코오로이 테크뉴스
KORLOY TECH-NEWS

COMPACT MINI BARS

- **Wide Variety of Minimum Cutting-diameters**
  (Ø5mm, Ø6mm, Ø7mm, Ø8mm, Ø10mm)
- **Excellent Cutting Performance**
- **Ultra-Fine Grade**

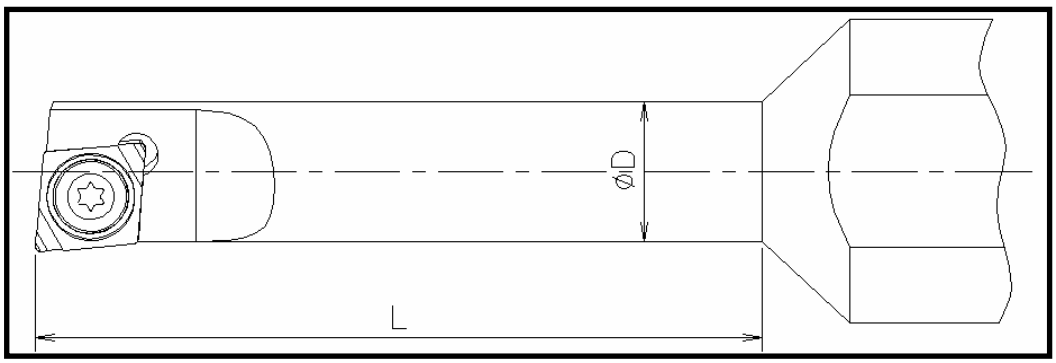
코오로이
한국야금(주)

Technical Data

1. Application Overhang

Steel Boring Bar

L / ØD ≤ 3



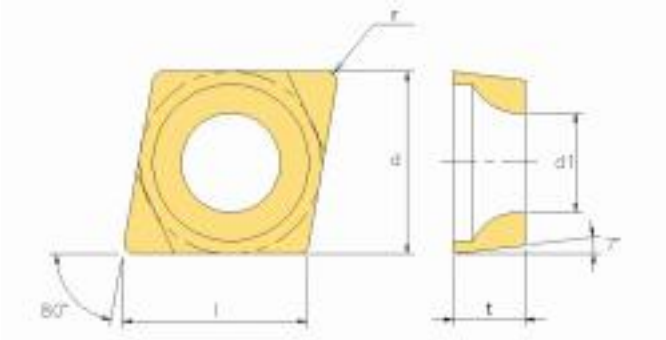
Carbide Boring Bar

L / ØD 7 5

2. Cutting Condition

Material	Vc(m/min)	F(mm/rev)	d(mm)	Remark
Steel	**80** (40~120)	**0.03** (0.01~0.05)	**0.2** (0.1~0.3)	
STS	**80** (40~120)	**0.03** (0.01~0.05)	**0.2** (0.1~0.3)	
Cast Iron	**80** (40~120)	**0.03** (0.01~0.06)	**0.2** (0.1~0.4)	
NF Metals	**120** (80~160)	**0.03** (0.01~0.07)	**0.2** (0.1~0.5)	

CCET



USE

Finishing

RECOMMENDATION

d = 0.1 ~ 0.3mm

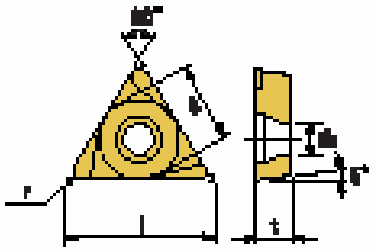
f = 0.01 ~ 0.05 m/rev

Application Boring Bar	Designation	SPEC(mm)				
		d	t	l	d1	r
SCLCR	CCET0301005L	3.5	1.39	3.6	1.9	0.05
	CCET030101L					0.1
	CCET030102L					0.2
	CCET030104L					0.4
	CCET0401005L	4.3	1.79	4.4	2.3	0.05
	CCET040101L					0.1
	CCET040102L					0.2
	CCET040104L					0.4

Application Grade

Designation	Coated Carbide			Cermet		Uncoated Carbide	
	NC3020	PC8010	PC9030	CT10	CN20	H01	A30
CCET0301005L							
CCET030101L							
CCET030102L			●	●		●	
CCET030104L							
CCET0401005L							
CCET040101L							
CCET040102L			●	●		●	
CCET040104L							

TBGT



USE

RECOMMENDATION

d = mm

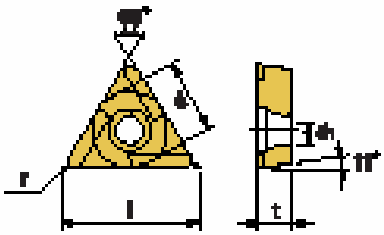
f = m/rev

Application Boring Bar	Designation	SPEC(mm)				
		d	t	l	d1	r
STUBR	TBGT060102L	3.97	1.59	6.8	2.16	0.2

Application Grade

Designation	Coated Carbide			Cermet			Coated Carbide		
	NC3020	PC8010	PC9030	CN100	CT10	CN20	H01	G10E	ST10P
TBGT060102L			●		●		●		

TPGT



USE

RECOMMENDATION

d = 1.0 ~ 4.0mm

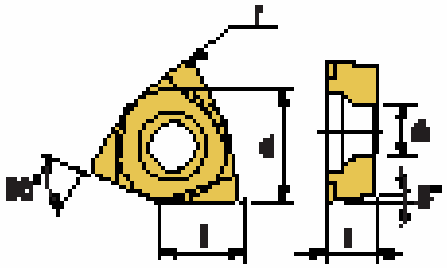
f = 0.1 ~ 0.4mm/rev

Application Boring Bar	Designation	SPEC(mm)				
		d	t	l	d1	r
STUPR	TPGT080202L	3.97	1.59	6.8	2.16	0.2

Application Grade

Designation	Coated Carbide			Cermet			Coated Carbide		
	NC3020	PC8010	PC9030	CN100	CT10	CN20	H01	G10E	ST10P
TPGT080102L			●		●		●		

WBGT



USE

RECOMMENDATION

d = mm

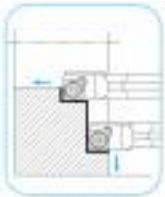
f = m/rev

Application Boring Bar	Designation	SPEC(mm)				
		d	t	l	d1	r
SWUBR	WBGT020102L	3.97	1.59	3.6	2.2	0.2
	S30202L	4.76	2.38	4.8	2.3	0.2
	S30204L					0.4

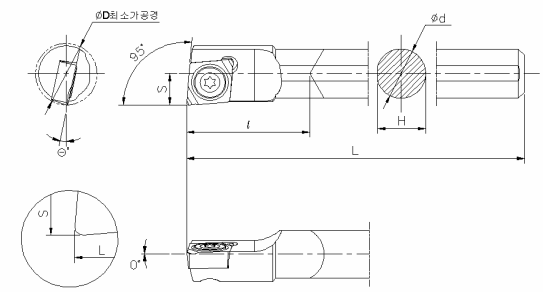
Application Grade

Designation	Coated Carbide			Cermet			Coated Carbide		
	NC3020	PC8010	PC9030	CN100	CT10	CN20	H01	G10E	ST10P
WBGT020102L			●		●		●		
S30202L			●		●		●		
S30204L			●		●		●		

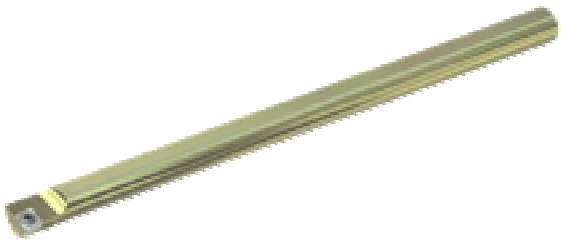
SCLCR/L

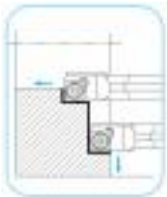


Direction

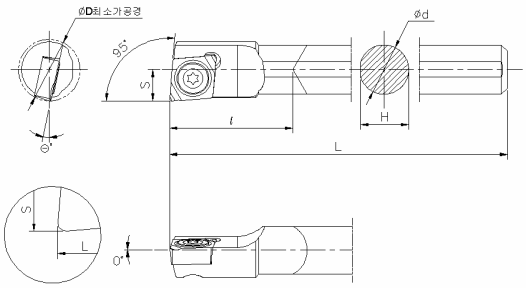


Classification	Shape				Use				
Designation	L-Type, Depth Angle 95°				Section, Hole				
Designation	Stock		ØD min	Ød	H	L*	S*	θ°	l
	R	L							
S10H-SCLCR/L0305	●		5	10	9	100	2.5	15	25
S10H-SCLCR/L0306	●		6	10	9	100	3.0	13	25
S10J-SCLCR/L0407	●		7	10	9	110	3.5	13	30
S10J-SCLCR/L0408	●		8	10	9	110	4.0	11	30





Direction



Classification	Shape				Use				
Designation	L-Type, Depth Angle 95°				Section, Hole				
Designation	Stock		ØD min	Ød	H	L*	S*	θ°	l
	R	L							
C04G-SCLCR/L0305	●		5	4	3.8	90	2.5	15	-
C05H-SCLCR/L0306	●		6	5	4.4	100	3.0	13	-
C06J-SCLCR/L0407	●		7	6	5.4	110	3.5	13	-
C07K-SCLCR/L0408	●		8	7	6.4	120	4.0	11	-

Part

Designation	Insert	Screw	Wrench
C/S___-SCLCR/L03__	CCET0301__R/L	FTNA01633	TW06P
C/S___-SCLCR/L04__	CCET0401__R/L	FTNA0238	

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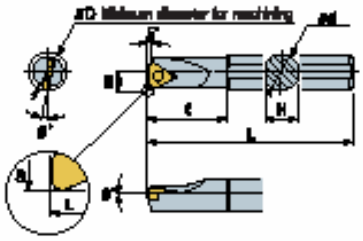
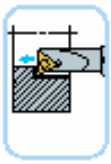
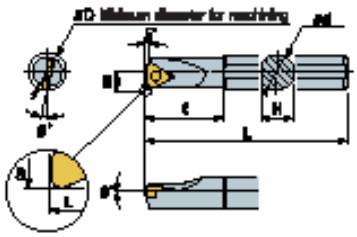
STUBR/L



Classification	Shape				Use				
Designation	U-Type, Depth Angle 95°				Section, Hole				
Designation	Stock		ØD min	Ød	H	L*	S*	θ°	l
	R	L							
S08K-STUBR/L06	•		8	8	7	125	4.0	12	30
C08K-STUBR/L06	•		8	8	7	125	4.0	12	-

STUPR/L





Classification	Shape				Use				
Designation	L-Type, Depth Angle 95°				Section, Hole				
Designation	Stock		ØD min	Ød	H	L*	S*	θ°	l
	R	L							
S08K-STUPR/L08	•		10	8	7	125	5.0	10	18
C08K-STUPR/L08	•		10	8	7	125	5.0	110	-

Part

Designation	Insert	Screw	Wrench
C/S__K-STUBR/L06	TBGT060102R/L	FTNA0204	TW06P
C/S__K-STUPR/L06	TPGT060102R/L	FTNA02205	

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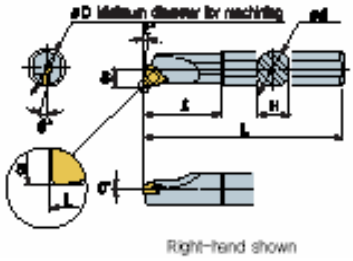
SWUBR/L

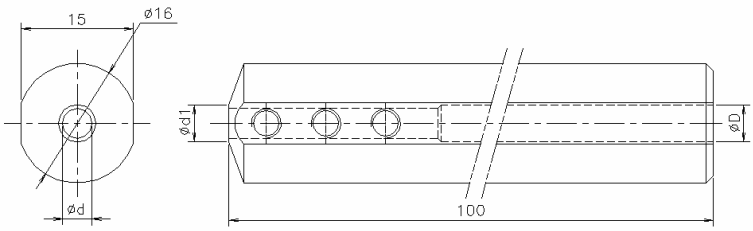


Classification	Shape				Use				
Designation	U-Type, Depth Angle 92°				Section, Hole				
Designation	Stock		ØD min	Ød	H	L*	S*	θ°	l
	R	L							
S05H-SWUBR/L02	•		5.5	5	4.5	100	2.75	12	-
S08K-SWUBR/L02	•		8	8	7.0	125	4.0	10	30
S08K-SWUBR/LS3	•		10	8	7.0	125	5.0	13	18
C05H-SWUBR/L02	•		5.5	5	4.5	100	2.75	12	-
C08K-SWUBR/L02	•		8	8	7.0	125	4.0	10	30
C08K-SWUBR/LS3	•		10	8	7.0	125	5.0	13	18

Part

Designation	Insert	Screw	Wrench
C/S__O-SWUBR/L02	WBGT0201__R/L	FTNA0203	TW06P
C/S__O-SWUBR/LS3	WBGTS301__R/L	FTNA02033	

SLEEVE



Designation	Stock	Ød	Ød1	ØD	Application Boring Bar	Screw	Wrench
BSL416	•	4	5	5	C04G-SCLCR/L0305	M4-4	HW20L
BSL516	•	5	6	6	C05H-SCLCR/L0306		
BSL616	•	6	7	7	C06J-SCLCR/L0407		
BSL716	•	7	8	8	C07K-SCLCR/L0408		

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