

red**dot** winner 2025

The **2025 German Red Dot Product Design** Award Winner

KX6 STABLE CLAMPING SIX HEADS INSERTS



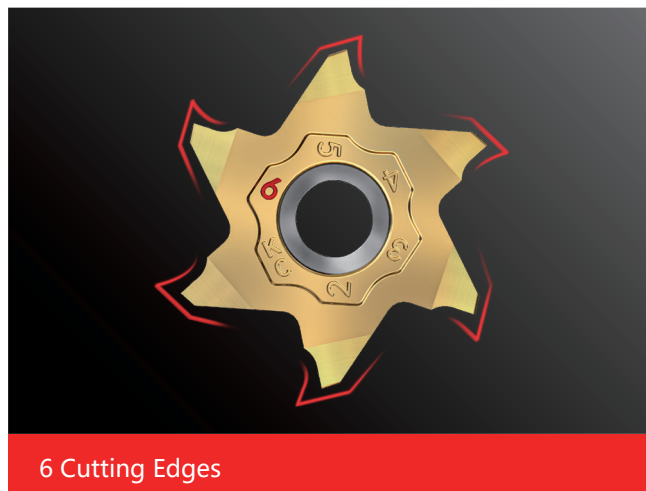
KX618

Stable clamping 6 heads series



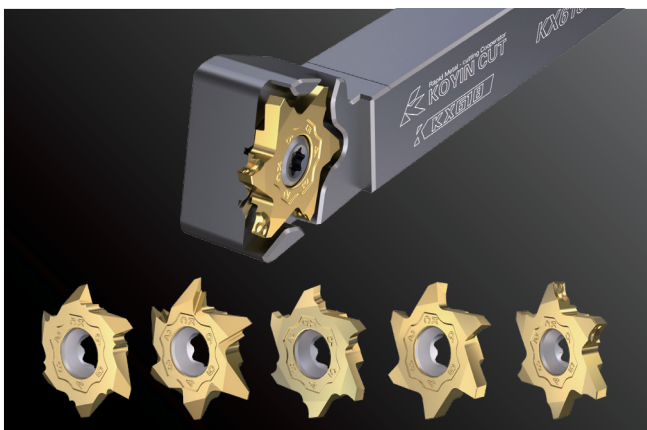
FEATURES AND ADVANTAGES

KX618 Stable Clamping
Six Heads Inserts



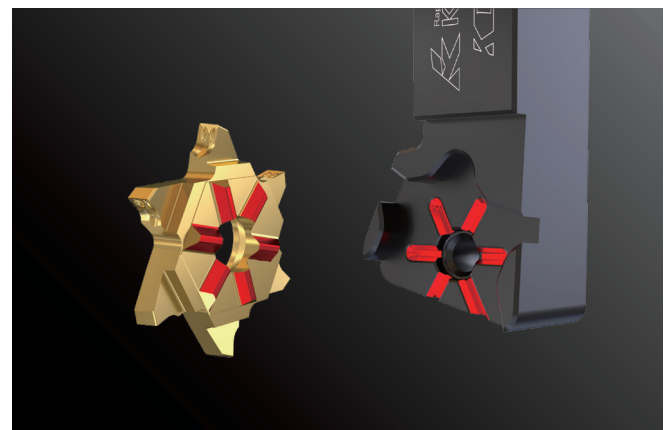
6 Cutting Edges

Auch economical as its cutting edges is as twice as triangular inserts



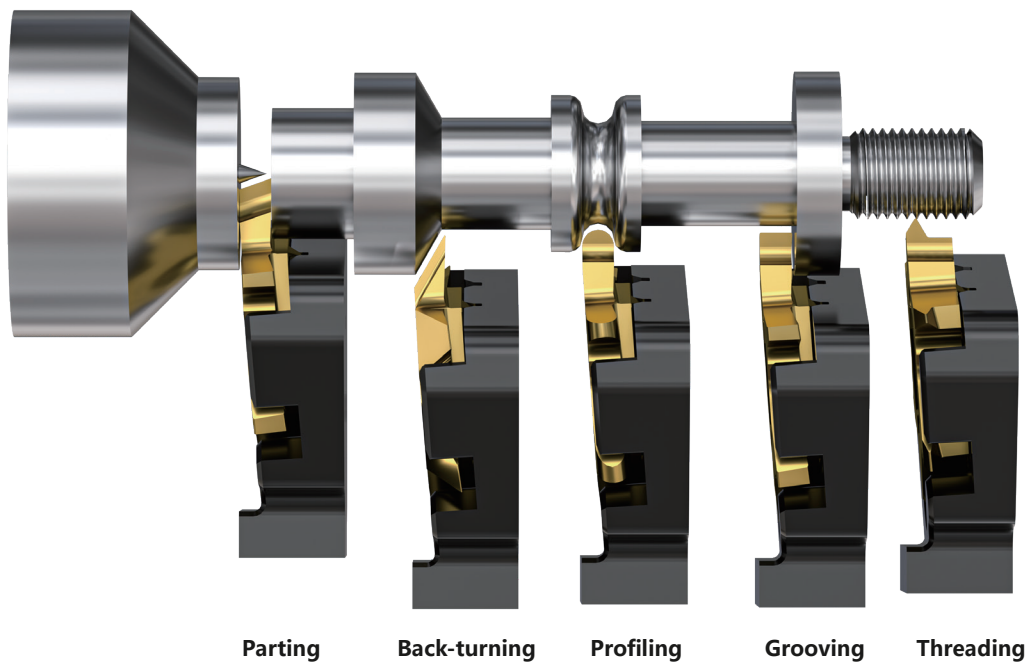
Multiple tools for different purposes

Available with grooving, threading, back-turning, parting, circular grooving and etc



strengthened zero positioning slot

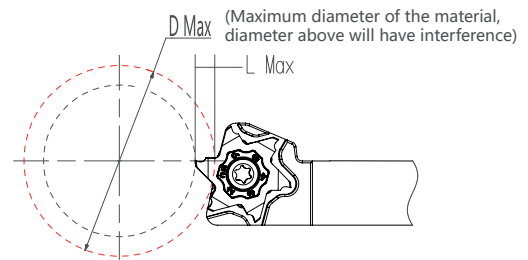
*** Shape clamping to make it stable



● Notice

- 1.Maximum Diameter of parting is 7MM
- 2.Maximum Diameter of parting is 3.5MM,Groove depth varies according to the diameter of the material, please refer to the figure below

Dmax	32	42	51	65	100
Lmax	3.5	3.3	3.2	3.0	2.5



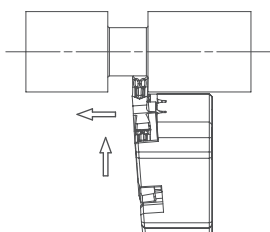
Symbols of KX618 Grooving Tools

		GT: back-turning tools		025: 0.25	250: 2.5	035: R0.35	N/A: Strengthened Edge	
KX618: KX618 Series	G: grooving tools	R: right handed	125: 1.25	300: 3.0	005: R0.05	F: sharpened edge		
						E: passivated edge	GM: groove Profile	
Series	Insert Type	Insert Direction	Edge width	Effective cutting depth	Nose Radius	Edge treatments		
KX618	G	R	125	300	005	F	GM	

GM Super Cutter

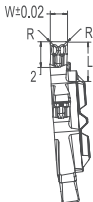
New

Application Examples



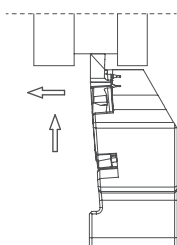
◆ Recommended
◆ Suitable
◇ Applicable

P	Soft steel	◆	◇	◆		◆	◆		
	Carbide	◆	◇	◆		◆	◆		
M	Austenitic	◆	◆	◆	◆	◆			
	Martensitic	◇	◆	◆	◆	◆			
K	Grey Cast Iron			◇					
	Ductile Cast Iron			◇					
N	Nonferrous							◆	◆
S	Heat Resisting Alloy		◆	◆	◆	◆			
	Titanium Alloy		◆	◆	◆	◆			
H	Hardened Materials			◆					

Shape Right Handed Tool	Type	Size			PVD Coated Cemented Carbide								cemented carbide
		W	L	R	KPM30N	KXM15S	KHS10M	KMS20	KMS15C	KCP10P	KCN10D	KCN10	
 	KX618GTR 150-350-005-GM	1.5	3.5	0.05		●	●						
	KX618GTR 150-350-010-GM	1.5	3.5	0.1		●	●						
	KX618GTR 150-350-020-GM	1.5	3.5	0.2		●	●						
	KX618GTR 200-350-010-GM	2	3.5	0.1		●	●						
	KX618GTR 200-350-020-GM	2	3.5	0.2		●	●						

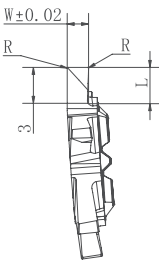
GTR Back-turning Tools

Application Examples



◆ Recommended
◆ Suitable
◇ Applicable

P	Soft steel	◆	◇	◆		◆	◆		
	Carbide	◆	◇	◆		◆	◆		
M	Austenitic	◆	◆	◆	◆	◆			
	Martensitic	◇	◆	◆	◆	◆			
K	Grey Cast Iron			◇					
	Ductile Cast Iron			◇					
N	Nonferrous							◆	◆
S	Heat Resisting Alloy		◆	◆	◆	◆			
	Titanium Alloy		◆	◆	◆	◆			
H	Hardened Materials			◆					

Shape Right Handed Tool	Type	Size			PVD Coated Cemented Carbide								cemented carbide
		W	L	R	KPM30N	KXM15S	KHS10M	KMS20	KMS15C	KCP10P	KCN10D	KCN10	
 	KX618GTR 100-250-005	1	2.5	0.05		●	●						
	KX618GTR 100-250-010	1	2.5	0.1		●	●						
	KX618GTR 125-300-010	1.25	3	0.1		●	●						
	KX618GTR 150-350-010	1.5	3.5	0.1		●	●						
	KX618GTR 150-350-020	1.5	3.5	0.2		●	●						
	KX618GTR 175-350-010	1.75	3.5	0.1		●	●						
	KX618GTR 175-350-020	1.75	3.5	0.2		●	●						
	KX618GTR 200-350-010	2	3.5	0.1		●	●						
	KX618GTR 200-350-020	2	3.5	0.2		●	●						

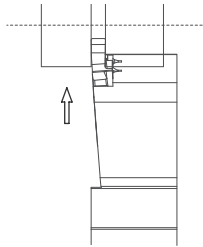
Grades: ◆ Recommended ◆ Suitable ◇ Applicable

● Standard Stock

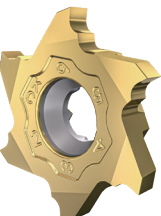
KX618 Stable Clamping
Six Heads Inserts

GR Grooving Tools

Application Examples



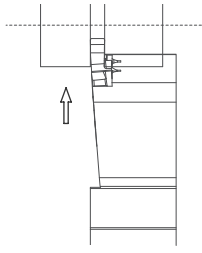
P	Soft steel	◆	◇	◆		◆	◆		
	Carbide	◆	◇	◆		◆	◆		
M	Austenitic	◆	◆	◆	◆	◆			
	Martensitic	◇	◆	◆	◆	◆			
K	Grey Cast Iron			◇					
	Ductile Cast Iron			◇					
N	Nonferrous							◆	◆
S	Heat Resisting Alloy		◆	◆	◆	◆			
	Titanium Alloy		◆	◆	◆	◆			
H	Hardened Materials			◆					

Shape Right Handed Tool	Type	Size			PVD Coated Cemented Carbide								cemented carbide
		W	L	R	KPM30N	KXM15S	KHS10M	KMS20	KMS15C	KCP10P	KCN10D	KCN10	
	KX618GR 050-150-005	0.5	1.5	0.05		●	●						
	KX618GR 060-150-005	0.6	1.5	0.05		●	●						
	KX618GR 070-150-005	0.7	1.5	0.05		●	●						
	KX618GR 075-150-005	0.75	1.5	0.05		●	●						
	KX618GR 070-200-005	0.7	2.0	0.05		●	●						
	KX618GR 075-200-005	0.75	2.0	0.05		●	●						
	KX618GR 080-200-005	0.8	2.0	0.05		●	●						
	KX618GR 090-200-005	0.9	2.0	0.05		●	●						
	KX618GR 100-200-005	1.0	2.0	0.05		●	●						
	KX618GR 100-200-010	1.0	2.0	0.1		●	●						
	KX618GR 110-200-005	1.1	2.0	0.05		●	●						
	KX618GR 110-200-010	1.1	2.0	0.1		●	●						
	KX618GR 120-200-005	1.2	2.0	0.05		●	●						
	KX618GR 120-200-010	1.2	2.0	0.1		●	●						
	KX618GR 125-200-005	1.25	2.0	0.05		●	●						
	KX618GR 125-200-005F NEW	1.25	2.0	0.05		●	●						
	KX618GR 125-200-010	1.25	2.0	0.1		●	●						
	KX618GR 130-200-010	1.3	2.0	0.1		●	●						
	KX618GR 130-200-020	1.3	2.0	0.2		●	●						
	KX618GR 140-200-010	1.4	2.0	0.1		●	●						
	KX618GR 140-200-020	1.4	2.0	0.2		●	●						
	KX618GR 150-200-010	1.5	2.0	0.1		●	●						
	KX618GR 150-200-010F NEW	1.5	2.0	0.1		●	●						
	KX618GR 150-200-020	1.5	2.0	0.2		●	●						
	KX618GR 160-200-010	1.6	2.0	0.1		●	●						
	KX618GR 160-200-020	1.6	2.0	0.2		●	●						
	KX618GR 170-200-010	1.7	2.0	0.1		●	●						
	KX618GR 170-200-020	1.7	2.0	0.2		●	●						
	KX618GR 175-200-010	1.75	2.0	0.1		●	●						
	KX618GR 175-200-010F NEW	1.75	2.0	0.1		●	●						
	KX618GR 175-200-020	1.75	2.0	0.2		●	●						
	KX618GR 100-300-005	1.0	3.0	0.05		●	●						
	KX618GR 100-300-005F NEW	1.0	3.0	0.05		●	●						
	KX618GR 100-300-010	1.0	3.0	0.1		●	●						
	KX618GR 100-300-010E NEW	1.0	3.0	0.1		●	●						
	KX618GR 110-300-005	1.1	3.0	0.05		●	●						
	KX618GR 110-300-010	1.1	3.0	0.1		●	●						
	KX618GR 120-300-005	1.2	3.0	0.05		●	●						
	KX618GR 120-300-010	1.2	3.0	0.1		●	●						
	KX618GR 125-300-005	1.25	3.0	0.05		●	●						
	KX618GR 125-300-005F NEW	1.25	3.0	0.05		●	●						
	KX618GR 125-300-010	1.25	3.0	0.1		●	●						
	KX618GR 125-300-010E NEW	1.25	3.0	0.1		●	●						
	KX618GR 130-300-010	1.3	3.0	0.1		●	●						
	KX618GR 130-300-020	1.3	3.0	0.2		●	●						
	KX618GR 140-300-010	1.4	3.0	0.1		●	●						
	KX618GR 140-300-020	1.4	3.0	0.2		●	●						
	KX618GR 150-300-010	1.5	3.0	0.1		●	●						
	KX618GR 150-300-010F NEW	1.5	3.0	0.1		●	●						
	KX618GR 150-300-020	1.5	3.0	0.2		●	●						
	KX618GR 150-300-020E NEW	1.5	3.0	0.2		●	●						
	KX618GR 160-300-010	1.6	3.0	0.1		●	●						
	KX618GR 160-300-020	1.6	3.0	0.2		●	●						

Grades: ◆ Recommended ◇ Suitable ◇ Applicable ● Standard Stock

GR Grooving Tools

Application Examples



Recommended
 Suitable
 Applicable

P	Soft steel	◆	◇	◆		◆	◆					
	Carbide	◆	◇	◆		◆	◆					
M	Austenitic	◆	◆	◆	◆	◆	◆					
	Martensitic	◇	◆	◆	◆	◆						
K	Grey Cast Iron			◇								
	Ductile Cast Iron			◇								
N	Nonferrous									◆	◆	
S	Heat Resisting Alloy		◆	◆	◆	◆	◆					
	Titanium Alloy		◆	◆	◆	◆	◆					
H	Hardened Materials			◆								

Shape
 Right Handed Tool

Type

Size

PVD Coated Cemented Carbide

cemented carbide

W

L

R

KPM30N

KXM15S

KH10M

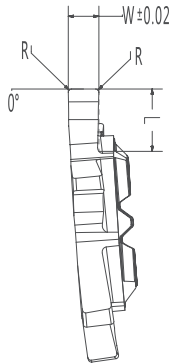
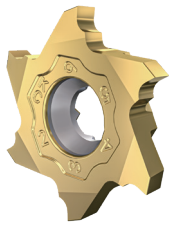
KMS20

KMS15C

KCP10P

KCN10D

KCN10



KX618GR 170-300-010	1.7	3.0	0.1		●	●						
KX618GR 170-300-020	1.7	3.0	0.2		●	●						
KX618GR 175-300-010	1.75	3.0	0.1		●	●						
KX618GR 175-300-010F	1.75	3.0	0.1		●	●						
KX618GR 175-300-010E	1.75	3.0	0.1		●	●						
KX618GR 175-300-020	1.75	3.0	0.2		●	●						
KX618GR 180-300-010	1.8	3.0	0.1		●	●						
KX618GR 180-300-020	1.8	3.0	0.2		●	●						
KX618GR 190-300-010	1.9	3.0	0.1		●	●						
KX618GR 190-300-020	1.9	3.0	0.2		●	●						
KX618GR 200-300-010	2.0	3.0	0.1		●	●						
KX618GR 200-300-010F	2.0	3.0	0.1		●	●						
KX618GR 200-300-020	2.0	3.0	0.2		●	●						
KX618GR 200-300-020E	2.0	3.0	0.2		●	●						
KX618GR 210-300-010	2.1	3.0	0.1		●	●						
KX618GR 210-300-020	2.1	3.0	0.2		●	●						
KX618GR 220-300-010	2.2	3.0	0.1		●	●						
KX618GR 220-300-020	2.2	3.0	0.2		●	●						
KX618GR 230-300-010	2.3	3.0	0.1		●	●						
KX618GR 230-300-020	2.3	3.0	0.2		●	●						
KX618GR 240-300-010	2.4	3.0	0.1		●	●						
KX618GR 240-300-020	2.4	3.0	0.2		●	●						
KX618GR 250-300-010	2.5	3.0	0.1		●	●						
KX618GR 250-300-010F	2.5	3.0	0.1		●	●						
KX618GR 250-300-020	2.5	3.0	0.2		●	●						
KX618GR 150-350-010	1.5	3.5	0.1		●	●						
KX618GR 150-350-010F	1.5	3.5	0.1		●	●						
KX618GR 150-350-020	1.5	3.5	0.2		●	●						
KX618GR 150-350-020E	1.5	3.5	0.2		●	●						
KX618GR 160-350-010	1.6	3.5	0.1		●	●						
KX618GR 160-350-020	1.6	3.5	0.2		●	●						
KX618GR 170-350-010	1.7	3.5	0.1		●	●						
KX618GR 170-350-020	1.7	3.5	0.2		●	●						
KX618GR 175-350-010	1.75	3.5	0.1		●	●						
KX618GR 175-350-010F	1.75	3.5	0.1		●	●						
KX618GR 175-350-020	1.75	3.5	0.2		●	●						
KX618GR 175-350-020E	1.75	3.5	0.2		●	●						
KX618GR 180-350-010	1.8	3.5	0.1		●	●						
KX618GR 180-350-020	1.8	3.5	0.2		●	●						
KX618GR 190-350-010	1.9	3.5	0.1		●	●						
KX618GR 190-350-020	1.9	3.5	0.2		●	●						
KX618GR 200-350-010	2.0	3.5	0.1		●	●						
KX618GR 200-350-010F	2.0	3.5	0.1		●	●						
KX618GR 200-350-020	2.0	3.5	0.2		●	●						
KX618GR 200-350-020E	2.0	3.5	0.2		●	●						
KX618GR 210-350-010	2.1	3.5	0.1		●	●						
KX618GR 210-350-020	2.1	3.5	0.2		●	●						
KX618GR 220-350-010	2.2	3.5	0.1		●	●						
KX618GR 220-350-020	2.2	3.5	0.2		●	●						
KX618GR 230-350-010	2.3	3.5	0.1		●	●						
KX618GR 230-350-020	2.3	3.5	0.2		●	●						
KX618GR 240-350-010	2.4	3.5	0.1		●	●						
KX618GR 240-350-020	2.4	3.5	0.2		●	●						
KX618GR 250-350-010	2.5	3.5	0.1		●	●						
KX618GR 250-350-010F	2.5	3.5	0.1		●	●						
KX618GR 250-350-020	2.5	3.5	0.2		●	●						
KX618GR 250-350-020E	2.5	3.5	0.2		●	●						

Grades: ◆ Recommended ◇ Suitable ◇ Applicable

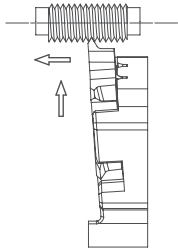
● Standard Stock

Symbols of KX618 Threading Tools

KX618: KX618 Series	T: Threading Tools	R: right handed	040: 0.4	A: left				005: R0.05
			080: 0.8	B: right		55: 55°		010: R0.1
			125: 1.25	N: central		60: 60°		020: R0.2
Series	Insert Type	Insert Direction	Tip width	Blade shape	—	Thread Angle	—	Nose Radius
KX618	T	R	125	A	—	60	—	005

TR Threading Tools

Application Examples

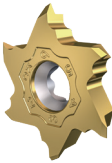
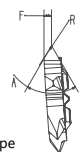


◆ Recommended

◊ Suitable

◇ Applicable

P	Soft steel	◆	◇	◆		◆	◆		
	Carbide	◆	◇	◆		◆	◆		
M	Austenitic	◆	◆	◆	◆	◆			
	Martensitic	◇	◆	◆	◆	◆			
K	Grey Cast Iron			◇					
	Ductile Cast Iron			◇					
N	Nonferrous							◆	◆
S	Heat Resisting Alloy		◆	◆	◆	◆			
	Titanium Alloy		◆	◆	◆	◆			
H	Hardened Materials			◆					

Shape Right Handed Tool		Type	Size					PVD Coated Cemented Carbide							Cemented carbide
			F	A	R	pitch (mm)	teeth per inch	KPM30N	KXM15S	KH10M	KMS20	KMS15C	KCP10P	KCN10D	KCN10
		KX618TR 040-A-60-005	0.4	60°	0.05	0.2~0.75	127~34		●	●					
		KX618TR 040-A-60-010	0.4	60°	0.1	0.2~0.75	127~34		●	●					
		KX618TR 040-A-60-020	0.4	60°	0.2	0.2~0.75	127~34		●	●					
		KX618TR 080-A-60-005	0.8	60°	0.05	0.4~1.25	63~21		●	●					
		KX618TR 080-A-60-010	0.8	60°	0.1	0.4~1.25	63~21		●	●					
		KX618TR 080-A-60-020	0.8	60°	0.2	0.4~1.25	63~21		●	●					
		KX618TR 080-A-55-005	0.8	55°	0.05		40~16		●	●					
		KX618TR 080-A-55-010	0.8	55°	0.1		24~20		●	●					
		KX618TR 040-B-60-005	0.4	60°	0.05	0.2~0.75	127~34		●	●					
		KX618TR 040-B-60-010	0.4	60°	0.1	0.2~0.75	127~34		●	●					
		KX618TR 040-B-60-020	0.4	60°	0.2	0.2~0.75	127~34		●	●					
		KX618TR 080-B-60-005	0.8	60°	0.05	0.4~1.25	63~21		●	●					
		KX618TR 080-B-60-010	0.8	60°	0.1	0.4~1.25	63~21		●	●					
		KX618TR 080-B-60-020	0.8	60°	0.2	0.4~1.25	63~21		●	●					
		KX618TR 080-B-55-005	0.8	55°	0.05		40~16		●	●					
		KX618TR 080-B-55-010	0.8	55°	0.1		24~20		●	●					
		KX618TR 125-N-60-015	1.25	60°	0.15	1.0~1.25	25~17		●	●					
		KX618TR 125-N-60-020	1.25	60°	0.2	1.0~1.25	25~17		●	●					
		KX618TR 125-N-55-015	1.25	55°	0.15		20~11		●	●					

Grades: ◆ Recommended ◊ Suitable ◇ Applicable

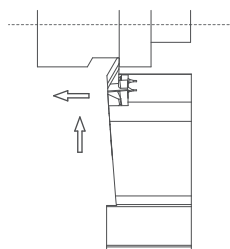
● Standard Stock

Symbols of KX618 Back-turning Tools

KX618: KX618 Series	B: Back-turning	R: right handed	005: R0.05		N/A: Strengthened Edge
			010: R0.1		F: sharpened edge
			015: R0.15		E: passivated edge
Series	Insert Type	Insert Direction	Nose Radius	With chipbreaking slot	Edge treatments
KX618	B	R	005	S	F

TB Back-turning Tools

Application Examples

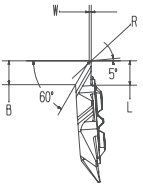


Recommended

Suitable

Applicable

P	Soft steel	◆	◇	◆		◆	◆		
	Carbide	◆	◇	◆		◆	◆		
M	Austenitic	◆	◆	◆	◆	◆			
	Martensitic	◇	◆	◆	◆	◆			
K	Grey Cast Iron			◇					
	Ductile Cast Iron			◇					
N	Nonferrous								◆
S	Heat Resisting Alloy		◆	◆	◆	◆			
	Titanium Alloy		◆	◆	◆	◆			
H	Hardened Materials			◆					

Shape Right Handed Tool	Type	Size				PVD Coated Cemented Carbide							Cemented carbide
		W	L	R	B	KPM30N	KXM15S	KH510M	KMS20	KMS15C	KCP10P	KCN10D	KCN10
 	KX618BR 005-S	0.3	3.5	<0.05	3.5		●	●					
	KX618BR 010-S	0.3	3.5	<0.1	3.5		●	●					
	KX618BR 015-S	0.3	3.5	<0.15	3.5		●	●					
	KX618BR 020-SE New	0.3	3.5	<0.2	3.5		●	●					

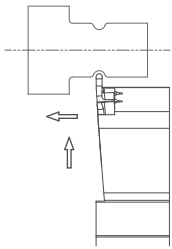
KX618 Stable Clamping
Six Heads Inserts

Symbols of KX618 Circular Grooving Tools

KX618: KX618 series	R: Circular Grooving Tools	R: right handed	050: R0.5	-	150: 1.5
			125: R1.25		200: 2.0
					350: 3.5
Series	Insert Type	Insert Direction	Nose radius	-	Effective cutting depth
KX618	R	R	050	-	200

RR Circular Grooving Tools

Application Examples



◆ Recommended

◆ Suitable

◇ Applicable

P	Soft steel	◆	◇	◆		◆	◆					
	Carbide	◆	◇	◆		◆	◆					
M	Austenitic	◆	◆	◆	◆	◆						
	Martensitic	◇	◆	◆	◆	◆						
K	Grey Cast Iron			◇								
	Ductile Cast Iron			◇								
N	Nonferrous									◆	◆	
S	Heat Resisting Alloy		◆	◆	◆	◆						
	Titanium Alloy		◆	◆	◆	◆						
H	Hardened Materials			◆								

Shape Right Handed Tool	Type	Size			PVD Coated Cemented Carbide							Cemented carbide
		W	L	R	KPM30N	KXM15S	KH10M	KMS20	KMS15C	KCP10P	KCN10D	KCN10
	KX618RR 035-150	0.7	1.5	0.35		●	●					
	KX618RR 050-200	1.0	2.0	0.5		●	●					
	KX618RR 060-200	1.2	2.0	0.6		●	●					
	KX618RR 075-350	1.5	3.5	0.75		●	●					
	KX618RR 100-350	2.0	3.5	1.0		●	●					
	KX618RR 125-350	2.5	3.5	1.25		●	●					

Grades: ◆ Recommended ◆ Suitable ◇ Applicable

● Standard Stock

Symbols of KX618 flat Parting Tools

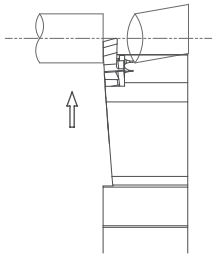
KX618: KX618 Series	C: parting tools	R: right handed	050: 0.5	-	S: R0.03-R0.05	N/A: Strengthened Edge
			125: 1.25			F: sharpened edge
						P: R0.08
Series	parting tools	Insert Direction	edge width	-	Nose Radius	Edge treatments
KX618	C	R	125	-	S	F

Symbols of KX618 Parting Tools With lead Angle

KX618: KX618 Series	C: parting tools	R: right handed	050: 0.5	20D: 20°	R: with right lead angle L: with left lead angle	N: without chipbreaking slot and nose radius	N/A: Strengthened Edge
			125: 1.25	16D: 16°		S: R0.03-R0.05	F: sharpened edge
				11D: 11°		P: R0.08	E: passivated edge
Series	Insert Type	Insert Direction	edge width	lead angle	lead direction	Nose Radius/other	Edge treatments
KX618	C	R	125	16D	R	S	F

CR Parting Tools

Application Examples



◆ Recommended
◆ Suitable
◇ Applicable

P	Soft steel	◆	◇	◆		◆	◆						
	Carbide	◆	◇	◆		◆	◆						
M	Austenitic	◆	◆	◆		◆	◆						
	Martensitic	◇	◆	◆		◆	◆						
K	Grey Cast Iron			◇									
	Ductile Cast Iron			◇									
N	Nonferrous										◆	◆	
S	Heat Resisting Alloy			◆		◆	◆		◆	◆			
	Titanium Alloy			◆		◆	◆		◆	◆			
H	Hardened Materials			◆									

Shape Right Handed Tool	Type	Size				PVD Coated Cemented Carbide								Cemented carbide
		W	Maximum Diameter of parting (DMax)	R	D	KPM30N	KXM15S	KH10M	KMS20	KMS15C	KCP10P	KCN10D	KCN10	
 flat	KX618CR 050-S	0.5	7	0.03-0.05	0°		●	●						
	KX618CR 070-S	0.7	7	0.03-0.05	0°		●	●						
	KX618CR 100-S	1.0	7	0.03-0.05	0°		●	●						
	KX618CR 125-S	1.25	7	0.03-0.05	0°		●	●						
	KX618CR 125-SE New	1.25	7	0.03-0.05	0°		●	●						
	KX618CR 150-S	1.5	7	0.03-0.05	0°		●	●						
 flat strengthened edge	KX618CR 150-SE New	1.5	7	0.03-0.05	0°		●	●						
	KX618CR 100-P	1.0	3	0.08±0.01	0°		●	●						
	KX618CR 125-P	1.25	7	0.08±0.01	0°		●	●						
	KX618CR 125-PE New	1.25	7	0.08±0.01	0°		●	●						
	KX618CR 150-P	1.5	7	0.08±0.01	0°		●	●						
 with right lead angle	KX618CR 150-PE New	1.5	7	0.08±0.01	0°		●	●						
	KX618CR 100-11DR-S	1.0	3	0.03-0.05	11°		●	●						
	KX618CR 125-11DR-S	1.25	7	0.03-0.05	11°		●	●						
	KX618CR 150-11DR-S	1.5	7	0.03-0.05	11°		●	●						
 with right lead angle strengthened edge	KX618CR 100-11DR-P	1.0	3	0.08±0.01	11°		●	●						
	KX618CR 125-11DR-P	1.25	7	0.08±0.01	11°		●	●						
	KX618CR 150-11DR-P	1.5	7	0.08±0.01	11°		●	●						
	KX618CR 050-16DR-S	0.5	3	0.03-0.05	16°		●	●						
	KX618CR 070-16DR-S	0.7	3	0.03-0.05	16°		●	●						
 with right lead angle	KX618CR 100-16DR-S	1.0	3	0.03-0.05	16°		●	●						
	KX618CR 125-16DR-S	1.25	7	0.03-0.05	16°		●	●						
	KX618CR 150-16DR-S	1.5	7	0.03-0.05	16°		●	●						
	KX618CR 100-16DR-P	1.0	3	0.08±0.01	16°		●	●						
 with right lead angle strengthened edge	KX618CR 125-16DR-P	1.25	7	0.08±0.01	16°		●	●						
	KX618CR 150-16DR-P	1.5	7	0.08±0.01	16°		●	●						
	KX618CR 070-20DR-N	0.7	3	0	20°		●	●						
	KX618CR 100-20DR-N	1.0	7	0	20°		●	●						
 with right lead angle without chipbreaking slot	KX618CR 125-20DR-N	1.25	7	0	20°		●	●						
	KX618CR 150-20DR-N	1.5	7	0	20°		●	●						

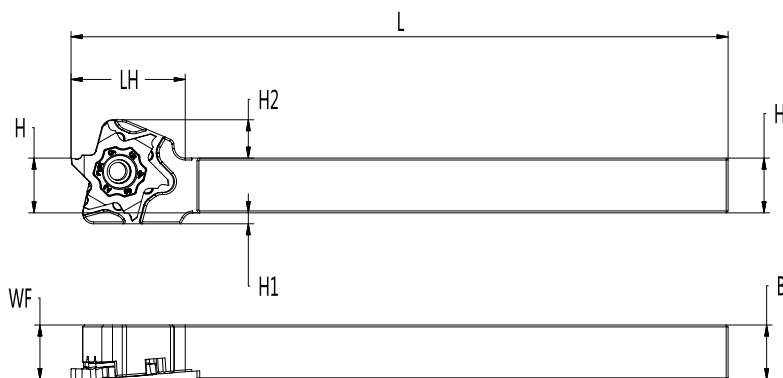
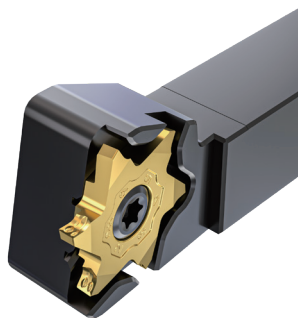
Grades: ◆ Recommended ◆ Suitable ◇ Applicable

● Standard Stock

Symbols of KX618 Tool Holders

					M: 150
					JX: 120
					J: 110
					H: 100
KX618: KX618 Series	R: right handed				
Series	Holder Direction	-	Tool Height	Tool Width	Tool Length
KX618	R	-	12	12	JX

KX618 Holders



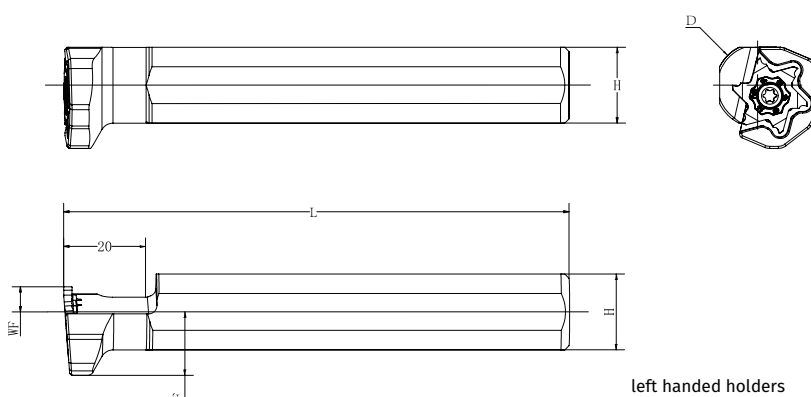
Right Handed Tool holder (R)

Type	Size(mm)							Accessories		Corresponding Insert
	H	B	L	LH	WF	H1	H2	Screw	Wrenth	
KX618R -1010JX	10	10	120	20	10	2	7	KS-4008-T	KW-T15	KX618□R □□□
KX618R -1212JX	12	12	120	20	12	0	7	KS-4008-T	KW-T15	KX618□R □□□
KX618R -1616JX	16	16	120	20	16	0	7	KS-4008-T	KW-T15	KX618□R □□□
KX618R -2020JX	20	20	120	20	20	0	7	KS-4008-T	KW-T15	KX618□R □□□
KX618R -2525M	25	25	150	20	25	0	7	KS-4008-T	KW-T15	KX618□R □□□

S-KX618-F Holders

	14: Diameter14						
	15: Diameter15.875						
	16: Diameter16						
	19: Diameter19.05						
	20: Diameter20	M: 150					
	22: Diameter22	JX:120					
	25: Diameter25	J: 110					
S: screw clamping	254: Diameter25.4	H: 100		KX618: KX618Series	L: left handed		F: for turret lathe
clamping method	Diameter of toolholders	Tool Length	—	Series	Holder Direction	—	Others
S	20	JX	—	KX618	L	—	F

Tool Holder for S-KX618-F (socket holder for external machining)



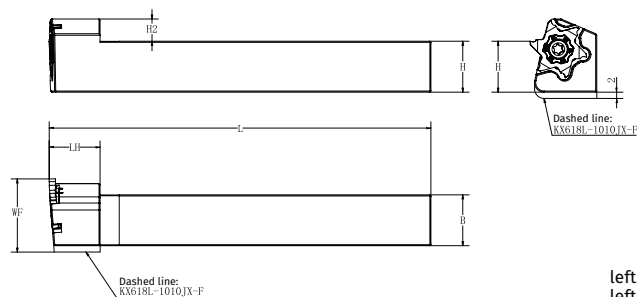
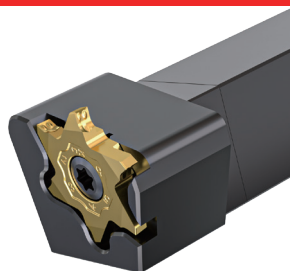
left handed holders
left handed holders are for roght hand inserts

Type	Size(mm)					Accessories		Corresponding Insert
	D	H	WF	L	F	Screw	Wrenth	
S14H-KX618L-F	14	13	6	100	15	KS-4008-T	KW-T15	KX618□R □□□
S16G-KX618L-F	16	15	6	95	15	KS-4008-T	KW-T15	KX618□R □□□
S19JX-KX618L-F	19.05	18	6	120	15	KS-4008-T	KW-T15	KX618□R □□□
S20JX-KX618L-F	20	19	6	120	15	KS-4008-T	KW-T15	KX618□R □□□
S22JX-KX618L-F	22	21	10	120	11	KS-4008-T	KW-T15	KX618□R □□□
S25H-KX618L-F	25	24	10	100	11	KS-4008-T	KW-T15	KX618□R □□□
S254JX-KX618L-F	25.4	24	10	120	11	KS-4008-T	KW-T15	KX618□R □□□

Symbols of KX618-F

					JX: 120			
					J: 110			
KX618: KX618 Series	L: left handed				H: 100	F: for turret lathe		
Series	Holder Direction	—	Holder Heigh	Tool Width	Tool Length	—	Others	
KX618	L	—	12	12	JX	—	F	

KX618-F Holders



left handed holders
left handed holders are for right hand inserts

Type	Size(mm)						Accessories		Corresponding Insert
	H	B	L	LH	H2	WF	Screw	Wrench	
KX618L-1212JX-F	12	12	120	16	9	19	KS-4008-T	KW-T15	KX618□R □□□
KX618L-1616JX-F	16	16	120	16	9	21	KS-4008-T	KW-T15	KX618□R □□□
KX618L-2020JX-F	20	20	120	16	9	25	KS-4008-T	KW-T15	KX618□R □□□

Recommend Parameters For Machining-KX618

GM Super Cutter		
Edge width	Radial feed f(mm/rev)	Parameters for cross feed
1.5-2.0	0.04-0.1	AP: W*0.5 f: 0.04-0.1

GTR Back-turning Tools		
Edge width	Radial feed f(mm/rev)	Parameters for cross feed
1.0-1.5	0.01-0.05	AP: W*0.2 f: 0.01-0.03
1.75-2.0	0.02-0.08	AP: W*0.2 f: 0.02-0.07

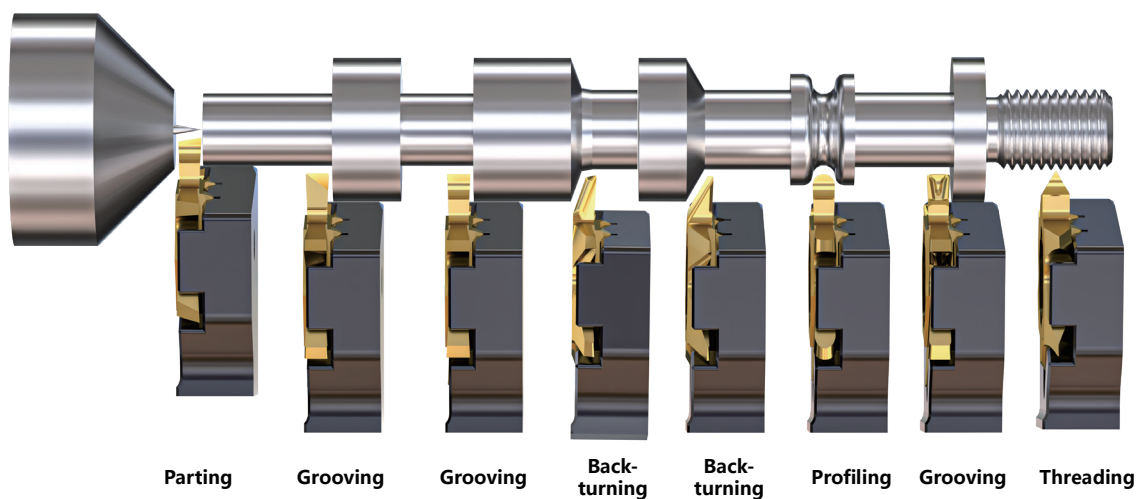
GR Grooving Tools	
Edge width	Feeding Speed f(mm/rev)
0.5-1.2	0.02-0.06
1.25-2.5	0.02-0.07

TR Threading Tools	
Type	Cutting Depth Ap(mm)
A-Type	0.02-0.05
B-Type	0.02-0.05
N-Type	0.03-0.08

BR Back-turning Tools	
Cutting Depth Ap(mm)	Feeding Speed f(mm/rev)
0.05-3.5	0.02-0.08

RR Circular Grooving Tools	
Edge width	Feeding Speed f(mm/rev)
0.7-1.5	0.02-0.06
2.0-2.5	0.03-0.07

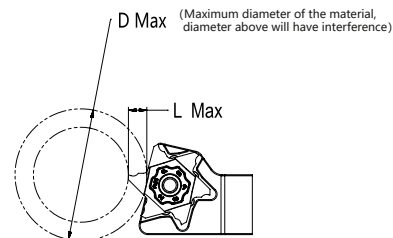
CR Parting tools	
Edge width	Feeding Speed f(mm/rev)
0.5-1.0	0.008-0.04
1.25-1.5	0.015-0.06



● Notice

- 1.Maximum Diameter of parting is 7MM
- 2.Maximum Diameter of parting is 3.5MM,Groove depth varies according to the diameter of the material, please refer to the figure below

Dmax	32	42	51	65	100
Lmax	6	5.8	5.7	5.6	5.1



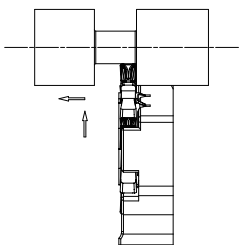
Symbols of KX628 Grooving Tools

	GT: Back-turning tools		025: 0.25		250: 2.5		035: R0.35		
KX628: KX628 Series	G: Grooving tools	R: Right Handed	125: 1.25		300: 3.0		005: R0.05		TM: Groove Profile
Series	Insert Type	Insert Direction	Edge width	—	Effective cutting depth	—	Nose Radius	—	
KX628	G	R	125	—	300	—	005	—	TM

TM Super Cutter

New

Application Examples



◆ Recommended
◆ Suitable
◇ Applicable

P	Soft steel	◆	◇	◆		◆	◆		
	Carbide	◆	◇	◆		◆	◆		
M	Austenitic	◆	◆	◆	◆	◆			
	Martensitic	◇	◆	◆	◆	◆			
K	Grey Cast Iron			◇					
	Ductile Cast Iron			◇					
N	Nonferrous							◆	◆
S	Heat Resisting Alloy		◆	◆	◆	◆			
	Titanium Alloy		◆	◆	◆	◆			
H	Hardened Materials			◆					

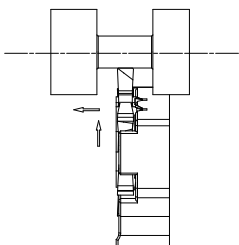
Shape Right Handed Tool	Type	Size			PVD Coated Cemented Carbide							Cemented carbide
		W	L	R	KPM30N	KXM15S	KHS10M	KMS20	KMS15C	KCP10P	KCN10D	KCN10
 	KX628GTR 300-600-005-TM	3	6	0.05	●	●						
	KX628GTR 300-600-010-TM	3	6	0.1	●	●						
	KX628GTR 300-600-020-TM	3	6	0.2	●	●						
	KX628GTR 300-600-030-TM	3	6	0.3	●	●						
	KX628GTR 300-600-040-TM	3	6	0.4	●	●						

Six Flute Inserts
KX628 Stable Clamping

GTR Back-turning Tools

New

Application Examples



◆ Recommended
◆ Suitable
◇ Applicable

P	Soft steel	◆	◇	◆		◆	◆		
	Carbide	◆	◇	◆		◆	◆		
M	Austenitic	◆	◆	◆	◆	◆			
	Martensitic	◇	◆	◆	◆	◆			
K	Grey Cast Iron			◇					
	Ductile Cast Iron			◇					
N	Nonferrous							◆	◆
S	Heat Resisting Alloy		◆	◆	◆	◆			
	Titanium Alloy		◆	◆	◆	◆			
H	Hardened Materials			◆					

Shape Right Handed Tool	Type	Size			PVD Coated Cemented Carbide							Cemented carbide
		W	L	R	KPM30N	KXM15S	KHS10M	KMS20	KMS15C	KCP10P	KCN10D	KCN10
 	KX628GTR 150-600-010	1.5	6	0.1	●	●						
	KX628GTR 150-600-020	1.5	6	0.2	●	●						
	KX628GTR 175-600-010	1.75	6	0.1	●	●						
	KX628GTR 175-600-020	1.75	6	0.2	●	●						
	KX628GTR 200-600-010	2	6	0.1	●	●						
	KX628GTR 200-600-020	2	6	0.2	●	●						
	KX628GTR 250-600-010	2.5	6	0.1	●	●						
	KX628GTR 250-600-020	2.5	6	0.2	●	●						
	KX628GTR 300-600-010	3	6	0.1	●	●						
	KX628GTR 300-600-020	3	6	0.2	●	●						
	KX628GTR 300-600-030	3	6	0.3	●	●						
	KX628GTR 300-600-040	3	6	0.4	●	●						

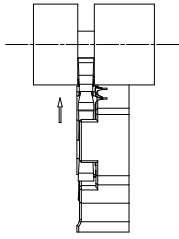
Grades: ◆ Recommended ◆ Suitable ◇ Applicable

● Standard Stock

GR Grooving Tools

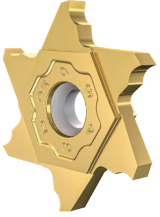
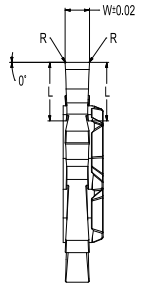
New

Application Examples



◆ Recommended
◆ Suitable
◇ Applicable

P	Soft steel	◆	◇	◆		◆	◆		
	Carbide	◆	◇	◆		◆	◆		
M	Austenitic	◆	◆	◆	◆	◆			
	Martensitic	◇	◆	◆	◆	◆			
K	Grey Cast Iron			◇					
	Ductile Cast Iron			◇					
N	Nonferrous							◆	◆
S	Heat Resisting Alloy		◆	◆	◆	◆			
	Titanium Alloy		◆	◆	◆	◆			
H	Hardened Materials			◆					

Shape Right Handed Tool	Type	Size			PVD Coated Cemented Carbide							Cemented carbide
		W	L	R	KPM30N	KXM15S	KH10M	KMS20	KMS15C	KCP10P	KCN10D	KCN10
 	KX628GR 100-400-010	1	4	0.1	●	●						
	KX628GR 100-400-020	1	4	0.2	●	●						
	KX628GR 150-450-010	1.5	4.5	0.1	●	●						
	KX628GR 150-450-020	1.5	4.5	0.2	●	●						
	KX628GR 150-600-010	1.5	6	0.1	●	●						
	KX628GR 150-600-020	1.5	6	0.2	●	●						
	KX628GR 200-600-010	2	6	0.1	●	●						
	KX628GR 200-600-020	2	6	0.2	●	●						
	KX628GR 250-600-010	2.5	6	0.1	●	●						
	KX628GR 250-600-030	2.5	6	0.3	●	●						
	KX628GR 265-600-030	2.65	6	0.3	●	●						
	KX628GR 280-600-030	2.8	6	0.3	●	●						
	KX628GR 300-600-010	3	6	0.1	●	●						
	KX628GR 300-600-030	3	6	0.3	●	●						
	KX628GR 300-600-040	3	6	0.4	●	●						

Grades: ◆ Recommended ◆ Suitable ◇ Applicable ● Standard Stock

KX628 Stable Clamping
Six Heads Inserts

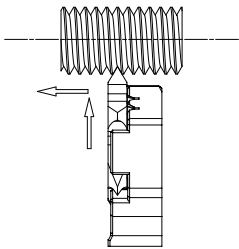
Symbols of KX628 Threading Tools

KX628: KX628 Series	T: Threading Tools	R: Right handed	040: 0.4	A: left				005: R0.05
			080: 0.8	B: right		55: 55°		010: R0.1
			125: 1.25	N: central		60: 60°		020: R0.2
Series	Insert Type	Insert Direction	Tip width	Blade shape	—	Thread Angle	—	Nose Radius
KX628	T	R	125	A	—	60	—	005

TR Threading Tools

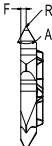
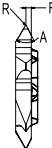
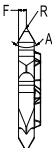
New

Application Examples



◆ Recommended
◊ Suitable
◇ Applicable

P	Soft steel	◆	◇	◆		◆	◆						
	Carbide	◆	◇	◆		◆	◆						
M	Austenitic	◆	◆	◆	◆	◆							
	Martensitic	◇	◆	◆	◆	◆							
K	Grey Cast Iron			◇									
	Ductile Cast Iron			◇									
N	Nonferrous										◆	◆	
S	Heat Resisting Alloy		◆	◆	◆	◆							
	Titanium Alloy		◆	◆	◆	◆							
H	Hardened Materials			◆									

Shape Right Handed Tool		Type	Size					PVD Coated Cemented Carbide							Cemented carbide
			F	A	R	Pitch (mm)	Teeth per inch	KPM30N	KXM15S	KHS10M	KMS20	KMS15C	KCP10P	KCN10D	KCN10
	 A Type	KX628TR 120-A-60-010	1.2	60°	0.1	0.8-2.0	25~17	●	●						
		KX628TR 120-A-60-020	1.2	60°	0.2	1.5-2.0	16~13	●	●						
		KX628TR 120-A-55-010	1.2	55°	0.1		19~11	●	●						
		KX628TR 120-A-55-020	1.2	55°	0.2			●	●						
	 B Type	KX628TR 120-B-60-010	1.2	60°	0.1	0.8-2.0	25~17	●	●						
		KX628TR 120-B-60-020	1.2	60°	0.2	1.5-2.0	16~13	●	●						
		KX628TR 120-B-55-010	1.2	55°	0.1		19~11	●	●						
		KX628TR 120-B-55-020	1.2	55°	0.2			●	●						
	 N Type	KX628TR 165-N-60-010	1.65	60°	0.1	1.0~1.5	25~17	●	●						
		KX628TR 165-N-60-015	1.65	60°	0.15	1.0~1.5	25~17	●	●						
		KX628TR 165-N-60-020	1.65	60°	0.2	1.5~3.0	16~7	●	●						
		KX628TR 165-N-55-010	1.65	55°	0.1		24~10	●	●						
		KX628TR 165-N-55-015	1.65	55°	0.15			●	●						
		KX628TR 165-N-55-020	1.65	55°	0.2		14~10	●	●						

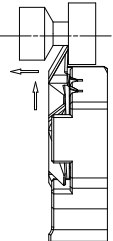
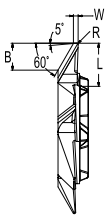
Grades: ◆ Recommended ◊ Suitable ◇ Applicable

● Standard Stock

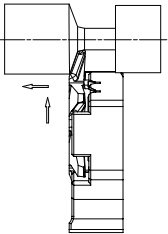
Symbols of KX628 Back-turning Tools

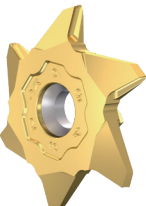
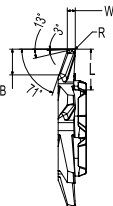
KX628: KX628Series	B: Back-turning	R: right handed	005: R0.05	-	BF: BF Geometr S: polished chip breaker
			010: R0.1		
			015: R0.15		
Series	Insert Type	Insert Direction	Nose Radius		Groove Profile
KX628	B	R	005	-	S

BR Back-turning Tools **New**

Application Examples		◆ Recommended ◇ Suitable ◇ Applicable	P	Soft steel	◆	◇	◆		◆	◆			
				Carbide	◆	◇	◆		◆	◆			
			M	Austenitic	◆	◆	◆	◆	◆				
				Martensitic	◇	◆	◆	◆	◆				
			K	Grey Cast Iron			◇						
				Ductile Cast Iron			◇						
			N	Nonferrous							◆	◆	
			S	Heat Resisting Alloy		◆	◆	◆	◆				
				Titanium Alloy		◆	◆	◆	◆				
			H	Hardened Materials			◆						
Shape Right Handed Tool	Type	Size				PVD Coated Cemented Carbide							Cemented carbide
		W	L	R	B	KPM30N	KXM15S	KHS10M	KMS20	KMS15C	KCP10P	KCN10D	KCN10
 	KX628BR 005-S	0.5	6	<0.05	4.5	●	●						
	KX628BR 015-S	0.5	6	<0.15	4.5	●	●						
	KX628BR 020-S	0.5	6	<0.2	4.5	●	●						

BF Back-turning Tools **New**

Application Examples		◆ Recommended ◆ Suitable ◇ Applicable	P	Soft steel	◆	◇	◆		◆	◆		
			M	Carbide	◆	◇	◆		◆	◆		
				Austenitic	◆	◆	◆	◆	◆			
			K	Martensitic	◇	◆	◆	◆	◆			
				Grey Cast Iron			◇					
			N	Ductile Cast Iron			◇					
				Nonferrous							◆	◆
			S	Heat Resisting Alloy		◆	◆	◆	◆			
				Titanium Alloy		◆	◆	◆	◆			
H			Hardened Materials			◆						

Shape Right Handed Tool	Type	Size				PVD Coated Cemented Carbide						Cemented carbide	
		W	L	R	B	KPM30N	KXM15S	KHS10M	KMS20	KMS15C	KCP10P	KCN10D	KCN10
 	KX628BR 005-BF	0.5	6	<0.05	4.5	●	●						
	KX628BR 015-BF	0.5	6	<0.15	4.5	●	●						
	KX628BR 020-BF	0.5	6	<0.2	4.5	●	●						

Grades: ◆ Recommended ◆ Suitable ◇ Applicable

● Standard Stock

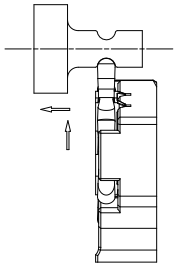
Symbols of KX628 Circular Grooving Tools

					150: 1.5
					200: 2.0
					350: 3.5
KX628: KX628 Series	R: Circular Grooving Tools	R: Right handed		050: R0.5 125: R1.25	
Series	Insert Type	Insert Direction		Nose radius	Effective cutting depth
KX628	R	R		050	200

RR Circular Grooving Tools

New

Application Examples

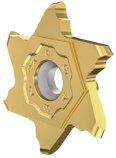


Recommended

Suitable

Applicable

P	Soft steel	◆	◇	◆		◆	◆					
	Carbide	◆	◇	◆		◆	◆					
M	Austenitic	◆	◆	◆	◆	◆	◆					
	Martensitic	◇	◆	◆	◆	◆	◆					
K	Grey Cast Iron			◇								
	Ductile Cast Iron			◇								
N	Nonferrous										◆	◆
S	Heat Resisting Alloy		◆	◆	◆	◆	◆					
	Titanium Alloy		◆	◆	◆	◆	◆					
H	Hardened Materials			◆								

Shape Right Handed Tool	Type	Size			PVD Coated Cemented Carbide								Cemented carbide
		W	L	R	KPM30N	KXM15S	KH510M	KMS20	KMS15C	KCP10P	KCN10D	KCN10	
	KX628RR 100-600	2	6	1	●	●							
	KX628RR 125-600	2.5	6	1.25	●	●							
	KX628RR 150-600	3	6	1.5	●	●							
	KX628RR 159-600	3.18	6	1.59	●	●							

Grades: ◆ Recommended ◆ Suitable ◇ Applicable ● Standard Stock

Symbols of KX628 flat Parting Tools

KX628: KX628 Series	C: parting tools	R: right handed		125: 1.25		
Series	Insert Type	Insert Direction		Edge width		Strengthened tip nose
KX628	C	R		125	-	P

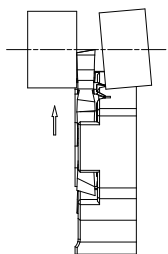
Symbols of KX628 Parting Tools With lead Angle

				16D: 16° 11D: 11°	R: right leaded L: left leaded		
KX628: KX628Series	C: parting tools	R: right handed	125: 1.25				
Series	Insert Type	Insert Direction	Edge width	lead angle	lead direction		Strengthened tip nose
KX628	C	R	125	16D	R	-	P

CR Parting Tools

New

Application Examples

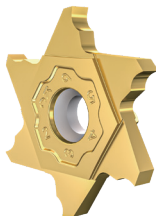
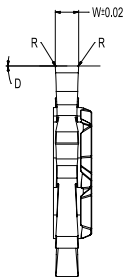
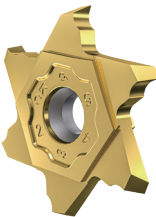
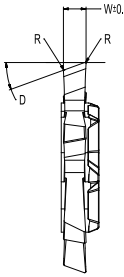


Recommended

Suitable

Applicable

P	Soft steel	◆	◇	◆		◆	◆						
	Carbide	◆	◇	◆		◆	◆						
M	Austenitic	◆	◆	◆		◆	◆						
	Martensitic	◇	◆	◆		◆	◆						
K	Grey Cast Iron			◇									
	Ductile Cast Iron			◇									
N	Nonferrous											◆	◆
S	Heat Resisting Alloy		◆	◆		◆	◆						
	Titanium Alloy		◆	◆		◆	◆						
H	Hardened Materials			◆									

Shape Right Handed Tool	Type	Size				PVD Coated Cemented Carbide								Cemented carbide
		W	Maximum Diameter of parting (DMax)	R	D	KPM30N	KXM15S	KHS10M	KMS20	KMS15C	KCP10P	KCN10D	KCN10	
 	KX628CR 100-P	1	12	0.08-0.1	0°	●	●							
	KX628CR 125-P	1.25	12	0.15	0°	●	●							
	KX628CR 150-P	1.5	12	0.15	0°	●	●							
 	KX628CR 100-11DR-P	1	12	0.08-0.1	11°	●	●							
	KX628CR 125-11DR-P	1.25	12	0.08-0.1	11°	●	●							
	KX628CR 150-11DR-P	1.5	12	0.08-0.1	11°	●	●							
	KX628CR 100-16DR-P	1	12	0.08-0.1	16°	●	●							
	KX628CR 125-16DR-P	1.25	12	0.08-0.1	16°	●	●							
	KX628CR 150-16DR-P	1.5	12	0.08-0.1	16°	●	●							

Grades: ◆ Recommended ◇ Suitable ◇ Applicable

● Standard Stock

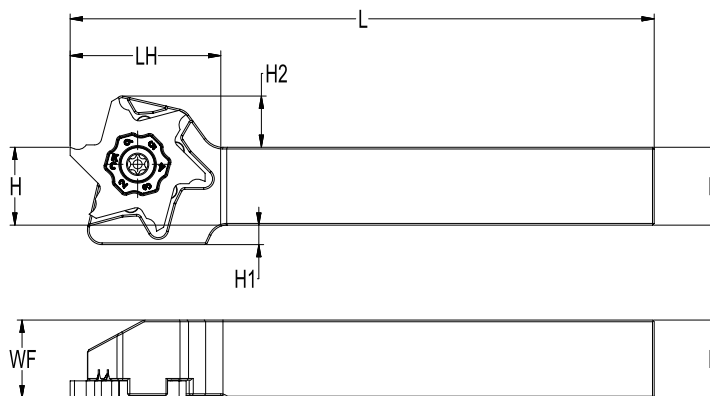
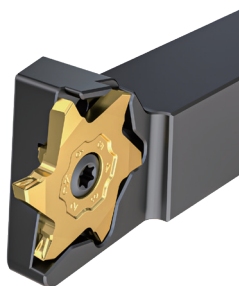
KX628 Stable Clamping
Six Heads Inserts

Symbols of KX628 Tool Holders

					M: 150
					JX: 120
					J: 110
					H: 100
KX628: KX628 Series	R: right handed				
Series	Holder Direction	-	Holder Height	Holder Width	Tool Length
KX628	R	-	12	12	JX

KX628 Holders

New



Right Handed Tool holder (R)

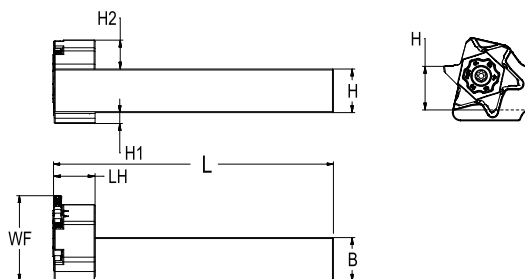
Type	Size(mm)							Accessories		Corresponding Insert
	H	B	L	LH	WF	H1	H2	Screw	Wrenth	
KX628R-1212JX	12	12	120	32	12	8	10.5	KS-5008-T	KW-T20	KX628□R □□□
KX628R-1616JX	16	16	120	32	16	4	10.5	KS-5008-T	KW-T20	KX628□R □□□
KX628R-2020JX	20	20	120	32	20	0	10.5	KS-5008-T	KW-T20	KX628□R □□□
KX628R-2525M	25	25	150	32	25	0	10.5	KS-5008-T	KW-T20	KX628□R □□□

Symbols of KX628-F

						JX: 120		
						J: 110		
						H: 100		
KX628: KX628 Series	L: left handed							
Series	Holder Direction	—	Holder Height	Holder Width	Tool Length	—	Others	
KX628	L	—	12	12	JX	—	F	

New

KX628-F holders



left handed holders
left handed holders are for right hand inserts

Type	Size(mm)							Accessories		Corresponding Insert
	H	B	L	LH	H1	H2	WF	Screw	Wrenth	
KX628L-1616K-F	16	16	125	15	4	10.6	31	KS-5008-T	KW-T20	KX628□R □□□
KX628L-2020K-F	20	20	125	15	0	10.6	31	KS-5008-T	KW-T20	KX628□R □□□

Recommend Parameters For Machining-KX628

GM Super Cutter		
Edge width	Radial feed f(mm/rev)	Parameters for cross feed
3.0	0.04-0.1	AP: W*0.5 f: 0.04-0.1

GTR Back-turning Tools		
Edge width	Radial feed f(mm/rev)	Parameters for cross feed
1.0-1.5	0.01-0.05	AP: W*0.2 f: 0.01-0.03
1.75-2.0	0.02-0.08	AP: W*0.2 f: 0.02-0.07

GR Grooving Tools	
Edge width	Feeding Speed f(mm/rev)
1.5-2.0	0.02-0.06
2.5-3.0	0.02-0.07

TR Threading Tools	
Type	Cutting Depth Ap(mm)
A-Type	0.02-0.05
B-Type	0.02-0.05
N-Type	0.03-0.08

BR Back-turning Tools	
Cutting Depth Ap(mm)	Feeding Speed f(mm/rev)
0.05-6	0.02-0.08

RR Circular Grooving Tools	
Edge width	Feeding Speed f(mm/rev)
2.0	0.02-0.06
2.5-3.18	0.03-0.07

CR Parting Tools	
Edge width	Feeding Speed f(mm/rev)
1.0-1.5	0.015-0.06

BF Back-turning Tools	
Cutting Depth Ap(mm)	Feeding Speed f(mm/rev)
0.05-6	0.04-0.1