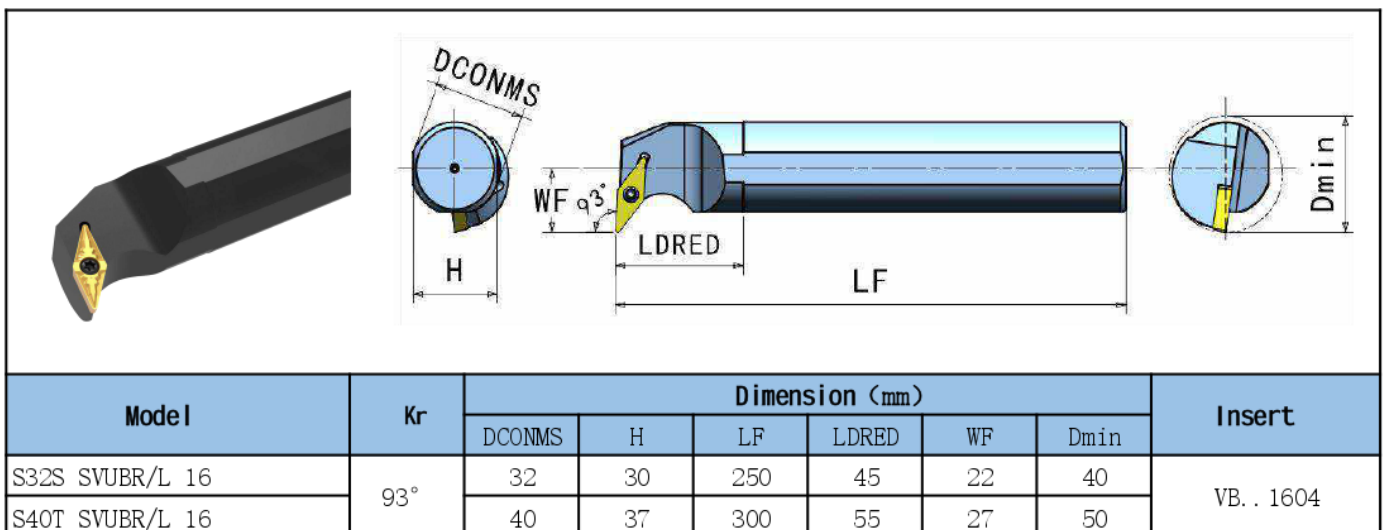


Standard VB Insert, Secured with S-Type Screws, Internal Turning Tool Holder.



©Inserts must be ordered separately; For insert selection, please refer to the insert details on page E34

©Standard tool holders do not have internal cooling.



©Inserts must be ordered separately; For insert selection, please refer to the insert details on page E34

©Standard tool holders do not have internal cooling.

Spare Parts

	Model	Screw	Wrench
	VB. . 1604	CSC4090	CTS15W

S-SVQBR/L, S-SVPBR/L



Standard VB Insert, Secured with S-Type Screws, Internal Turning Tool Holder.

Model	Kr	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	Dmin	
S25R SVQBR/L 16	108°	25	23	200	40	17	32	VB..1604
S32S SVQBR/L 16		32	30	250	45	22	40	
S40T SVQBR/L 16		40	37	300	55	27	50	

©Inserts must be ordered separately.; For insert selection, please refer to the insert details on page E34

©Standard tool holders do not have internal cooling.

Model	Kr	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	Dmin	
S25R SVPBR/L 16	117.5°	25	23	200	51	18	31	VB..1604
S32S SVPBR/L 16		32	30	250	54	23	40	

©Inserts must be ordered separately.; For insert selection, please refer to the insert details on page E34

©Standard tool holders do not have internal cooling.

Spare Parts

Model	Screw	Wrench
VB..1604	CSC4090	CTS15W

S-SVUCR/L, S-SVQCR/L



Standard VC Insert, Secured with S-Type Screws, Internal Turning Tool Holder.

Model	Kr	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	Dmin	
S32S SVUCR/L 16	93°	32	30	250	35	22	40	VC..1604
S40T SVUCR/L 16		40	37	300	41	27	50	

©Inserts must be ordered separately. For insert selection, please refer to the insert details on page E34

©Standard tool holders do not have internal cooling.

Model	Kr	Dimension (mm)						Insert
		DCONMS	H	LF	LDRED	WF	Dmin	
S32S SVQCR/L 16	108°	32	30	250	45	22	40	VC..1604
S40T SVQCR/L 16		40	37	300	55	27	50	

©Inserts must be ordered separately.; For insert selection, please refer to the insert details on page E34

©Standard tool holders do not have internal cooling.

Spare Parts

Model	Screw	Wrench
VC..1604	CSC4090	CTS15W