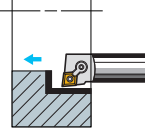
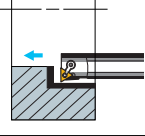
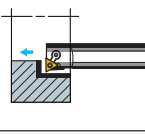
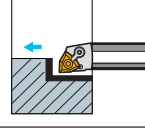
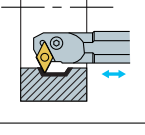
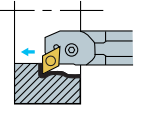
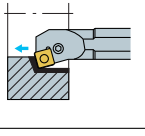
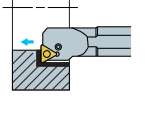
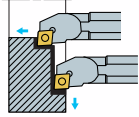


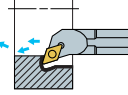


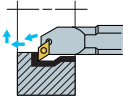


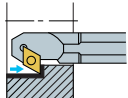


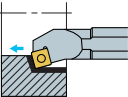


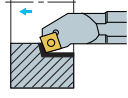


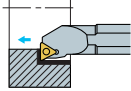
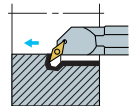
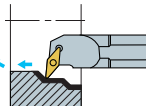
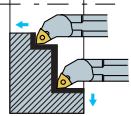
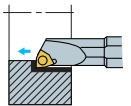


Cutting Shape		Cat. No.	Facing	Copying	Through hole machining	Blind hole machining	Copying and Relief	Back Copying	Available Inserts																							
Clamp System MCLNR/L  P. 423	S10R-MCLNR/L3 S12U-MCLNR/L3 S16T-MCLNR/L3 S16T-MCLNR/L4 S20U-MCLNR/L4 S24V-MCLNR/L4	•	•	•	•	•	•	CN□□ 33 □ CN□□ 43 □ CN□□ 64 □ CN□□ 43 □ P. 338-343																								
									MTFNR/L  P. 423	S20V-MTFNR-4 S32V-MTFNR-4	•	•	•	•	•	TN□□ 33 □□ 43 □□ 54 □□ P. 364-369																
																	MTUNR/L  P. 424	S32V-MTUNR-4	•	•	•	•	•	TN□□ 33 □□ 43 □□ 54 □□ P. 364-369								
																									MWLNRL/L  P. 424	S10R-MWLNRL/L3 S12U-MWLNRL/L3 S16T-MWLNRL/L3 S16T-MWLNRL/L4 S20U-MWLNRL/L4 S24V-MWLNRL/L4	•	•	•	•	•	WN□□ 43 □□ P. 373-378
PDSNR/L  P. 425	S20U-PDSNR/L4 S24V-PDSNR/L4 S20U-PDSNR/L4-3 S24V-PDSNR/L4-3 A20S-PDSNR/L4 A20S-PDSNR/L4-3	•	•	•	•	•	DN□□ 44 □ 43 □ P. 345-350																									
								PDUNR/L  P. 425	S12S-PDUNR/L 3 S16T-PDUNR/L 3 S20U-PDUNR/L 3 S20U-PDUNR/L 4 S24V-PDUNR/L 4 S32W-PDUNR/L 4 S20U-PDUNR/L 4-3 S24V-PDUNR/L 4-3 A20S-PDUNR/L 4 A20S-PDUNR/L 4-3	•	•	•	•	•	DN□□ 33 □ 44 □ 43 □ P. 345-350																	
PSKNR/L  P. 426	S16T-PSKNR/L 4 S20U-PSKNR/L 4 S24V-PSKNR/L 4 A16R-PSKNR/L 4 A20S-PSKNR/L 4	•	•	•	•	•	SN□□ 43 □ P. 355-359																									
																PTFNR/L  P. 426	S16T-PTFNR/L 2 S20S-PTFNR/L 2 S16T-PTFNR/L 2 S16T-PTFNR/L 3 S20U-PTFNR/L 3 S24V-PTFNR/L 3 A16R-PTFNR/L 3 A20S-PTFNR/L 3	•	•	•	•	•	TN□□ 32 □ 33 □ P. 364-369									

BORING BAR INDEX

Cutting Shape	Cat. No.	Facing	Copying	Through hole machining	Blind hole machining	Copying and Relief	Back Copying	Available Inserts
Screw On System								
SCLCR/L 	S05K-SCLCR/L 2 S06M-SCLCR/L 2 S08M-SCLCR/L 2 S08M-SCLCR/L 3 S10R-SCLCR/L 3 S12S-SCLCR/L 3 S16T-SCLCR/L 3 S16T-SCLCR/L 4 S20U-SCLCR/L 4 S24V-SCLCR/L 4 A05F-SCLCR/L 2 A06H-SCLCR/L 2 A08K-SCLCR/L 2 A08K-SCLCR/L 3 A10M-SCLCR/L 3 A12Q-SCLCR/L 3 A16R-SCLCR/L 3 A16R-SCLCR/L 4 A20S-SCLCR/L 4 C06-SCLCR/L 2 C08-SCLCR/L 2 C10-SCLCR/L 3 C12-SCLCR/L-3							CC□□ T21.5□ T32.5□ T43□
	 P. 427	 P. 336,337						
SDQCR/L 	S16M-SDQCR/L 2 S08M-SDQCR/L 2 S10R-SDQCR/L 2 S12S-SDQCR/L 2 S10R-SDQCR/L 2 S16T-SDQCR/L 2 A06H-SDQCR/L 2 A08K-SDQCR/L 2 A10M-SDQCR/L 2 A12Q-SDQCR/L 2 A16R-SDQCR/L 2							DC□T 21.5□ 32.5□
	 P. 428	 P. 344,345						
SDUCR/L 	S06M-SDUCR/L 2 S08M-SDUCR/L 2 S10R-SDUCR/L 3 S12S-SDUCR/L 3 S16T-SDUCR/L 3 S20U-SDUCR/L 3 A06H-SDUCR/L 2 A08K-SDUCR/L 2 A10M-SDUCR/L 2 A12Q-SDUCR/L 3 A16R-SDUCR/L 3 C06 SDUCR/L 2							DC□T 21.5□ 32.5□
	 P. 428	 P. 344,345						
SDZCR/L 	S10R-SDZCR/L 2 S12R-SDZCR/L 2 S16T-SDZCR/L 3 S20U-SDZCR/L 3 S24V-SDZCR/L 3 A16R-SDZCR/L 3 A20S-SDZCR/L 3							DC□T 43□
	 P. 429	 P. 344,345						
SSKCR/L 	S08M-SSKCR 3 S10R-SSKCR 3 S12S-SSKCR 3 S16T-SSKCR 4 S20U-SSKCR 4 A08K-SSKCR 3 A10M-SSKCR 3 A12Q-SSKCR 3 A16R-SSKCR 4 A20S-SSKCR 4							SC□T 32.5□ 43□
	 P. 429	 P. 353,354						
SSKPR/L 	S08M-SSKPR/L 3 S10N-SSKPR/L 3 S10R-SSKPR/L 3 S12N-SSKPR/L 3 S12S-SSKPR/L 3 X08M-SSKPR/L 3 X10N-SSKPR/L 3 X10R-SSKPR/L 3 X12N-SSKPR/L 3 X12S-SSKPR/L 3 A08K-SSKPR/L 3 A10M-SSKPR/L 3 A12Q-SSKPR/L 3							SP□T 32□RL 32□C05
	 P. 430	 P. 361,362						

Cutting Shape	Cat. No.	Facing	Copying	Through hole machining	Blind hole machining	Copying and Relief	Back Copying	Available Inserts
Screw On System STFCR/L  P. 430	S06M-STFCR/L 1.8 S08M-STFCR/L 1.8 S08M-STFCR/L 2 S10R-STFCR/L 2 S12S-STFCR/L 2 S12S-STFCR/L 3 S16T-STFCR/L 3 S20U-STFCR/L 3 S24V-STFCR/L 3 A06H-STFCR/L 1.8 A08K-STFCR/L 1.8 A08K-STFCR/L 2 A10M-STFCR/L 2 A12Q-STFCR/L 2 A16R-STFCR/L 3 A20S-STFCR/L 3 C06-STFCR/L 2 C08-STFCR/L 2 C10-STFCR/L-3	●		●	●			TC□T 1.81.5 □ 21.5 □ 32.5 □ P. 362,363
SVQBR/L  P. 431	S20U-SVQBR/L 3 S24V-SVQBR /L 3 A20S-SVQBR /L 3					●		VB□T 33 □ P. 370
SVUBR/L  P. 431	S20U-SVUBR/L 3 S24V-SVUBR/L 3 A20S-SVUBR/L 3		●	●		●		VB□T 33 □ P. 370
SWLCR/L  P. 432	S16T-SWLCR/L 4 S20U-SWLCR/L 4 A16R-SWLCR/L 4 A20S-SWLCR/L 4	●		●	●			WCGT□T 43 □ P. 373
SWUBR/L Micro boring bars  P. 432	S03H-SWUBR/L 1.2 S05K-SWUBR/L 1.2 S05K-SWUBR/L 1.5 A05F-SWUBR/L 1.2 A05F-SWUBR/L 1.5 E03H-SWUBR/L 1.2 E05K-SWUBR/L 1.2	●		●	●			WBGT□T 1.210.5R/L 1.51.50.5R/L P. 372