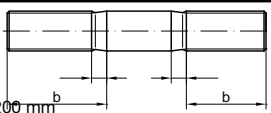
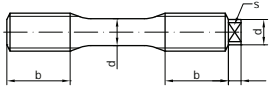


## Dimensions for screws and bolts

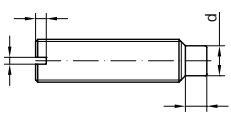


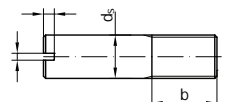
### Studs

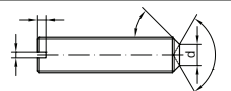
DIN	Dimensions	M 6	M 8	M 10	M 12	M 16	M 20	
<b>940</b> 1) for $l \leq 125$ mm 2) for $125 \text{ mm} < l \leq 200$ mm 3) for $l > 200$ mm		$b_1$	15	20	25	30	40	50
	$x_1$	2.5	3.2	3.8	4.3	5.0	6.3	
	$b_2^{1)}$	18	22	26	30	38	46	
	$b_2^{2)}$	24	28	32	36	44	52	
	$b_2^{3)}$	-	-	45	49	57	65	

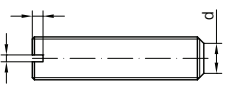
DIN	Dimensions	M 12	M 16	M 20	M 22	M 24	M 27	M 30	M 33	M 36	M 39	
<b>2510 L</b> type L: with long thread		$d_2$	8.5	12	15	16.5	18	20.5	23	25.5	27.5	30.5
	$d_3$	8	12	14	14	14	18	18	25	25	28	
	$b_1$	20	23	28	30	32	35	39	42	45	48	
	$z_2$	4	5	6	6	6	6	6	9	9	10	
	$s$	7	10	11	11	11	13	13	22	22	24	

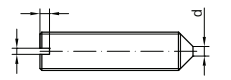
### Set screws/grub screws

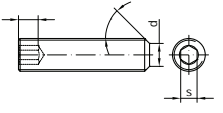
DIN (ISO)	Dimensions	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 16
<b>417 (7435)</b> 	$d_p$	2	2.5	3.5	4	5.5	7	8.5	12
	$z$	1.5	2	2.5	3	4	5	6	7
	$n$	0.4	0.6	0.8	1	1.2	1.6	2	2.5
	$t$	0.8	0.96	1.12	1.28	1.6	2	2.4	2.8

DIN (ISO)	Dimensions	M 3	M 4	M 5	M 6	M 8	M 10	M 12	M 16	M 20
<b>427 (2342)</b> 	$d_s$	3	4	5	6	8	10	12	16	20
	$b$	3.6	4.8	6	7.2	9.6	12	14	18	22
	$n$	0.4	0.6	0.8	1	1.2	1.6	2	2.5	3
	$t$	0.8	1.12	1.28	1.6	2	2.4	2.8	3.2	4

DIN (ISO)	Dimensions	M 3	M 4	M 5	M 6	M 8	M 10
<b>438 (7436)</b> 	$d_{z \max}$	1.4	2	2.5	3	5	6
	$n$	0.4	0.6	0.8	1	1.2	1.6
	$t_{\min}$	0.8	1.12	1.28	1.6	2	2.4

DIN (ISO)	Dimensions	M 1	M 1.4	M 1.6	M 2	M 2.3*	M 2.5	M 2.6*	M 3
<b>551 (4766)</b>  *) dimensions acc. to DIN 551: April 1956	$n$	0.2	0.2	0.25	0.25	0.4	0.4	0.4	0.4
	$t$	0.4	0.48	0.56	0.64	1	0.72	1	0.8
	$d_p$	0.5	0.7	0.8	1	1	1.5	1.5	2
	Dimensions	M 3.5	M 4	M 5	M 6	M 6	M 10	M 12*	
	$n$	0.5	0.6	0.8	1	1.2	1.6	2	
	$t$	0.96	1.12	1.28	1.6	2	2.4	2.8	
	$d_p$	2.2	2.5	3.5	4	5.5	7	8.5	

DIN (ISO)	Dimensions	M 1.4	M 1.6	M 2	M 2.5	M 3	M 3.5	M 4	M 5	M 6	M 8	M 10
<b>553 (7434)</b> 	$n$	0.2	0.25	0.25	0.4	0.4	0.5	0.6	0.8	1	1.2	1.6
	$t$	0.48	0.56	0.64	0.72	0.8	0.96	1.12	1.28	1.6	2	2.4
	$d_{t \max}$	0.14	0.16	0.2	0.25	0.3	0.35	0.4	0.5	1.5	2	2.5

DIN (ISO)	Dimensions	M 1.4	M 1.6	M 2	M 2.5	M 3	M 4	M 5	M 6
<b>913 (4026)</b> 	$s$	0.7	0.7	0.9	1.3	1.5	2	2.5	3
	$d_{p \max} / d_{t \max}$	0.45	0.8	1	1.5	2	2.5	3.5	4
	$t_1$	0.6	0.7	0.8	1.2	1.2	1.5	2	2
	$t_2$	1.4	0.5	0.7	2	2	2.5	3	3.5

DIN (ISO)	Dimensions	M 8	M 10	M 12	M 14	M 16	M 20	M 24
<b>914 (4027)</b> t <sub>1</sub> ) for l above the dashed step line with angle ( $\omega_{DIN 914}$ ) = 120° t <sub>2</sub> ) for l below the dashed step line with angle ( $\omega_{DIN 914}$ ) = 90° step line see product standard	$s$	4	5	6	6	8	10	12
	$d_{p \max}$	5.5	7	8.5	10	12	15	18
	$t_1$	3	4	4.8	5.6	6.4	8	10
	$t_2$	5	6	8	9	10	12	15