

# Grooving / Side-Turning

## GTT Series

### GTT

Screw accessible from both sides

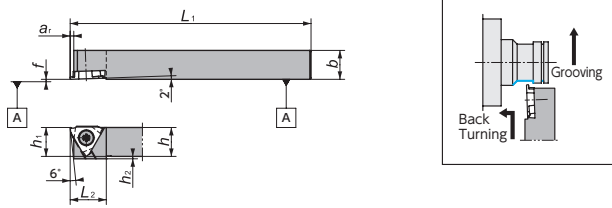


Figure-1

Right-Hand style shown

### GTT-OH2 (Coolant through)

Screw accessible from both sides

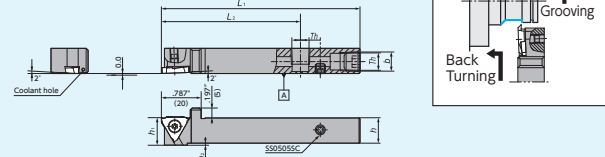


Figure-2

Right-Hand style shown

Th (Thread type)  
Inch size holder : NPT1/8  
Metric size holder: M6, Rc1/8 (PT1/8)

### GTT-OH (Coolant through)

Screw accessible from both sides

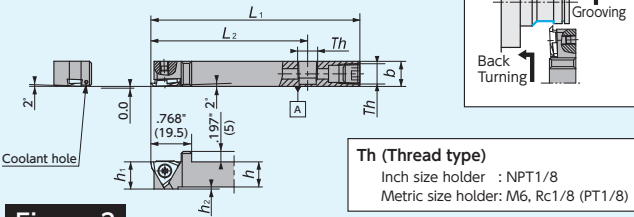


Figure-3

Right-Hand style shown

Th (Thread type)  
Inch size holder : NPT1/8  
Metric size holder: M6, Rc1/8 (PT1/8)

### CH-GTT

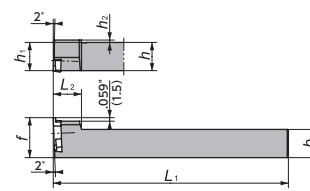


Figure-4

Left-Hand style shown  
Takes Right-hand Insert

## GTT

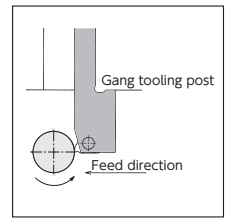
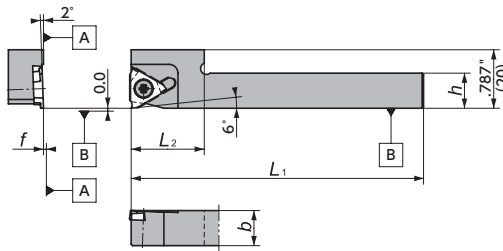
Gage Insert	Item Number	Figure	Stock		Groove Width W		h		b		h <sub>1</sub>		L <sub>1</sub>		f		L <sub>2</sub>		a <sub>1</sub>		h <sub>2</sub>		Th	Clamp Screw	Wrench
			R	L	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)					
	GTT $\frac{1}{8}$ 06A-IN	1	●	●	.012-.125	0.30-3.17	3/8	3/8	3/8	3/8	4.724	120	.000	0	.591	15.0	.071	1.8	.118	3	-	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 06B-IN	1	●	●	.057-.125	1.45-3.17	3/8	3/8	3/8	3/8	4.724	120	.000	0	.591	15.0	.106	2.7	.118	3	-	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 08A-IN	1	●	●	.012-.125	0.30-3.17	1/2	1/2	1/2	1/2	4.724	120	.000	0	.591	15.0	.071	1.8	.039	1	-	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 08B-IN	1	●	●	.057-.125	1.45-3.17	1/2	1/2	1/2	1/2	4.724	120	.000	0	.591	15.0	.106	2.7	.039	1	-	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 10A-IN	1	●	●	.012-.125	0.30-3.17	5/8	5/8	5/8	5/8	4.724	120	.000	0	.591	15.0	.071	1.8	.000	0	-	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 10B-IN	1	●	●	.057-.125	1.45-3.17	5/8	5/8	5/8	5/8	4.724	120	.000	0	.591	15.0	.106	2.7	.000	0	-	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 12A-IN	1	●	●	.012-.125	0.30-3.17	3/4	3/4	3/4	3/4	4.724	120	.000	0	.591	15.0	.071	1.8	.000	0	-	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 12B-IN	1	●	●	.057-.125	1.45-3.17	3/4	3/4	3/4	3/4	4.724	120	.000	0	.591	15.0	.106	2.7	.000	0	-	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 08F00	1	○	○	.012-.125	0.30-3.17	.315	8	.315	8	.315	8	3.150	80	.000	0	.591	15.0	.071	1.8	.157	5	-	R:LR-5-4x10PW L:LR-5-4x5.8	CLR-15S
	GTT $\frac{1}{8}$ 0810F00	1	○	○	.012-.125	0.30-3.17	.315	8	.394	10	.315	8	3.150	80	.000	0	.591	15.0	.071	1.8	.157	5	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 08K00	1	○	○	.012-.125	0.30-3.17	.315	8	.315	8	.315	8	4.724	120	.000	0	.591	15.0	.071	1.8	.157	5	-	R:LR-5-4x10PW L:LR-5-4x5.8	CLR-15S
	GTT $\frac{1}{8}$ 0810K00	1	○	○	.012-.125	0.30-3.17	.315	8	.394	10	.315	8	4.724	120	.000	0	.591	15.0	.071	1.8	.157	5	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 10F00	1	○	○	.012-.125	0.30-3.17	.394	10	.394	10	.394	10	3.150	80	.000	0	.591	15.0	.071	1.8	.118	3	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 10K00	1	○	○	.012-.125	0.30-3.17	.394	10	.394	10	.394	10	4.724	120	.000	0	.591	15.0	.071	1.8	.118	3	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 12F00	1	○	○	.012-.125	0.30-3.17	.472	12	.472	12	.472	12	3.150	80	.000	0	.591	15.0	.071	1.8	.040	1	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 12K00	1	○	○	.012-.125	0.30-3.17	.472	12	.472	12	.472	12	4.724	120	.000	0	.591	15.0	.071	1.8	.040	1	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 16H00	1	○	○	.012-.125	0.30-3.17	.630	16	.630	16	.630	16	3.937	100	.000	0	.591	15.0	.071	1.8	.000	0	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 16K00	1	○	○	.012-.125	0.30-3.17	.630	16	.630	16	.630	16	4.724	120	.000	0	.591	15.0	.071	1.8	.000	0	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 20K00	1	○	○	.012-.125	0.30-3.17	.787	20	.787	20	.787	20	4.921	125	.000	0	.591	15.0	.106	2.7	.000	0	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 25M00	1	○	○	.012-.125	0.30-3.17	.984	25	.984	25	.984	25	5.906	150	.000	0	.591	15.0	.106	2.7	.000	0	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 10F15	1	○	○	.057-.125	1.45-3.17	.394	10	.394	10	.394	10	3.150	80	.000	0	.591	15.0	.106	2.7	.118	3	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 10K15	1	○	○	.057-.125	1.45-3.17	.394	10	.394	10	.394	10	4.724	120	.000	0	.591	15.0	.106	2.7	.118	3	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 12F15	1	○	○	.057-.125	1.45-3.17	.472	12	.472	12	.472	12	3.150	80	.000	0	.591	15.0	.106	2.7	.040	1	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 12K15	1	○	○	.057-.125	1.45-3.17	.472	12	.472	12	.472	12	4.724	120	.000	0	.591	15.0	.106	2.7	.040	1	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 16H15	1	○	○	.057-.125	1.45-3.17	.630	16	.630	16	.630	16	3.937	100	.000	0	.591	15.0	.106	2.7	.000	0	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 16K15	1	○	○	.057-.125	1.45-3.17	.630	16	.630	16	.630	16	4.724	120	.000	0	.591	15.0	.106	2.7	.000	0	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 10F25	1	○	○	.098-.125	2.50-3.17	.394	10	.394	10	.394	10	3.150	80	.000	0	.591	15.0	.106	2.7	.118	3	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 10K25	1	○	○	.098-.125	2.50-3.17	.394	10	.394	10	.394	10	4.724	120	.000	0	.591	15.0	.106	2.7	.118	3	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 12F25	1	○	○	.098-.125	2.50-3.17	.472	12	.472	12	.472	12	3.150	80	.000	0	.591	15.0	.106	2.7	.040	1	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 12K25	1	○	○	.098-.125	2.50-3.17	.472	12	.472	12	.472	12	4.724	120	.000	0	.591	15.0	.106	2.7	.040	1	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 16H25	1	○	○	.098-.125	2.50-3.17	.630	16	.630	16	.630	16	3.937	100	.000	0	.591	15.0	.106	2.7	.000	0	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 16K25	1	○	○	.098-.125	2.50-3.17	.630	16	.630	16	.630	16	4.724	120	.000	0	.591	15.0	.106	2.7	.000	0	-	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 08HA-IN-OH	3	■	■	.012-.125	0.30-3.17	1/2	1/2	1/2	1/2	3.937	100	.000	0	2.953	75	.071	1.8	.039	1	NPT1/8	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 08HA-IN-OH2	2	■	■	.012-.125	0.30-3.17	1/2	1/2	1/2	1/2	3.937	100	.000	0	2.756	70	.071	1.8	.039	1	NPT1/8	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 08HB-IN-OH	3	■	■	.057-.125	1.45-3.17	1/2	1/2	1/2	1/2	3.937	100	.000	0	2.953	75	.106	2.7	.039	1	NPT1/8	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 08HB-IN-OH2	2	■	■	.057-.125	1.45-3.17	1/2	1/2	1/2	1/2	3.937	100	.000	0	2.756	70	.106	2.7	.039	1	NPT1/8	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 10HA-IN-OH	3	■	■	.012-.125	0.30-3.17	5/8	5/8	5/8	5/8	3.937	100	.000	0	.768	19.5	.071	1.8	.000	0	NPT1/8	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 10XA-IN-OH2	2	■	■	.012-.125	0.30-3.17	5/8	5/8	5/8	5/8	4.724	120	.000	0	.768	19.5	.071	1.8	.000	0	NPT1/8	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 10HB-IN-OH	3	■	■	.057-.125	1.45-3.17	5/8	5/8	5/8	5/8	3.937	100	.000	0	.768	19.5	.106	2.7	.000	0	NPT1/8	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 10XB-IN-OH2	2	■	■	.057-.125	1.45-3.17	5/8	5/8	5/8	5/8	4.724	120	.000	0	.768	19.5	.106	2.7	.000	0	NPT1/8	LR-5-4x10PW	CLR-15S		
	GTT $\frac{1}{8}$ 1012H00-OH	3	○	○	.012-.125	0.30-3.17	.394	10	.472	12	.394	10	3.937	100	.000	0	.768	19.5	.071	1.8	.039	1	M6 x 1	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 12H00-OH	3	○	○	.012-.125	0.30-3.17	.472	12	.472	12	.472	12	3.937	100	.000	0	.768	19.5	.071	1.8	.039	1	Rc1/8 (PT1/8)	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 12H00-OH2	2	○	○	.012-.125	0.30-3.17	.472	12	.472	12	.472	12	3.937	100	.000	0	2.756	70	.071	1.8	.039	1	Rc1/8 (PT1/8)	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 16H00-OH	3	○	○	.012-.125	0.30-3.17	.630	16	.630	16	.630	16	3.937	100	.000	0	.768	19.5	.071	1.8	0	0	Rc1/8 (PT1/8)	LR-5-4x10PW	CLR-15S
	GTT $\frac{1}{8}$ 16X00-OH2	2	○	○	.012-.125	0.30-3.17	.630	16	.630	16	.630	16	4.724	120	.000	0	.768	19.5	.071	1.8	0	0	Rc1/8 (PT1/8)	LR-5-4x10PW	CLR-15S
	CH-GTT $\frac{1}{8}$ 10H00	4	○	○	.012-.125	0.30-3.17	.394	10	.394	10	.394	10.0	4.724	120	.591	15	.472	12.0	.059	1.5	.118	3	-	LR-5-4x10PW	CLR-15S
	CH-GTT $\frac{1}{8}$ 12H00	4	○	○	.012-.125	0.30-3.17	.472	12	.472	12	.472	12.0	4.724	120	.669	17	.472	12.0	.059	1.5	.040	1	-	LR-5-4x10PW	CLR-15S



GTM

## Y-GTT

Screw accessible from both sides

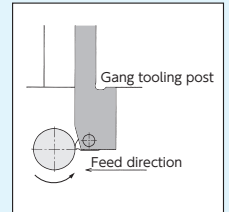
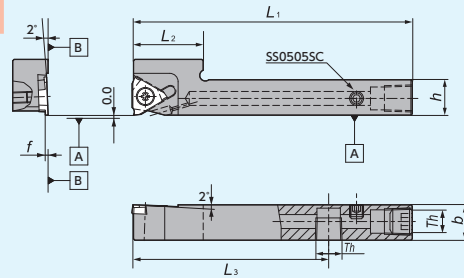


Right-Hand style shown  
Takes Right-hand Insert

Figure-5

## Y-GTT-OH2 (Coolant through)

Screw accessible from both sides



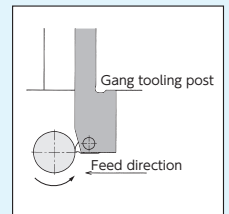
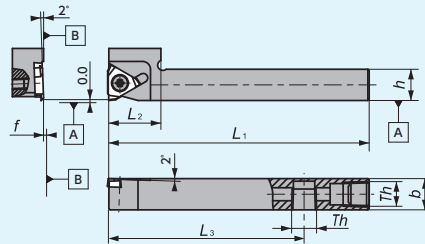
Right-Hand style shown  
Takes Right-hand Insert

Figure-6

Th (Thread type)  
Inch size holder : NPT1/8  
Metric size holder: Rc1/8 (PT1/8)

## Y-GTT-OH (Coolant through)

Screw accessible from both sides



Right-Hand style shown  
Takes Right-hand Insert

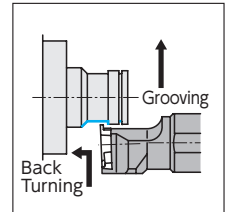
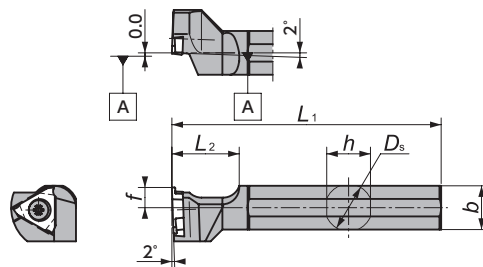
Figure-7

Th (Thread type)  
Inch size holder : NPT1/8  
Metric size holder: Rc1/8 (PT1/8)

## GTT

Gage Insert	Item Number	Figure	Stock		Groove Width W		h	b	h <sub>1</sub>	L <sub>1</sub>	f	L <sub>2</sub>	a <sub>r</sub>	L <sub>3</sub>	Th	Clamp Screw	Wrench								
			R	L	(Inch)	(mm)												(Inch)	(mm)						
	Y-GTTR%06-IN	5	●	○	.012-.125	0.30-3.17	3/8	3/8	-	4.724	120	.000	0	.984	25.0	.063	1.6	-	-	-	LR-5-4×10PW	CLR-155			
	Y-GTTR%08-IN	5	●	○	.012-.125	0.30-3.17	1/2	1/2	-	4.724	120	.000	0	.984	25.0	.063	1.6	-	-	-	-	LR-5-4×10PW	CLR-155		
	Y-GTTR%10-IN	5	●	○	.012-.125	0.30-3.17	5/8	5/8	-	4.724	120	.000	0	.984	25.0	.063	1.6	-	-	-	-	LR-5-4×10PW	CLR-155		
	Y-GTT%10MS	7	○	○	.012-.125	0.30-3.17	.394	10	.394	10	-	4.724	120	.000	0	.866	22.0	.063	1.6	-	-	-	LR-5-4×10PW	CLR-155	
	Y-GTT%110S	5	○	○	.012-.125	0.30-3.17	.394	10	.394	10	-	4.724	120	.000	0	.787	20.0	.063	1.6	-	-	-	LR-5-4×10PW	CLR-155	
	Y-GTT%12MS	7	○	○	.012-.125	0.30-3.17	.472	12	.472	12	-	4.724	120	.000	0	.866	22.0	.063	1.6	-	-	-	LR-5-4×10PW	CLR-155	
	Y-GTT%12S	5	○	○	.012-.125	0.30-3.17	.472	12	.472	12	-	4.724	120	.000	0	.787	20.0	.063	1.6	-	-	-	LR-5-4×10PW	CLR-155	
	Y-GTT%08H-IN-OH	7	■	○	.012-.125	0.30-3.17	1/2	1/2	-	3.937	100	.000	0	.984	25.0	.063	1.6	2.756	70	NPT1/8	-	LR-5-4×10PW	CLR-155		
	Y-GTT%08H-OH2	6	■	○	.012-.125	0.30-3.17	1/2	1/2	-	3.937	100	.000	0	.984	25.0	.063	1.6	2.953	75	NPT1/8	-	LR-5-4×10PW	CLR-155		
	Y-GTT%12H00S-OH	7	■	○	.012-.125	0.30-3.17	.472	12	.472	12	-	3.937	100	.000	0	.787	20.0	.063	1.6	2.756	70	Rc1/8(PT1/8)	-	LR-5-4×10PW	CLR-155
	Y-GTT%12H00S-OH2	6	■	○	.012-.125	0.30-3.17	.472	12	.472	12	-	3.937	100	.000	0	.787	20.0	.063	1.6	2.953	75	Rc1/8(PT1/8)	-	LR-5-4×10PW	CLR-155
	Y-GTT%16H00-OH	7	○	○	.012-.125	0.30-3.17	.630	16	.472	16	-	3.937	100	.000	0	.984	25.0	.063	1.6	2.953	75	Rc1/8(PT1/8)	-	LR-5-4×10PW	CLR-155

## DS-GTT



Left-Hand style shown  
Takes Right-hand Insert

Figure-8

## DS-GTT

Gage Insert	Item Number	Figure	Stock		D <sub>s</sub>		h		b		L <sub>1</sub>	f	L <sub>2</sub>		Clamp Screw	Wrench		
			R	L	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)			(Inch)	(mm)				
	DS-GTT%14F	8	○	○	.551	14.000	.512	13	.512	13	3.150	80	.236	6	.787	20	LR-5-4×9	RLR-20S
	DS-GTT%15H	8	○	○	.578	15.875	.591	15	.591	15	3.937	100	.236	6	.787	20	LR-5-4×9	RLR-20S
	DS-GTT%16X	8	●	○	.630	16.000	.591	15	.591	15	3.740	95	.236	6	.787	20	LR-5-4×9	RLR-20S
	DS-GTT%19	8	●	○	.374	19.050	.709	18	.709	18	4.724	120	.236	6	.787	20	LR-5-4×9	RLR-20S
	DS-GTT%20	8	●	○	.787	20.000	.748	19	.748	19	4.724	120	.236	6	.787	20	LR-5-4×9	RLR-20S
	DS-GTT%22	8	●	○	.866	22.000	.827	21	.827	21	4.724	120	.236	6	.787	20	LR-5-4×9	RLR-20S
	DS-GTT%25-MET	8	○	○	.984	25.000	.945	24	.945	24	4.724	120	.394	10	.787	20	LR-5-4×9	RLR-20S
	DS-GTT%25	8	●	○	1	25.400	.945	24	.945	24	5.906	150	.394	10	.787	20	LR-5-4×9	RLR-20S
	DS-GTT%32	8	○	○	.984	25.000	.945	24	.945	24	5.906	150	.394	10	.787	20	LR-5-4×9	RLR-20S

● : Stock  
● : Stock (Newly added)  
■ : While stocks last  
R L : Stock (Right / Left-hand only)  
R L : Stock (Right / Left-hand only, Newly added)  
○ : 1-2 week delivery  
○ : 1-2 week delivery (Newly added)  
⊙ : 1-2 week delivery (Right / Left-hand only)  
⊙ : 1-2 week delivery (Right / Left-hand only, Newly added)  
⊙ : Coolant through

## GTMX32

Shape	Item Number	Groove Width W		Max Depth of Cut Grooving		L		r <sub>ε</sub>		Coated Carbide			
		(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	DT4		QM3	
										R	L	R	L
	GTMX32030%LT	.012	0.30	.010	0.25	.024	0.6	.002	0.05	○		●	
	GTMX32033%LT	.013	0.33	.010	0.25	.024	0.6	.002	0.05	○		●	
	GTMX32043%LT	.017	0.43	.035	0.9	.047	1.2	.002	0.05	○		●	
	GTMX32050%LT	.020	0.50	.035	0.9	.047	1.2	.002	0.05	○		●	■
	GTMX32053%LT	.021	0.53	.035	0.9	.047	1.2	.002	0.05	○		●	
	GTMX32065%LT	.026	0.65	.035	0.9	.047	1.2	.002	0.05	○		●	
	GTMX32075%LT	.030	0.75	.063	1.6	.079	2.0	.002	0.05	○	○	●	●
	GTMX32080%LT	.031	0.80	.063	1.6	.079	2.0	.002	0.05	○		●	■
	GTMX32095%LT	.037	0.95	.063	1.6	.079	2.0	.002	0.05	○	○	○	○
	GTMX32100%LT	.039	1.00	.063	1.6	.079	2.0	.002	0.05	○		○	
	GTMX32100%LT01	.039	1.00	.063	1.6	.079	2.0	.004	0.1	○		●	
	GTMX32110%LT	.043	1.10	.063	1.6	.079	2.0	.002	0.05	○		○	
	GTMX32120%LT	.047	1.20	.063	1.6	.079	2.0	.002	0.05	○		●	
	GTMX32120%LT01	.047	1.20	.063	1.6	.079	2.0	.004	0.1	○		●	
	GTMX32125%LT	.049	1.25	.063	1.6	.079	2.0	.002	0.05	○		●	
	GTMX32130%LT	.051	1.30	.063	1.6	.079	2.0	.002	0.05	○		○	
	GTMX32140%LT	.055	1.40	.063	1.6	.079	2.0	.002	0.05	○		○	
	GTMX32145%LT	.057	1.45	.106	2.7	.118	3.0	.002	0.05	○		○	
	GTMX32150%LT	.059	1.50	.106	2.7	.118	3.0	.002	0.05	○	○	●	●
	GTMX32150%LT01	.059	1.50	.106	2.7	.118	3.0	.004	0.1	○		●	
	GTMX32150%LT02	.059	1.50	.106	2.7	.118	3.0	.008	0.2	○		○	
	GTMX32160%LT	.063	1.60	.106	2.7	.118	3.0	.002	0.05	○		●	
	GTMX32175%LT	.069	1.75	.106	2.7	.118	3.0	.002	0.05	○		○	●
	GTMX32180%LT	.071	1.80	.106	2.7	.118	3.0	.002	0.05	○		○	□
	GTMX32200%LT	.079	2.00	.106	2.7	.118	3.0	.002	0.05	○	○	●	●
	GTMX32200%LT01	.079	2.00	.106	2.7	.118	3.0	.004	0.1	○	○	○	○
GTMX32200%LT02	.079	2.00	.106	2.7	.118	3.0	.008	0.2	○		○		
GTMX32250%LT	.098	2.50	.106	2.7	.118	3.0	.002	0.05	○	○	●	○	
GTMX32250%LT01	.098	2.50	.106	2.7	.118	3.0	.004	0.1	○		○		
GTMX32250%LT02	.098	2.50	.106	2.7	.118	3.0	.008	0.2	○		○		
GTMX32300%LT	.118	3.00	.106	2.7	.118	3.0	.002	0.05	○		●		
GTMX32300%LT02	.118	3.00	.106	2.7	.118	3.0	.008	0.2	○		●		

Right-Hand style shown

Grooving / Side-Turning

## GTMH32 - VT Mirror finish

Shape	Item Number	Groove Width W		Max Depth of Cut Grooving		L		r <sub>ε</sub>		Coated Carbide	
		(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	VM1	
										R	L
	GTMH32033%VT M	.013	0.33	.010	0.25	.024	0.6	0.0	0.0	●	
	GTMH32043%VT M	.017	0.43	.035	0.9	.047	1.2	0.0	0.0	●	
	GTMH32053%VT M	.021	0.53	.063	1.6	.079	2.0	0.0	0.0	●	
	GTMH32065%VT M	.026	0.65	.063	1.6	.079	2.0	0.0	0.0	●	
	GTMH32075%VT M	.030	0.75	.063	1.6	.079	2.0	0.0	0.0	●	
	GTMH32080%VT M	.031	0.80	.063	1.6	.079	2.0	0.0	0.0	○	
	GTMH32085%VT M	.033	0.85	.063	1.6	.079	2.0	0.0	0.0	○	
	GTMH32095%VT M	.037	0.95	.063	1.6	.079	2.0	0.0	0.0	○	
	GTMH32100%VT M	.039	1.00	.063	1.6	.079	2.0	0.0	0.0	●	
	GTMH32110%VT M	.043	1.10	.063	1.6	.079	2.0	0.0	0.0	○	
	GTMH32120%VT M	.047	1.20	.063	1.6	.079	2.0	0.0	0.0	○	
	GTMH32130%VT M	.051	1.30	.063	1.6	.079	2.0	0.0	0.0	○	
	GTMH32140%VT M	.055	1.40	.063	1.6	.079	2.0	0.0	0.0	○	
	GTMH32150%VT M	.059	1.50	.106	2.7	.118	3.0	0.0	0.0	●	
GTMH32200%VT M	.079	2.00	.106	2.7	.118	3.0	0.0	0.0	●		

Right-Hand style shown

### Side turning instruction for GTMH-GX / GTMX-T / GTMH-VT

- ① To perform side turning with an insert whose groove width is greater than .017" set side turning feed rate to .001 IPR or smaller.
- ② When performing side turning with an insert whose groove width is greater than .017" and the feed rate is over .001 IPR (.004 IPR max), it is likely that chips will damage grooved sides. In this case, please perform grooving in two or more passes to make room for chips before performing side turning.

Holders → T10

Cutting condition → T4

# Grooving / Side-Turning

## GTMH32 - E

Shape	Item Number	Groove width $W$		Max Depth of Cut		$L$		$r_\epsilon$		Coated Carbide	
		(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	ZM3	
										R	L
<p>Right-Hand style shown</p>	GTMH32033%LE	.013	0.33	.012	0.3	.024	0.6	.001	0.03	○	○
	GTMH32043%LE	.017	0.43	.035	0.9	.047	1.2	.001	0.03	●	○
	GTMH32053%LE	.021	0.53	.035	0.9	.047	1.2	.002	0.05	○	○
	GTMH32075%LE	.030	0.75	.063	1.6	.079	2.0	.002	0.05	○	○
	GTMH32077%LE	.030	0.77	.063	1.6	.079	2.0	.002	0.05	○	○
	GTMH32095%LE	.037	0.95	.063	1.6	.079	2.0	.002	0.05	○	○
	GTMH32097%LE	.038	0.97	.063	1.6	.079	2.0	.002	0.05	○	○
	GTMH32100%LE	.039	1.00	.063	1.6	.079	2.0	.002	0.05	○	○
	GTMH32100%LE01	.039	1.00	.063	1.6	.079	2.0	.004	0.1	○	○
	GTMH32120%LE	.047	1.20	.063	1.6	.079	2.0	.002	0.05	●	○
	GTMH32120%LE01	.047	1.20	.063	1.6	.079	2.0	.004	0.1	○	○
	GTMH32125%LE	.049	1.25	.063	1.6	.079	2.0	.002	0.05	○	○
	GTMH32140%LE	.055	1.40	.063	1.6	.079	2.0	.002	0.05	○	○
	GTMH32145%LE	.057	1.45	.063	1.6	.079	2.0	.002	0.05	○	○
	GTMH32150%LE	.059	1.50	.106	2.7	.118	3.0	.002	0.05	○	○
	GTMH32150%LE01	.059	1.50	.106	2.7	.118	3.0	.004	0.1	○	○
	GTMH32175%LE	.069	1.75	.106	2.7	.118	3.0	.002	0.05	○	○
	GTMH32180%LE	.071	1.80	.106	2.7	.118	3.0	.002	0.05	○	○
GTMH32200%LE	.079	2.00	.106	2.7	.118	3.0	.002	0.05	○	○	
GTMH32200%LE01	.079	2.00	.106	2.7	.118	3.0	.004	0.1	○	○	
GTMH32225%LE	.089	2.25	.106	2.7	.118	3.0	.002	0.05	○	○	
GTMH32250%LE	.098	2.50	.106	2.7	.118	3.0	.002	0.05	○	○	
GTMH32275%LE	.108	2.75	.106	2.7	.118	3.0	.002	0.05	○	○	
GTMH32300%LE	.118	3.00	.106	2.7	.118	3.0	.002	0.05	○	○	

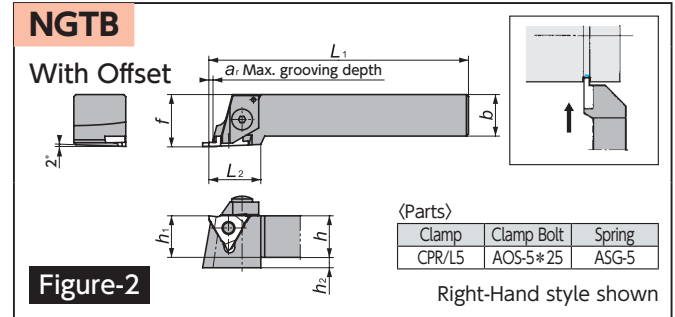
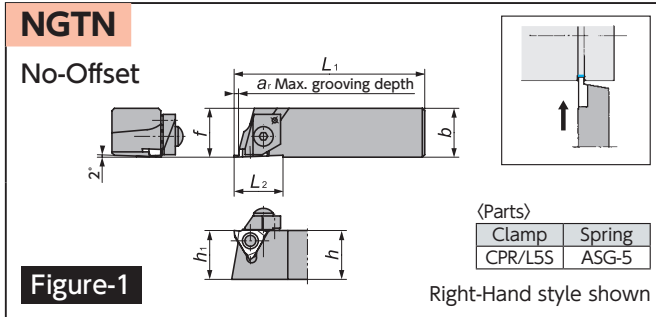
## GTMH32 (Full radius style)

Shape	Item Number	Groove Width $W$		Max Depth of Cut		$L$		$r_\epsilon$		Coated Carbide			
		(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	QM3		ZM3	
										R	L	R	L
<p>Right-Hand style shown</p>	GTMH32050%LE025	.020	0.50	.035	0.9	.047	1.2	.010	0.25	●	●		
	GTMH32070%LE035	.028	0.70	.063	1.6	.079	2.0	.014	0.35	●	●		
	GTMH32100%LE05	.039	1.00	.063	1.6	.079	2.0	.020	0.50	●	●		
	GTMH32150%LE075	.059	1.50	.106	2.7	.118	3.0	.030	0.75	●	○		
	GTMH32200%LE10	.079	2.00	.106	2.7	.118	3.0	.039	1.00	●	○		
GTMH32300%LE15	.118	3.00	.106	2.7	.118	3.0	.059	1.50	●	○			

Holders → T10

Cutting condition → T4

## GTM.43 Series - Toolholders



## GTM.43 Series - Toolholders

### NGTN / NTGB

Gage Insert	Item Number	Figure	Stock		Groove Width Range		$a_r$	$h$	$b$	$h_1$	$L_1$	$f$	$L_2$	$h_2$	Clamp Screw	Wrench
			R	L	(Inch)	(mm)										
GTM43 GTMA43 GTMT43	NGTN%161643-20	1	○	○	.079-.137	2.00-3.49	.177 4.5	.630 16	.630 16	.630 16	3.071 78	.630 16	.787 20	.354 9	AOS-5 × 20	LW-2.5
	NGTN%161643-35	1	○	○	.138-.217	3.50-5.50	.177 4.5	.630 16	.630 16	.630 16	3.071 78	.630 16	.787 20	.354 9	AOS-5 × 20	LW-2.5
	NGTB%161643-00S	2	○	○	.039-.098	1.00-2.49	.118 3.0	.630 16	.630 16	.630 16	3.150 100	.787 20	.984 25	.354 9	AOS-5 × 25	LW-2.5
	NGTB%161643-20S	2	○	○	.079-.137	2.00-3.49	.177 4.5	.630 16	.630 16	.630 16	3.150 100	.787 20	.984 25	.354 9	AOS-5 × 25	LW-2.5
	NGTB%161643-35S	2	○	○	.138-.217	3.50-5.50	.177 4.5	.630 16	.630 16	.630 16	3.150 100	.787 20	.984 25	.354 9	AOS-5 × 25	LW-2.5

## GTMA43.. Inserts - Carbide

### GTMT43 / GTMA43

Shape	Item Number	Groove Width $w$		Max Depth of Cut		$L$		$r_\epsilon$		$s$		Coated Carbide			
		(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	DM4		QM3	
												R	L	R	L
	GTMT43145%	.057	1.45	.118	3.0	.138	3.5	.008	0.2	.187	4.76	○	○	○	○
	GTMT43150%	.059	1.50	.118	3.0	.138	3.5	.008	0.2	.187	4.76	○	○	○	○
	GTMT43175%	.069	1.75	.118	3.0	.138	3.5	.008	0.2	.187	4.76	○	○	○	○
	GTMT43185%	.073	1.85	.118	3.0	.138	3.5	.008	0.2	.187	4.76	○	○	○	○
	GTMT43200%	.079	2.00	.118	3.0	.138	3.5	.008	0.2	.187	4.76	○	○	○	○
	GTMT43230%	.091	2.30	.118	3.0	.138	3.5	.008	0.2	.187	4.76	○	○	○	○
	GTMT43250%	.098	2.50	.169	4.3	.217	5.5	.012	0.3	.187	4.76	○	○	○	○
	GTMT43265%	.104	2.65	.169	4.3	.217	5.5	.012	0.3	.187	4.76	○	○	○	○
	GTMT43280%	.110	2.80	.169	4.3	.217	5.5	.012	0.3	.187	4.76	○	○	○	○
	GTMT43300%	.118	3.00	.169	4.3	.217	5.5	.012	0.3	.187	4.76	○	○	○	○
	GTMT43330%	.130	3.30	.169	4.3	.217	5.5	.012	0.3	.187	4.76	○	○	○	○
	GTMT43350%	.138	3.50	.169	4.3	.217	5.5	.012	0.3	.187	4.76	○	○	○	○
	GTMT43400%	.157	4.00	.169	4.3	.217	5.5	.016	0.4	.187	4.76	○	○	○	○
	GTMT43450%	.177	4.50	.169	4.3	.217	5.5	.016	0.4	.187	4.76	○	○	○	○
	GTMT43500%	.197	5.00	.169	4.3	.217	5.5	.016	0.4	.227	5.76	○	○	○	○
GTMT43550%	.217	5.50	.169	4.3	.217	5.5	.016	0.4	.227	5.76	○	○	○	○	

### GTMA43 (Full Radius style)

Shape	Item Number	Groove Width $w$		Max Depth of Cut		$L$		$r_\epsilon$		Coated Carbide			
		(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	QM3			
										R	L	R	L
	GTMA43200%10R	.079	2.00	.118	3.0	.138	3.5	.039	1.0	○			
	GTMA43300%15R	.118	3.00	.177	4.5	.217	5.5	.059	1.5	○			
	GTMA43400%20R	.157	4.00	.177	4.5	.217	5.5	.787	2.0	○			
	GTMA43100%J05R	.039	1.00	.063	1.6	.079	2.0	.020	0.50				
	GTMA43150%J075R	.059	1.50	.118	3.0	.138	3.5	.030	0.75				
	GTMA43200%J10R	.079	2.00	.118	3.0	.138	3.5	.039	1.00				
	GTMA43250%J125R	.098	2.50	.157	4.0	.217	5.5	.049	1.25				
GTMA43300%J15R	.118	3.00	.157	4.0	.217	5.5	.059	1.50					

Cutting condition → T4

- : Stock
- : Stock (Newly added)
- : While stocks last
- R L : Stock (Right / Left-hand only)
- R L : Stock (Right / Left-hand only, Newly added)
- ⊙ : Mirror finish
- : 1-2 week delivery
- : 1-2 week delivery (Newly added)
- ⦿ : Coolant through
- Ⓡ : 1-2 week delivery (Right / Left-hand only)
- Ⓡ : 1-2 week delivery (Right / Left-hand only, Newly added)