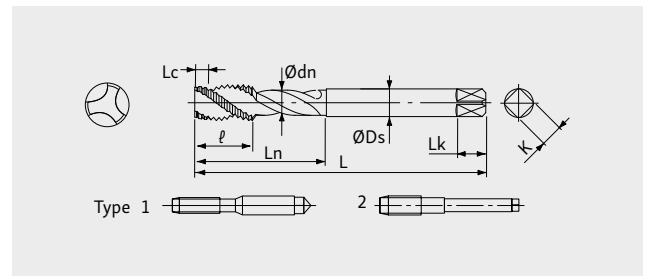


SGSP – DIN Spiral Tap Oversize

- ▶ Modified bottoming style 2.5 thread chamfer
- ▶ SG-Coating
- ▶ DIN overall length
- ▶ Premium powdered high-speed steel



LIST: 6812 6GX

M	Pitch	Pitch Chamfer	OAL	Thread Length			Shank Ø	Square Width	Square Length	Z	Type	DIN	Stock
		Lc	L	ℓ	Ln	dn	Ds	K	LK				
4	0.7	2.5P	63	8.1	21	3.15	4.5	3.4	6	3	1	371	●
5	0.8	2.5P	70	9.4	25	4.05	6.0	4.9	8	3	1	371	●
6	1	2.5P	80	12.0	30	4.75	6.0	4.9	8	3	1	371	●
8	1.25	2.5P	90	15.4	35	6.55	8.0	6.2	9	3	1*	371	●
10	1.5	2.5P	100	18.9	39	8.25	10.0	8.0	11	3	1*	371	●
12	1.75	2.5P	110	22.4	42	9.95	9.0	7.0	10	3	2	376	●

* With male center



LIST: 6812 7GX

M	Pitch	Pitch Chamfer	OAL	Thread Length			Shank Ø	Square Width	Square Length	Z	Type	DIN	Stock
		Lc	L	ℓ	Ln	dn	Ds	K	LK				
4	0.7	2.5P	63	8.1	21	3.15	4.5	3.4	6	3	1	371	●
5	0.8	2.5P	70	9.4	25	4.05	6.0	4.9	8	3	1	371	●
6	1	2.5P	80	12.0	30	4.75	6.0	4.9	8	3	1	371	●
8	1.25	2.5P	90	15.4	35	6.55	8.0	6.2	9	3	1*	371	●
10	1.5	2.5P	100	18.9	39	8.25	10.0	8.0	11	3	1*	371	●
12	1.75	2.5P	110	22.4	42	9.95	9.0	7.0	10	3	2	376	●

* With male center

Suitable for Tapping Structural Steels to Stainless Steels and Aluminium Alloys

APPLICABLE WORK MATERIALS											
Work Materials	ST52 Structural Steel	C15 Low Carbon Steel	C40 C<0.45%	C50 C>0.45%	20Cr.42CrMo Alloy Steel		Hardened Steel	SUS Stainless Steel	GG Grey Cast Iron	GGG Ductile Cast Iron	AC.ADC Aluminum Alloy
	~200HB	~200HB	~200HB	~200HB	~200HB	20~30HRC	30~40HRC				
SGSP	○	○	●	●	●	○	△	○	x	○	○
SGPO	●	●	●	●	●	●	△	●	x	○	○

● Excellent | ○ Good | △ OK | x Not Applicable

Cutting Condition

RECOMMENDED CUTTING SPEED & CUTTING FLUIDS												
Work Materials	Recommended Cutting Speed m/min											
	ST52 Structural Steel	C15 Low Carbon Steel	C40 C<0.45%	C50 C>0.45%	20Cr.42CrMo Alloy Steel		Hardened Steel	SUS Stainless Steel	GG Grey Cast Iron	GGG Ductile Cast Iron	AC.ADC Aluminum Alloy	
	~200HB	~200HB	~200HB	~200HB	~200HB	20~30HRC	30~40HRC					
SG-Taps	SGSP	15~30	15~30	10~50	10~50	15~30	8~15	-	5~10	-	10~30	15~50
	SGPO	15~50	15~30	15~50	10~50	15~50	10~30	-	5~15	-	15~30	15~50
Cutting Fluids		Water-based emulsion from 7%										

1. These are general cutting recommendations and may be altered by your conditions.
2. These conditions are for thread depth of $2 \times D_c$.
3. Recommended are non-water-soluble cutting oils for Stainless Steel.

