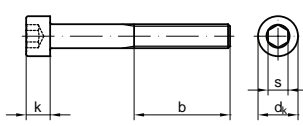
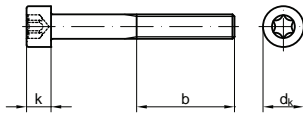


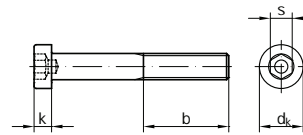


## Dimensions for screws and bolts

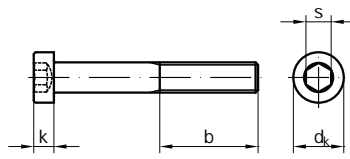
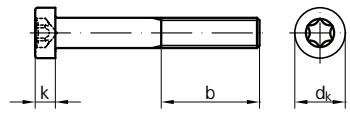
### Hexagon and hexalobular socket screws

DIN (ISO)	Dimensions	M 1.4	M 1.6	M 2	M 2.5	M 3	M 4	M 5	M 6	M 8	M 10
<b>912</b> <b>(4762)</b> <b>(14579)</b>  	$d_k$	2.6	3	3.8	4.5	5.5	7	8.5	10	13	16
	$k$	1.4	1.6	2	2.5	3	4	5	6	8	10
	$s$	1.3	1.5	1.5	2	2.5	3	4	5	6	8
	TORX size	-	-	T6	T8	T10	T20	T25	T30	T45	T50
	$b_1^1)$	14	15	16	17	18	20	22	24	28	32
	Dimensions	M 12	M 14	M 16	M 18	M 20	M 22	M 24	M 27	M 30	M 33
	$d_k$	18	21	24	27	30	33	36	40	45	50
	$k$	12	14	16	18	20	22	24	27	30	33
	$s$	10	12	14	14	17	17	19	19	22	24
	TORX size	T55	T60	T70	T80	T90	-	-	-	-	-
$b_1^1)$	36	40	44	48	52	56	60	66	72	78	
Dimensions	M 36	M 39	M 42	M 45	M 52	M 56	M 64	M 72			
$d_k$	54	58	63	68	78	84	96	108			
$k$	36	39	42	45	52	56	64	72			
$s$	27	27	32	36	36	41	46	55			
TORX size	-	-	-	-	-	-	-	-			
$b_1^1)$	84	90	96	102	116	124	140	156			

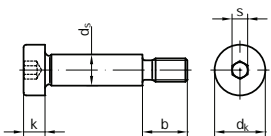
<sup>1)</sup> b acc. to ISO 4762

DIN	Dimensions	M 4	M 5	M 6	M 8	M 10	M 12	M 14	M 16
<b>6912</b> 	$d_k$	7	8.5	10	13	16	18	21	24
	$k$	2.8	3.5	4	5	6.5	7.5	8.5	10
	$s$	3	4	5	6	8	10	12	14
	$b_1$	14	16	18	22	26	30	34	38
	$b_2$	-	-	-	-	32	36	40	44
	$b_3$	-	-	-	-	-	-	-	57
	Dimensions	M 20	M 22	M 24	M 27	M 30	M 33	M 36	
	$d_k$	30	33	36	40	45	50	54	
	$k$	12	13	14	16	17.5	19.5	21.5	
	$s$	17	17	19	19	22	24	27	
$b_1$	46	50	54	60	66	72	78		
$b_2$	52	56	60	66	72	78	84		
$b_3$	65	69	73	79	85	91	97		

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

DIN (ISO)	Dimensions	M 3	M 4	M 5	M 6	M 8	M 10	M 12
<b>7984</b> <b>(14580)</b>  	$d_k$	5.5	7	8.5	10	13	16	18
	$k$	2	2.5	3.5	4	5	6	7
	$s$	2	2.5	3	4	5	7	8
	TORX size	T10	T20	T25	T30	T40 (45)	T50	-
	$b_1$	12	14	16	18	22	26	30
	$b_2$	-	-	-	-	28	32	36
	$b_3$	-	-	-	-	-	-	-
	Dimensions	M 14	M 16	M 18	M 20	M 22	M 24	
	$d_k$	21	24	27	30	33	36	
	$k$	8	9	10	11	12	13	
$s$	10	12	12	14	14	17		
TORX size	-	-	-	-	-	-		
$b_1$	34	38	42	46	50	54		
$b_2$	40	44	48	52	56	60		
$b_3$	-	57	61	65	69	73		

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

ISO	Dimensions	M 5	M 6	M 8	M 10	M 12	M 16
<b>7379</b> 	$d_k$	10	13	16	18	24	30
	$d_s^*$	6.5	8	10	13	16	20
	$k$	4.5	5.5	7	9	11	14
	$s$	3	4	5	6	8	10
	$b$	9.75	11.25	13.25	16.4	18.4	22.4

<sup>\*)</sup> adjusting shank tolerance: steel h8/stainless steel f9