



KPC Series

Polygon Taper Shank Holders



Polygon Taper Shank with High Rigidity and High Precision

Polygon Taper Design and Dual Contact between the Taper and the Flange Face for High Rigidity

Locational Accuracy within $\pm 2\mu\text{m}$

Turning, Grooving, Cut-off and Threading Styles Available



KPC Series

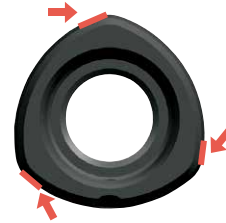
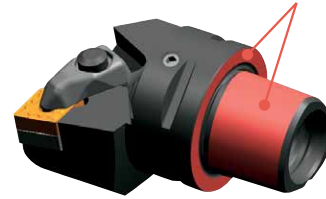
Polygon Taper Shank Holders

Polygon Taper Shank with High Rigidity and High Precision

PSC Shank Tools

JIS B 6066-1 Dual contact between polygon taper shank and the main spindle face
ISO26623-1 Polygonal taper interface with flange contact surface

Dual contact between taper face and flange face



Even distribution of force between 3 faces enhances rigidity and centering

1 High Rigidity

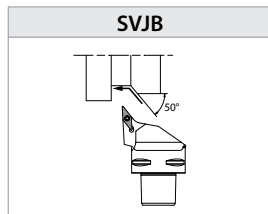
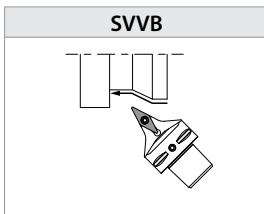
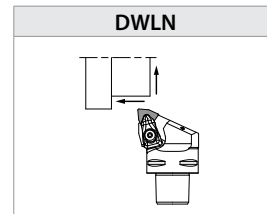
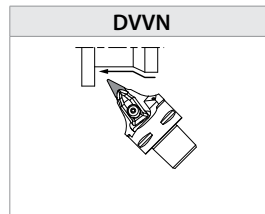
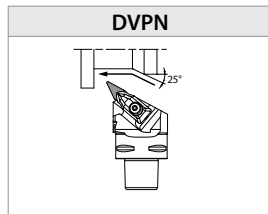
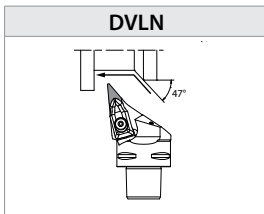
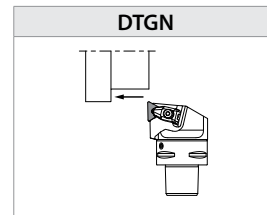
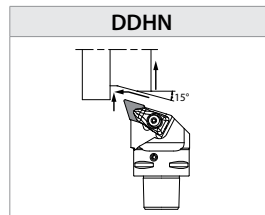
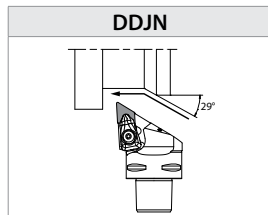
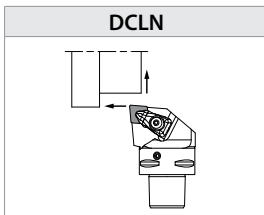
Polygon taper design and dual contact between the taper and the flange face for high rigidity

2 High Precision

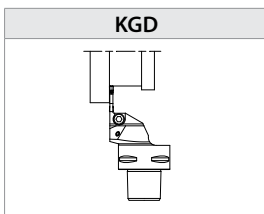
Locational accuracy within $\pm 2\mu\text{m}$

Distributes cutting forces evenly between 3 faces for enhanced rigidity and centering accuracy

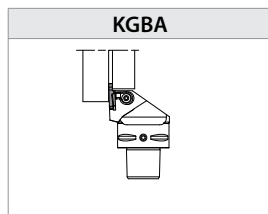
Turning



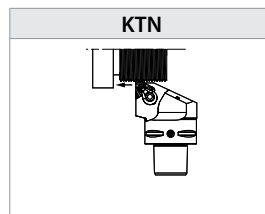
Grooving / Cut-Off



Shallow Grooving



Threading



Identification System (for External Holders)

KPC3	-	D	C	L	N	R	22	045	12	A
Interface Size	Clamping System	Insert Shape			Insert Relief Angle	Hand of Tool	Cutting Edge Offset	Toolholder Length (Length from Gauge Line)		Coolant Hole
KPC3 : PSC32 DCSFMS=32mm	D : Double Clamp	C : 80° Diamond			B : 5°	R : Right-hand	WF Dimension	LF Dimension		A : With
KPC4 : PSC40 DCSFMS=40mm	S : Screw Clamp	D : 55° Diamond			N : 0°	L : Left-hand				S : Without
KPC5 : PSC50 DCSFMS=50mm		T : 30° Triangle				N : Neutral				
		V : 35° Diamond								
		W : 80° Trigon								

Cutting Edge Angle					
L	J	H	G	P	V

Insert Size			

DCLN (External / Facing)

			<table border="1"> <tr> <th colspan="2">Applicable Inserts</th> </tr> <tr> <td>CN <input type="checkbox"/> A</td> <td rowspan="3">43...</td> </tr> <tr> <td>CN <input type="checkbox"/> G</td> </tr> <tr> <td>CN <input type="checkbox"/> M</td> </tr> </table>	Applicable Inserts		CN <input type="checkbox"/> A	43...	CN <input type="checkbox"/> G	CN <input type="checkbox"/> M
	Applicable Inserts								
CN <input type="checkbox"/> A	43...								
CN <input type="checkbox"/> G									
CN <input type="checkbox"/> M									
			<table border="1"> <tr> <td>Side Rake Angle</td> <td>-6°</td> </tr> <tr> <td>Angle of Inclination</td> <td>-6°</td> </tr> </table>	Side Rake Angle	-6°	Angle of Inclination	-6°		
Side Rake Angle	-6°								
Angle of Inclination	-6°								

Toolholder Dimensions (Metric Size)

Part Number	Stock		Coolant Hole	Dimensions (mm)					Standard Corner-R (RE)	Drawing	Spare Parts									
	R	L		DCSFMS	LF	WF	DMIN1	DMIN2			Clamp	Screw	Spring	Shim	Shim Screw	Wrench				
KPC3-DCLN ^{R/L} 22045-12A	<input type="radio"/>	<input type="radio"/>		32	45	22	60	121	0.8	Fig.1				SP-441P *3 (SP-441P-C)	M3X8					
KPC4-DCLN ^{R/L} 27050-12A	<input type="radio"/>	<input type="radio"/>	Yes	40	50	27	110	140						CP-3D-S	CS-3D-TR		SP-3D	DC-44 *3 (DC-44-C)	SB-4085TR	FT-15
KPC5-DCLN ^{R/L} 35060-12A	<input type="radio"/>	<input type="radio"/>		50	60	35	110	165												
KPC3-DCLN ^{R/L} 22045-12S	<input type="radio"/>	<input type="radio"/>		32	45	22	60	121	0.8	Fig.2				SP-441P *3 (SP-441P-C)	M3X8					
KPC4-DCLN ^{R/L} 27050-12S	<input type="radio"/>	<input type="radio"/>	No	40	50	27	110	140						CP-3D-S	CS-3D-TR		SP-3D	DC-44 *3 (DC-44-C)	SB-4085TR	FT-15
KPC5-DCLN ^{R/L} 35060-12S	<input type="radio"/>	<input type="radio"/>		50	60	35	110	165												

* 1 Pressure Resistance : up to 1,015 psi

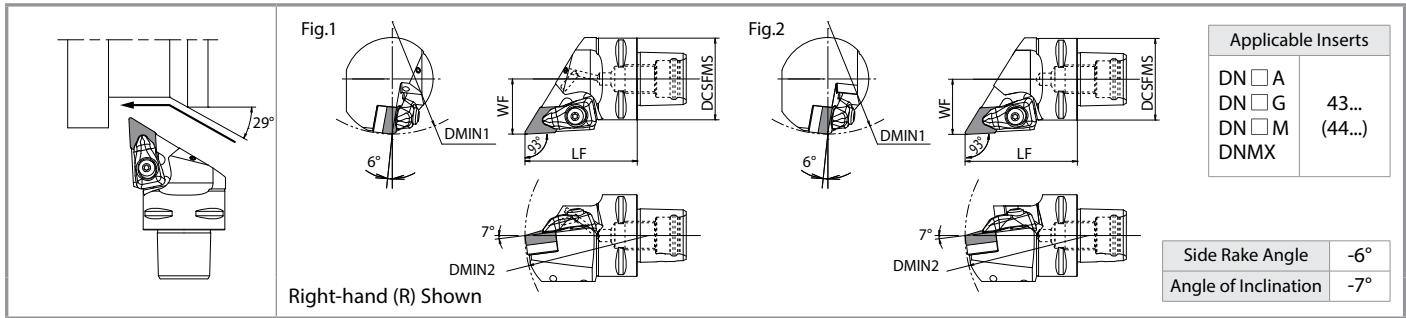
* 2 When using inserts with corner-R (RE) greater than 3/64" (1.2mm), additional modifications to the toolholder or shim may be necessary to prevent interference with workpiece

* 3 SX chipbreaker inserts require a different shim (sold separately)

* 4 Recommended tightening torque 3.9 Nm

○ : World Express (Shipping: 7-10 Business Days)

DDJN (External / Copying)



Toolholder Dimensions (Metric Size)

Part Number	Stock		Coolant Hole	Dimensions (mm)					Standard Corner-R (RE)	Drawing	Spare Parts											
	R	L		DCSFMS	LF	WF	DMIN1	DMIN2			Clamp	Screw	Spring	Shim	Shim Screw	Wrench						
	KPC3-DDJN $\frac{R}{L}$ 22050-15A	○		○		32	50	22			110	121	0.8	Fig.1								
KPC4-DDJN $\frac{R}{L}$ 27055-15A	○	○	Yes	40	55	27	110	145	CP-3D-S	CS-3D-TR	SP-3D	DD-44 *3 (DD-43)									SB-4085TR	FT-15
KPC5-DDJN $\frac{R}{L}$ 35060-15A	○	○		50	60	35	110	165														
KPC3-DDJN $\frac{R}{L}$ 22050-15S	○	○		32	50	22	110	121	0.8	Fig.2												
KPC4-DDJN $\frac{R}{L}$ 27055-15S	○	○	No	40	55	27	110	145									CP-3D-S	CS-3D-TR	SP-3D	DD-44 *3 (DD-43)	SB-4085TR	FT-15
KPC5-DDJN $\frac{R}{L}$ 35060-15S	○	○		50	60	35	110	165														

*1 Pressure Resistance : up to 1,015 psi

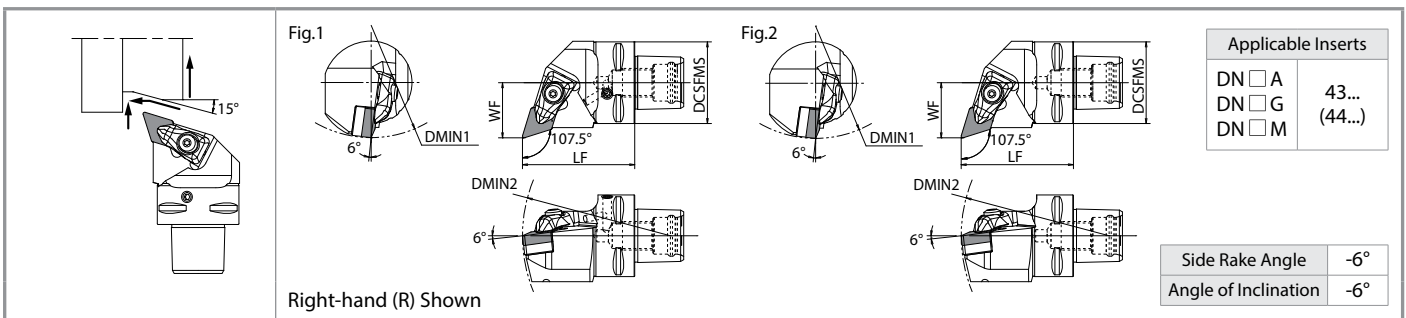
*2 When using inserts with corner-R (RE) greater than 3/64" (1.2mm), additional modifications to the toolholder or shim may be necessary to prevent interference with workpiece

*3 Shims in parentheses () must be purchased separately for thicker inserts

*4 Recommended tightening torque 3.9 Nm

○ : World Express (Shipping: 7-10 Business Days)

DDHN (External / Facing / Copying)



Toolholder Dimensions (Metric Size)

Part Number	Stock		Coolant Hole	Dimensions (mm)					Standard Corner-R (RE)	Drawing	Spare Parts											
	R	L		DCSFMS	LF	WF	DMIN1	DMIN2			Clamp	Screw	Spring	Shim	Shim Screw	Wrench						
	KPC3-DDHN $\frac{R}{L}$ 22050-15A	○		○		32	50	22			110	121	0.8	Fig.1								
KPC4-DDHN $\frac{R}{L}$ 27055-15A	○	○	Yes	40	55	27	110	145	CP-3D-S	CS-3D-TR	SP-3D	DD-44 *3 (DD-43)									SB-4085TR	FT-15
KPC5-DDHN $\frac{R}{L}$ 35060-15A	○	○		50	60	35	110	165														
KPC3-DDHN $\frac{R}{L}$ 22050-15S	○	○		32	50	22	110	121	0.8	Fig.2												
KPC4-DDHN $\frac{R}{L}$ 27055-15S	○	○	No	40	55	27	110	145									CP-3D-S	CS-3D-TR	SP-3D	DD-44 *3 (DD-43)	SB-4085TR	FT-15
KPC5-DDHN $\frac{R}{L}$ 35060-15S	○	○		50	60	35	110	165														

*1 Pressure Resistance : up to 1,015 psi

*2 When using inserts with corner-R (RE) greater than 3/64" (1.2mm), additional modifications to the toolholder or shim may be necessary to prevent interference with workpiece

*3 Shims in parentheses () must be purchased separately for thicker inserts

*4 Recommended tightening torque 3.9 Nm

○ : World Express (Shipping: 7-10 Business Days)

DTGN (External)

Applicable Inserts	
TN <input type="checkbox"/> A	33...
TN <input type="checkbox"/> G	
TN <input type="checkbox"/> M	
TNMX	

Side Rake Angle	-6°
Angle of Inclination	-6°

Right-hand (R) Shown

Toolholder Dimensions (Metric Size)

Part Number	Stock		Coolant Hole	Dimensions (mm)				Standard Corner-R (RE)	Drawing	Spare Parts														
	R	L		DCSFMS	LF	WF	DMIN1			DMIN2	Clamp	Screw	Spring	Shim	Shim Screw	Wrench	Wrench (Sold Separately)							
KPC3-DTGN $\frac{R}{L}$ 22040-16A	<input type="radio"/>	<input type="radio"/>		32	40	22	110	116	0.8	Fig.1														
KPC4-DTGN $\frac{R}{L}$ 27050-16A	<input type="radio"/>	<input type="radio"/>	Yes	40	50	27	110	140										CP-2D	CS-2D	SP-2D	DT-32	SB-3080TR	LW-2.5	FT-10
KPC5-DTGN $\frac{R}{L}$ 35060-16A	<input type="radio"/>	<input type="radio"/>		50	60	35	110	165																
KPC3-DTGN $\frac{R}{L}$ 22040-16S	<input type="radio"/>	<input type="radio"/>		32	40	22	110	116	0.8	Fig.2														
KPC4-DTGN $\frac{R}{L}$ 27050-16S	<input type="radio"/>	<input type="radio"/>	No	40	50	27	110	140										CP-2D	CS-2D	SP-2D	DT-32	SB-3080TR	LW-2.5	FT-10
KPC5-DTGN $\frac{R}{L}$ 35060-16S	<input type="radio"/>	<input type="radio"/>		50	60	35	110	165																

*1 Pressure Resistance : up to 1,015 psi

*2 When using inserts with corner-R (RE) greater than 1/16" (1.6mm), additional modifications to the toolholder or shim may be necessary to prevent interference with workpiece

*3 Recommended tightening torque 3.9 Nm

○ : World Express (Shipping: 7-10 Business Days)

DVLN (External / Copying)

Applicable Inserts	
VN <input type="checkbox"/> A	33...
VN <input type="checkbox"/> G	
VN <input type="checkbox"/> M	

Side Rake Angle	-6°
Angle of Inclination	-9°

Right-hand (R) Shown

Toolholder Dimensions (Metric Size)

Part Number	Stock		Coolant Hole	Dimensions (mm)				Standard Corner-R (RE)	Drawing	Spare Parts												
	R	L		DCSFMS	LF	WF	DMIN1			DMIN2	Clamp	Screw	Spring	Shim	Shim Screw	Wrench						
KPC3-DVLN $\frac{R}{L}$ 22058-16A	<input type="radio"/>	<input type="radio"/>		32	58	22	80	100	0.8	Fig.1												
KPC4-DVLN $\frac{R}{L}$ 27062-16A	<input type="radio"/>	<input type="radio"/>	Yes	40	62	27	80	100									CP-5D-S	CS-3D-TR	SP-3D	DV-33	SB-4085TR	FT-15
KPC5-DVLN $\frac{R}{L}$ 35065-16A	<input type="radio"/>	<input type="radio"/>		50	65	35	80	100														
KPC3-DVLN $\frac{R}{L}$ 22058-16S	<input type="radio"/>	<input type="radio"/>		32	58	22	80	100	0.8	Fig.2												
KPC4-DVLN $\frac{R}{L}$ 27062-16S	<input type="radio"/>	<input type="radio"/>	No	40	62	27	80	100									CP-5D-S	CS-3D-TR	SP-3D	DV-33	SB-4085TR	FT-15
KPC5-DVLN $\frac{R}{L}$ 35065-16S	<input type="radio"/>	<input type="radio"/>		50	65	35	80	100														

*1 Pressure Resistance : up to 1,015 psi

*2 When using inserts with corner-R (RE) greater than 3/64" (1.2mm), additional modifications to the toolholder or shim may be necessary to prevent interference with workpiece

*3 Recommended tightening torque 3.9 Nm

○ : World Express (Shipping: 7-10 Business Days)

DVPN (External / Facing / Copying / Undercutting)

Fig.1
13°
10°
Right-hand (R) Shown

Fig.2
13°
10°

Applicable Inserts	
VN □ A	33...
VN □ G	
VN □ M	

Side Rake Angle	-13°
Angle of Inclination	-10°

Toolholder Dimensions (Metric Size)

Part Number	Stock			Coolant Hole	Dimensions (mm)						Standard Corner-R (RE)	Drawing	Spare Parts					
	R	L	Coolant Hole		DCSFMS	LF	WF	DMIN1	DMIN2	Clamp			Screw	Spring	Shim	Shim Screw	Wrench	
KPC3-DVPN 22055-16A	○	○			32	55	22	110	130	0.8	Fig.1	CP-5D-S	CS-3D-TR	SP-3D	DV-33	SB-4085TR	FT-15	
KPC4-DVPN 27060-16A	○	○	Yes	40	60	27	110	145										
KPC5-DVPN 35065-16A	○	○		50	65	35	110	165										
KPC3-DVPN 22055-16S	○	○			32	55	22	110	130	0.8	Fig.2	CP-5D-S	CS-3D-TR	SP-3D	DV-33	SB-4085TR	FT-15	
KPC4-DVPN 27060-16S	○	○	No	40	60	27	110	145										
KPC5-DVPN 35065-16S	○	○		50	65	35	110	165										

*1 Pressure Resistance : up to 1,015 psi

*2 When using inserts with corner-R (RE) greater than 3/64" (1.2mm), additional modifications to the toolholder or shim may be necessary to prevent interference with workpiece

*3 Recommended tightening torque 3.9 Nm

○ : World Express (Shipping: 7-10 Business Days)

DVVN (External / Copying)

Fig.1
11°

Fig.2
11°

Applicable Inserts	
VN □ A	33...
VN □ G	
VN □ M	

Back Rake Angle	-11°
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Toolholder Dimensions (Metric Size)

Part Number	Stock			Coolant Hole	Dimensions (mm)						Standard Corner-R (RE)	Drawing	Spare Parts						
	R	N	L		DCSFMS	LF	WF	B1 ³ (°)	B2 ³ (°)	DMIN1			DMIN2	Clamp	Screw	Spring	Shim	Shim Screw	Wrench
KPC4-DVVNN00062-16A	○			Yes	40	62	0	61	63	-	152	0.8	Fig.1	CP-5D-S	CS-3D-TR	SP-3D	DV-33	SB-4085TR	FT-15
KPC5-DVVNN00065-16A	○				50	65	0	59	59	-	170								
KPC3-DVVNN00058-16S	○				32	58	0	68	68	-	140	0.8	Fig.2	CP-5D-S	CS-3D-TR	SP-3D	DV-33	SB-4085TR	FT-15
KPC4-DVVNN00062-16S	○			No	40	62	0	61	63	-	152								
KPC5-DVVNN00065-16S	○				50	65	0	59	59	-	170								

*1 Pressure Resistance : up to 1,015 psi

*2 When using inserts with corner-R (RE) greater than 3/64" (1.2mm), additional modifications to the toolholder or shim may be necessary to prevent interference with workpiece

*3 Angle B1 and B2 show the area of interference between the holder and the cutting edge

○ : World Express (Shipping: 7-10 Business Days)

DWLN (External / Facing)

Applicable Inserts	
WN <input type="checkbox"/> A	43...
WN <input type="checkbox"/> G	
WN <input type="checkbox"/> M	

Side Rake Angle	-6°
Angle of Inclination	-6°

Right-hand (R) Shown

Toolholder Dimensions (Metric Size)

Part Number	Stock		Coolant Hole	Dimensions (mm)					Standard Corner-R (RE)	Drawing	Spare Parts					
	R	L		DCSFMS	LF	WF	DMIN1	DMIN2			Clamp	Screw	Spring	Shim	Shim Screw	Wrench
	KPC3-DWLN ¹ / ₂ 22047-08A	<input type="radio"/>		<input type="radio"/>	Yes	32	47	22			110	121	0.8	Fig.1		
KPC4-DWLN ¹ / ₂ 27050-08A	<input type="radio"/>	<input type="radio"/>	40	50		27	110	140								
KPC5-DWLN ¹ / ₂ 35060-08A	<input type="radio"/>	<input type="radio"/>	50	60		35	110	165								
KPC3-DWLN ¹ / ₂ 22047-08S	<input type="radio"/>	<input type="radio"/>	No	32	47	22	110	121	0.8	Fig.2						
KPC4-DWLN ¹ / ₂ 27050-08S	<input type="radio"/>	<input type="radio"/>		40	50	27	110	140								
KPC5-DWLN ¹ / ₂ 35060-08S	<input type="radio"/>	<input type="radio"/>		50	60	35	110	165								

*1 Pressure Resistance : up to 1,015 psi
 *2 Recommended tightening torque 3.9 Nm

○ : World Express (Shipping: 7-10 Business Days)

SVVB (External / Copying)

Applicable Inserts	
VB <input type="checkbox"/>	33...
VCGT	

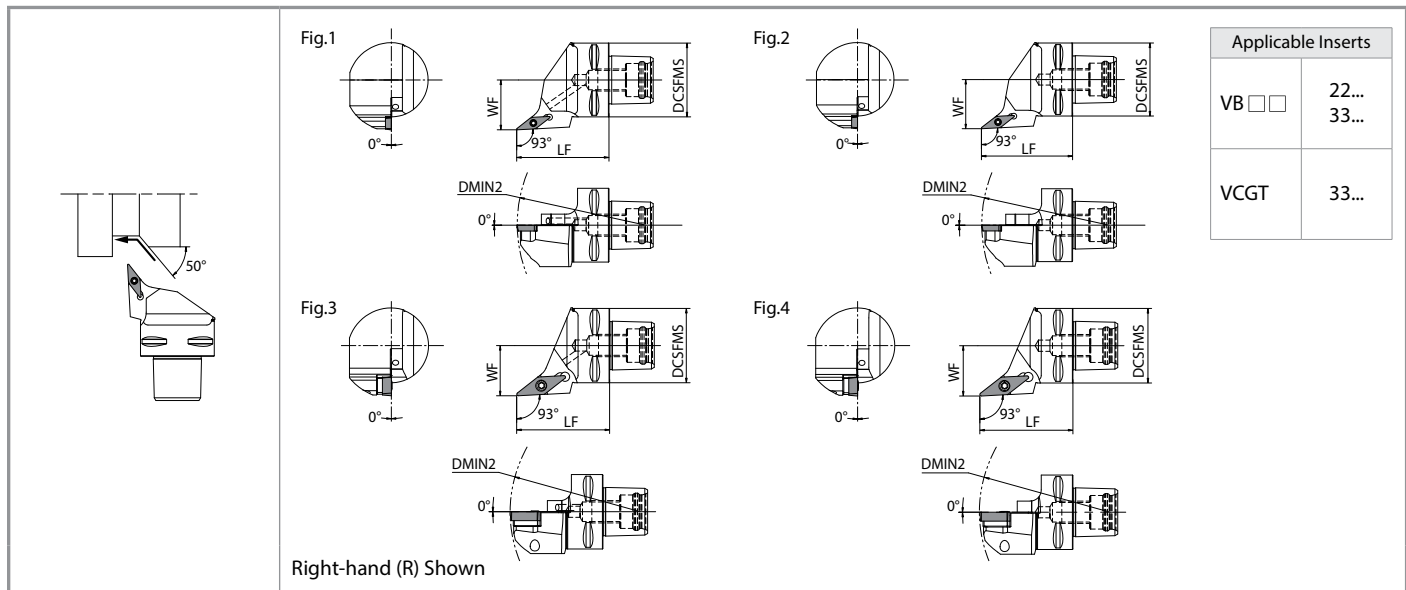
Toolholder Dimensions (Metric Size)

Part Number	Stock			Coolant Hole	Dimensions (mm)					Standard Corner-R (RE)	Drawing	Spare Parts						
	R	N	L		DCSFMS	LF	WF	B1 ³ (°)	B2 ³ (°)			DMIN1	DMIN2	Insert Screw	Wrench	Shim	Shim Screw	Wrench
	KPC3-SVVB N00048-16A	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	Yes	32	48	0			62	62	-	116	0.8	Fig.1	
KPC4-SVVB N00052-16A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	40	52		0	59	59	-	140							
KPC5-SVVB N00060-16A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	50	60		0	56	56	-	165							
KPC3-SVVB N00048-16S	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	No	32	48	0	62	62	-	116	0.8	Fig.2					
KPC4-SVVB N00052-16S	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		40	52	0	59	59	-	140							
KPC5-SVVB N00060-16S	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		50	60	0	56	56	-	165							

*1 Pressure Resistance : up to 1,015 psi
 *2 When using inserts with corner-R (RE) of 0.008" and 1/64" (0.2mm and 0.4mm), shim in parentheses is recommended (sold separately)
 *3 Angle B1 and B2 show the area of interference between the holder and the cutting edge
 *4 Recommended tightening torque 3.5 Nm

○ : World Express (Shipping: 7-10 Business Days)

SVJB (External / Copying)



Toolholder Dimensions (Metric Size)

Part Number	Stock		Coolant Hole	Dimensions (mm)					Standard Corner-R (RE)	Drawing	Spare Parts				
	R	L		DCSFMS	LF	WF	DMIN1	DMIN2			Insert Screw	Wrench	Shim	Shim Screw	Wrench
*1 KPC3-SVJB ^{R/L} 22040-11A	○	○	Yes	32	40	22	-	116	0.4	Fig.1	SB-2570TR	FT-8	-	-	-
*1 KPC4-SVJB ^{R/L} 27050-11A	○	○		40	50	27	-	140							
*1 KPC5-SVJB ^{R/L} 35060-11A	○	○		50	60	35	-	165							
*1 KPC3-SVJB ^{R/L} 22040-11S	○	○	No	32	40	22	-	116	0.4	Fig.2	SB-2570TR	FT-8	-	-	-
*1 KPC4-SVJB ^{R/L} 27050-11S	○	○		40	50	27	-	140							
*1 KPC5-SVJB ^{R/L} 35060-11S	○	○		50	60	35	-	165							
*2 KPC3-SVJB ^{R/L} 22047-16A	○	○	Yes	32	47	22	-	116	0.8	Fig.3	SB-40125TRN	FT-15	SVN-32N *3 (SVN-32S)	SS-4N	LW-4
*2 KPC4-SVJB ^{R/L} 27050-16A	○	○		40	50	27	-	140							
*2 KPC5-SVJB ^{R/L} 35060-16A	○	○		50	60	35	-	165							
*2 KPC3-SVJB ^{R/L} 22047-16S	○	○	No	32	47	22	-	116	0.8	Fig.4	SB-40125TRN	FT-15	SVN-32N *3 (SVN-32S)	SS-4N	LW-4
*2 KPC4-SVJB ^{R/L} 27050-16S	○	○		40	50	27	-	140							
*2 KPC5-SVJB ^{R/L} 35060-16S	○	○		50	60	35	-	165							

• Pressure Resistance : up to 1,015 psi

• Recommended tightening torque is 1.2 Nm for VB □ □ 22.. inserts and 3.5Nm for VB(C) □ □ 33.. inserts

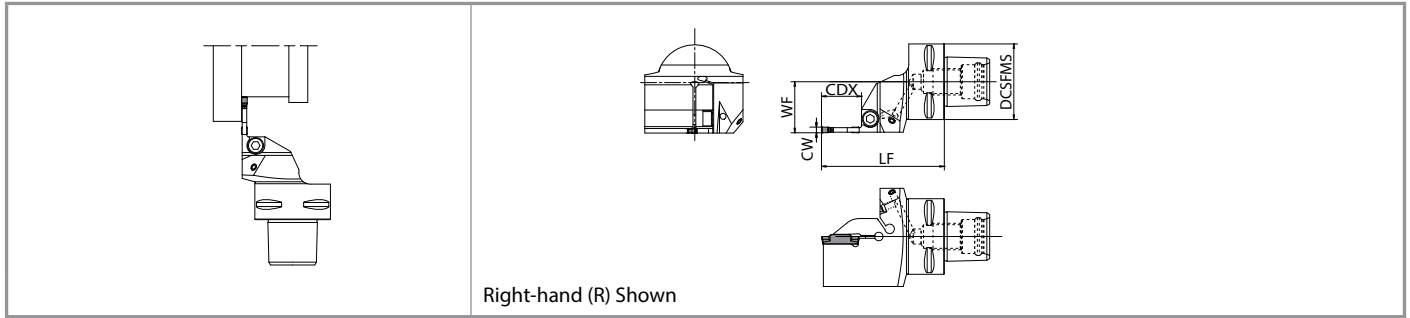
*1 When using inserts with corner-R (RE) of 1/32" (0.8mm), additional modifications to the toolholder or shim may be necessary to prevent interference with workpiece

*2 When using inserts with corner-R (RE) of 3/64" (1.2mm), additional modifications to the toolholder or shim may be necessary to prevent interference with workpiece

*3 When using inserts with corner-R (RE) of 0.008" and 1/64" (0.2mm and 0.4mm), shim in parentheses is recommended (sold separately)

○ : World Express (Shipping: 7-10 Business Days)

KGD (Grooving / Cut-Off)



Toolholder Dimensions (Metric Size)

Groove Width CW (mm)	Available Grooving Depth CDX (mm)	Part Number	Stock		Coolant Hole	Dimensions (mm)				Width W (mm)		Spare Parts		Applicable Inserts
			R	L		DCSFMS	LF	WF	CDX	MIN	MAX	Clamp Bolt	Wrench	
2	10	KPC3-KGD $\frac{R}{L}$ 22050-2T10	○	○		32	50	22	10	2.0	3.0	HH5X16	LW-4	GDM Type GDG Type
		KPC4-KGD $\frac{R}{L}$ 27055-2T10	○	○	Yes	40	55	27						
		KPC5-KGD $\frac{R}{L}$ 35060-2T10	○	○		50	60	35						
	17	KPC3-KGD $\frac{R}{L}$ 22055-2T17	○	○		32	55	22	17					
		KPC4-KGD $\frac{R}{L}$ 27060-2T17	○	○	Yes	40	60	27						
		KPC5-KGD $\frac{R}{L}$ 35060-2T17	○	○		50	60	35						
3	10	KPC3-KGD $\frac{R}{L}$ 22050-3T10	○	○		32	50	22	10	3.0	4.0			
		KPC4-KGD $\frac{R}{L}$ 27055-3T10	○	○	Yes	40	55	27						
		KPC5-KGD $\frac{R}{L}$ 35060-3T10	○	○		50	60	35						
	20	KPC3-KGD $\frac{R}{L}$ 22060-3T20	○	○		32	60	22	20					
		KPC4-KGD $\frac{R}{L}$ 27065-3T20	○	○	Yes	40	65	27						
		KPC5-KGD $\frac{R}{L}$ 35065-3T20	○	○		50	65	35						
4	10	KPC3-KGD $\frac{R}{L}$ 22050-4T10	○	○		32	50	22	10	4.0	5.0			
		KPC4-KGD $\frac{R}{L}$ 27055-4T10	○	○	Yes	40	55	27						
		KPC5-KGD $\frac{R}{L}$ 35060-4T10	○	○		50	60	35						
	20	KPC4-KGD $\frac{R}{L}$ 27065-4T20	○	○	Yes	40	65	27	20					
		KPC5-KGD $\frac{R}{L}$ 35065-4T20	○	○		50	65	35						
	25	KPC4-KGD $\frac{R}{L}$ 27070-4T25	○	○	Yes	40	70	27	25					
KPC5-KGD $\frac{R}{L}$ 35070-4T25		○	○		50	70	35							
5	10	KPC4-KGD $\frac{R}{L}$ 27055-5T10	○	○	Yes	40	55	27	10	5.0	6.0			
		KPC5-KGD $\frac{R}{L}$ 35060-5T10	○	○		50	60	35						
	17	KPC4-KGD $\frac{R}{L}$ 27060-5T17	○	○	Yes	40	60	27	17					
		KPC5-KGD $\frac{R}{L}$ 35060-5T17	○	○		50	60	35						

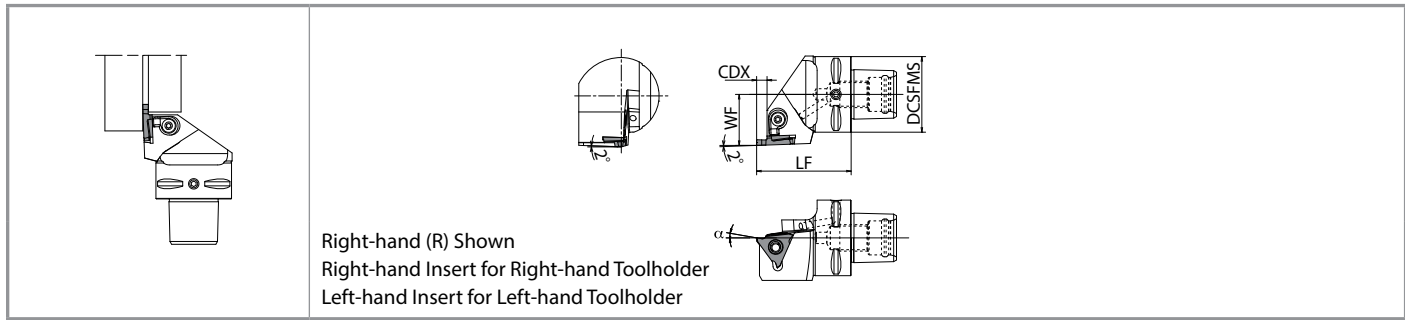
*1 Pressure Resistance : up to 1,015 psi

*2 Recommended tightening torque 6.5 Nm

*3 CDX dimension shows available grooving depth (if CDX dimension is 20mm or more, using a 2-edge insert, the maximum grooving depth is 18mm)

○ : World Express (Shipping: 7-10 Business Days)

KGBA (External Shallow Grooving)



Toolholder Dimensions (Metric Size)

Part Number	Stock		Coolant Hole	Dimensions (mm)				Spare Parts		Applicable Inserts
	R	L		DCSFMS	LF	WF	CDX	Clamp Set	Wrench	
KPC3-KGBA $\frac{R}{L}$ 22040-16	○	○	Yes	32	40	22	2.5	LGBA-16 $\frac{R}{L}$ S		GBA32 $\frac{R}{L}$ Type
KPC4-KGBA $\frac{R}{L}$ 27050-16	○	○		40	50	27				
KPC5-KGBA $\frac{R}{L}$ 35060-16	○	○		50	60	35				
KPC3-KGBA $\frac{R}{L}$ 22040-2215	○	○	No	32	40	22	4.0		FT-15	
KPC4-KGBA $\frac{R}{L}$ 27050-2215	○	○		40	50	27				
KPC5-KGBA $\frac{R}{L}$ 35060-2215	○	○		50	60	35				
KPC3-KGBA $\frac{R}{L}$ 22040-2225	○	○	Yes	32	40	22	5.5	LGBA-22 $\frac{R}{L}$ S		GBA43 $\frac{R}{L}$ Type
KPC4-KGBA $\frac{R}{L}$ 27050-2225	○	○		40	50	27				
KPC5-KGBA $\frac{R}{L}$ 35060-2225	○	○		50	60	35				
KPC3-KGBA $\frac{R}{L}$ 22040-2235	○	○	No	32	40	22	5.5			
KPC4-KGBA $\frac{R}{L}$ 27050-2235	○	○		40	50	27				
KPC5-KGBA $\frac{R}{L}$ 35060-2235	○	○		50	60	35				

* 1 Pressure Resistance : up to 1,015 psi

* 2 CDX dimension shows the distance from the holder to the cutting edge. Actual grooving depth is the B dimension of the insert

* 3 Use clamp set LGBA-...RS for right-hand (R) holder and LGBA-...LS for left-hand (L) holder

* 4 See tables below for rake angle of the insert after installing in the holder

○ : World Express (Shipping: 7-10 Business Days)

GBA-GM Rake Angle (α) after Installment

α	Insert Part Number
10°	GBA43 $\frac{R}{L}$ 150-020GM
15°	GBA43 $\frac{R}{L}$ 175-020GM ~ GBA43 $\frac{R}{L}$ 265-030GM
12°	GBA43 $\frac{R}{L}$ 300-030GM ~ GBA43 $\frac{R}{L}$ 400-040GM

α indicates the rake angle from the center of the groove width when installed

GBA-MY Rake Angle (α) after Installment

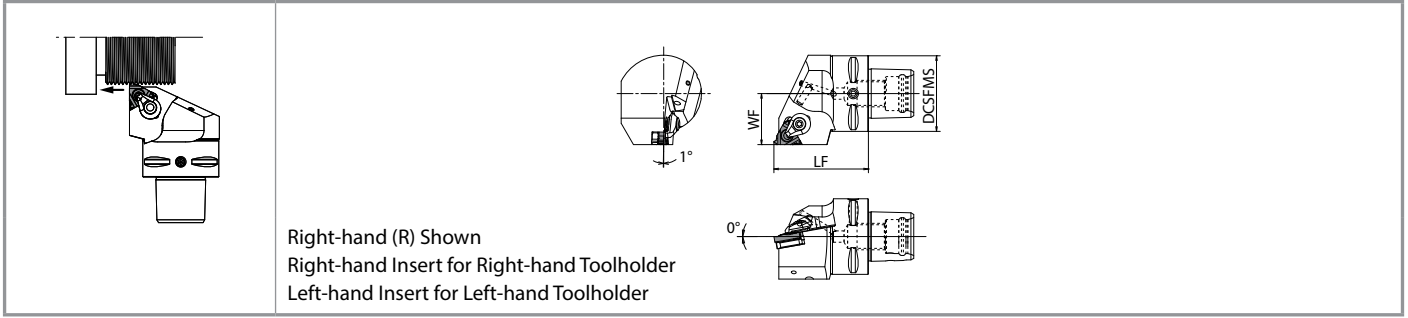
α	Insert Part Number
15°	GBA43 $\frac{R}{L}$ 175-020MY ~ GBA43 $\frac{R}{L}$ 350-030MY
14°	GBA43 $\frac{R}{L}$ 400-040MY

α indicates the rake angle from the center of the groove width when installed






GBA Rake Angle (α) after Installment

GBA32 $\frac{R}{L}$ ○○○-○○○		GBA43 $\frac{R}{L}$ ○○○-○○○		GBA32 $\frac{R}{L}$ ○○○-○○○R (Full-R)		
α	Insert Grade	α	Insert Grade	α	Insert Grade	Full-R
10°	TN620, TN90, PV7040, PR930 PR1115, PR1215, PR1625, PR905 KPD001, KPD010	0°	KBN510, KBN525	10°	TN620, TN90, PV7040, PR930 PR1115, PR1215, PR1625, PR905	050R ~ 150R
		10°	TN620, TC40, TN90, PV7040 PR930, PR1115, PR1215, PR1625 PR905, KPD001, KPD010	14°	TN620, TN90, PV7040, PR930 PR1115, PR1215, PR1625, PR905	200R
20°	KW10	20°	KW10		KW10	050R ~ 200R

KTN (External Threading)



Toolholder Dimensions (Metric Size)

Part Number	Stock		Coolant Hole	Dimensions (mm)			Spare Parts				Applicable Inserts
	R	L		DCSFMS	LF	WF	Clamp Set	Wrench	Shim	Shim Screw	
											
KPC3-KTN [®] / _L 22040-16	<input type="radio"/>	<input type="radio"/>	Yes	32	40	22		FT-15	TN-32	SP3X8	16E [®] / _L Type
KPC4-KTN [®] / _L 27050-16	<input type="radio"/>	<input type="radio"/>		40	50	27					
KPC5-KTN [®] / _L 35060-16	<input type="radio"/>	<input type="radio"/>		50	60	35					

* 1 Pressure Resistance : up to 1,015 psi

: World Express (Shipping: 7-10 Business Days)



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