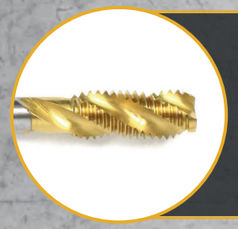
THE UNIVERSAL: MACHINE TAPS SILVER

Silver stands for precisely coordinated production processes with state-of-the-art machine tools for the highest precision of the tools. These taps are suitable for general use in various materials. Additionally, you can choose between three different coatings.



TiN TITANIUM NITRIDE COATING

For years, the TiN coating has been the first choice for tap coating, and already established itself as an all-rounder coating. By using this coating, the coefficient of friction and tendency to cold weld are reduced.

AlTin ALUMINIUM TITANIUM NITRIDE COATING

The AlTiN coating is especially used in areas with high cutting data. The high hardness of this coating in combination with oxidation resistance at high temperatures enables demanding cutting tasks, at which extreme temperatures occur at the cutting edges as well as through outgoing chips. The coating can therefore be used with minimum lubrication or even for dry processing.

AlCro CHROME ALUMINIUM COATING

The AlCro coating offers high hardness in combination with excellent temperature resistance and ductility. It proved itself at metal cutting processes and ensures better tool life and high surface quality.

NEW GEOMETRY

The GSR Silver machine taps are characterised by their special geometry. It ensures less friction and improves chip removal. While cutting internal threads, all the cutting work is done by the teeth of the chamfer.
The remaining threaded part is only used to guide the tap. Usually, these teeth rub against the thread.

The GSR Silver machine taps have flattened guiding teeth. This reduces friction and the tool life of the machine taps is increased.

ADVANTAGES OF THE NEW GEOMETRY

- Reduction of friction on the thread
- Reduction of risk of breakage
- Risk of deformation of the thread almost impossible
- Better chip removal through polished flutes

TABLE SECTION SILVER

	Coating	Blank	TiN	AlTiN	AlCro	Blank	TiN	AlTiN	AlCro
	Chamfer	B	B	B	B	RSP 35°	RSP 35°	RSP 35°	RSP 35°
	Hole type	DULO	DULO	DULO	DULO	SALO	SALO	SALO	SALO
	Thread length	1.1/2xd	1.1/2xd	1.1/2xd	1.1/2xd	2,5xd	2,5xd	2,5xd	2,5xd

DIN 2184-1 (DIN 371)

Size	Pitch	Tap hole							
mm	mm	mm							
M 2	0,4	1,6	09000080	09004080	09008080	09012080	09002080	09006080	09010080	09014080
M 2,5	0,45	2,05	09000110	09004110	09008110	09012110	09002110	09006110	09010110	09014110
M 3	0,5	2,5	09000130	09004130	09008130	09012130	09002130	09006130	09010130	09014130
M 4	0,7	3,3	09000150	09004150	09008150	09012150	09002150	09006150	09010150	09014150
M 5	0,8	4,2	09000170	09004170	09008170	09012170	09002170	09006170	09010170	09014170
M 6	1,0	5,0	09000190	09004190	09008190	09012190	09002190	09006190	09010190	09014190
M 8	1,25	6,8	09000210	09004210	09008210	09012210	09002210	09006210	09010210	09014210
M 10	1,5	8,5	09000230	09004230	09008230	09012230	09002230	09006230	09010230	09014230

DIN 2184-1 (DIN 376)

Size	Pitch	Tap hole							
mm	mm	mm							
M 12	1,75	10,2	09001250	09005250	09009250	09013250	09003250	09007250	09011250	09015250
M 14	2,0	12,0	09001260	09005260	09009260	09013260	09003260	09007260	09011260	09015260
M 16	2,0	14,0	09001270	09005270	09009270	09013270	09003270	09007270	09011270	09015270
M 18	2,5	15,5	09001280	09005280	09009280	09013280	09003280	09007280	09011280	09015280
M 20	2,5	17,5	09001290	09005290	09009290	09013290	09003290	09007290	09011290	09015290
M 22	2,5	19,5	09001300	09005300	09009300	09013300	09003300	09007300	09011300	09015300
M 24	3,0	21,0	09001310	09005310	09009310	09013310	09003310	09007310	09011310	09015310
M 27	3,0	24,0	09001320	09005320	09009320	09013320	09003320	09007320	09011320	09015320
M 30	3,5	26,5	09001330	09005330	09009330	09013330	09003330	09007330	09011330	09015330
M 33	3,5	29,5	09001340	09005340	09009340	09013340	09003340	09007340	09011340	09015340
M 36	4,0	32,0	09001350	09005350	09009350	09013350	09003350	09007350	09011350	09015350