

Cutter dia.	Overall length	Thread length	Thread+Neck length	Shank dia.
Dc	L	ℓ	ℓn	Ds

S
JIS

MC-HLC

Thread Mills for Taper Pipe Threads



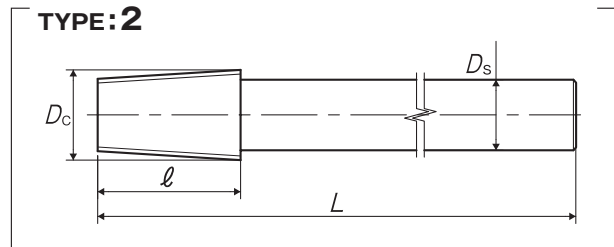
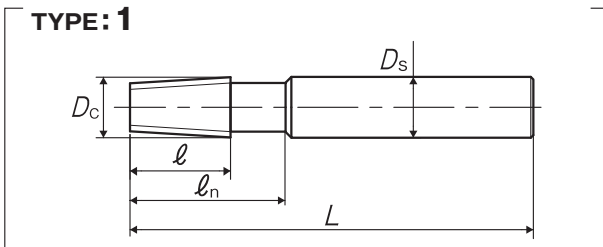
Specification



■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 低碳素鋼	Medium carbon steels 中炭素鋼	High carbon steels 高炭素鋼	Cast irons 鑄鉄	Ductile cast irons 強靱鑄鉄	Brass 黄銅	Wrought aluminum アルミ圧延材	Aluminum alloy castings アルミ合金鑄物
25~40 (m/min)	20~35 (m/min)	20~35 (m/min)	30~45 (m/min)	30~45 (m/min)	40~70 (m/min)	50~80 (m/min)	50~80 (m/min)



Segment : 57

Tool No.	Code	Cutter diameter Dc (mm)	Number of threads	L (mm)	ℓ (mm)	ℓn (mm)	Ds (mm)	No. of flutes	Processable thread size	TYPE	MSRP
For PT Threads											
10154X19R	HLCX010-R	10	19	70	15	24	10	4	3/8	1	¥ 43,600*
12204X14R	HLCX012QR	12	14	80	20	30	12	4	1/2 · 3/4	1	¥ 46,500*
20305X11R	HLCX020UR	20	11	100	30	48	20	5	1 ~ 2	1	¥ 55,400*
32506X11R	HLCX032UR	32	11	200	50	-	25	6	2 1/2 ~ 6	2	¥ 71,900*

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

- 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/Metal Surgical Instruments