

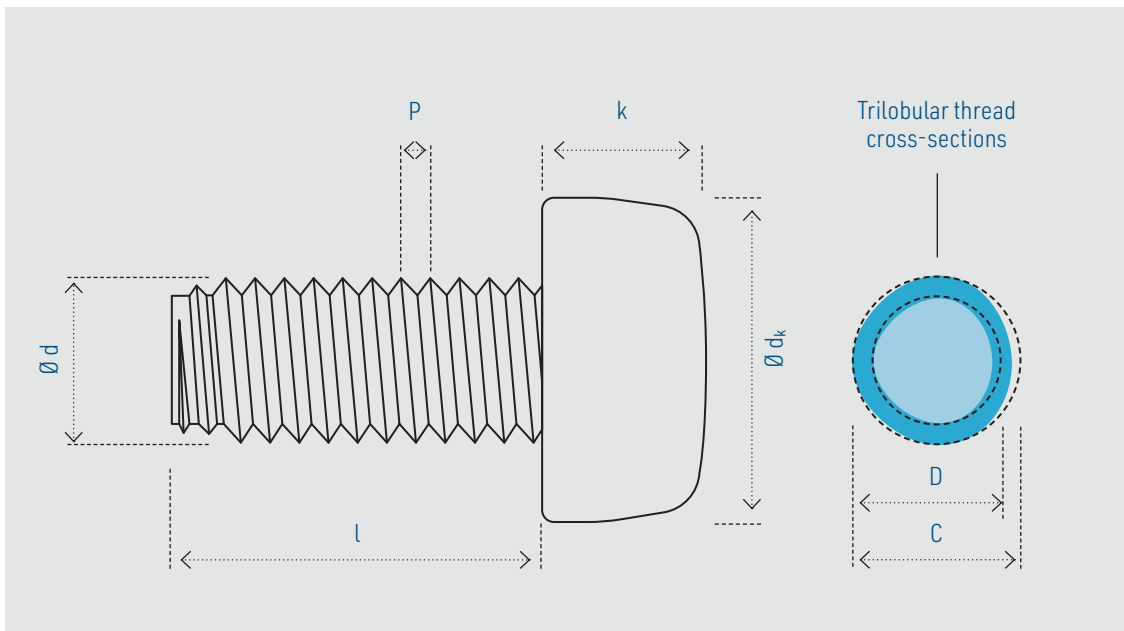
GEVAG TAP

Self-tapping thread-cutting
screws for secure joining of steel,
light and non-ferrous metals

GEVAG TAP

Our Gevag TAP thread-cutting screws according to DIN 7500 cut metric threads into steel as well as light and non-ferrous metals. Their trilobular thread shape allows them to be screwed into a drilled or punched hole without pre-cutting a mating thread.

Their thread-cutting properties create a metric ISO mating thread without chipping when screwed in, with relatively little effort due to the low tightening torque. This saves work processes and also ensures a backlash-free thread and therefore a very good friction between the screw and the material of the component. The mating thread in the component is shaped to accept a commercially available screw, providing optimum compatibility. Gevag TAP is available in different head shapes and thread diameters and for different tool holders (M2 – M6) and can be individually configured.



Advantages of Gevag TAP





- No separate thread-cutting necessary
- Cost savings up to 30% compared to screws that require a nut thread to be drilled
- The cut thread is metric, which means that a standard ISO screw can be used.
- No chipping during the tightening process
- Low thread-cutting torque for easy assembly

Industry use

- Automotive industry
- Mechanical and plant engineering
- Household appliances



Threads and head shapes

Nominal diameter d ISO	Pitch P mm	Thread		Cutting range max. mm	 Pan head Head Ø d_k mm	Head height k mm	 Cheese head Head Ø d_k mm	Head height k mm	 Countersunk head ¹ Head Ø d_k mm	Head height k mm	 Raised counter-sunk head ¹ Head Ø d_k mm	Head height k mm
		C mm	D mm									
M 2,5	0,45	2,48 +0,09	2,39 +0,09	1,8	5,0	2,0	4,5	1,6	4,7	1,5	4,7	1,6
M 3	0,5	2,98 +0,09	2,80 +0,17	2,0	6,0	2,4	5,5	2,0	5,6	1,65	5,6	1,7
M 3,5	0,6	3,48 +0,10	3,36 +0,10	2,4	7,0	2,7	6,0	2,4	6,5	1,9	6,5	1,93
M 4	0,7	3,98 +0,10	3,84 +0,10	2,8	8,0	3,1	7,0	2,6	7,5	2,2	7,5	2,5
M 5	0,8	4,98 +0,11	4,82 +0,11	3,2	10,0	3,8	8,5	3,3	9,2	2,5	9,2	2,5
M 6	1,0	5,97 +0,13	5,77 +0,13	4,0	12,0	4,6	10,0	3,9	11,0	3,0	11,0	3,0

Heat treatment: Case-hardened and tempered - Surface protection available in all standard versions. Anti-friction coatings optional.

Recommended core holes according to DIN 7500 Part 1

¹ Note! For countersunk head screws, the head height k is included in the length.

Further head shapes and dimensions on request.

Lengths and tolerances

Nominal diameter d	Tolerance / Length															
	l mm															
	$\pm 0,37$		$\pm 0,45$		$\pm 0,55$				$\pm 0,65$				$\pm 0,80$		$\pm 1,00$	
	5	6	8	10	12	14	16	18	20	22	25	30	35	40	45	50
M 2,5	•	•	•	•	•	•	•	•	•	•	•	•				
M 3	•	•	•	•	•	•	•	•	•	•	•	•				
M 3,5	•	•	•	•	•	•	•	•	•	•	•	•				
M 4		•	•	•	•	•	•	•	•	•	•	•	•	•		
M 5			•	•	•	•	•	•	•	•	•	•	•	•		
M 6					•	•	•	•	•	•	•	•	•	•	•	•

Note! For countersunk head screws, the head height k is included in the length.

Drives

				
Slotted	Phillips	Combination Phillips	Pozi	Combination Pozi
				
Hex socket	Torx	Combination Torx	Tri-Wing	One Way

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