

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>

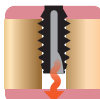


## ZEN-P



### Spiral Pointed Taps for Nickel Base Alloys

#### Specification

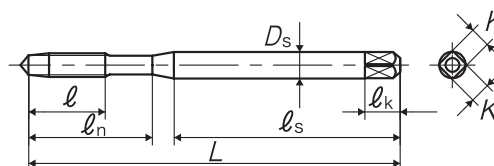


ZEN-P is the spiral pointed tap for nickel base alloys which, with nickel as main composition, have much higher corrosion resistance and much higher heat resistance than steels.

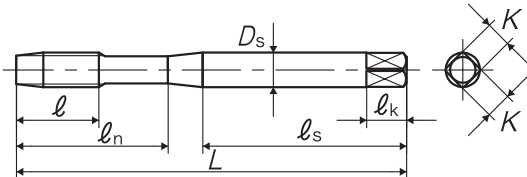
#### Tapping Speeds depending on Materials



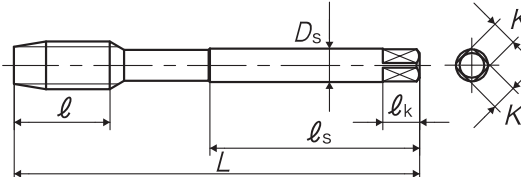
#### TYPE: 1



#### TYPE: 2



#### TYPE: 3



Segment : 1F

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ <sub>n</sub> (mm)	ℓ <sub>s</sub> (mm)	D <sub>s</sub> (mm)	K (mm)	ℓ <sub>k</sub> (mm)	No. of flutes	TYPE
For Metric Threads												
M3 × 0.5	ISO2X	PD3.0GBJPW	4.5P	56	9	18	34	3.5	2.7	6	3	1
M4 × 0.7	ISO2X	PD4.0IBJPW	4.5P	63	13	21	38	4.5	3.4	6	3	1
M5 × 0.8	ISO2X	PD5.0KBJPW	4.5P	70	14	25	39	6	4.9	8	3	1
M6 × 1	ISO2X	PD6.0MBJPW	4.5P	80	15	30	45	6	4.9	8	3	1
M8 × 1.25	ISO2X	PD8.0NBJPW	4.5P	90	19	35	47	8	6.2	9	3	2
M10 × 1.5	ISO2X	PD010OBJPW	4.5P	100	23	39	52.5	10	8	11	3	2
M10 × 1.25	ISO2X	PM010NBJPW	4.5P	100	23	-	51	7	5.5	8	3	3
M12 × 1.75	ISO2X	PG012PBJPW	4.5P	110	26	-	56	9	7	10	3	3
M12 × 1.5	ISO2X	PM012OBJPW	4.5P	100	21	-	51	9	7	10	3	3
M12 × 1.25	ISO2X	PM012NBJPW	4.5P	100	21	-	51	9	7	10	3	3
M14 × 2	ISO2X	PG014QBJPW	4.5P	110	26	-	56	11	9	12	3	3
M14 × 1.5	ISO2X	PM014OBJPW	4.5P	100	21	-	51	11	9	12	3	3
M16 × 2	ISO2X	PG016QBJPW	4.5P	110	26	-	56	12	9	12	3	3
M16 × 1.5	ISO2X	PM016OBJPW	4.5P	100	21	-	51	12	9	12	3	3
M18 × 2.5	ISO2X	PG018RBJPW	4.5P	125	33	-	64	14	11	14	3	3
M20 × 2.5	ISO2X	PG020RBJPW	4.5P	140	33	-	71	16	12	15	3	3
M22 × 2.5	ISO2X	PG022RBJPW	4.5P	140	33	-	71	18	14.5	17	3	3
M24 × 3	ISO2X	PG024SBJPW	4.5P	160	37	-	82	18	14.5	17	3	3

- ③ DIN 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

# ③ Spiral Pointed Tap Series for through hole

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

**DIN**

## ZEN-P Spiral Pointed Taps for Nickel Base Alloys

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE
For Unified Threads												
<b>No.6-32UNC</b>	2BX	PDUN6JYJPW	4.5P	56	11	19	32	4	3	6	3	1
<b>No.8-32UNC</b>	2BX	PDUN8JYJPW	4.5P	63	13	21	38	4.5	3.4	6	3	1
<b>No.10-24UNC</b>	2BX	PDUNAMYJPW	4.5P	70	14	24	39	6	4.9	8	3	1
<b>No.10-32UNF</b>	2BX	PDUNAJYJPW	4.5P	70	14	24	39	6	4.9	8	3	1
<b>1/4-20UNC</b>	2BX	PDU04NYJPW	4.5P	80	15	30	42	7	5.5	8	3	1
<b>1/4-28UNF</b>	2BX	PDU04KYJPW	4.5P	80	15	30	42	7	5.5	8	3	1
<b>5/16-18UNC</b>	2BX	PDU05OYJPW	4.5P	90	19	35	47	8	6.2	9	3	2
<b>5/16-24UNF</b>	2BX	PMU05MYJPW	4.5P	90	19	-	46	6	4.9	8	3	3
<b>3/8-16UNC</b>	2BX	PDU06PYJPW	4.5P	100	23	39	54.5	9	7	10	3	2
<b>3/8-24UNF</b>	2BX	PMU06MYJPW	4.5P	100	23	-	51	7	5.5	8	3	3
<b>1/2-13UNC</b>	2BX	PGU08RYJPW	4.5P	110	26	-	56	9	7	10	3	3
<b>1/2-20UNF</b>	2BX	PMU08NYJPW	4.5P	100	21	-	51	9	7	10	3	3
<b>5/8-11UNC</b>	2BX	PGU10UYJPW	4.5P	110	26	-	56	12	9	12	3	3
<b>5/8-18UNF</b>	2BX	PMU10OYJPW	4.5P	100	21	-	51	12	9	12	3	3
<b>3/4-10UNC</b>	2BX	PGU12VYJPW	4.5P	125	33	-	64	14	11	14	3	3
<b>3/4-16UNF</b>	2BX	PMU12PYJPW	4.5P	110	24	-	56	14	11	14	3	3

- 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

**DIN**

③-105



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