

# Cut-Off Toolholders (for small diameter)

## TKF

### ● Applicable Inserts (TKF12)

Classification of usage	P	Carbon Steel / Alloy Steel	●	☺	
● : Continuous-Low Interruption / 1st Choice	M	Stainless Steel	●	☺	
☺ : Continuous-Low Interruption / 2nd Choice	K	Cast Iron			●
● : Continuous / 1st Choice	N	Non-ferrous Metals			●
○ : Continuous / 2nd Choice					

Insert Handed Insert shows Right-hand	Description	Dimension (mm)							Angle (°)	MEGA COAT		PVD Coated Carbide		Carbide		Ref. Page for Toolholder
		W	∅D <sub>max</sub>	rε	T	H	∅d	θ		PR1225		PR1025		KW10		
										R	L	R	L	R	L	
 Right lead angle	TKF12 <sup>R/L</sup> 050-S-16DR	0.5	5	0.03	3	8.7	5	16°	●		●	●	●	●	●	H8
	070-S-16DR	0.7	8						●		●	●	●	●	●	
	100-S-16DR	1.0	12						●	●	●	●	●	●	●	
	150-S-16DR	1.5	12						●	●	●	●	●	●	●	
	200-S-16DR	2.0	12						●	●	●	●	●	●	●	
 Right lead angle Tough Edge	TKF12 <sup>R/L</sup> 050-S	0.5	5	0.03	3	8.7	5	0°	●		●	●	●	●	H8	
	070-S	0.7	8						●		●	●	●	●		
	100-S	1.0	12						●	●	●	●	●	●		
	150-S	1.5	12						●	●	●	●	●	●		
	200-S	2.0	12						●	●	●	●	●	●		
 Right lead angle Tough Edge	TKF12 <sup>R/L</sup> 100-T-16DR	1.0	12	0.08	3	8.7	5	16°	●	●					H8	
	150-T-16DR	1.5							●	●						
	200-T-16DR	2.0							●	●						
 Tough Edge	TKF12 <sup>R/L</sup> 100-T	1.0	12	0.08	3	8.7	5	0°	●	●					H8	
	150-T	1.5							●	●						
	200-T	2.0							●	●						
 Right lead angle	TKF12 <sup>R/L</sup> 050-NB-20DR	0.5	5	0	3	8.7	5	20°			●	●	●	●	H8	
	070-NB-20DR	0.7	8						●	●	●	●				
	100-NB-20DR	1.0	12						●	●	●	●				
	150-NB-20DR	1.5	12						●	●	●	●				
	200-NB-20DR	2.0	12						●	●	●	●				
 Without Chipbreaker	TKF12 <sup>R/L</sup> 050-NB	0.5	5	0	3	8.7	5	0°			●	●	●	●	H8	
	070-NB	0.7	8						●	●	●	●				
	100-NB	1.0	12						●	●	●	●				
	150-NB	1.5	12						●	●	●	●				
	200-NB	2.0	12						●	●	●	●				

\* Lead angle shows the angle when installed in toolholder.

\* As Fig.1 of H8 shows, the cutting diameter of the insert is indicated when the top of the cutting edge progresses 1mm from the center.

### ◆ Identification of Description (See Table.1)

## TKF 12 R 050—S—16D R

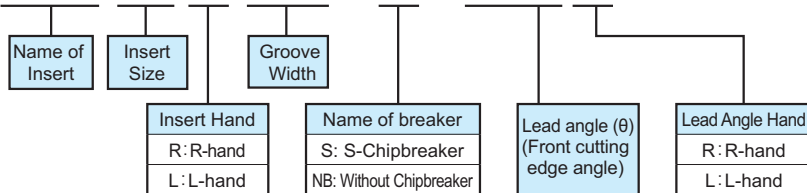


Table1

Toolholder	R-hand (R)	Toolholder	L-hand (L)
Insert	R-hand (R)	Insert	L-hand (L)
Lead Angle	R-hand (R)	Lead Angle	R-hand (R)

### ● Descriptions of Chipbreaker Edge Shape

Edge Shape	S-Chipbreaker		T-Chipbreaker (Tough Edge)		NB-Chipbreaker	
	α	Description	α	Description	α	Description
	15°	TKF12..-S	12°	TKF..-T TKF..-T-16DR	0°	TKF..-NB TKF..-NB-20DR
	20°	TKF16..-S TKF16..-S-16DR				
	25°	TKF12..-S-16DR				

Inserts are sold in 10 piece boxes.

● : Std. Item □ : Check Availability