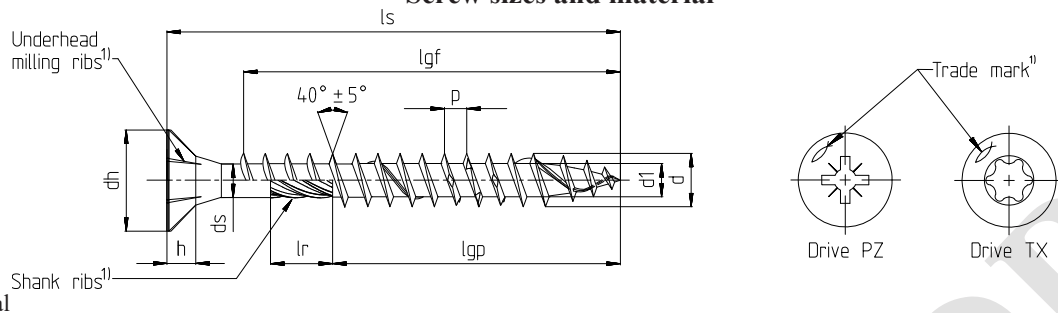


Screw sizes and material



¹⁾ optional

Power-Fast self-drilling screw - Countersunk head with full- or partial thread

- Carbon Steel
- Possible surface treatments: yellow or blue zinc-plated, blue zinc-plated $\geq 12\mu\text{m}$, bonus-zinced, burnished, nickel-, brass plated

Nominal diameter		3,0	3,5	4,0	4,5	5,0	6,0									
d	Outer diameter	3,00	3,50	4,00	4,50	5,00	6,00									
	Allow. deviation	$\pm 0,30$														
d ₁	Core diameter	2,00	2,20	2,50	2,70	3,00	4,00									
	Allow. deviation	$-0,25 / +0,10$														
d _h	Head diameter	6,00	7,00	8,00	9,00	10,00	12,00									
	Allow. deviation	$-0,50 / +0,10$														
d _s	Shank diameter	2,25	2,60	2,90	3,25	3,60	4,20									
	Allow. deviation	$-0,30 / +0,10$														
h	Head height	1,90	2,10	2,50	2,70	3,00	3,80									
p	Thread pitch	1,50	1,80	2,00	2,20	2,50	3,00-4,50									
	Allow. deviation	$\pm 10\%$														
l _r ¹⁾	Shank ribs length	3,75	4,25	4,75	5,50	6,00	7,00									
	Allow. deviation	$\pm 0,75$				$\pm 1,00$										
Drive TX		10		20		20	25	30								
Drive PZ		1					2									
Screw length l _s		Standard thread length l _{gf} = Full thread l _{gp} = Partial thread Tolerance: $\pm 2,0$ ²⁾														
Nominal length	min	max	l _{gf}	l _{gp}	l _{gf}	l _{gp}	l _{gf}	l _{gp}	l _{gf}	l _{gp}	l _{gf}	l _{gp}	l _{gf}	l _{gp}		
20	18,95	21,05	16		16		16		16							
25	23,75	26,25	21		21	18	20	18	20							
30	28,75	31,25	26	18	26	18	25	18	25	18	24					
35	33,50	36,50	31	24	31	24	30	24	30	24	29	24	28			
40	38,50	41,50	36	24	36	24	35	24	35	24	34	24	33	24		
45	43,50	46,50	41	30	41	30	40	30	40	30	39	30	38	30		
50	48,50	51,50			46	30	45	30	45	30	44	30	43	30		
55	53,50	56,50					50	36	50	36	49	36	48			
60	58,50	61,50						36		36		36	53	36		
70	68,50	71,50						42		42		42	63	42		
80	78,50	81,50						50		50		50	73	50		
90	88,25	91,75										60		60		
100	98,25	101,75										60		60		
110	108,25	111,75										70		70		
120	118,25	121,75										70		70		
in steps of 10mm																
130-300	l _s - 2,00	l _s + 2,00														70

All sizes in mm

- Intermediate lengths at l_s are possible
- Screws with partial thread > 50 mm length with shank ribs
- Threaded lengths between $4 \times d \leq l_g \leq l_{g\text{max}}$ are possible

²⁾ $10\text{mm} \geq l_g \leq 18\text{mm} \triangleq \pm 1,5\text{mm}$
 $18\text{mm} \geq l_g \leq 30\text{mm} \triangleq \pm 1,7\text{mm}$