


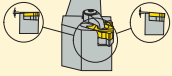



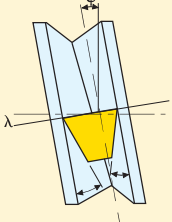


## Originally fitted insert shims


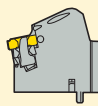








The table below shows the originally fitted insert shims. These insert shims are suitable for most operations when threading towards the chuck.

Toolholder		Clamp  External and internal threading		Screw  Internal threading	Jetstream Tooling®  External and internal threading	<p>The helix angle can be selected from +5 to -2 by changing the insert shim. The same insert shims are used for both right and left hand holders. The centre height remains constant.</p> 
Insert type		Single-tooth insert (Type S)	Single-tooth insert (Type K)	Single-tooth insert (Type S)	Single-tooth insert (Type S)	
Insert shim				No insert shim ( $\lambda=2^\circ$ )		
Insert size	16	GX 16-1			GXA16-1	<p>To receive the correct shape on the thread and uniform wear on the insert the cutting edge helix angle (<math>\lambda</math>) should be equal to the thread lead angle (<math>\phi</math>).</p> 
	20		KX 20-2			
	22	NX22-1			NXA22-1	
	26		KX26-2			
	27	VX27-1			VXA27-1	

SNR/L toolholders have no exchangeable insert shim and can therefore only be used for threading towards the chuck.

The table below shows the available insert shim range.

## Insert shim range

Toolholder		Clamp					Jetstream Tooling® Thread Turning		
		 External and internal threading					 External and internal threading		
Insert type		Multi-tooth insert (Type M)	Single-tooth insert (Type S)		Single-tooth insert (Type K)		Multi-tooth insert (Type M)	Single-tooth insert (Type S)	
Insert shim		 Threading towards the chuck	 Threading towards the chuck	 Threading away from the chuck	 Threading towards the chuck	 Threading away from the chuck	 Threading towards the chuck	 Threading towards the chuck	 Threading away from the chuck
Insert size	16	MX16-1	GX16-0, -1, -2, -3, -4	GX16-0 -99 -98			MXA16-1	GXA16-0, -1, -2, -3, -4	GXA16-0, -99, -98
	20				KX20-0, -1, -2, -3, -4, -5	KX20-0, -99			
	22	MX22-1	NX22-0, -1, -2, -3, -4	NX22-0 -99 -98			MXA22-1	NXA22-0, -1, -2, -3, -4	NXA22-0, -99, -98
	26				KX26-0, -1, -2, -3, -4, -5	KX26-0, -99			
	27	MX27-1	VX27-0, -1, -2, -3, -4	VX27-0 -99 -98			MXA27-1	VXA22-0, -1, -2, -3, -4	VXA27-0,-99,-98

The helix angle ( $\lambda$ ) can also be calculated. See page 26 for formulae.





### Threading towards the chuck