

## Dimensions for screws and bolts



### Other screws with metric thread

DIN	Dimensions	M 6	M 8	M 10	M 12	M 16	M 20
480	k	-	11	13	16	20	25
	$C_{max}$	-	3.12	3.12	4.15	4.15	5.15
	$a_1$	-	4	4.5	5.3	6	7.5
	s	-	8	10	13	16 <sup>1)</sup> / 17	21 <sup>1)</sup> / 22
	$d_c$	-	10	13	17	21 <sup>1)</sup> / 22	27 <sup>1)</sup> / 28
	$z_3$	-	2	2.5	3	4	5

1) acc. to ISO 272

DIN	Dimensions	M 6	M 8	M 10	M 12	M 16	M 20	M 24	M 30	M 36
525	b	35	40	45	55	65	75	85	105	125
	$d_s$	6	8	10	12	16	20	24	30	36

DIN	Dimensions	M 8	M 10	M 12	M 16	M 20	M 24	M 30
529 C	b	20	25	30	40	50	60	75
	a	24	30	36	48	60	75	95
	c	12	15	18	24	30	36	45

C = with split swivel

DIN	Dimensions	M 6	M 8	M 10	M 12	M 16	M 20	M 24	M 30
580	$d_2$	17	20	25	30	35	40	50	65
	$d_3$	28	36	45	54	63	72	90	108
	$d_4$	16	20	25	30	35	40	50	60
	h	31	36	45	53	62	71	90	109
	e	4	6	8	10	12	14	18	22
	k	6	8	10	12	14	16	20	14
	Dimensions	M 36	M 42	M 48	M 56	M 64	M 72x6	M 80x6	M 100x6
	$d_2$	75	85	100	110	120	150	170	190
	$d_3$	126	144	166	184	206	260	296	330
	$d_4$	70	80	90	100	110	140	160	180
h	128	147	168	187	208	260	298	330	
e	26	30	35	38	42	50	55	60	
k	28	32	38	42	48	60	68	75	

lifting eye nuts → TI-42  
 further Technical Information (TI) → TI-98

DIN	Dimensions	M 5	M 6	M 8	M 10	M 12	M 16	M 20
603	$d_k$	13.5	16.55	20.65	24.65	30.65	38.8	46.8
	k	3.3	3.88	4.88	5.38	6.95	8.95	11.05
	f	4.1	4.6	5.6	6.6	8.75	12.9	15.9
	v	5.48	6.48	8.58	10.58	12.7	16.7	20.84
	$b_1$	16	18	22	26	30	38	46
	$b_2$	22	24	28	32	36	44	52
	$b_3$	-	-	41	45	49	57	65

$b_1$ ) for  $l \leq 125$  mm  
 $b_2$ ) for  $125 \text{ mm} < l \leq 200$  mm  
 $b_3$ ) for  $l > 200$  mm

DIN	Dimensions	M 6	M 8	M 10	M 12	M 16	M 20	M 24
604	$d_k$	12.55	16.55	19.65	24.65	32.8	32.8	38.8
	k	4	5	5.5	7	9	11.5	13
	a	90°	90°	90°	90°	90°	60°	60°
	g	2.5	3	3.2	3.6	4.2	5.4	6.6
	$b_1$	18	22	26	30	38	46	54
	$b_2$	24	28	32	36	44	52	60
	$b_3$	-	41	45	49	57	65	73

$b_1$ ) for  $l \leq 125$  mm  
 $b_2$ ) for  $125 \text{ mm} < l \leq 200$  mm  
 $b_3$ ) for  $l > 200$  mm