

| Overall length | Thread length | Thread + Neck length | Shank length | Shank dia. | Size of square | Length of square |
|----------------|---------------|----------------------|--------------|------------|----------------|------------------|
| L | ℓ | ℓ_n | ℓ_s | Ds | K | ℓ_k |

ANSI

N-RZ

Roll Taps for Steels



Specification



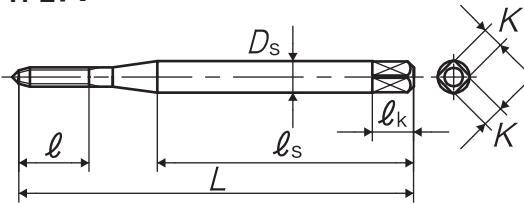
Tapping Speed depending on Materials

Low carbon steels
低碳素鋼
5~15
(m/min)

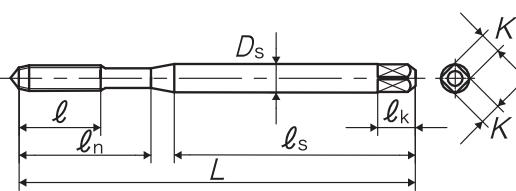
Medium carbon steels
中碳素鋼
5~15
(m/min)

■ N-RZ is the forming tap suitable for ferrous materials such as carbon steels, alloy steels, and normal steels.

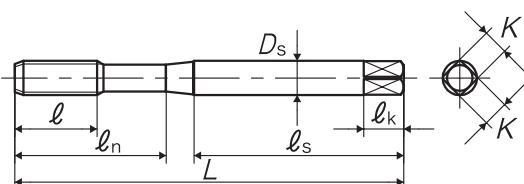
TYPE: 1



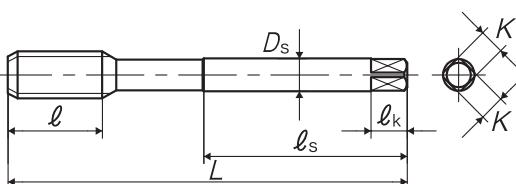
TYPE: 2



TYPE: 3



TYPE: 4



Segment : 1J

| Size | Class | Code | Chamfer | L (inch) | ℓ (inch) | ℓ_n (inch) | ℓ_s (inch) | Ds (inch) | K (inch) | ℓ_k (inch) | Lobe | TYPE |
|--------------------|-------|---------|---------|----------|---------------|-----------------|-----------------|-----------|----------|-----------------|------|------|
| For Metric Threads | | | | | | | | | | | | |
| M3 × 0.5 | D5 | 389513M | 4P | 2.205 | 0.433 | 0.736 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| M3 × 0.5 | D5 | 389512M | 2P | 2.205 | 0.433 | 0.736 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| M3.5 × 0.6 | D6 | 389515M | 4P | 2.205 | 0.433 | 0.748 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| M3.5 × 0.6 | D6 | 389514M | 2P | 2.205 | 0.433 | 0.748 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| M4 × 0.7 | D6 | 389517M | 4P | 2.48 | 0.512 | 0.815 | 1.535 | 0.168 | 0.131 | 0.25 | 4 | 2 |
| M4 × 0.7 | D6 | 389516M | 2P | 2.48 | 0.512 | 0.815 | 1.535 | 0.168 | 0.131 | 0.25 | 4 | 2 |
| M5 × 0.8 | D7 | 389519M | 4P | 2.756 | 0.551 | 0.984 | 1.654 | 0.194 | 0.152 | 0.25 | 4 | 2 |
| M5 × 0.8 | D7 | 389518M | 2P | 2.756 | 0.551 | 0.984 | 1.654 | 0.194 | 0.152 | 0.25 | 4 | 2 |
| M6 × 1 | D8 | 389521M | 4P | 3.15 | 0.591 | 1.181 | 1.713 | 0.255 | 0.191 | 0.312 | 4 | 2 |
| M6 × 1 | D8 | 389520M | 2P | 3.15 | 0.591 | 1.181 | 1.713 | 0.255 | 0.191 | 0.312 | 4 | 2 |
| M7 × 1 | D9 | 389523M | 4P | 3.543 | 0.748 | 1.339 | 1.831 | 0.318 | 0.238 | 0.375 | 4 | 3 |
| M7 × 1 | D9 | 389522M | 2P | 3.543 | 0.748 | 1.339 | 1.831 | 0.318 | 0.238 | 0.375 | 4 | 3 |
| M8 × 1.25 | D9 | 389527M | 4P | 3.543 | 0.748 | 1.378 | 1.831 | 0.318 | 0.238 | 0.375 | 6 | 3 |
| M8 × 1.25 | D9 | 389526M | 2P | 3.543 | 0.748 | 1.378 | 1.831 | 0.318 | 0.238 | 0.375 | 6 | 3 |
| M8 × 1 | D9 | 389525M | 4P | 3.543 | 0.748 | 1.378 | 1.831 | 0.318 | 0.238 | 0.375 | 6 | 3 |
| M8 × 1 | D9 | 389524M | 2P | 3.543 | 0.748 | 1.378 | 1.831 | 0.318 | 0.238 | 0.375 | 6 | 3 |

6 Roll Tap Series

| Overall length | Thread length | Thread + Neck length | Shank length | Shank dia. | Size of square | Length of square |
|----------------|---------------|----------------------|--------------|------------|----------------|------------------|
| L | l | ln | ls | Ds | K | lk |

ANSI

N-RZ Roll Taps for Steels

- 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

| Size | Class | Code | Chamfer | L (inch) | l (inch) | ln (inch) | ls (inch) | Ds (inch) | K (inch) | lk (inch) | Lobe | TYPE |
|---------------------|-------|---------|---------|----------|----------|-----------|-----------|-----------|----------|-----------|------|------|
| M10 × 1.5 | D10 | 389531M | 4P | 3.937 | 0.906 | 1.535 | 2.126 | 0.381 | 0.286 | 0.437 | 8 | 3 |
| M10 × 1.5 | D10 | 389530M | 2P | 3.937 | 0.906 | 1.535 | 2.126 | 0.381 | 0.286 | 0.437 | 8 | 3 |
| M10 × 1.25 | D9 | 389529M | 4P | 3.937 | 0.906 | 1.535 | 2.126 | 0.381 | 0.286 | 0.437 | 8 | 3 |
| M10 × 1.25 | D9 | 389528M | 2P | 3.937 | 0.906 | 1.535 | 2.126 | 0.381 | 0.286 | 0.437 | 8 | 3 |
| M12 × 1.75 | D11 | 389535M | 4P | 4.331 | 1.024 | - | 2.205 | 0.367 | 0.275 | 0.437 | 8 | 4 |
| M12 × 1.75 | D11 | 389534M | 2P | 4.331 | 1.024 | - | 2.205 | 0.367 | 0.275 | 0.437 | 8 | 4 |
| M12 × 1.25 | D9 | 389533M | 4P | 4.331 | 1.024 | - | 2.205 | 0.367 | 0.275 | 0.437 | 8 | 4 |
| M12 × 1.25 | D9 | 389532M | 2P | 4.331 | 1.024 | - | 2.205 | 0.367 | 0.275 | 0.437 | 8 | 4 |
| For Unified Threads | | | | | | | | | | | | |
| No.0-80UNF | H2 | 389410M | 2P | 1.772 | 0.236 | - | 1.161 | 0.141 | 0.11 | 0.187 | 3 | 1 |
| No.1-64UNC | H2 | 389411M | 2P | 1.772 | 0.276 | - | 1.161 | 0.141 | 0.11 | 0.187 | 3 | 1 |
| No.1-72UNF | H2 | 389412M | 2P | 1.772 | 0.276 | - | 1.161 | 0.141 | 0.11 | 0.187 | 3 | 1 |
| No.2-56UNC | H2 | 389413M | 2P | 1.772 | 0.314 | - | 1.161 | 0.141 | 0.11 | 0.187 | 4 | 1 |
| No.2-56UNC | H3 | 389414M | 2P | 1.772 | 0.314 | - | 1.161 | 0.141 | 0.11 | 0.187 | 4 | 1 |
| No.2-64UNF | H2 | 389415M | 2P | 1.772 | 0.314 | - | 1.161 | 0.141 | 0.11 | 0.187 | 4 | 1 |
| No.2-64UNF | H3 | 389416M | 2P | 1.772 | 0.314 | - | 1.161 | 0.141 | 0.11 | 0.187 | 4 | 1 |
| No.3-48UNC | H2 | 389417M | 2P | 2.205 | 0.354 | 0.681 | 1.28 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.3-48UNC | H3 | 389418M | 2P | 2.205 | 0.354 | 0.681 | 1.28 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.3-56UNF | H2 | 389419M | 2P | 2.205 | 0.354 | 0.681 | 1.28 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.3-56UNF | H3 | 389420M | 2P | 2.205 | 0.354 | 0.681 | 1.28 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.4-40UNC | H3 | 389423M | 4P | 2.205 | 0.354 | 0.709 | 1.28 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.4-40UNC | H3 | 389421M | 2P | 2.205 | 0.354 | 0.709 | 1.28 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.4-40UNC | H5 | 389424M | 4P | 2.205 | 0.354 | 0.709 | 1.28 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.4-40UNC | H5 | 389422M | 2P | 2.205 | 0.354 | 0.709 | 1.28 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.4-48UNF | H3 | 389427M | 4P | 2.205 | 0.354 | 0.709 | 1.28 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.4-48UNF | H3 | 389425M | 2P | 2.205 | 0.354 | 0.709 | 1.28 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.4-48UNF | H5 | 389428M | 4P | 2.205 | 0.354 | 0.709 | 1.28 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.4-48UNF | H5 | 389426M | 2P | 2.205 | 0.354 | 0.709 | 1.28 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.5-40UNC | H3 | 389431M | 4P | 2.205 | 0.433 | 0.736 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.5-40UNC | H3 | 389429M | 2P | 2.205 | 0.433 | 0.736 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.5-40UNC | H5 | 389432M | 4P | 2.205 | 0.433 | 0.736 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.5-40UNC | H5 | 389430M | 2P | 2.205 | 0.433 | 0.736 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.5-44UNC | H3 | 389435M | 4P | 2.205 | 0.433 | 0.736 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.5-44UNC | H3 | 389433M | 2P | 2.205 | 0.433 | 0.736 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.5-44UNC | H5 | 389436M | 4P | 2.205 | 0.433 | 0.736 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.5-44UNC | H5 | 389434M | 2P | 2.205 | 0.433 | 0.736 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.6-32UNC | H3 | 389440M | 4P | 2.205 | 0.433 | 0.748 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.6-32UNC | H3 | 389437M | 2P | 2.205 | 0.433 | 0.748 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.6-32UNC | H5 | 389441M | 4P | 2.205 | 0.433 | 0.748 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.6-32UNC | H5 | 389438M | 2P | 2.205 | 0.433 | 0.748 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.6-40UNF | H3 | 389444M | 4P | 2.205 | 0.433 | 0.748 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.6-40UNF | H3 | 389442M | 2P | 2.205 | 0.433 | 0.748 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.6-40UNF | H5 | 389445M | 4P | 2.205 | 0.433 | 0.748 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.6-40UNF | H5 | 389443M | 2P | 2.205 | 0.433 | 0.748 | 1.339 | 0.141 | 0.11 | 0.187 | 4 | 2 |
| No.8-32UNC | H3 | 389448M | 4P | 2.48 | 0.512 | 0.827 | 1.535 | 0.168 | 0.131 | 0.25 | 4 | 2 |
| No.8-32UNC | H3 | 389446M | 2P | 2.48 | 0.512 | 0.827 | 1.535 | 0.168 | 0.131 | 0.25 | 4 | 2 |
| No.8-32UNC | H5 | 389449M | 4P | 2.48 | 0.512 | 0.827 | 1.535 | 0.168 | 0.131 | 0.25 | 4 | 2 |
| No.8-32UNC | H5 | 389447M | 2P | 2.48 | 0.512 | 0.827 | 1.535 | 0.168 | 0.131 | 0.25 | 4 | 2 |
| No.8-36UNF | H3 | 389452M | 4P | 2.48 | 0.512 | 0.827 | 1.535 | 0.168 | 0.131 | 0.25 | 4 | 2 |
| No.8-36UNF | H3 | 389450M | 2P | 2.48 | 0.512 | 0.827 | 1.535 | 0.168 | 0.131 | 0.25 | 4 | 2 |

ANSI

Think threads with
YAMAWA

⑥-19

• This product is different from JIS products in shape and dimensions, please be careful when using.

| Overall length | Thread length | Thread + Neck length | Shank length | Shank dia. | Size of square | Length of square |
|----------------|---------------|----------------------|--------------|------------|----------------|------------------|
| L | l | ln | ls | Ds | K | lk |

N-RZ Roll Taps for Steels

| Size | Class | Code | Chamfer | L (inch) | l (inch) | ln (inch) | ls (inch) | Ds (inch) | K (inch) | lk (inch) | Lobe | TYPE |
|-------------|-------|---------|---------|----------|----------|-----------|-----------|-----------|----------|-----------|------|------|
| No.8-36UNF | H5 | 389453M | 4P | 2.48 | 0.512 | 0.827 | 1.535 | 0.168 | 0.131 | 0.25 | 4 | 2 |
| No.8-36UNF | H5 | 389451M | 2P | 2.48 | 0.512 | 0.827 | 1.535 | 0.168 | 0.131 | 0.25 | 4 | 2 |
| No.10-24UNC | H4 | 389456M | 4P | 2.756 | 0.551 | 0.945 | 1.654 | 0.194 | 0.152 | 0.25 | 4 | 2 |
| No.10-24UNC | H4 | 389454M | 2P | 2.756 | 0.551 | 0.945 | 1.654 | 0.194 | 0.152 | 0.25 | 4 | 2 |
| No.10-24UNC | H6 | 389457M | 4P | 2.756 | 0.551 | 0.945 | 1.654 | 0.194 | 0.152 | 0.25 | 4 | 2 |
| No.10-24UNC | H6 | 389455M | 2P | 2.756 | 0.551 | 0.945 | 1.654 | 0.194 | 0.152 | 0.25 | 4 | 2 |
| No.10-32UNF | H4 | 389460M | 4P | 2.756 | 0.551 | 0.945 | 1.654 | 0.194 | 0.152 | 0.25 | 4 | 2 |
| No.10-32UNF | H4 | 389458M | 2P | 2.756 | 0.551 | 0.945 | 1.654 | 0.194 | 0.152 | 0.25 | 4 | 2 |
| No.10-32UNF | H6 | 389461M | 4P | 2.756 | 0.551 | 0.945 | 1.654 | 0.194 | 0.152 | 0.25 | 4 | 2 |
| No.10-32UNF | H6 | 389459M | 2P | 2.756 | 0.551 | 0.945 | 1.654 | 0.194 | 0.152 | 0.25 | 4 | 2 |
| No.12-24UNC | H4 | 389464M | 4P | 3.15 | 0.591 | 0.984 | 1.953 | 0.22 | 0.165 | 0.281 | 4 | 2 |
| No.12-24UNC | H4 | 389462M | 2P | 3.15 | 0.591 | 0.984 | 1.953 | 0.22 | 0.165 | 0.281 | 4 | 2 |
| No.12-24UNC | H6 | 389465M | 4P | 3.15 | 0.591 | 0.984 | 1.953 | 0.22 | 0.165 | 0.281 | 4 | 2 |
| No.12-24UNC | H6 | 389463M | 2P | 3.15 | 0.591 | 0.984 | 1.953 | 0.22 | 0.165 | 0.281 | 4 | 2 |
| No.12-28UNF | H4 | 389468M | 4P | 3.15 | 0.591 | 0.984 | 1.953 | 0.22 | 0.165 | 0.281 | 4 | 2 |
| No.12-28UNF | H4 | 389466M | 2P | 3.15 | 0.591 | 0.984 | 1.953 | 0.22 | 0.165 | 0.281 | 4 | 2 |
| No.12-28UNF | H6 | 389469M | 4P | 3.15 | 0.591 | 0.984 | 1.953 | 0.22 | 0.165 | 0.281 | 4 | 2 |
| No.12-28UNF | H6 | 389467M | 2P | 3.15 | 0.591 | 0.984 | 1.953 | 0.22 | 0.165 | 0.281 | 4 | 2 |
| 1/4-20UNC | H4 | 389472M | 4P | 3.15 | 0.591 | 1.181 | 1.713 | 0.255 | 0.191 | 0.312 | 4 | 2 |
| 1/4-20UNC | H4 | 389470M | 2P | 3.15 | 0.591 | 1.181 | 1.713 | 0.255 | 0.191 | 0.312 | 4 | 2 |
| 1/4-20UNC | H6 | 389473M | 4P | 3.15 | 0.591 | 1.181 | 1.713 | 0.255 | 0.191 | 0.312 | 4 | 2 |
| 1/4-20UNC | H6 | 389471M | 2P | 3.15 | 0.591 | 1.181 | 1.713 | 0.255 | 0.191 | 0.312 | 4 | 2 |
| 1/4-28UNF | H4 | 389476M | 4P | 3.15 | 0.591 | 1.181 | 1.713 | 0.255 | 0.191 | 0.312 | 4 | 2 |
| 1/4-28UNF | H4 | 389474M | 2P | 3.15 | 0.591 | 1.181 | 1.713 | 0.255 | 0.191 | 0.312 | 4 | 2 |
| 1/4-28UNF | H6 | 389477M | 4P | 3.15 | 0.591 | 1.181 | 1.713 | 0.255 | 0.191 | 0.312 | 4 | 2 |
| 1/4-28UNF | H6 | 389475M | 2P | 3.15 | 0.591 | 1.181 | 1.713 | 0.255 | 0.191 | 0.312 | 4 | 2 |
| 5/16-18UNC | H5 | 389480M | 4P | 3.543 | 0.748 | 1.378 | 1.831 | 0.318 | 0.238 | 0.375 | 6 | 3 |
| 5/16-18UNC | H5 | 389478M | 2P | 3.543 | 0.748 | 1.378 | 1.831 | 0.318 | 0.238 | 0.375 | 6 | 3 |
| 5/16-18UNC | H7 | 389481M | 4P | 3.543 | 0.748 | 1.378 | 1.831 | 0.318 | 0.238 | 0.375 | 6 | 3 |
| 5/16-18UNC | H7 | 389479M | 2P | 3.543 | 0.748 | 1.378 | 1.831 | 0.318 | 0.238 | 0.375 | 6 | 3 |
| 5/16-24UNF | H5 | 389484M | 4P | 3.543 | 0.748 | 1.378 | 1.831 | 0.318 | 0.238 | 0.375 | 6 | 3 |
| 5/16-24UNF | H5 | 389482M | 2P | 3.543 | 0.748 | 1.378 | 1.831 | 0.318 | 0.238 | 0.375 | 6 | 3 |
| 5/16-24UNF | H7 | 389485M | 4P | 3.543 | 0.748 | 1.378 | 1.831 | 0.318 | 0.238 | 0.375 | 6 | 3 |
| 5/16-24UNF | H7 | 389483M | 2P | 3.543 | 0.748 | 1.378 | 1.831 | 0.318 | 0.238 | 0.375 | 6 | 3 |
| 3/8-16UNC | H5 | 389488M | 4P | 3.937 | 0.906 | 1.535 | 2.028 | 0.381 | 0.286 | 0.437 | 6 | 3 |
| 3/8-16UNC | H5 | 389486M | 2P | 3.937 | 0.906 | 1.535 | 2.028 | 0.381 | 0.286 | 0.437 | 6 | 3 |
| 3/8-16UNC | H7 | 389489M | 4P | 3.937 | 0.906 | 1.535 | 2.028 | 0.381 | 0.286 | 0.437 | 6 | 3 |
| 3/8-16UNC | H7 | 389487M | 2P | 3.937 | 0.906 | 1.535 | 2.028 | 0.381 | 0.286 | 0.437 | 6 | 3 |
| 3/8-24UNF | H5 | 389492M | 4P | 3.937 | 0.906 | 1.535 | 2.028 | 0.381 | 0.286 | 0.437 | 6 | 3 |
| 3/8-24UNF | H5 | 389490M | 2P | 3.937 | 0.906 | 1.535 | 2.028 | 0.381 | 0.286 | 0.437 | 6 | 3 |
| 3/8-24UNF | H7 | 389493M | 4P | 3.937 | 0.906 | 1.535 | 2.028 | 0.381 | 0.286 | 0.437 | 6 | 3 |
| 3/8-24UNF | H7 | 389491M | 2P | 3.937 | 0.906 | 1.535 | 2.028 | 0.381 | 0.286 | 0.437 | 6 | 3 |
| 7/16-14UNC | H5 | 389496M | 4P | 3.937 | 0.906 | - | 2.008 | 0.323 | 0.242 | 0.406 | 8 | 4 |
| 7/16-14UNC | H5 | 389494M | 2P | 3.937 | 0.906 | - | 2.008 | 0.323 | 0.242 | 0.406 | 8 | 4 |
| 7/16-14UNC | H7 | 389497M | 4P | 3.937 | 0.906 | - | 2.008 | 0.323 | 0.242 | 0.406 | 8 | 4 |
| 7/16-14UNC | H7 | 389495M | 2P | 3.937 | 0.906 | - | 2.008 | 0.323 | 0.242 | 0.406 | 8 | 4 |
| 7/16-20UNF | H5 | 389502M | 4P | 3.937 | 0.906 | - | 2.008 | 0.323 | 0.242 | 0.406 | 8 | 4 |
| 7/16-20UNF | H5 | 389498M | 2P | 3.937 | 0.906 | - | 2.008 | 0.323 | 0.242 | 0.406 | 8 | 4 |
| 7/16-20UNF | H7 | 389503M | 4P | 3.937 | 0.906 | - | 2.008 | 0.323 | 0.242 | 0.406 | 8 | 4 |
| 7/16-20UNF | H7 | 389499M | 2P | 3.937 | 0.906 | - | 2.008 | 0.323 | 0.242 | 0.406 | 8 | 4 |

- 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

6 Roll Tap Series

| Overall length | Thread length | Thread + Neck length | Shank length | Shank dia. | Size of square | Length of square |
|----------------|---------------|----------------------|--------------|------------|----------------|------------------|
| L | ℓ | ℓn | ℓs | Ds | K | ℓk |

ANSI

N-RZ Roll Taps for Steels

| Size | Class | Code | Chamfer | L (inch) | ℓ (inch) | ℓn (inch) | ℓs (inch) | Ds (inch) | K (inch) | ℓk (inch) | Lobe | TYPE |
|-----------|-------|---------|---------|----------|----------|-----------|-----------|-----------|----------|-----------|------|------|
| 1/2-13UNC | H5 | 389506M | 4P | 4.331 | 1.024 | - | 2.205 | 0.367 | 0.275 | 0.437 | 8 | 4 |
| 1/2-13UNC | H5 | 389504M | 2P | 4.331 | 1.024 | - | 2.205 | 0.367 | 0.275 | 0.437 | 8 | 4 |
| 1/2-13UNC | H7 | 389507M | 4P | 4.331 | 1.024 | - | 2.205 | 0.367 | 0.275 | 0.437 | 8 | 4 |
| 1/2-13UNC | H7 | 389505M | 2P | 4.331 | 1.024 | - | 2.205 | 0.367 | 0.275 | 0.437 | 8 | 4 |
| 1/2-20UNF | H5 | 389510M | 4P | 4.331 | 1.024 | - | 2.205 | 0.367 | 0.275 | 0.437 | 8 | 4 |
| 1/2-20UNF | H5 | 389508M | 2P | 4.331 | 1.024 | - | 2.205 | 0.367 | 0.275 | 0.437 | 8 | 4 |
| 1/2-20UNF | H7 | 389511M | 4P | 4.331 | 1.024 | - | 2.205 | 0.367 | 0.275 | 0.437 | 8 | 4 |
| 1/2-20UNF | H7 | 389509M | 2P | 4.331 | 1.024 | - | 2.205 | 0.367 | 0.275 | 0.437 | 8 | 4 |

Number of oil grooves : Metric thread : M3 ~ M7 = 4, M8 = 3, M10 and larger = 4
 Unified thread : No.4 and smaller = non, No.5 ~ 1/4 = 4, 5/16 ~ 3/8 = 3, 7/16 and larger = 4
 For M6, 1/4 and smaller with 2P chamfer, the external center is cut off.

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

ANSI



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• This product is different from JIS products in shape and dimensions, please be careful when using.