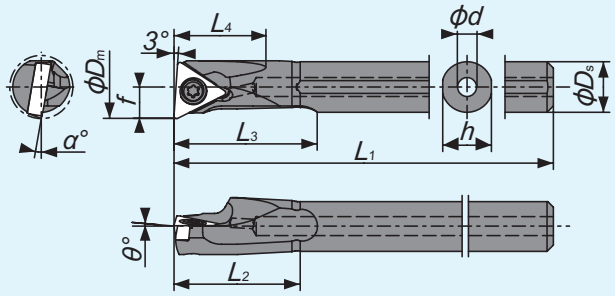
Mogul Bar for 60° Triangle (TP..73.. style)

Minimum Bore Diameter .394"(10.0㎜)

S-STUP (Coolant through)

Steel shank



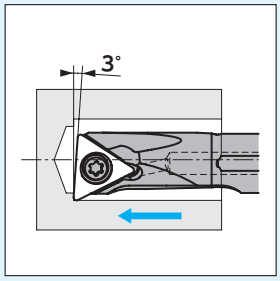
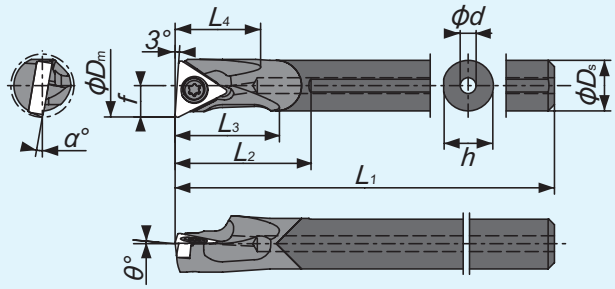


Figure-1

Right-Hand style shown

C-STUP (Coolant through)

Carbide shank



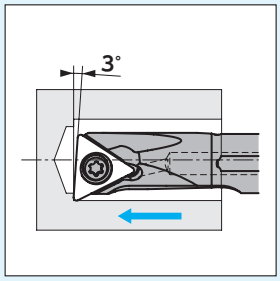
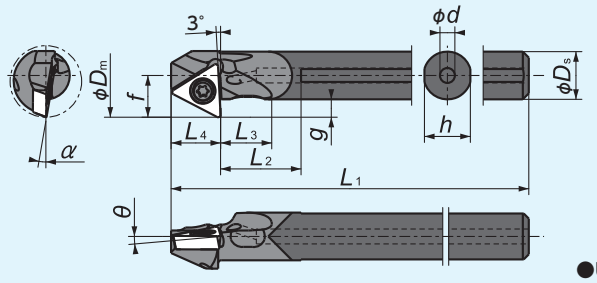


Figure-2

Right-Hand style shown

C-STZP (Coolant through)

Minimum Bore Diameter .472"(12.0㎜) Carbide shank



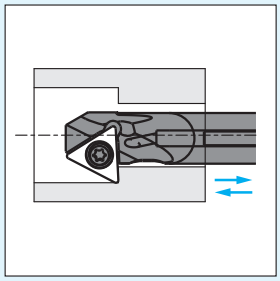


Figure-3

●Use right-hand inserts for machining backward
Use left-hand inserts for machining forward

TP..73.. style - Toolholders

Gage	Insert	Item number*	Figure	Stock R	Stock L	ϕ D_s (inch)	ϕ D_s (㎜)	Min. bore Dia. ϕ D_m (inch)	Min. bore Dia. ϕ D_m (㎜)	Max. shoulder height g (inch)	Max. shoulder height g (㎜)	h (㎜)	L_1 (㎜)	f (㎜)	L_2 (㎜)	L_3 (㎜)	L_4 (㎜)	ϕ d (㎜)	θ	α	Std. corner radius r_ε (inch)	Std. corner radius r_ε (㎜)	Clamp screw	Wrench
TP..73..		S08H-STUPR/L09D10-OH	1	●		.315	8.0	.394	10.0	—	—	7.7	100	5.0	20	22.5	14.5	3.0	+5°	−10°	.016	0.4	LR-S-2.5 × 4.8	CLR-15S
		C08K-STUPR/L09D10-OH	2	●	○	.315	8.0	.394	10.0	—	—	7.7	125	5.0	21.5	16.5	14.5	2.5	+5°	−10°	.016	0.4	LR-S-2.5 × 4.8	CLR-15S
		C08K-STZPR/L09D12-OH	3	○		.315	8.0	.472	12.0	.118	3	7.7	125	7.0	13.5	8.5	8.3	2.5	+5°	−10°	.016	0.4	LR-S-2.5 × 4.8	CLR-15S
		C10M-STZPR/L09D14-OH	3	○		.394	10.0	.551	14.0	.118	3	9.6	150	8.0	18.5	12	8.3	2.5	+5°	−7°	.118	0.4	LR-S-2.5 × 4.8	CLR-15S

* "S" denotes steel shank, "C" denotes carbide shank

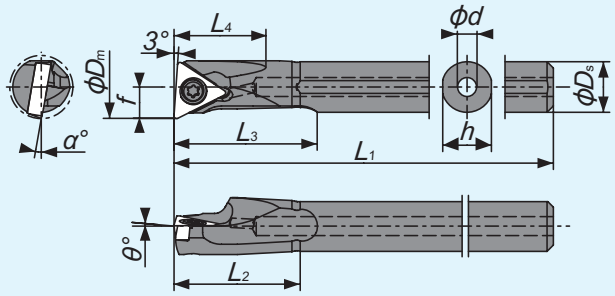
Cutting condition ➡V4

Mogul Bar for 60° Triangle (TP..22.. style)

Minimum Bore Diameter .472"(12.0㎜)

S-STUP (Coolant through)

Steel shank



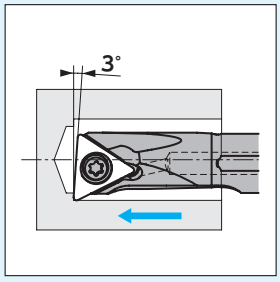
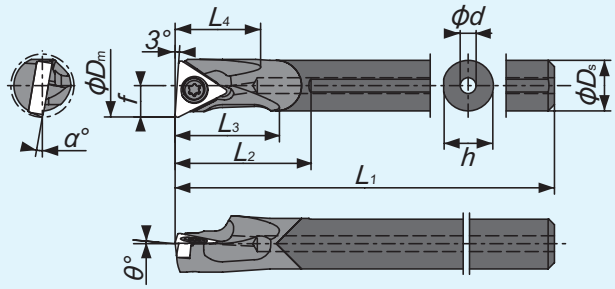


Figure-1

Right-Hand style shown

C-STUP (Coolant through)

Carbide shank



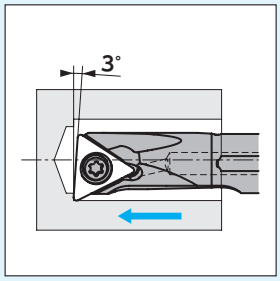
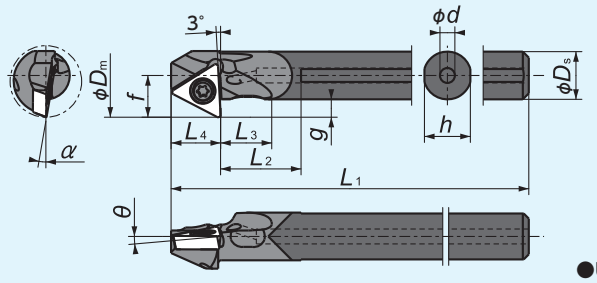


Figure-2

Right-Hand style shown

C-STZP (Coolant through)

Minimum Bore Diameter .689"(17.5㎜) Carbide shank



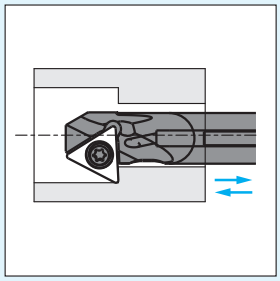


Figure-3

●Use right-hand inserts for machining backward
Use left-hand inserts for machining forward

TP..22.. style - Toolholders

Gage Insert	Item number*	Figure	Stock R	Stock L	ϕ D_s (inch)	ϕ D_s (㎜)	Min. bore Dia. ϕ D_m (inch)	Min. bore Dia. ϕ D_m (㎜)	Max. shoulder height g (inch)	Max. shoulder height g (㎜)	h (㎜)	L_1 (㎜)	f (㎜)	L_2 (㎜)	L_3 (㎜)	L_4 (㎜)	ϕ d (㎜)	θ	α	Std. corner radius r_ε (inch)	Std. corner radius r_ε (㎜)	Clamp screw	Wrench
TP..22..	S10K-STUPR/L11D12-OH	1	●		.394	10.0	.472	12.0	—	—	9.6	125	6.0	24	27.5	18.5	3.5	+5°	-7.5°	.016	0.4	LR-S-3 × 5.8	RLR-20S
	S12M-STUPR/L11D14-OH	1	●		.472	12.0	.551	14.0	—	—	11.5	150	7.0	28	32.5	22.0	4.0	+5°	-5°	.016	0.4	LR-S-3 × 5.8	RLR-20S
	S16Q-STUPR/L11D18-OH	1	●		.630	16.0	.709	18.0	—	—	15.4	180	9.0	32	42.5	28.5	5.0	+5°	-3°	.016	0.4	LR-S-3 × 5.8	RLR-20S
	S20Q-STUPR/L11D22-OH	1	●		.787	20.0	.866	22.0	—	—	19.4	180	11	40	46.0	38.0	5.0	+5°	-3°	.016	0.4	LR-S-3 × 5.8	RLR-20S
	C10M-STUPR/L11D12-OH	2	●	○	.394	10.0	.472	12.0	—	—	9.6	150	6.0	25.0	20.0	17.5	2.5	+5°	-7.5°	.016	0.4	LR-S-3 × 5.8	RLR-20S
	C12M-STUPR/L11D14-OH	2	●		.472	12.0	.551	14.0	—	—	11.5	150	7.0	29.0	23.0	21.5	3.0	+5°	-5°	.016	0.4	LR-S-3 × 5.8	RLR-20S
	C16Q-STUPR/L11D18-OH	2	●		.630	16.0	.709	18.0	—	—	15.4	180	9.0	37.0	29.0	28.0	4.0	+5°	-3°	.016	0.4	LR-S-3 × 5.8	RLR-20S
	C12M-STZPR11D175-OH	3	○		.472	12	.689	17.5	.177	4.5	11.5	150	10.5	22	14.5	9.6	3.0	+5°	-5°	.117	0.4	LR-S-3 × 5.8	RLR-20S

* "S" denotes steel shank, "C" denotes carbide shank

Cutting condition ➡V4

Mogul Bar for 80° Diamond ("CC" style)

Minimum Bore Diameter .394"(10㎜)

S-SCLC (Coolant through)

Steel shank

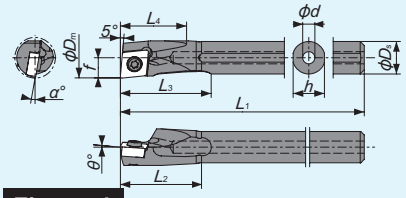
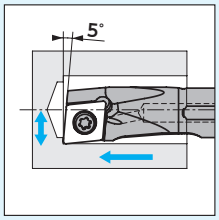


Figure-1



Right-Hand style shown

C-SCLC (Coolant through)

Carbide shank

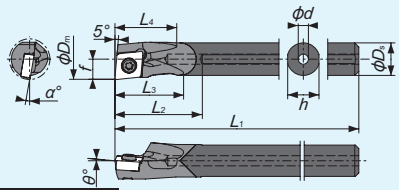
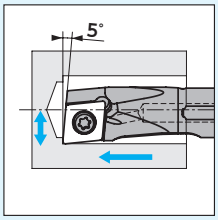


Figure-2



Right-Hand style shown

"CC" style - Toolholders

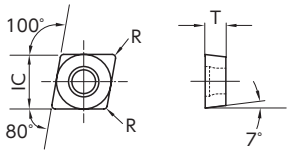
Gage Insert	Item number*	Figure	Stock R	Stock L	φDs (inch)	φDs (mm)	Min. bore Dia. φDm (inch)	Min. bore Dia. φDm (mm)	h (mm)	L1 (mm)	f (mm)	L2 (mm)	L3 (mm)	L4 (mm)	φd (mm)	θ	α	Std. corner radius rε (inch)	Std. corner radius rε (mm)	Clamp screw	Wrench
CC..21.5..	S08H-SCLCR/L06D10-OH	1	●		.315	8.0	.394	10.0	7.7	100	5.0	20.0	22.0	16.0	3.0	0°	−13°	.016	0.4	LRIS-2.5 × 5	CLR-15S
	S10K-SCLCR/L06D12-OH	1	●		.394	10.0	.472	12.0	9.6	125	6.0	24.0	27.5	20.0	3.5	0°	−11°	.016	0.4	LRIS-2.5 × 5	CLR-15S
	S12M-SCLCR/L06D14-OH	1	●		.472	12.0	.551	14.0	11.5	150	7.0	28.0	32.5	23.0	4.0	0°	−9°	.016	0.4	LRIS-2.5 × 5	CLR-15S
CC..32.5..	S16Q-SCLCR/L09D18-OH	1	●		.630	16.0	.709	18.0	15.4	180	9.0	36.0	42.5	30.0	5.0	0°	−10°	.016	0.4	LRIS-4 × 8	LLR-25S-20 × 65
CC..21.5..	C08K-SCLCR/L06D10-OH	2	●		.315	8.0	.394	10.0	7.7	125	5.0	21.5	16.5	15.0	2.5	0°	−13°	.016	0.4	LRIS-2.5 × 5	CLR-15S
	C10M-SCLCR/L06D12-OH	2	●	○	.394	10.0	.472	12.0	9.6	150	6.0	25.0	20.0	19.5	2.5	0°	−11°	.016	0.4	LRIS-2.5 × 5	CLR-15S
	C12M-SCLCR/L06D14-OH	2	●		.472	12.0	.551	14.0	11.5	150	7.0	29.0	23.5	22.5	3.0	0°	−9°	.016	0.4	LRIS-2.5 × 5	CLR-15S

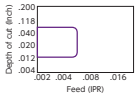
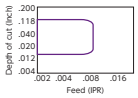
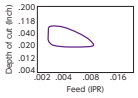
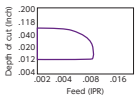
* "S" denotes steel shank, "C" denotes carbide shank

CC.. inserts - Carbide

(inch)	IC	T
CC..21.5	1/4	3/32
CC..32.5	3/8	5/32

● : 1st Choice ● : 2nd choice



	P	M	K	N	S	H
Steel	●	●	●	●	●	●
Stainless Steel	●	●	●	●	●	●
Cast Iron						
Non-Ferrous Material				●	●	●
Heat Resistant Alloy	●	●	●	●	●	
Hardened Material	●	●	●	●		

Shape	Item Number	ISO Item Number	IC	R	ST4	DM4	DT4	QM3	TM4	VM1	ZM3	KM1	CP1	UC1
					Carbide									
					PVD Coated								CVD	Diamond Coating
	CCGT 32.501 YL	CCGT 09T300 YL	3/8	.001			●		●					
	CCGT 32.504M YL	CCGT 09T301M YL	3/8	.003	●	●	○	●	○					
	CCGT 32.508M YL	CCGT 09T302M YL	3/8	.007	●	●	○	●	○					
	CCGT 32.51M YL	CCGT 09T304M YL	3/8	.015	●	●	○	●	○					
	CCGT 32.52M YL	CCGT 09T308M YL	3/8	.031	●	●	○	●	○					
	CCGT 21.504M CL	CCGT 060201M CL	1/4	.003	○	○	●	●	●					
	CCGT 21.508M CL	CCGT 060202M CL	1/4	.007	○	○	●	●	●					
	CCGT 32.501 CL	CCGT 09T300 CL	3/8	.001			○		○					
	CCGT 32.504M CL	CCGT 09T301M CL	3/8	.003	○	○	●	●	●					
	CCGT 32.508M CL	CCGT 09T302M CL	3/8	.007	○	○	●	●	●					
	CCGT 32.51M CL	CCGT 09T304M CL	3/8	.015	○	○	●	●	●					
	CCGT 21.501 FNAM3	CCGT 060200 FNAM3	1/4	.001			●	●	○	○				
	CCGT 21.504M FNAM3	CCGT 060201M FNAM3	1/4	.003	○		●	●	○					
	CCGT 21.508M FNAM3	CCGT 060202M FNAM3	1/4	.007	○		●	●	○					
	CCGT 21.508 FNAM3	CCGT 060202 FNAM3	1/4	.008						○	○			
	CCGT 21.51M FNAM3	CCGT 060204M FNAM3	1/4	.015	○		●	●	○					
	CCGT 32.501 FNAM3	CCGT 09T300 FNAM3	3/8	.001			●	●	○	○				
	CCGT 32.504M FNAM3	CCGT 09T301M FNAM3	3/8	.003	○		●	●	○	○	○			
	CCGT 32.508M FNAM3	CCGT 09T302M FNAM3	3/8	.007	○		●	●	○	○	○			
	CCGT 32.508 FNAM3	CCGT 09T302 FNAM3	3/8	.008				●		○				
	CCGT 32.51M FNAM3	CCGT 09T304M FNAM3	3/8	.015	○		●	●	○	○	○			
	CCGT 32.51 FNAM3	CCGT 09T304 FNAM3	3/8	.016				●		○				
	CCGT 32.52 FNAM3	CCGT 09T308 FNAM3	3/8	.031				●						
	CCMT 21.508 FNAM3	CCMT 060202 FNAM3	1/4	.008		○								
	CCMT 21.51 FNAM3	CCMT 060204 FNAM3	1/4	.016		○								
	CCMT 32.508 FNAM3	CCMT 09T302 FNAM3	3/8	.008		○								
	CCMT 32.51 FNAM3	CCMT 09T304 FNAM3	3/8	.016		○								
	CCMT 32.52 FNAM3	CCMT 09T308 FNAM3	3/8	.031		○								
	CCGT 21.501 AZ7	CCGT 060200 AZ7	1/4	.001				○						
	CCGT 21.504M AZ7	CCGT 060201M AZ7	1/4	.003				○						
	CCGT 21.508M AZ7	CCGT 060202M AZ7	1/4	.007				○						
	CCGT 32.501 AZ7	CCGT 09T300 AZ7	3/8	.001		○	○	●	○		○			
	CCGT 32.504M AZ7	CCGT 09T301M AZ7	3/8	.003		○	○	●	○		○			
	CCGT 32.508M AZ7	CCGT 09T302M AZ7	3/8	.007		○	○	●	○		○			
	CCGT 32.51M AZ7	CCGT 09T304M AZ7	3/8	.015		○	○	●	○		○