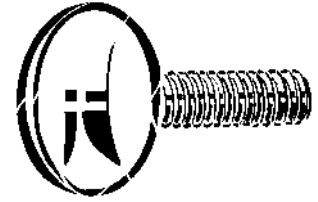
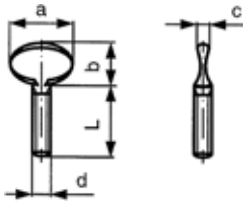


Thumb screw



Technical data

d x a	P	a	b	c
M5x20,5	0,8	20,5	15,5	3,5
M6x23,5	1	23,5	16	4,5
M8x27,5	1,25	27,5	19	4,5
M10x34,5 Ms	1,5	34,5	25	6,5
M10x36	1,5	36	25	6,5

16295 Thumb screw

F11G

Thread	Metric thread
Material	Cast iron 35
Surface treatment	Zinc plated
Packaging	Standard

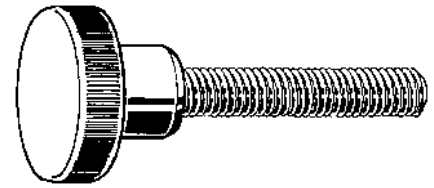
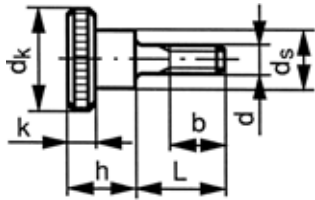


d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M5X10	200	16295.050.010	M6X25	100	16295.060.025	M10X20	50	16295.100.020
M5X12	200	16295.050.012	M6X30	100	16295.060.030	M10X25	50	16295.100.025
M5X16	200	16295.050.016				M10X30	50	16295.100.030
M5X20	200	16295.050.020	M8X16	100	16295.080.016	M10X30	50	16295.100.030
			M8X20	100	16295.080.020	M10X40	50	16295.100.040
M6X10	200	16295.060.010	M8X25	100	16295.080.025	M10X50	20	16295.100.050
M6X12	200	16295.060.012	M8X30	100	16295.080.030			
M6X16	100	16295.060.016	M8X40	50	16295.080.040			
M6X20	100	16295.060.020	M8X50	50	16295.080.050			

- L = useable thread length.

Knurled thumb screw high type

DIN 464



Technical data

d	M3	M4	M5	M6	M8	M10
P	0,5	0,7	0,8	1	1,25	1,5
dk	12	16	20	24	30	36
ds	6	8	10	12	16	20
b	9	12	15	18	24	30
k	2,5	3,5	4	5	6	8
h	7,5	9,5	11,5	15	18	23
Full thread L ≤	12	16	16	20	25	30

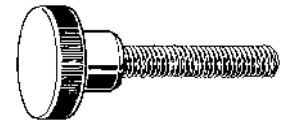
Article groups

Thread	Material	Surface treatment	Packaging	Code	Page
M	Free-cutting steel	Zipl	Standard	16650	6-169
M	Br Cu3		Standard	47480	6-169

16650 Knurled thumb screw high type

F11G

Thread	Metric thread
Material	Free-cutting steel
Surface treatment	Zinc plated
Packaging	Standard



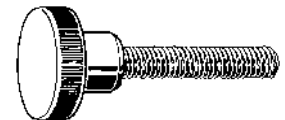
6

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M3X6	100	16650.030.006	M5X6	50	16650.050.006	M8X10	25	16650.080.010
M3X8	100	16650.030.008	M5X8	50	16650.050.008	M8X12	25	16650.080.012
M3X10	100	16650.030.010	M5X10	50	16650.050.010	M8X16	25	16650.080.016
M3X12	100	16650.030.012	M5X12	50	16650.050.012	M8X20	25	16650.080.020
M3X16	100	16650.030.016	M5X16	50	16650.050.016	M8X25	25	16650.080.025
M3X20	100	16650.030.020	M5X20	50	16650.050.020	M8X30	25	16650.080.030
M3X25	100	16650.030.025	M5X25	50	16650.050.025	M8X40	25	16650.080.040
M3X30	100	16650.030.030	M5X30	50	16650.050.030	M8X50	25	16650.080.050
M4X6	50	16650.040.006	M6X8	25	16650.060.008	M10X16	10	16650.100.016
M4X8	50	16650.040.008	M6X10	25	16650.060.010	M10X20	10	16650.100.020
M4X10	50	16650.040.010	M6X12	25	16650.060.012	M10X25	10	16650.100.025
M4X12	50	16650.040.012	M6X16	25	16650.060.016	M10X30	10	16650.100.030
M4X16	50	16650.040.016	M6X20	25	16650.060.020	M10X40	10	16650.100.040
M4X20	50	16650.040.020	M6X25	25	16650.060.025	M10X50	10	16650.100.050
M4X25	50	16650.040.025	M6X30	25	16650.060.030			
M4X30	50	16650.040.030	M6X40	25	16650.060.040			
M4X40	50	16650.040.040	M6X50	25	16650.060.050			

47480 Knurled thumb screw high type

M11D

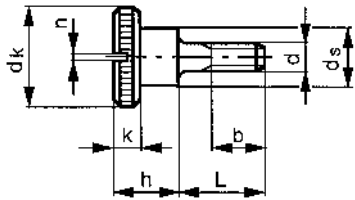
Thread	Metric thread
Material	Brass Cu3
Packaging	Standard



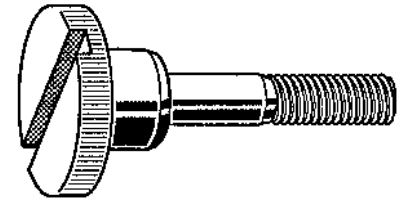
d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M3X6	100	47480.030.006	M4X16	50	47480.040.016	M5X30	50	47480.050.030
M3X8	100	47480.030.008	M4X20	50	47480.040.020	M6X8	25	47480.060.008
M3X10	100	47480.030.010	M4X30	50	47480.040.030	M6X10	25	47480.060.010
M3X12	100	47480.030.012	M5X8	50	47480.050.008	M6X12	25	47480.060.012
M3X16	100	47480.030.016	M5X10	50	47480.050.010	M6X16	25	47480.060.016
M3X20	100	47480.030.020	M5X12	50	47480.050.012	M6X20	25	47480.060.020
M4X8	50	47480.040.008	M5X16	50	47480.050.016	M6X25	25	47480.060.025
M4X10	50	47480.040.010	M5X20	50	47480.050.020	M6X30	25	47480.060.030
M4X12	50	47480.040.012	M5X25	50	47480.050.025	M6X40	25	47480.060.040

47480 Knurled thumb screw high type									
d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number	
M8X12	25	47480.080.012	M8X20	25	47480.080.020	M8X40	25	47480.080.040	
M8X16	25	47480.080.016	M8X25	25	47480.080.025				
			M8X30	25	47480.080.030				

Slotted knurled thumb screw high type



DIN 464 Sz



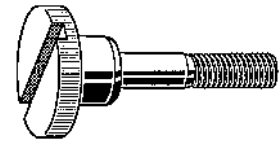
Technical data

	M3	M4	M5	M6
d	M3	M4	M5	M6
P	0,5	0,7	0,8	1
dk	12	16	20	24
ds	6	8	10	12
b	9	12	15	18
k	2,5	3,5	4	5
h	7,5	9,5	11,5	15
n	0,8	1	1,2	1,6
Full thread L ≤	10	16	16	20

51828 Slotted knurled thumb screw high type

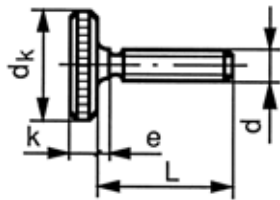
R09A

Thread Metric thread
Material Stainless steel A1
Packaging Standard

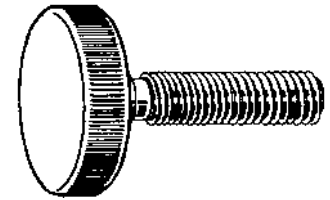


d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M3X6	50	51828.030.006	M4X30	25	51828.040.030	M6X12	10	51828.060.012
M3X8	50	51828.030.008	M5X10	25	51828.050.010	M6X16	10	51828.060.016
M3X10	50	51828.030.010	M5X12	25	51828.050.012	M6X20	10	51828.060.020
M4X8	25	51828.040.008	M5X16	25	51828.050.016	M6X25	10	51828.060.025
M4X10	25	51828.040.010	M5X20	25	51828.050.020	M6X30	10	51828.060.030
M4X12	25	51828.040.012	M5X40	25	51828.050.040			
M4X16	25	51828.040.016						
M4X20	25	51828.040.020	M6X10	10	51828.060.010			

Knurled thumb screw thin type



DIN 653



Technical data

d	P	dk	k	e	Full thread L ≤
M3	0,5	12	2,5	2	10
M4	0,7	16	3,5	3	16
M5	0,8	20	4	3	16
M6	1	24	5	4	16
M8	1,25	30	6	5	20
M10	1,5	36	8	6	25

Article groups

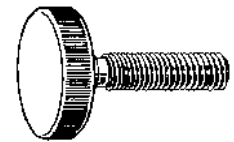
Thread	Material	Surface treatment	Packaging	Code	Page
M	Free-cutting steel	Zipl	Standard	16660	6-172
M	Br Cu3		Standard	47490	6-172

6

16660 Knurled thumb screw thin type

F11G

Thread	Metric thread
Material	Free-cutting steel
Surface treatment	Zinc plated
Packaging	Standard

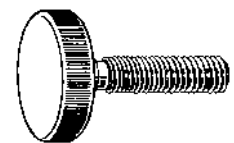


d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M3X6	100	16660.030.006	M5X8	50	16660.050.008	M8X12	25	16660.080.012
M3X8	100	16660.030.008	M5X10	50	16660.050.010	M8X16	25	16660.080.016
M3X10	100	16660.030.010	M5X12	50	16660.050.012	M8X20	25	16660.080.020
M3X12	100	16660.030.012	M5X16	50	16660.050.016	M8X25	25	16660.080.025
M3X16	100	16660.030.016	M5X20	50	16660.050.020	M8X30	25	16660.080.030
M3X20	100	16660.030.020	M5X25	50	16660.050.025	M8X40	25	16660.080.040
M3X25	100	16660.030.025	M5X30	50	16660.050.030	M8X50	25	16660.080.050
M4X6	50	16660.040.006	M5X40	50	16660.050.040	M10X20	10	16660.100.020
M4X8	50	16660.040.008	M6X10	25	16660.060.010	M10X25	10	16660.100.025
M4X10	50	16660.040.010	M6X12	25	16660.060.012	M10X30	10	16660.100.030
M4X12	50	16660.040.012	M6X16	25	16660.060.016	M10X40	10	16660.100.040
M4X16	50	16660.040.016	M6X20	25	16660.060.020	M10X50	10	16660.100.050
M4X20	50	16660.040.020	M6X25	25	16660.060.025			
M4X25	50	16660.040.025	M6X30	25	16660.060.030			
M4X30	50	16660.040.030	M6X40	25	16660.060.040			
			M6X50	25	16660.060.050			

47490 Knurled thumb screw thin type

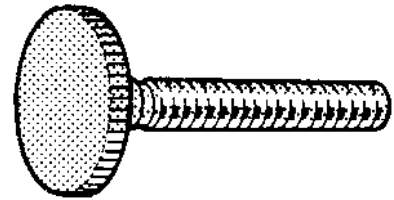
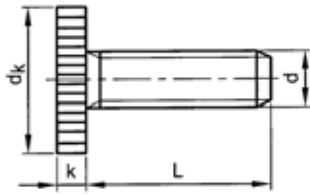
M11D

Thread	Metric thread
Material	Brass Cu3
Packaging	Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M3X6	100	47490.030.006	M4X25	50	47490.040.025	M6X16	25	47490.060.016
M3X8	100	47490.030.008	M5X8	50	47490.050.008	M6X20	25	47490.060.020
M3X10	100	47490.030.010	M5X10	50	47490.050.010	M6X25	25	47490.060.025
M3X12	100	47490.030.012	M5X12	50	47490.050.012	M6X30	25	47490.060.030
M3X16	100	47490.030.016	M5X16	50	47490.050.016	M8X16	25	47490.080.016
M3X20	100	47490.030.020	M5X20	50	47490.050.020	M8X20	25	47490.080.020
M4X8	50	47490.040.008	M5X25	50	47490.050.025	M8X25	25	47490.080.025
M4X10	50	47490.040.010	M5X30	50	47490.050.030	M8X30	25	47490.080.030
M4X12	50	47490.040.012	M6X10	25	47490.060.010	M8X40	25	47490.080.040
M4X16	50	47490.040.016	M6X12	25	47490.060.012			
M4X20	50	47490.040.020						

Knurled thumb screw



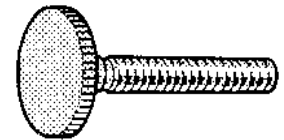
Technical data

	M5	M6	M8
d	M5	M6	M8
P	0,8	1	1,25
d _k	16	16	16
k	3,4	3,4	3,4

56230 Knurled thumb screw plastic

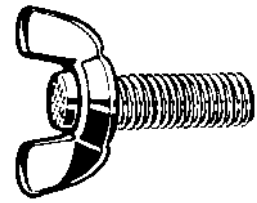
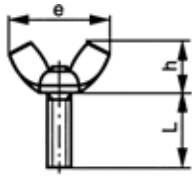
W02A

Thread	Metric thread
Material	Plastic Polyamide (nylon)
Class	PA 6.6
Colour	White
Packaging	Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M5X30	100	56230.050.030	M6X20	50	56230.060.020	M8X16	25	56230.080.016
M6X8	100	56230.060.008	M6X25	50	56230.060.025	M8X20	25	56230.080.020
M6X10	50	56230.060.010	M6X30	50	56230.060.030	M8X25	25	56230.080.025
M6X16	50	56230.060.016						

Wing screw light (American) type



Technical data

d	P	e ≈	h ≈
M4	0,7	22	10,5
M5	0,8	22	10,5
M6	1	26,8	12,9
M8	1,25	30,3	14,8
M10	1,5	35,3	17,3

Article groups

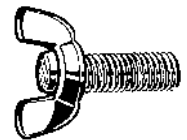
Thread	Driving features	Material	Packaging	Code	Page
M	wing	St.St. A2	Standard	51820	6-174
M	wing	St.St. A4	Standard	55820	6-174

6

51820 Wing screw light (American) type

R09A

Thread Metric thread
Material Stainless steel A2
Packaging Standard

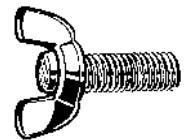


d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M4X16	25	51820.040.016	M6X20	25	51820.060.020	M8X40	10	51820.080.040
M5X10	25	51820.050.010	M6X25	25	51820.060.025	M10X20	10	51820.100.020
M5X15/16	25	51820.050.015	M6X30	25	51820.060.030	M10X25	10	51820.100.025
M5X20	25	51820.050.020	M6X40	25	51820.060.040	M10X30	10	51820.100.030
M5X25	25	51820.050.025	M8X15/16	10	51820.080.015	M10X40	10	51820.100.040
M5X30	25	51820.050.030	M8X20	10	51820.080.020	10X50	10	51820.100.050
M6X10	25	51820.060.010	M8X25	10	51820.080.025			
M6X15/16	25	51820.060.015	M8X30	10	51820.080.030			

55820 Wing screw light (American) type

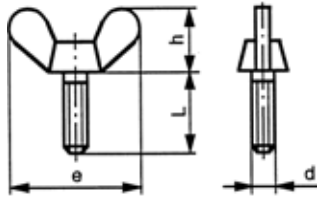
R49A

Thread Metric thread
Material Stainless steel A4
Packaging Standard

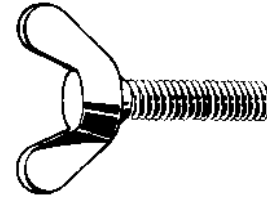


d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M5X10	25	55820.050.010	M6X30	25	55820.060.030	M8X40	10	55820.080.040
M5X15/16	25	55820.050.015	M6X40	25	55820.060.040	M10X20	10	55820.100.020
M6X10	25	55820.060.010	M8X15/16	10	55820.080.015	M10X25	10	55820.100.025
M6X15/16	25	55820.060.015	M8X20	10	55820.080.020	M10X30	10	55820.100.030
M6X20	25	55820.060.020	M8X25	10	55820.080.025	M10X40	10	55820.100.040
M6X25	25	55820.060.025	M8X30	10	55820.080.030			

Wing screw rounded wings



DIN 316
NEN 1624



Technical data

d	P	e (max.)	h (max.)
M4	0,7	20	10,5
M5	0,8	26	13
M6	1	33	17
M8	1,25	39	20
M10	1,5	51	25
M12	1,75	65	33,5
M16	2	73	37,5

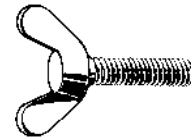
Article groups

Thread	Driving features	Material	Surface treatment	Packaging	Code	Page
M	wing	Cl	Zipl	Standard	16210	6-175
M	wing	Br		Standard	47530	6-175

16210 Wing screw rounded wings

F11G

Thread	Metric thread
Material	Cast iron
Surface treatment	Zinc plated
Packaging	Standard

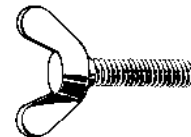


d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M4X10	200	16210.040.010	M6X30	100	16210.060.030	M10X60	20	16210.100.060
M4X16	200	16210.040.016	M6X40	100	16210.060.040	M10X70	20	16210.100.070
M4X20	200	16210.040.020	M6X50	100	16210.060.050	M10X80	20	16210.100.080
M4X25	200	16210.040.025						
M5X10	200	16210.050.010	M8X12	100	16210.080.012	M12X20	20	16210.120.020
M5X16	200	16210.050.016	M8X16	100	16210.080.016	M12X25	20	16210.120.025
M5X20	200	16210.050.020	M8X20	100	16210.080.020	M12X30	20	16210.120.030
M5X25	200	16210.050.025	M8X25	100	16210.080.025	M12X40	20	16210.120.040
M5X30	100	16210.050.030	M8X30	100	16210.080.030	M12X50	20	16210.120.050
M5X35	100	16210.050.035	M8X40	50	16210.080.040	M12X60	20	16210.120.060
M5X40	100	16210.050.040	M8X50	50	16210.080.050	M12X70	20	16210.120.070
M5X50	100	16210.050.050	M8X60	50	16210.080.060	M12X80	20	16210.120.080
M6X10	200	16210.060.010	M10X16	50	16210.100.016	M16X30	10	16210.160.030
M6X12	100	16210.060.012	M10X20	50	16210.100.020	M16X40	10	16210.160.040
M6X16	100	16210.060.016	M10X25	50	16210.100.025	M16X50	10	16210.160.050
M6X20	100	16210.060.020	M10X30	50	16210.100.030	M16X60	10	16210.160.060
M6X25	100	16210.060.025	M10X40	50	16210.100.040			
			M10X50	20	16210.100.050			

47530 Wing screw rounded wings

M11D

Thread	Metric thread
Material	Brass
Packaging	Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M5X12	100	47530.050.012	M6X25	100	47530.060.025	M8X40	25	47530.080.040
M5X16	100	47530.050.016	M6X30	100	47530.060.030	M8X50	25	47530.080.050
M5X20	100	47530.050.020	M6X40	100	47530.060.040			
M5X25	100	47530.050.025						
M5X30	100	47530.050.030	M8X10	50	47530.080.010	M10X20	50	47530.100.020
			M8X12	50	47530.080.012	M10X25	50	47530.100.025
M6X10	100	47530.060.010	M8X16	50	47530.080.016	M10X30	25	47530.100.030
M6X12	100	47530.060.012	M8X20	50	47530.080.020	M10X40	25	47530.100.040
M6X16	100	47530.060.016	M8X25	50	47530.080.025	M10X50	25	47530.100.050
M6X20	100	47530.060.020	M8X30	25	47530.080.030			