

KORLOY TECH-NEWS

KORLOY is ISO9001 Certified

ISO9001

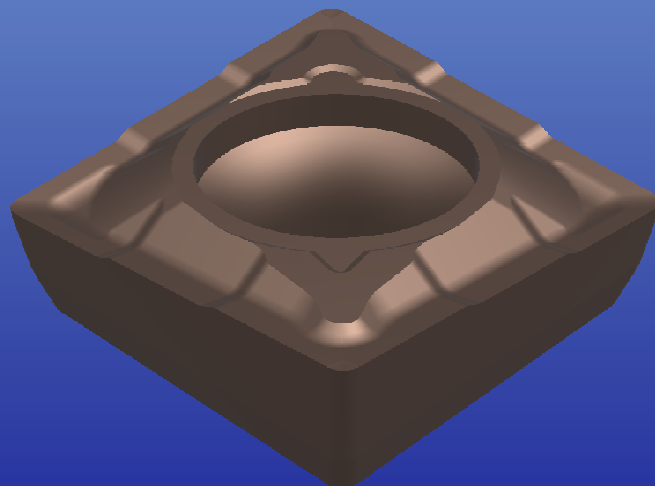
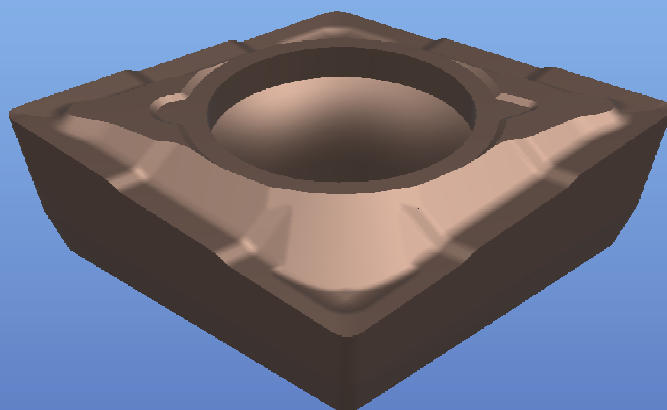
WE CREATE YOUR TOMORROW

NEW !!

Multi-Turn

Multi task with only one tool

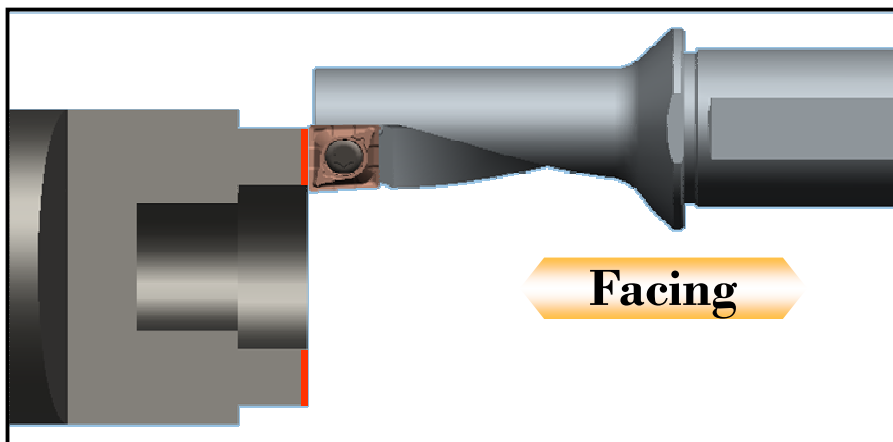
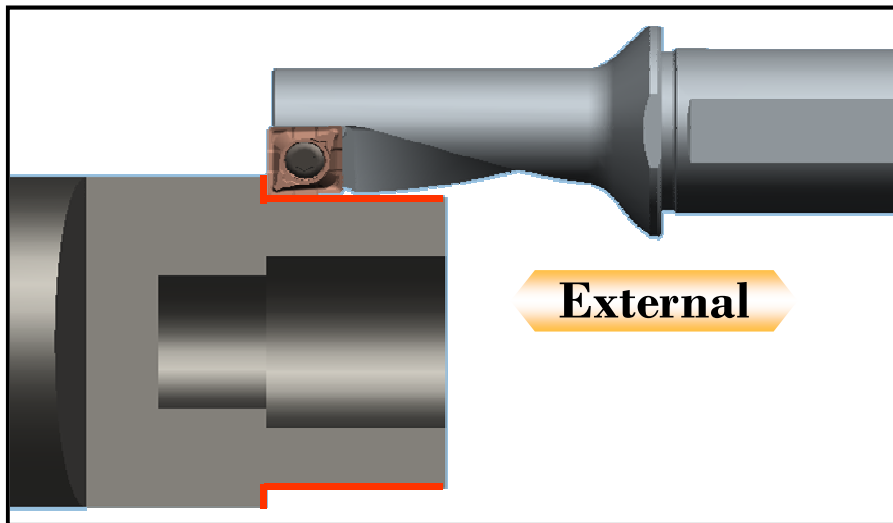
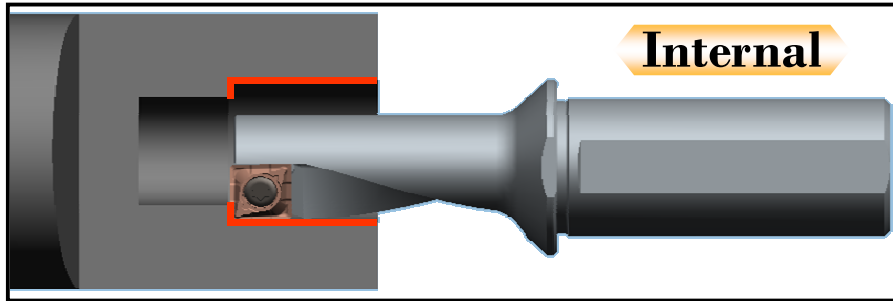
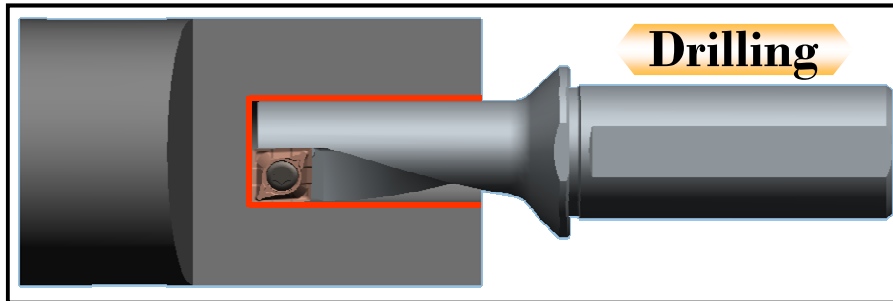
Multi-Functional Tool



KORLOY Inc.

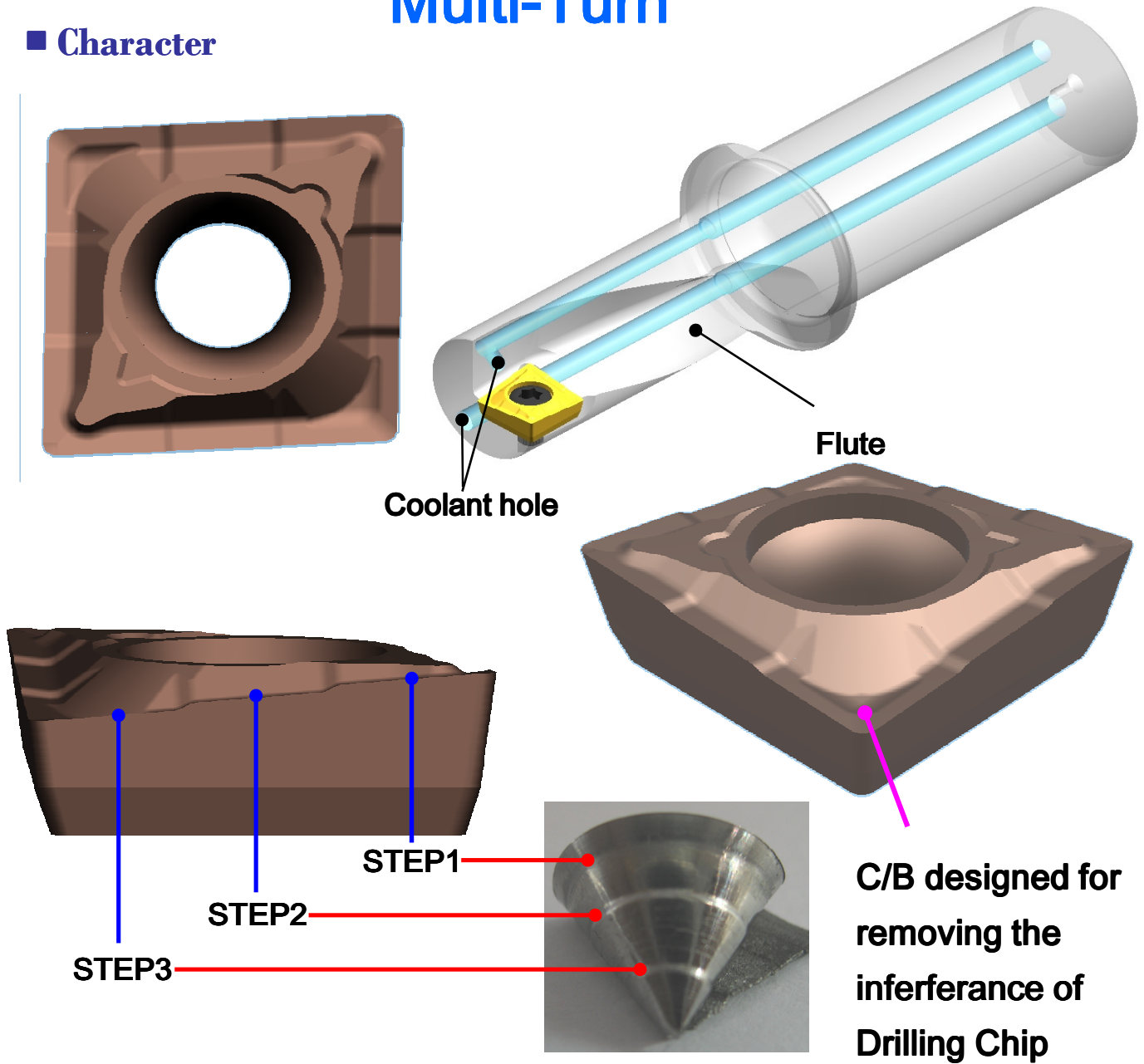
Multi-Turn

■ Case



Multi-Turn

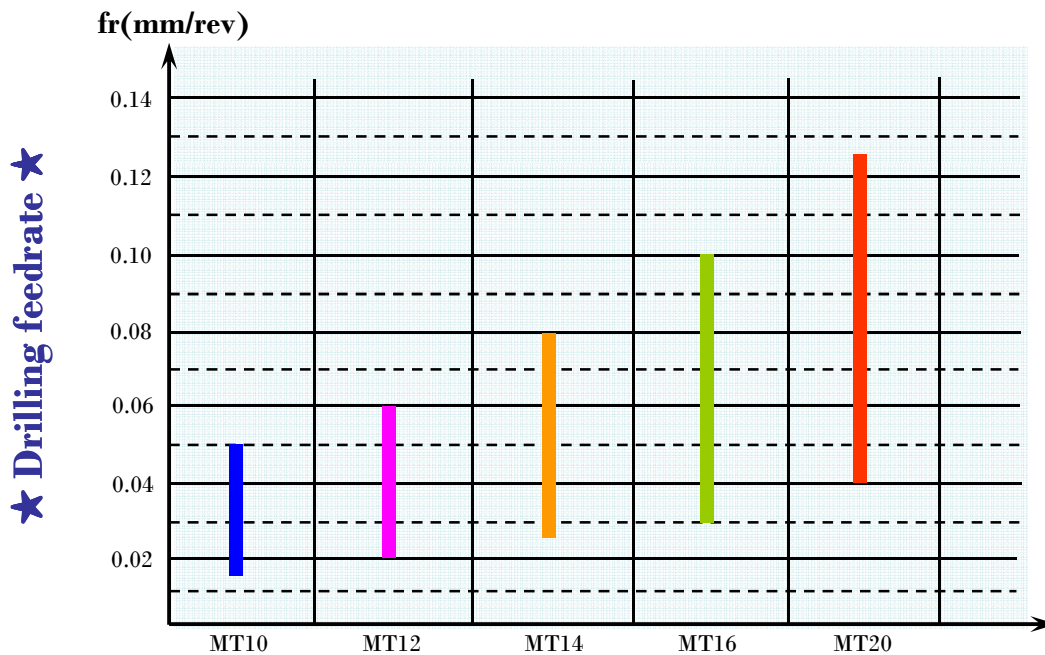
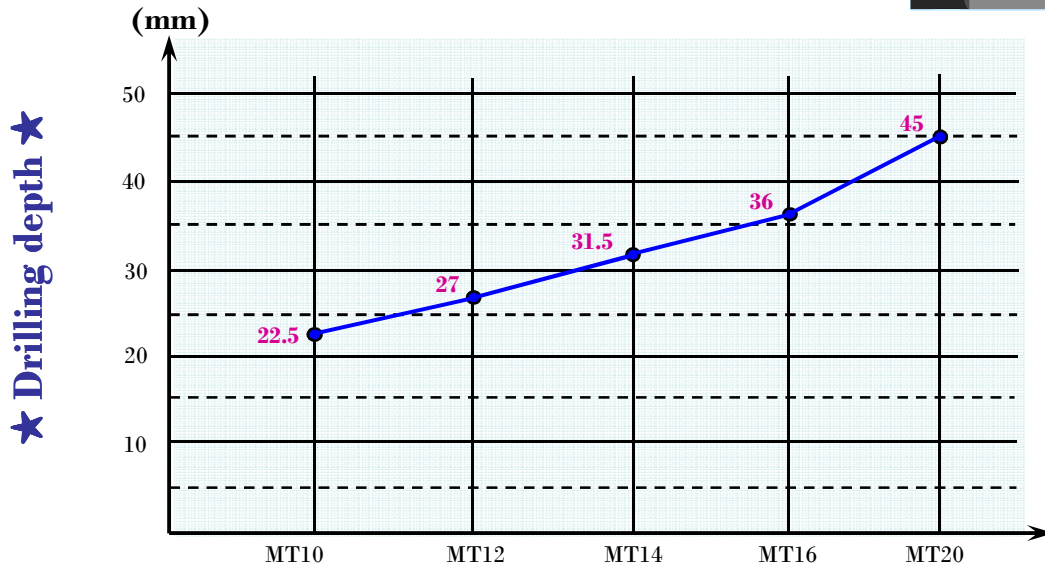
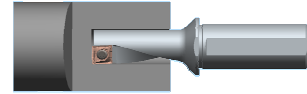
■ Character



1. Curvilinear Cutting edge supports increased finishing and reduced cutting resistance.
2. The unique geometry reduces touched space between the bottom of workpieces and the edge of insert at the first time.
3. Rounded shape of C/B shows chip breaking results with satisfaction.
4. Flute design with helix angle assist effective evacuation of chip.
5. Inner coolant system make durability of tool be increased and effective chip ejection

Multi-Turn

■ Drilling

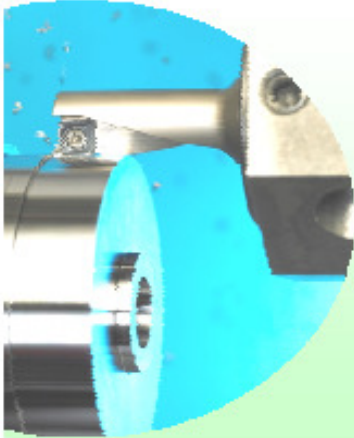


★ Drilling offset ★

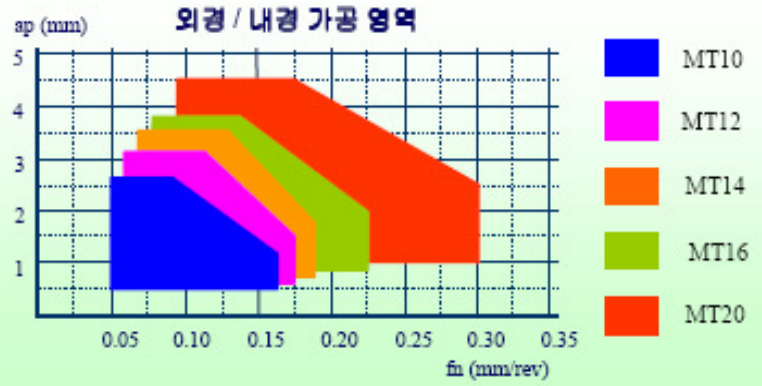
Designation	ΦD(mm)	ΦD(mm)	
		ΦDmin	ΦDmax
MT10R/L-2.25D	10	9.85	10.35
MT12R/L-2.25D	12	11.85	12.35
MT14R/L-2.25D	14	13.85	14.35
MT16R/L-2.25D	16	15.85	16.35
MT20R/L-2.25D	20	19.85	20.35

Multi-Turn

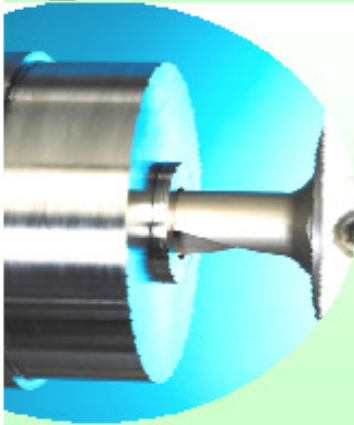
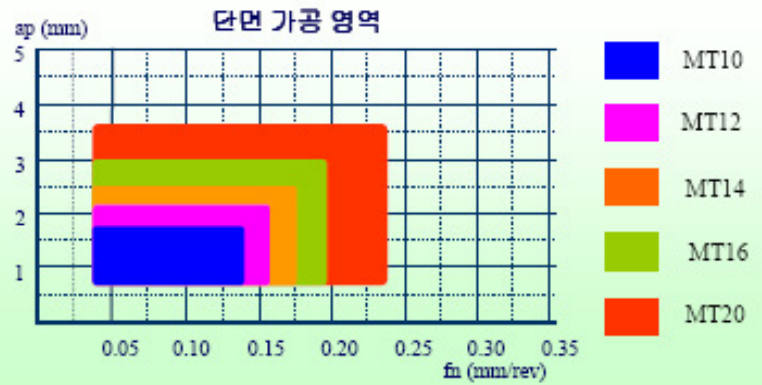
Application



External Turning



Face Turning



Drilling



Multi-Turn

■ Recommended working condition

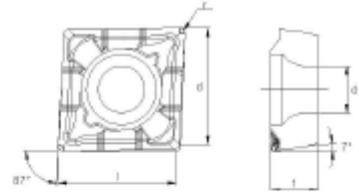
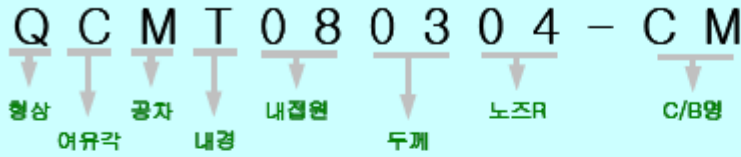
★ recommended working condition – each work pieces (vc) (mm/min)

Work pieces		hardness(HB)	NC3120	PC9030	NC6110	H01
P	Low carbon steel (≤0.25%C)	80~180	150~300	-	-	-
	High carbon Steel (> 0.25%C)	180~280	100~180	-	-	-
	Low alloy steel	140~260	100~180	-	-	-
	High alloy steel	200~350	80~150	-	-	-
M	austenite	135~275	-	50~150	-	-
	ferrite martensite	135~275	-	60~160	-	-
K	Gray cast iron	150~220	-	-	100~200	-
	Ductile cast iron	130~240	-	-	100~180	-
N	Aluminum	30~150	-	-	-	100~500
	Copper	150~160	-	-	-	100~500

Multi-Turn

INSERT

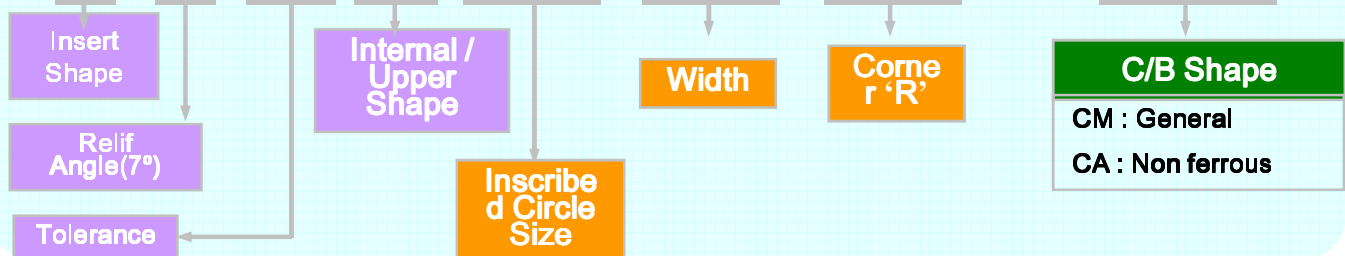
◆ INSERT 형변 표기 방법



형 변	d	l	t	r	적용재종	
					P	K
					NC3120	NC6110
QCMT 050204-CM	5.0	5.0	2.10	0.4	○	○
QCMT 060204-CM	6.0	6.0	2.38	0.4	○	○
QCMT 070304-CM	7.0	7.0	3.18	0.4	○	○
QCMT 080304-CM	8.0	8.0	3.18	0.4	○	○
QCMT 10T304-CM	10.0	10.0	3.97	0.4	○	○

○ : 재고관리 형변

Q C M T 0 8 0 3 0 4 - C M



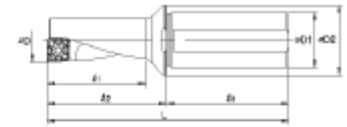
Multi-Turn




HOLDER

◆ HOLDER 형변 표기 방법

M T 2 0 R - 2 . 2 5 D

제품명 홀더 직경 손수 최대 드릴 길이 (mm)



형 번	재고		치 수 (mm)							적용 인서트	스크류	렌치
	R	L	ΦD	ΦD1	ΦD2	ℓ1	ℓ2	ℓ3	L			
MT 10R/L-2.25D	○		10	12	16	22.5	27.5	42.0	69.5	XC..050204	FTNA0204S	TW06
MT 12R/L-2.25D	○		12	16	20	27.0	33.0	45.0	78.0	XC..060204	FTNA02205S	TW06
MT 14R/L-2.25D	○		14	18	20	31.5	38.5	45.0	83.5	XC..070304	FTKA0255S	TW07
MT 16R/L-2.25D	○		16	20	25	36.0	44.0	50.0	94.0	XC..080304	FTNA0306	TW09
MT 20R/L-2.25D	○		20	25	32	45.0	55.0	56.0	111.0	XC..10T304	FTNA0350S	TW15

○ : non-standard
(will be managed as a stock)

◆ HOLDER CODE SYSTEM

M T 2 0 R - 2 . 2 5 D

Multi-Turn

Holder
Diameter(φ)
MM

Hand of
tool

R : Right
L : Left

Max. depth

MM