

Taps for through hole of medium hardness carbon steel



• Medium Hardness SL Taps=MHSL •

Feature of products

For carbon steel of medium hardness, MHSL M6~M16X1.5

L

(mm)

62

70

75

75

82

82

82

88

95

Chamfe

5P

5P

5P

5P

5P

5P

7P

7P

7P

ł

(mm)

15

19

23

23

26

26

26

26

26

ln

(mm)

26

-

_

-

-

-

-



Features

Size

M8X1.25

M10X1.5

M10X1.25

M12X1.75

M12X1.5

M14X1.5

M16X1.5

M12X1.25

M6X1

- •Long tool life Combination of Co-HSS (featuring wear resistance) and special coating realizes high durability.
- Improved chip ejection ····· Having Yamawa's special flute design, MHSL accomplishes splendid chip ejection performance.
- •Good surface roughness.....Superior cutting performance results in preferable surface roughness.

Table of dimensions and sizes

Code

MHSLR6.0M5

MHSLS8.0N5

MHSLS01005

MHSLS010N5

MHSLT012P5

MHSLT012O5

MHSLT012N7

MHSLT01407

MHSLT01607



Class

P3

Ρ4

Ρ4

Ρ4

P5

Ρ5

Ρ5

Ρ5

Ρ5



ls

(mm)

33

36

38

38

42

42

42

45

48

Ds

(mm)

6

6.2

7

7

8.5

8.5

8.5

10.5

12.5

Κ

(mm)

4.5

5

5.5

5.5

6.5

6.5

6.5

8

10

łk

7

8

8

8

9

9

9

11

13

No.o

flutes

3

3

3

3

4 4

4

4

4

TYPE:3	Ds	×
		- Sk

f S	Flute Form
	To imrove chip ejection, MHSL have 2-step-flute taper.
	2-step-flute taper pushes out chips smoothly. Cross section of 2-step-flute taper.

Tapping data

Improved wear resistance feature Improved surface roughness Good! tapping condition As a result of M12X1.25 size Due to wear, MHSL PO no high cutting performance, MHSL produces far better material S53C(25HRC) tap having old design surface first thread length 13mm tapping treatment internal screws caused noise at internal tapping speed 30m/min first tapping 1239 tapping with good surface screw nterna roughness. machine machining center thread screw thread cutting oil water soluble (external) Good! SL + TIN MHSL coating -TICN 2800 irst 1239 holes apping holes still nterna NG running screw thread

Warning

office

- •Tools may shatter. Wear cover or eye glasses to avoid injury during tapping.
- ◆Tools may shatter. Use tools under the proper tapping condition.
- ♦Never wear gloves during turning operations as the gloves may get caught with the tools.
- •Wear safety shoes to avoid injuring yourself by the falling tools.
- •On attaching tools to the machine, fasten firmly to avoid chattering and run-out.
- +Fasten the work pieces firmly so that they never move during operation. Never use worn tools or damaged tools with chipping. •Take a special care to fire trouble. High temperature during machining may cause fire.

YAMAWA Mfg. Co., Ltd. Head

Nakajima Gold bldg.13-10 Kyobashi



Website:http://www.yamawa.com

YAMAWA group for Overseas

YAMAWA International Co., Ltd.



[Example of tapping]





MHSI has attained very high durability in through hole

tappings of steel

hardness.

bearings.

product of medium

such as automobile

component-Hub