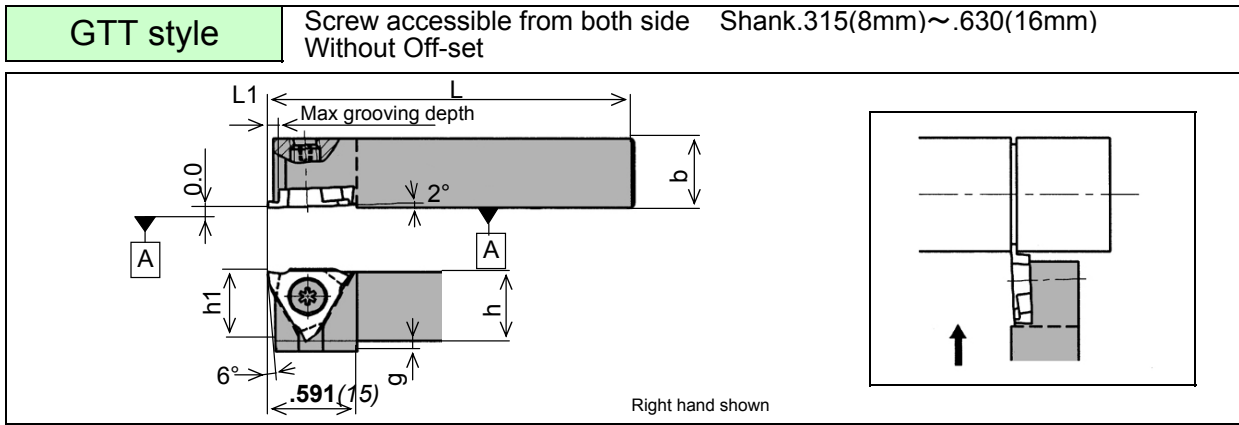


Grooving

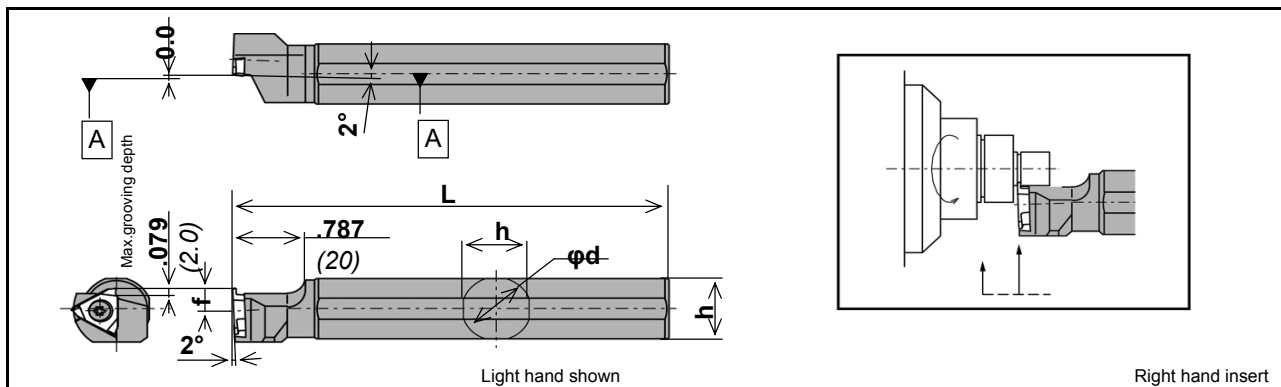


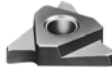


Item number	Stock		Dimensions Inch (mm)					W Inch (mm)	Insert	Parts		
	R	L	h h1	b	L	L1	g			Clamp screw	Wrench	
GTTR/L06A-IN	●	●	3/8"	3/8"	4.724(120)	.079(2)	.118(3)	.012~.118 (0.30 ~ 3.00)	TMG32 GTM32 GTMH32 GTMX32	LR-S-4 ×10PW	RLR-15S	
GTTR/L08A-IN	●	●	1/2"	1/2"			.039(1)					
GTTR/L10A-IN	●	●	5/8"	5/8"			0					
GTTR/L06B-IN	●	●	3/8"	3/8"		.118(3)	.118(3)	.057~.118 (1.45 ~ 3.00)				
GTTR/L08B-IN	●	●	1/2"	1/2"			.039(1)					
GTTR/L10B-IN	●	●	5/8"	5/8"			0					
GTTR/L08F00	★	★	.315 (8)	.315 (8)	3.150(80)	.079(2)	.197(5)	.012~.118 (0.30 ~ 3.00)				
GTTR/L10F00	★	★	.394 (10)	.394 (10)	3.150(80)		.118(3)					
GTTR/L12F00	★	★	.472 (12)	.472 (12)	3.150(80)		.039(1)					
GTTR/L12K00	●	★	.472 (12)	.472 (12)	4.724(120)		0					
GTTR/L16H00	★	★	.630 (16)	.630 (16)	3.937(100)		.118(3)					.057~.118 (1.45 ~ 3.00)
GTTR/L16K00	●	★	.630 (16)	.630 (16)	4.724(120)							
GTTR/L10F15	★	★	.394 (10)	.394 (10)	3.150(80)	.118(3)		.098~.118 (2.50 ~ 3.00)				
GTTR/L10K15	★	★	.394 (10)	.394 (10)	4.724(120)	.118(3)						
GTTR/L12F15	★	★	.472 (12)	.472 (12)	3.150(80)	.039(1)						
GTTR/L12K15	●	★	.472 (12)	.472 (12)	4.724(120)	0						
GTTR/L16H15	★	★	.630 (16)	.630 (16)	3.937(100)	.118(3)	.098~.118 (2.50 ~ 3.00)					
GTTR/L16K15	●	★	.630 (16)	.630 (16)	4.724(120)							0
GTTR/L10F25	★	★	.394 (10)	.394 (10)	3.150(80)			.118(3)	.098~.118 (2.50 ~ 3.00)			
GTTR/L10K25	★	★	.394 (10)	.394 (10)	4.724(120)			.118(3)				
GTTR/L12F25	★	★	.472 (12)	.472 (12)	3.150(80)			.039(1)				
GTTR/L12K25	★	★	.472 (12)	.472 (12)	4.724(120)			0				
GTTR/L16H25	★	★	.630 (16)	.630 (16)	3.937(100)	.118(3)	.098~.118 (2.50 ~ 3.00)					
GTTR/L16K25	★	★	.630 (16)	.630 (16)	4.724(120)			0				

When using deeper than L1, please modify the toolholder.
For detail of inserts, see page 130-133

DS-GTTL style

DS type toolholder (See page 30 for detail)

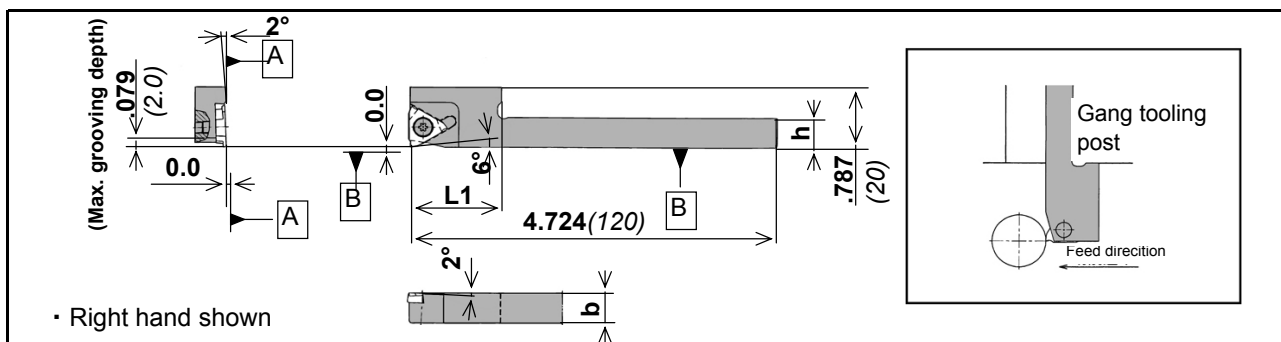





Item number	Stock	Dimensions Inch (mm)				Insert	Parts			
		φd	h	L	f		Clamp screw	Wrench		
DS-GTTL14F	★	.551(14.0)	.522(13)	3.150(80)	.236(6.0)	 TMG32 TBMH32 GTM32 GTMH32 GTMX32	 LR-S -4×5.8	 RLR-20S		
DS-GTTL15H	★	5/8"(15.875)	.591(15)	3.937(100)						
DS-GTTL16X	★	.630(16.0)		3.740(95)						
DS-GTTL19	●	3/4"(19.05)	.709(18)	4.724(120)	.236(6.0)				LR-S -4×5.8	RLR-20S
DS-GTTL20	★	.787(20.0)	.748(19)							
DS-GTTL22	●	.866(22.0)	.827(21)							
DS-GTTL25	●	1"(25.4)	.945(24)			.394(10.0)				

For detail of inserts, see page 130-133

Y-GTTR style

Y-axis toolholder (See page 38 for detail)



Item number	Stock	Dimension Inch (mm)			Insert	Parts	
		h	b	L1		Clamp screw	Wrench
Y-GTTR06-IN	●	3/8"	3/8"	.984(25)	 TMG32 □□□R GTM32 □□□R GTMH32 □□□R GTMX32 □□□R	 LR-S- 4×10PW	 RLR-15S
Y-GTTR08-IN	●	1/2"	1/2"				
Y-GTTR10-IN	●	5/8"	5/8"				
Y-GTTR10S	★	.394(10)	.394(10)	.787(20)			
Y-GTTR10	★			.984(25)			
Y-GTTR10L	★			1.181(30)			
Y-GTTR12S	★	.472(12)	.472(12)	.787(20)			
Y-GTTR12	★			.984(25)			
Y-GTTR12L	★			1.181(30)			

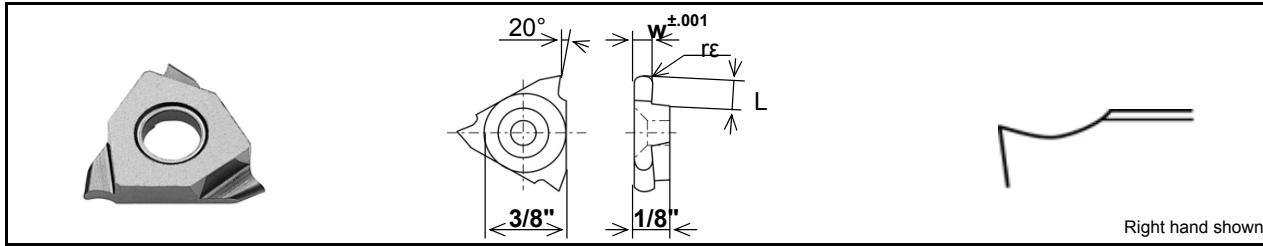
For detail of inserts, see page 130-133

Grooving

GTMH32-E style

Width tolerance $w \pm .001$

Full Radius Groover



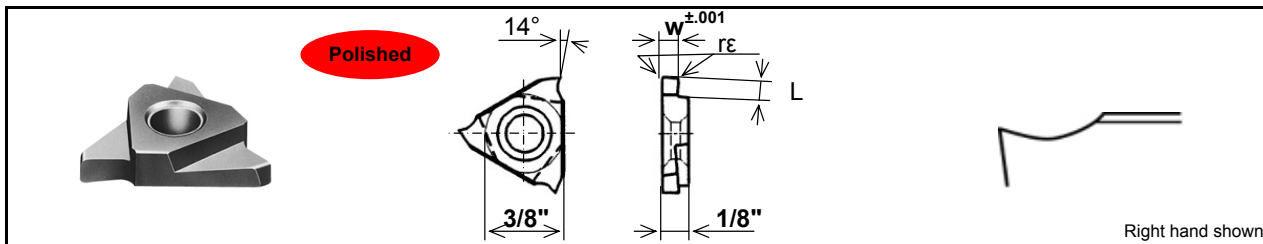
Item number	Dimensions Inch (mm)				Stock	
	w	L	Max machining depth	rε	QM3	ZM3
GTMH32050RE025	.020(0.50)	.047(1.2)	.035(0.9)	.010(0.25)	●	●
GTMH32070RE035	.028(0.70)	.079(2.0)	.063(1.6)	.014(0.35)		●
GTMH32100RE05	.039(1.00)			.020(0.50)	●	●
GTMH32150RE075	.059(1.50)	.118(3.0)	.106(2.7)	.030(0.75)	●	
GTMH32200RE10	.079(2.00)			.039(1.00)	●	★
GTMH32300RE15	.118(3.00)			.059(1.50)	●	★

For detail of toolholder, see page 128-129

GTMH32-VT style

Width tolerance $w \pm .001$

For traverse turning machining



Item number	Dimensions Inch (mm)				Stock
	w	L	Max.machining depth	rε	VM1
GTMH32033RVT	.013(0.33)	.079(2.0)	.063(1.6)	0.0	●
GTMH32043RVT	.017(0.43)				★
GTMH32053RVT	.021(0.53)				★
GTMH32065RVT	.026(0.65)				★
GTMH32075RVT	.030(0.75)				●
GTMH32080RVT	.031(0.80)				★
GTMH32085RVT	.033(0.85)				★
GTMH32095RVT	.037(0.95)				★
GTMH32100RVT	.039(1.00)				●
GTMH32110RVT	.043(1.10)				★
GTMH32120RVT	.047(1.20)				★
GTMH32130RVT	.051(1.30)				★
GTMH32140RVT	.055(1.40)				★
GTMH32150RVT	.059(1.50)				★
GTMH32200RVT	.079(2.00)	.118(3.0)	.106(2.7)	●	

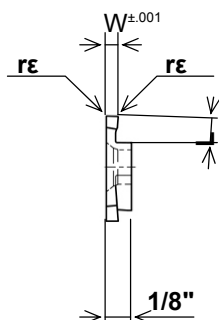
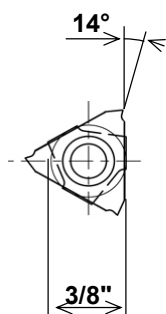
For detail of toolholder, see page 128-129

■ Tips for Cutting Condition Selection (GTMH32-VT style inserts)

- ① To perform side turning with an insert whose groove width is greater than 0.43mm (.017"), set side turning feed rate to 0.03mm/rev (.001in/rev) or smaller.
- ② On performing side turning with an insert whose groove width is greater than 0.43mm (.017") at the feed rate over 0.03mm/rev (.001in/rev) (0.1mm/rev (.004in/rev) max), it is likely that chip damages grooved sides. In this case, please perform grooving by two or more passes to make room for chips before performing side turning.

GTMX32-T style

Width tolerance $w \pm .001$ For side turning machining



Right hand shown

Item number	Dimensions Inch (mm)				Stock		
	w	L	Max.machining depth	rε	QM3		
					R	L	
GTMX32030R/LT	.012(0.30)	.024(0.6)	.010(0.25)	.002(0.05)	★	★	
GTMX32033R/LT	.013(0.33)				★	★	
GTMX32043R/LT	.017(0.43)				★	★	
GTMX32050R/LT	.020(0.50)	.047(1.2)	.035(0.9)		★	★	
GTMX32053R/LT	.021(0.53)				★	★	
GTMX32065R/LT	.026(0.65)				★	★	
GTMX32075R/LT	.030(0.75)	.079(2.0)	.063(1.6)		●	★	
GTMX32080R/LT	.031(0.80)				★	★	
GTMX32095R/LT	.037(0.95)				★	★	
GTMX32100R/LT	.039(1.00)				●	★	
GTMX32110R/LT	.043(1.10)				★	★	
GTMX32120R/LT	.047(1.20)				★	★	
GTMX32125R/LT	.049(1.25)				★	★	
GTMX32130R/LT	.051(1.30)				★	★	
GTMX32140R/LT	.055(1.40)				★	★	
GTMX32145R/LT	.057(1.45)			.118(3.0)	.106(2.7)	★	★
GTMX32150R/LT	.059(1.50)	●	★				
GTMX32160R/LT	.063(1.60)	★	★				
GTMX32175R/LT	.069(1.75)	★	★				
GTMX32180R/LT	.071(1.80)	★	★				
GTMX32200R/LT	.079(2.00)	●	★				
GTMX32250R/LT	.098(2.50)	★	★				
GTMX32300R/LT	.118(3.00)	●	★				
GTMX32100R/LT01	.039(1.00)	.079(2.0)	.063(1.6)			●	★
GTMX32120R/LT01	.047(1.20)					★	★
GTMX32150R/LT01	.059(1.50)			●	★		
GTMX32200R/LT01	.079(2.00)	.118(3.0)	.106(2.7)	●	★		
GTMX32250R/LT01	.098(2.50)			★			
GTMX32300R/LT01	.118(3.00)			●			
GTMX32150R/LT02	.059(1.50)			●			
GTMX32200R/LT02	.079(2.00)			●			
GTMX32250R/LT02	.098(2.50)			★			
GTMX32300R/LT02	.118(3.00)			●			

For detail of toolholder, see page 128-129