

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓ <sub>n</sub>	ℓ <sub>s</sub>	D <sub>s</sub>	K	ℓ <sub>k</sub>

- ANSI
- 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 Tools
- 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



## HP-RZ



High Performance Roll Taps, Coated

### Specification

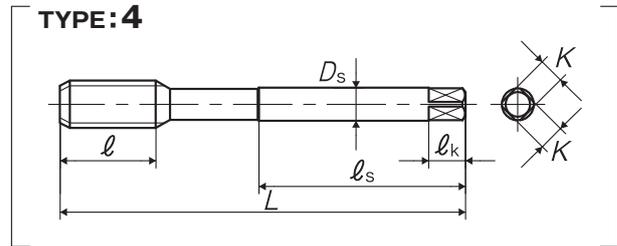
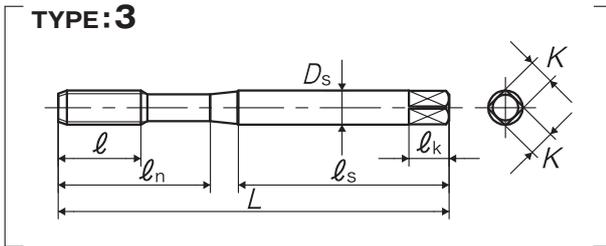
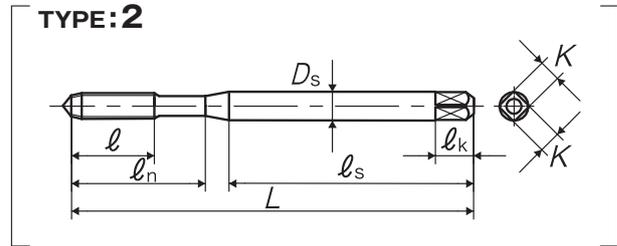
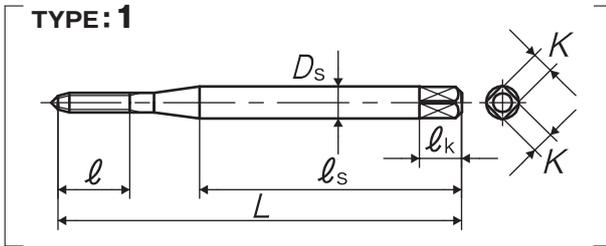


■ HP-RZ is the forming tap suitable for steels (up to 35HRC) and light alloys, and applicable to the high speed tapping. Optimum coating suitable to the tapping condition.

### Tapping Speed depending on Materials

Low carbon steels 低碳素鋼	Medium carbon steels 中炭素鋼	High carbon steels 高炭素鋼	Alloy steels 合金鋼	Thermal refined steels 調質鋼	Stainless steels ステンレス鋼	Aluminum alloy castings アルミ合金鋳物
15~30 (m/min)	15~30 (m/min)	15~25 (m/min)	15~25 (m/min)	15~25 (m/min)	10~25 (m/min)	15~30 (m/min)

25~35HRC



Segment : 1J

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓ <sub>n</sub> (inch)	ℓ <sub>s</sub> (inch)	D <sub>s</sub> (inch)	K (inch)	ℓ <sub>k</sub> (inch)	Lobe	TYPE
For Metric Threads												
M3 × 0.5	D5	386885M	4P	2.205	0.433	0.736	1.339	0.141	0.11	0.187	4	2
M3 × 0.5	D5	386864M	2P	2.205	0.433	0.736	1.339	0.141	0.11	0.187	4	2
M3.5 × 0.6	D6	386886M	4P	2.205	0.433	0.748	1.339	0.141	0.11	0.187	4	2
M3.5 × 0.6	D6	386865M	2P	2.205	0.433	0.748	1.339	0.141	0.11	0.187	4	2
M4 × 0.7	D6	386887M	4P	2.48	0.512	0.815	1.535	0.168	0.131	0.25	4	2
M4 × 0.7	D6	386866M	2P	2.48	0.512	0.815	1.535	0.168	0.131	0.25	4	2
M5 × 0.8	D7	386888M	4P	2.756	0.551	0.984	1.654	0.194	0.152	0.25	4	2
M5 × 0.8	D7	386867M	2P	2.756	0.551	0.984	1.654	0.194	0.152	0.25	4	2
M6 × 1	D8	386889M	4P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	4	2
M6 × 1	D8	386868M	2P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	4	2
M7 × 1	D9	386870M	4P	3.543	0.748	1.339	1.831	0.318	0.238	0.375	4	3
M7 × 1	D9	386869M	2P	3.543	0.748	1.339	1.831	0.318	0.238	0.375	4	3
M8 × 1.25	D9	386874M	4P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	6	3
M8 × 1.25	D9	386873M	2P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	6	3
M8 × 1	D9	386872M	4P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	6	3
M8 × 1	D9	386871M	2P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	6	3
M10 × 1.5	D10	386878M	4P	3.937	0.906	1.535	2.126	0.381	0.286	0.437	8	3

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

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓn (inch)	ℓs (inch)	Ds (inch)	K (inch)	ℓk (inch)	Lobe	TYPE
M10 × 1.5	D10	386877M	2P	3.937	0.906	1.535	2.126	0.381	0.286	0.437	8	3
M10 × 1.25	D9	386876M	4P	3.937	0.906	1.535	2.126	0.381	0.286	0.437	8	3
M10 × 1.25	D9	386875M	2P	3.937	0.906	1.535	2.126	0.381	0.286	0.437	8	3
M12 × 1.75	D11	386884M	4P	4.331	1.024	-	2.205	0.367	0.275	0.437	8	4
M12 × 1.75	D11	386883M	2P	4.331	1.024	-	2.205	0.367	0.275	0.437	8	4
M12 × 1.5	D9	386882M	4P	4.331	1.024	-	2.205	0.367	0.275	0.437	8	4
M12 × 1.5	D9	386881M	2P	4.331	1.024	-	2.205	0.367	0.275	0.437	8	4
M12 × 1.25	D9	386880M	4P	4.331	1.024	-	2.205	0.367	0.275	0.437	8	4
M12 × 1.25	D9	386879M	2P	4.331	1.024	-	2.205	0.367	0.275	0.437	8	4
For Unified Threads												
No.0-80UNF	H2	386800M	2P	1.772	0.236	-	1.161	0.141	0.11	0.187	3	1
No.2-56UNC	H3	386801M	2P	1.772	0.314	-	1.161	0.141	0.11	0.187	4	1
No.3-48UNC	H3	386802M	2P	2.205	0.354	0.681	1.28	0.141	0.11	0.187	4	2
No.3-56UNF	H3	386803M	2P	2.205	0.354	0.681	1.28	0.141	0.11	0.187	4	2
No.4-40UNC	H3	386804M	2P	2.205	0.354	0.709	1.28	0.141	0.11	0.187	4	2
No.4-40UNC	H5	386805M	2P	2.205	0.354	0.709	1.28	0.141	0.11	0.187	4	2
No.4-48UNF	H3	386806M	2P	2.205	0.354	0.709	1.28	0.141	0.11	0.187	4	2
No.4-48UNF	H5	386807M	2P	2.205	0.354	0.709	1.28	0.141	0.11	0.187	4	2
No.5-40UNC	H5	386799M	2P	2.205	0.433	0.736	1.339	0.141	0.11	0.187	4	2
No.6-32UNC	H3	386810M	4P	2.205	0.433	0.748	1.339	0.141	0.11	0.187	4	2
No.6-32UNC	H3	386808M	2P	2.205	0.433	0.748	1.339	0.141	0.11	0.187	4	2
No.6-32UNC	H5	386811M	4P	2.205	0.433	0.748	1.339	0.141	0.11	0.187	4	2
No.6-32UNC	H5	386809M	2P	2.205	0.433	0.748	1.339	0.141	0.11	0.187	4	2
No.8-32UNC	H3	386814M	4P	2.48	0.512	0.827	1.535	0.168	0.131	0.25	4	2
No.8-32UNC	H3	386812M	2P	2.48	0.512	0.827	1.535	0.168	0.131	0.25	4	2
No.8-32UNC	H5	386815M	4P	2.48	0.512	0.827	1.535	0.168	0.131	0.25	4	2
No.8-32UNC	H5	386813M	2P	2.48	0.512	0.827	1.535	0.168	0.131	0.25	4	2
No.10-24UNC	H4	386818M	4P	2.756	0.551	0.945	1.654	0.194	0.152	0.25	4	2
No.10-24UNC	H4	386816M	2P	2.756	0.551	0.945	1.654	0.194	0.152	0.25	4	2
No.10-24UNC	H6	386819M	4P	2.756	0.551	0.945	1.654	0.194	0.152	0.25	4	2
No.10-24UNC	H6	386817M	2P	2.756	0.551	0.945	1.654	0.194	0.152	0.25	4	2
No.10-32UNF	H4	386822M	4P	2.756	0.551	0.945	1.654	0.194	0.152	0.25	4	2
No.10-32UNF	H4	386820M	2P	2.756	0.551	0.945	1.654	0.194	0.152	0.25	4	2
No.10-32UNF	H6	386823M	4P	2.756	0.551	0.945	1.654	0.194	0.152	0.25	4	2
No.10-32UNF	H6	386821M	2P	2.756	0.551	0.945	1.654	0.194	0.152	0.25	4	2
1/4-20UNC	H4	386826M	4P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	4	2
1/4-20UNC	H4	386824M	2P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	4	2
1/4-20UNC	H6	386827M	4P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	4	2
1/4-20UNC	H6	386825M	2P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	4	2
1/4-28UNF	H4	386830M	4P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	4	2
1/4-28UNF	H4	386828M	2P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	4	2
1/4-28UNF	H6	386831M	4P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	4	2
1/4-28UNF	H6	386829M	2P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	4	2
5/16-18UNC	H5	386834M	4P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	6	3
5/16-18UNC	H5	386832M	2P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	6	3
5/16-18UNC	H7	386835M	4P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	6	3
5/16-18UNC	H7	386833M	2P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	6	3
5/16-24UNF	H5	386838M	4P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	6	3
5/16-24UNF	H5	386836M	2P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	6	3
5/16-24UNF	H7	386839M	4P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	6	3

- ① Spiral Fluted Taps (for blind hole)
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- 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

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