

Z-PRO GGST

Z-PRO
Straight Fluted Taps for Cast Irons

Specification

HSS

Coating



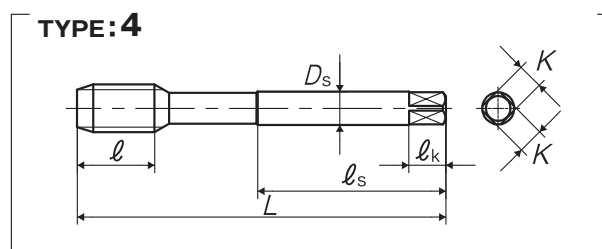
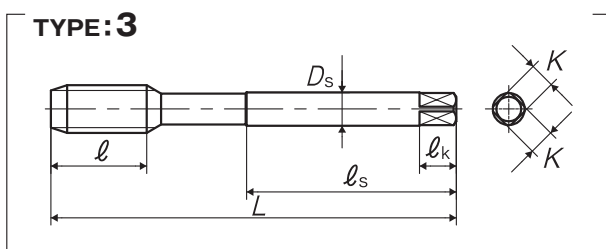
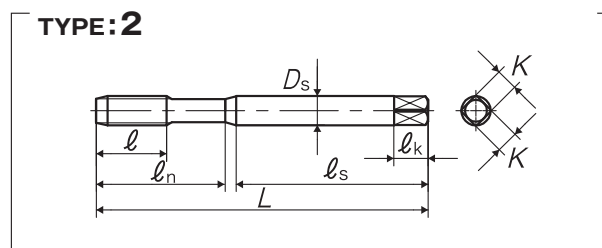
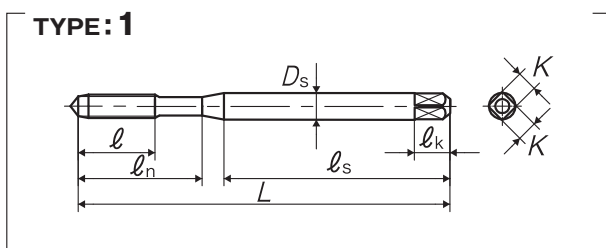
■ Suitable for hard and abrasive materials such as cast irons. Considering comparatively quick wear, GGST is properly oversized.

Tapping Speeds depending on Materials

Cast irons
鑄鉄
5~20
(m/min)

Ductile cast irons
強靱鑄鉄
5~20
(m/min)

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



Segment : 1B (G=1H)

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE
For Metric Threads												
M3 × 0.5	ISO2X	3104101035	C (2.5P)	56	9	18	34	3.5	2.7	6	3	1
M4 × 0.7	ISO2X	3104101042	C (2.5P)	63	13	21	38	4.5	3.4	6	4	1
M5 × 0.8	ISO2X	3104101049	C (2.5P)	70	14	25	39	6	4.9	8	4	1
M6 × 1	ISO2X	3104101055	C (2.5P)	80	15	30	45	6	4.9	8	4	1
M8 × 1.25	ISO2X	3104101064	C (2.5P)	90	19	35	47	8	6.2	9	4	2
M8 × 1	ISO2X	3104101065	C (2.5P)	90	19	-	46	6	4.9	8	4	3
M10 × 1.5	ISO2X	3104101078	C (2.5P)	100	23	39	52.5	10	8	11	4	2
M10 × 1.25	ISO2X	3104101079	C (2.5P)	100	23	-	51	7	5.5	8	4	3
M10 × 1	ISO2X	3104101080	C (2.5P)	90	19	-	46	7	5.5	8	4	3
M12 × 1.75	ISO2X	3104101088	C (2.5P)	110	26	-	56	9	7	10	4	4
M12 × 1.5	ISO2X	3104101089	C (2.5P)	100	21	-	51	9	7	10	4	3
M12 × 1.25	ISO2X	3104101090	C (2.5P)	100	21	-	51	9	7	10	4	3
M12 × 1	ISO2X	3104101091	C (2.5P)	100	21	-	51	9	7	10	4	3
M14 × 2	ISO2X	3104101100	C (2.5P)	110	26	-	56	11	9	12	4	4
M14 × 1.5	ISO2X	3104101102	C (2.5P)	100	21	-	51	11	9	12	4	3
M16 × 2	ISO2X	3104101114	C (2.5P)	110	26	-	56	12	9	12	4	4

④ Hand 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

DIN

GGST Z-PRO Straight Fluted Taps for Cast Irons

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE
M16 × 1.5	ISO2X	3104101116	C (2.5P)	100	21	-	51	12	9	12	4	3
M18 × 2.5	ISO2X	3104101128	C (2.5P)	125	33	-	64	14	11	14	4	4
M18 × 1.5	ISO2X	3104101130	C (2.5P)	110	24	-	56	14	11	14	4	3
M20 × 2.5	ISO2X	3104101141	C (2.5P)	140	33	-	71	16	12	15	4	4
M20 × 1.5	ISO2X	3104101144	C (2.5P)	125	24	-	64	16	12	15	4	3
M22 × 2.5	ISO2X	3104101156	C (2.5P)	140	33	-	71	18	14.5	17	4	4
M22 × 1.5	ISO2X	3104101158	C (2.5P)	125	24	-	64	18	14.5	17	4	3
M24 × 3	ISO2X	3104101167	C (2.5P)	160	37	-	82	18	14.5	17	4	4
M24 × 1.5	ISO2X	3104101170	C (2.5P)	140	27	-	71	18	14.5	17	4	3
For G Threads												
G 1/8-28	-	3104130004	C (2.5P)	90	19	-	46	7	5.5	8	4	3
G 1/4-19	-	3104130006	C (2.5P)	100	21	-	51	11	9	12	4	3
G 3/8-19	-	3104130008	C (2.5P)	100	21	-	51	12	9	12	4	3
G 1/2-14	-	3104130009	C (2.5P)	125	24	-	64	16	12	15	4	3
G 3/4-14	-	3104130011	C (2.5P)	140	27	-	71	20	16	19	4	3
G 1 -11	-	3104130013	C (2.5P)	160	29	-	82	25	20	23	4	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

④-99

 Think threads with
YAMAWA

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