

| Cutter dia. | Overall length | Thread length | Thread+Neck length | Shank dia. |
|-------------|----------------|---------------|--------------------|------------|
| Dc | L | ℓ | ℓ_n | Ds |

JIS

①

Spiral Fluted Taps
(for blind hole)

②

Spiral Fluted Taps
(for through hole)

③

Spiral Pointed Taps
(for through hole)

④

Hand Taps

⑤

Cemented
Carbide Taps

⑥

Roll Taps

⑦

Special Thread Taps
Simple Inspection Tools

⑧

Pipe Taps

⑨

Thread Mills
Premium Thread Mills

⑩

Dies

⑪

Center Drills
Centering Tools

⑫

Precision Machinery/
Medical Surgical Instruments

JIS

⑨-13

MC-HLC

Thread Mills for Parallel Pipe Threads



Specification



■ MC-HLC is the tool cutting threads by using helical interpolating process. One MC-HLC can produce external and internal threads of different diameter, and both right hand threads and left hand threads, as far as the thread pitch is same.

Tapping Speeds depending on Materials

Low carbon steels
低炭素鋼
25~40
(m/min)

Medium carbon steels
中炭素鋼
20~35
(m/min)

High carbon steels
高炭素鋼
20~35
(m/min)

Cast irons
鑄鉄
30~45
(m/min)

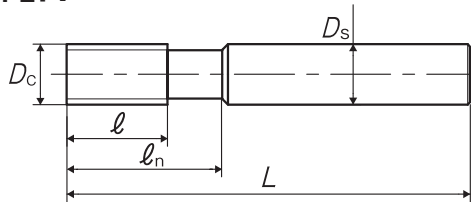
Ductile cast irons
強靱鑄鉄
30~45
(m/min)

Brass
黄銅
40~70
(m/min)

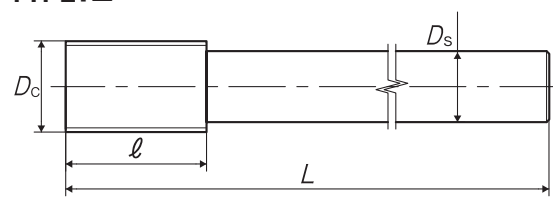
Wrought aluminum
アルミ圧延材
50~80
(m/min)

Aluminum alloy castings
アルミ合金鋳物
50~80
(m/min)

TYPE: 1



TYPE: 2



Segment : 57

| Tool No. | Code | Cutter diameter Dc (mm) | Number of threads | L (mm) | ℓ (mm) | ℓ_n (mm) | Ds (mm) | No. of flutes | Processable thread size | TYPE | MSRP |
|----------------|-----------|-------------------------------|-------------------------|-----------|----------------|------------------|------------|------------------|----------------------------|------|-----------------------|
| For PF Threads | | | | | | | | | | | |
| 10154X19G | HLCX010-G | 10 | 19 | 70 | 15 | 24 | 10 | 4 | 3/8 | 1 | ¥ 37,100 [※] |
| 12204X14G | HLCX012QG | 12 | 14 | 80 | 20 | 30 | 12 | 4 | 1/2 · 3/4 | 1 | ¥ 39,300 [※] |
| 20305X11G | HLCX020UG | 20 | 11 | 100 | 30 | 48 | 20 | 5 | 1 ~ 2 | 1 | ¥ 46,700 [※] |
| 32506X11G | HLCX032UG | 32 | 11 | 200 | 50 | - | 25 | 6 | 2 1/2 ~ 6 | 2 | ¥ 66,600 [※] |

• For the details of how to use thread mills, please refer to Technical information P.72 to P.78.