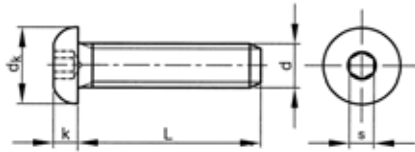
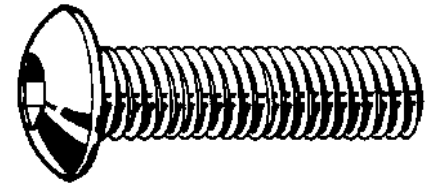


## Hexagon socket button head screw

2



ISO ≈7380  
 ANSI ≈B18.3.4M  
 NF ≈E25-126  
 BS ≈4168-6



### Technical data

d	P	dk (max.)	k (max.)	s	Full thread L ≤
M3	0,5	5,7	1,65	2	12
M4	0,7	7,6	2,2	2,5	16
M5	0,8	9,5	2,75	3	30
M6	1	10,5	3,3	4	30
M8	1,25	14	4,4	5	40
M10	1,5	17,5	5,5	6	40
M12	1,75	21	6,6	8	50
M16	2	28	8,8	10	45

- Due to the unfavourable geometry of the head, these fasteners do have reduced load ability.
- When steel fasteners (e.g. 8.8 / 10.9 / 12.9) with reduced load ability needs to be marked, the marking symbol for the property class is preceded by the digit '0'. So 8.8 → 08.8 and 10.9 → 010.9 and 12.9 → 012.9.
- For the stainless steel fasteners it is indicated by only marking the steel grade and by leaving out the property class 70 (e.g. A2-70 → A2).
- The former and the new indications can occur side by side for some time.

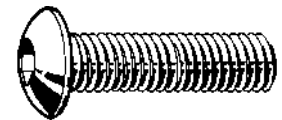
### Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon socket	St	010.9/10.9		Standard	07150	2-40
M	hexagon socket	St	010.9/10.9	Zipl	Standard	07151	2-41
M	hexagon socket	St.St. A2			Standard	51030	2-41
M	hexagon socket	St.St. A4			Standard	55030	2-42

### 07150 Hexagon socket button head screw

D04A

**Thread** Metric thread  
**Material** Steel  
**Class** 010.9/10.9  
**Packaging** Standard



d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M3X6	200	<a href="#">07150.030.006</a>	M5X60	200	<a href="#">07150.050.060</a>	M8X55	200	<a href="#">07150.080.055</a>
M3X8	200	<a href="#">07150.030.008</a>	M5X70	200	<a href="#">07150.050.070</a>	M8X60	200	<a href="#">07150.080.060</a>
M3X10	200	<a href="#">07150.030.010</a>				M8X70	200	<a href="#">07150.080.070</a>
M3X12	200	<a href="#">07150.030.012</a>	M6X6	200	<a href="#">07150.060.006</a>	M8X80	200	<a href="#">07150.080.080</a>
M3X16	200	<a href="#">07150.030.016</a>	M6X8	200	<a href="#">07150.060.008</a>	M8X90	100	<a href="#">07150.080.090</a>
M3X20	200	<a href="#">07150.030.020</a>	M6X10	200	<a href="#">07150.060.010</a>	M8X100	100	<a href="#">07150.080.100</a>
M3X25	200	<a href="#">07150.030.025</a>	M6X12	200	<a href="#">07150.060.012</a>			
M3X30	200	<a href="#">07150.030.030</a>	M6X14	200	<a href="#">07150.060.014</a>	M10X12	200	<a href="#">07150.100.012</a>
			M6X16	200	<a href="#">07150.060.016</a>	M10X16	200	<a href="#">07150.100.016</a>
M4X6	200	<a href="#">07150.040.006</a>	M6X20	200	<a href="#">07150.060.020</a>	M10X20	200	<a href="#">07150.100.020</a>
M4X8	200	<a href="#">07150.040.008</a>	M6X25	200	<a href="#">07150.060.025</a>	M10X25	200	<a href="#">07150.100.025</a>
M4X10	200	<a href="#">07150.040.010</a>	M6X30	200	<a href="#">07150.060.030</a>	M10X30	200	<a href="#">07150.100.030</a>
M4X12	200	<a href="#">07150.040.012</a>	M6X35	200	<a href="#">07150.060.035</a>	M10X35	100	<a href="#">07150.100.035</a>
M4X16	200	<a href="#">07150.040.016</a>	M6X40	200	<a href="#">07150.060.040</a>	M10X40	100	<a href="#">07150.100.040</a>
M4X20	200	<a href="#">07150.040.020</a>	M6X45	200	<a href="#">07150.060.045</a>	M10X45	100	<a href="#">07150.100.045</a>
M4X25	200	<a href="#">07150.040.025</a>	M6X50	200	<a href="#">07150.060.050</a>	M10X50	100	<a href="#">07150.100.050</a>
M4X30	200	<a href="#">07150.040.030</a>	M6X55	200	<a href="#">07150.060.055</a>	M10X55	100	<a href="#">07150.100.055</a>
M4X35	200	<a href="#">07150.040.035</a>	M6X60	200	<a href="#">07150.060.060</a>	M10X60	100	<a href="#">07150.100.060</a>
M4X40	200	<a href="#">07150.040.040</a>	M6X70	200	<a href="#">07150.060.070</a>	M10X70	100	<a href="#">07150.100.070</a>
M4X50	200	<a href="#">07150.040.050</a>				M10X80	100	<a href="#">07150.100.080</a>
			M8X8	200	<a href="#">07150.080.008</a>	M10X90	100	<a href="#">07150.100.090</a>
M5X6	200	<a href="#">07150.050.006</a>	M8X10	200	<a href="#">07150.080.010</a>	M10X100	100	<a href="#">07150.100.100</a>
M5X8	200	<a href="#">07150.050.008</a>	M8X12	200	<a href="#">07150.080.012</a>			
M5X10	200	<a href="#">07150.050.010</a>	M8X14	200	<a href="#">07150.080.014</a>	M12X20	100	<a href="#">07150.120.020</a>
M5X12	200	<a href="#">07150.050.012</a>	M8X16	200	<a href="#">07150.080.016</a>	M12X25	100	<a href="#">07150.120.025</a>
M5X16	200	<a href="#">07150.050.016</a>	M8X18	200	<a href="#">07150.080.018</a>	M12X30	100	<a href="#">07150.120.030</a>
M5X20	200	<a href="#">07150.050.020</a>	M8X20	200	<a href="#">07150.080.020</a>	M12X35	100	<a href="#">07150.120.035</a>
M5X25	200	<a href="#">07150.050.025</a>	M8X25	200	<a href="#">07150.080.025</a>	M12X40	100	<a href="#">07150.120.040</a>
M5X30	200	<a href="#">07150.050.030</a>	M8X30	200	<a href="#">07150.080.030</a>	M12X45	100	<a href="#">07150.120.045</a>
M5X35	200	<a href="#">07150.050.035</a>	M8X35	200	<a href="#">07150.080.035</a>	M12X50	100	<a href="#">07150.120.050</a>
M5X40	200	<a href="#">07150.050.040</a>	M8X40	200	<a href="#">07150.080.040</a>	M12X55	100	<a href="#">07150.120.055</a>
M5X45	200	<a href="#">07150.050.045</a>	M8X45	200	<a href="#">07150.080.045</a>	M12X60	100	<a href="#">07150.120.060</a>
M5X50	200	<a href="#">07150.050.050</a>	M8X50	200	<a href="#">07150.080.050</a>	M12X70	100	<a href="#">07150.120.070</a>

**07150 Hexagon socket button head screw**

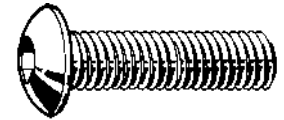
d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M12X80	50	<a href="#">07150.120.080</a>	M16X30	50	<a href="#">07150.160.030</a>	M16X80	25	<a href="#">07150.160.080</a>
M12X90	50	<a href="#">07150.120.090</a>	M16X35	50	<a href="#">07150.160.035</a>			
M12X100	50	<a href="#">07150.120.100</a>	M16X40	50	<a href="#">07150.160.040</a>			
M12X110	50	<a href="#">07150.120.110</a>	M16X45	50	<a href="#">07150.160.045</a>			
M12X120	50	<a href="#">07150.120.120</a>	M16X60	50	<a href="#">07150.160.060</a>			
			M16X70	50	<a href="#">07150.160.070</a>			

• Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

2

**07151 Hexagon socket button head screw** D04A

<b>Thread</b>	Metric thread
<b>Material</b>	Steel
<b>Class</b>	010.9/10.9
<b>Surface treatment</b>	Zinc plated
<b>Packaging</b>	Standard

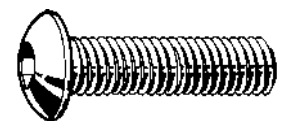


d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
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M3X6	200	<a href="#">07151.030.006</a>	M6X6	200	<a href="#">07151.060.006</a>	M10X16	200	<a href="#">07151.100.016</a>
M3X8	200	<a href="#">07151.030.008</a>	M6X8	200	<a href="#">07151.060.008</a>	M10X20	200	<a href="#">07151.100.020</a>
M3X10	200	<a href="#">07151.030.010</a>	M6X10	200	<a href="#">07151.060.010</a>	M10X25	200	<a href="#">07151.100.025</a>
M3X12	200	<a href="#">07151.030.012</a>	M6X12	200	<a href="#">07151.060.012</a>	M10X30	200	<a href="#">07151.100.030</a>
M3X16	200	<a href="#">07151.030.016</a>	M6X16	200	<a href="#">07151.060.016</a>	M10X35	100	<a href="#">07151.100.035</a>
M3X20	200	<a href="#">07151.030.020</a>	M6X20	200	<a href="#">07151.060.020</a>	M10X40	100	<a href="#">07151.100.040</a>
M3X25	200	<a href="#">07151.030.025</a>	M6X25	200	<a href="#">07151.060.025</a>	M10X45	100	<a href="#">07151.100.045</a>
M3X30	200	<a href="#">07151.030.030</a>	M6X30	200	<a href="#">07151.060.030</a>	M10X50	100	<a href="#">07151.100.050</a>
M4X6	200	<a href="#">07151.040.006</a>	M6X35	200	<a href="#">07151.060.035</a>	M10X55	100	<a href="#">07151.100.055</a>
M4X8	200	<a href="#">07151.040.008</a>	M6X40	200	<a href="#">07151.060.040</a>	M10X60	100	<a href="#">07151.100.060</a>
M4X10	200	<a href="#">07151.040.010</a>	M6X45	200	<a href="#">07151.060.045</a>	M10X70	100	<a href="#">07151.100.070</a>
M4X12	200	<a href="#">07151.040.012</a>	M6X50	200	<a href="#">07151.060.050</a>	M10X80	100	<a href="#">07151.100.080</a>
M4X16	200	<a href="#">07151.040.016</a>	M6X55	200	<a href="#">07151.060.055</a>	M10X90	100	<a href="#">07151.100.090</a>
M4X20	200	<a href="#">07151.040.020</a>	M6X60	200	<a href="#">07151.060.060</a>	M10X100	100	<a href="#">07151.100.100</a>
M4X25	200	<a href="#">07151.040.025</a>	M6X70	200	<a href="#">07151.060.070</a>			
M4X30	200	<a href="#">07151.040.030</a>				M12X16	100	<a href="#">07151.120.016</a>
M4X35	200	<a href="#">07151.040.035</a>	M8X8	200	<a href="#">07151.080.008</a>	M12X20	100	<a href="#">07151.120.020</a>
M4X40	200	<a href="#">07151.040.040</a>	M8X10	200	<a href="#">07151.080.010</a>	M12X25	100	<a href="#">07151.120.025</a>
M4X50	200	<a href="#">07151.040.050</a>	M8X12	200	<a href="#">07151.080.012</a>	M12X30	100	<a href="#">07151.120.030</a>
			M8X16	200	<a href="#">07151.080.016</a>	M12X35	100	<a href="#">07151.120.035</a>
M5X6	200	<a href="#">07151.050.006</a>	M8X20	200	<a href="#">07151.080.020</a>	M12X40	100	<a href="#">07151.120.040</a>
M5X8	200	<a href="#">07151.050.008</a>	M8X25	200	<a href="#">07151.080.025</a>	M12X45	100	<a href="#">07151.120.045</a>
M5X10	200	<a href="#">07151.050.010</a>	M8X30	200	<a href="#">07151.080.030</a>	M12X50	100	<a href="#">07151.120.050</a>
M5X12	200	<a href="#">07151.050.012</a>	M8X35	200	<a href="#">07151.080.035</a>	M12X55	100	<a href="#">07151.120.055</a>
M5X16	200	<a href="#">07151.050.016</a>	M8X40	200	<a href="#">07151.080.040</a>	M12X60	100	<a href="#">07151.120.060</a>
M5X20	200	<a href="#">07151.050.020</a>	M8X45	200	<a href="#">07151.080.045</a>	M12X70	100	<a href="#">07151.120.070</a>
M5X25	200	<a href="#">07151.050.025</a>	M8X50	200	<a href="#">07151.080.050</a>	M12X80	50	<a href="#">07151.120.080</a>
M5X30	200	<a href="#">07151.050.030</a>	M8X55	200	<a href="#">07151.080.055</a>	M12X90	50	<a href="#">07151.120.090</a>
M5X35	200	<a href="#">07151.050.035</a>	M8X60	200	<a href="#">07151.080.060</a>	M12X100	50	<a href="#">07151.120.100</a>
M5X40	200	<a href="#">07151.050.040</a>	M8X70	200	<a href="#">07151.080.070</a>	M12X110	50	<a href="#">07151.120.110</a>
M5X45	200	<a href="#">07151.050.045</a>	M8X80	100	<a href="#">07151.080.080</a>	M12X120	50	<a href="#">07151.120.120</a>
M5X50	200	<a href="#">07151.050.050</a>	M8X90	100	<a href="#">07151.080.090</a>			
M5X60	200	<a href="#">07151.050.060</a>	M8X100	100	<a href="#">07151.080.100</a>			

• Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

**51030 Hexagon socket button head screw** Q05A

<b>Thread</b>	Metric thread
<b>Material</b>	Stainless steel A2
<b>Packaging</b>	Standard



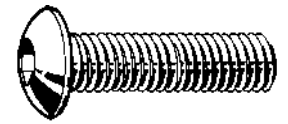
d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M3X4 *	500	<a href="#">51030.030.004</a>	M4X25	50	<a href="#">51030.040.025</a>	M5X55 *	500	<a href="#">51030.050.055</a>
M3X5	50	<a href="#">51030.030.005</a>	M4X30	50	<a href="#">51030.040.030</a>	M5X60 *	200	<a href="#">51030.050.060</a>
M3X6	50	<a href="#">51030.030.006</a>	M4X35	50	<a href="#">51030.040.035</a>			
M3X8	50	<a href="#">51030.030.008</a>	M4X40 *	500	<a href="#">51030.040.040</a>	M6X6	25	<a href="#">51030.060.006</a>
M3X10	50	<a href="#">51030.030.010</a>				M6X8	25	<a href="#">51030.060.008</a>
M3X12	50	<a href="#">51030.030.012</a>	M5X6	50	<a href="#">51030.050.006</a>	M6X10	25	<a href="#">51030.060.010</a>
M3X16	50	<a href="#">51030.030.016</a>	M5X8	50	<a href="#">51030.050.008</a>	M6X12	25	<a href="#">51030.060.012</a>
M3X20	50	<a href="#">51030.030.020</a>	M5X10	50	<a href="#">51030.050.010</a>	M6X14 *	500	<a href="#">51030.060.014</a>
M3X25	50	<a href="#">51030.030.025</a>	M5X12	50	<a href="#">51030.050.012</a>	M6X16	25	<a href="#">51030.060.016</a>
M3X35 *	500	<a href="#">51030.030.035</a>	M5X14 *	500	<a href="#">51030.050.014</a>	M6X20	25	<a href="#">51030.060.020</a>
M3X40 *	500	<a href="#">51030.030.040</a>	M5X16	50	<a href="#">51030.050.016</a>	M6X25	25	<a href="#">51030.060.025</a>
			M5X20	50	<a href="#">51030.050.020</a>	M6X30	25	<a href="#">51030.060.030</a>
M4X6	50	<a href="#">51030.040.006</a>	M5X25	25	<a href="#">51030.050.025</a>	M6X35	25	<a href="#">51030.060.035</a>
M4X8	50	<a href="#">51030.040.008</a>	M5X30	25	<a href="#">51030.050.030</a>	M6X40	25	<a href="#">51030.060.040</a>
M4X10	50	<a href="#">51030.040.010</a>	M5X35	25	<a href="#">51030.050.035</a>	M6X45	25	<a href="#">51030.060.045</a>
M4X12	50	<a href="#">51030.040.012</a>	M5X40	25	<a href="#">51030.050.040</a>	M6X50	25	<a href="#">51030.060.050</a>
M4X16	50	<a href="#">51030.040.016</a>	M5X45	25	<a href="#">51030.050.045</a>	M6X55	25	<a href="#">51030.060.055</a>
M4X20	50	<a href="#">51030.040.020</a>	M5X50	25	<a href="#">51030.050.050</a>	M6X60	25	<a href="#">51030.060.060</a>

**51030 Hexagon socket button head screw**

d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M6X70 *	200	<a href="#">51030.060.070</a>	M8X60	25	<a href="#">51030.080.060</a>	M10X80 *	100	<a href="#">51030.100.080</a>
M6X80 *	200	<a href="#">51030.060.080</a>	M8X80 *	200	<a href="#">51030.080.080</a>			
M8X8	25	<a href="#">51030.080.008</a>	M10X12	25	<a href="#">51030.100.012</a>	M12X20	10	<a href="#">51030.120.020</a>
M8X10	25	<a href="#">51030.080.010</a>	M10X16	25	<a href="#">51030.100.016</a>	M12X25	10	<a href="#">51030.120.025</a>
M8X12	25	<a href="#">51030.080.012</a>	M10X20	25	<a href="#">51030.100.020</a>	M12X30	10	<a href="#">51030.120.030</a>
M8X16	25	<a href="#">51030.080.016</a>	M10X25	25	<a href="#">51030.100.025</a>	M12X35	10	<a href="#">51030.120.035</a>
M8X20	25	<a href="#">51030.080.020</a>	M10X30	25	<a href="#">51030.100.030</a>	M12X40	10	<a href="#">51030.120.040</a>
M8X25	25	<a href="#">51030.080.025</a>	M10X35	25	<a href="#">51030.100.035</a>	M12X45	10	<a href="#">51030.120.045</a>
M8X30	25	<a href="#">51030.080.030</a>	M10X40	25	<a href="#">51030.100.040</a>	M12X50	10	<a href="#">51030.120.050</a>
M8X35	25	<a href="#">51030.080.035</a>	M10X45	10	<a href="#">51030.100.045</a>	M12X55	10	<a href="#">51030.120.055</a>
M8X40	25	<a href="#">51030.080.040</a>	M10X50	10	<a href="#">51030.100.050</a>	M12X60	10	<a href="#">51030.120.060</a>
M8X45	25	<a href="#">51030.080.045</a>	M10X55	10	<a href="#">51030.100.055</a>	M12X70	10	<a href="#">51030.120.070</a>
M8X50	25	<a href="#">51030.080.050</a>	M10X60	10	<a href="#">51030.100.060</a>			
M8X55	25	<a href="#">51030.080.055</a>	M10X70 *	100	<a href="#">51030.100.070</a>			

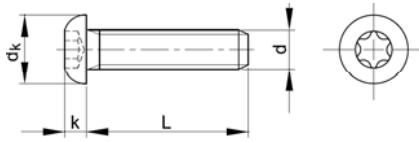
**55030 Hexagon socket button head screw**
**Q45A**

**Thread** Metric thread  
**Material** Stainless steel A4  
**Packaging** Standard

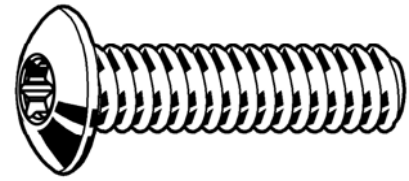


d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M3X5 *	500	<a href="#">55030.030.005</a>	M5X16	50	<a href="#">55030.050.016</a>	M8X16	25	<a href="#">55030.080.016</a>
M3X6	50	<a href="#">55030.030.006</a>	M5X20	50	<a href="#">55030.050.020</a>	M8X20	25	<a href="#">55030.080.020</a>
M3X8	50	<a href="#">55030.030.008</a>	M5X25	25	<a href="#">55030.050.025</a>	M8X25	25	<a href="#">55030.080.025</a>
M3X10	50	<a href="#">55030.030.010</a>	M5X30	25	<a href="#">55030.050.030</a>	M8X30	25	<a href="#">55030.080.030</a>
M3X12	50	<a href="#">55030.030.012</a>	M5X35	25	<a href="#">55030.050.035</a>	M8X35	25	<a href="#">55030.080.035</a>
M3X16	50	<a href="#">55030.030.016</a>	M5X40	25	<a href="#">55030.050.040</a>	M8X40	25	<a href="#">55030.080.040</a>
M3X20	50	<a href="#">55030.030.020</a>	M5X45	25	<a href="#">55030.050.045</a>	M8X45	25	<a href="#">55030.080.045</a>
M3X25	50	<a href="#">55030.030.025</a>	M5X50	25	<a href="#">55030.050.050</a>	M8X50	25	<a href="#">55030.080.050</a>
M3X30 *	500	<a href="#">55030.030.030</a>	M5X60 *	200	<a href="#">55030.050.060</a>	M8X55	25	<a href="#">55030.080.055</a>
M3X40 *	500	<a href="#">55030.030.040</a>				M8X60	25	<a href="#">55030.080.060</a>
M4X6	50	<a href="#">55030.040.006</a>	M6X8	25	<a href="#">55030.060.008</a>	M10X16	25	<a href="#">55030.100.016</a>
M4X8	50	<a href="#">55030.040.008</a>	M6X10	25	<a href="#">55030.060.010</a>	M10X20	25	<a href="#">55030.100.020</a>
M4X10	50	<a href="#">55030.040.010</a>	M6X12	25	<a href="#">55030.060.012</a>	M10X25	25	<a href="#">55030.100.025</a>
M4X12	50	<a href="#">55030.040.012</a>	M6X16	25	<a href="#">55030.060.016</a>	M10X30	25	<a href="#">55030.100.030</a>
M4X16	50	<a href="#">55030.040.016</a>	M6X20	25	<a href="#">55030.060.020</a>	M10X35	25	<a href="#">55030.100.035</a>
M4X20	50	<a href="#">55030.040.020</a>	M6X25	25	<a href="#">55030.060.025</a>	M10X40	25	<a href="#">55030.100.040</a>
M4X25	50	<a href="#">55030.040.025</a>	M6X30	25	<a href="#">55030.060.030</a>	M10X45	10	<a href="#">55030.100.045</a>
M4X30	50	<a href="#">55030.040.030</a>	M6X35	25	<a href="#">55030.060.035</a>	M10X50	10	<a href="#">55030.100.050</a>
M4X35 *	500	<a href="#">55030.040.035</a>	M6X40	25	<a href="#">55030.060.040</a>	M10X55	10	<a href="#">55030.100.055</a>
M4X40 *	500	<a href="#">55030.040.040</a>	M6X45	25	<a href="#">55030.060.045</a>	M10X60	10	<a href="#">55030.100.060</a>
M5X6 *	500	<a href="#">55030.050.006</a>	M6X50	25	<a href="#">55030.060.050</a>	M12X20 *	100	<a href="#">55030.120.020</a>
M5X8	50	<a href="#">55030.050.008</a>	M6X55	25	<a href="#">55030.060.055</a>	M12X60 *	100	<a href="#">55030.120.060</a>
M5X10	50	<a href="#">55030.050.010</a>	M6X60	25	<a href="#">55030.060.060</a>			
M5X12	50	<a href="#">55030.050.012</a>	M8X10	25	<a href="#">55030.080.010</a>			
			M8X12	25	<a href="#">55030.080.012</a>			

## Hexalobular socket button head screw



ISO ≈7380  
ANSI ≈ B18.3.4M  
NF ≈E25-126  
BS ≈4168-6



2

### Technical data

d	M4	M5	M6	M8
P	0,7	0,8	1	1,25
d <sub>k</sub> (max.)	7,6	9,5	10,5	14
k (max.)	2,2	2,75	3,3	4,4
Socket	No.20	No.25	No.30	No.40

- Due to the unfavourable geometry of the head, these fasteners do have reduced load ability.
- When steel fasteners (e.g. 8.8 / 10.9 / 12.9) with reduced load ability needs to be marked, the marking symbol for the property class is preceded by the digit '0'. So 8.8 → 08.8 and 10.9 → 010.9 and 12.9 → 012.9.
- For the stainless steel fasteners it is indicated by only marking the steel grade and by leaving out the property class 70 (e.g. A2-70 → A2).
- The former and the new indications can occur side by side for some time.

### 07290 Hexalobular socket button head screw

D04A

Thread	Metric thread
Material	Steel
Class	010.9/10.9
Surface treatment	Zinc plated
Packaging	Standard

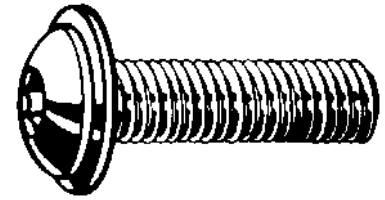
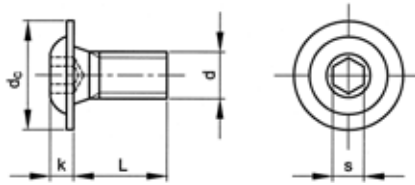


d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M4X10	200	<a href="#">07290.040.010</a>	M5X25	200	<a href="#">07290.050.025</a>	M8X16	200	<a href="#">07290.080.016</a>
M4X12	200	<a href="#">07290.040.012</a>				M8X20	200	<a href="#">07290.080.020</a>
M4X16	200	<a href="#">07290.040.016</a>	M6X10	200	<a href="#">07290.060.010</a>	M8X25	200	<a href="#">07290.080.025</a>
M4X20	200	<a href="#">07290.040.020</a>	M6X12	200	<a href="#">07290.060.012</a>	M8X30	200	<a href="#">07290.080.030</a>
			M6X16	200	<a href="#">07290.060.016</a>	M8X35	200	<a href="#">07290.080.035</a>
M5X10	200	<a href="#">07290.050.010</a>	M6X20	200	<a href="#">07290.060.020</a>	M8X40	200	<a href="#">07290.080.040</a>
M5X12	200	<a href="#">07290.050.012</a>	M6X25	200	<a href="#">07290.060.025</a>			
M5X16	200	<a href="#">07290.050.016</a>						
M5X20	200	<a href="#">07290.050.020</a>	M8X12	200	<a href="#">07290.080.012</a>			

- Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

## Hexagon socket button head screw with flange

2



### Technical data

d	P	d <sub>c</sub> (max.)	k (max.)	s	Full thread L ≤
M3	0,5	6,9	1,65	2	12
M4	0,7	9,4	2,2	2,5	16
M5	0,8	11,8	2,75	3	30
M6	1	13,6	3,3	4	30
M8	1,25	17,8	4,4	5	40
M10	1,5	21,9	5,5	6	40
M12	1,75	24	6,6	8	50

- Due to the unfavourable geometry of the head, these fasteners do have reduced load ability.
- When steel fasteners (e.g. 8.8 / 10.9 / 12.9) with reduced load ability needs to be marked, the marking symbol for the property class is preceded by the digit '0'. So 8.8 → 08.8 and 10.9 → 010.9 and 12.9 → 012.9.
- For the stainless steel fasteners it is indicated by only marking the steel grade and by leaving out the property class 70 (e.g. A2-70 → A2).
- The former and the new indications can occur side by side for some time.

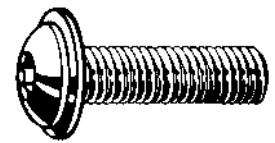
### Article groups

Thread	Driving features	Material	Class	Surface treatment	Packaging	Code	Page
M	hexagon socket	St	010.9/10.9	Zipl	Standard	07141	2-44
M	hexagon socket	St.St. A2			Standard	51028	2-45

#### 07141 Hexagon socket button head screw with flange

D04A

<b>Thread</b>	Metric thread
<b>Material</b>	Steel
<b>Class</b>	010.9/10.9
<b>Surface treatment</b>	Zinc plated
<b>Packaging</b>	Standard

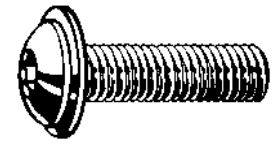


d x L	☒	Art.number	d x L	☒	Art.number	d x L	☒	Art.number
M3X6	200	<a href="#">07141.030.006</a>	M5X25	200	<a href="#">07141.050.025</a>	M8X45	200	<a href="#">07141.080.045</a>
M3X8	200	<a href="#">07141.030.008</a>	M5X30	200	<a href="#">07141.050.030</a>	M8X50	200	<a href="#">07141.080.050</a>
M3X10	200	<a href="#">07141.030.010</a>	M5X40	200	<a href="#">07141.050.040</a>	M8X60	200	<a href="#">07141.080.060</a>
M3X12	200	<a href="#">07141.030.012</a>	M5X45	200	<a href="#">07141.050.045</a>			
M3X16	200	<a href="#">07141.030.016</a>	M5X50	200	<a href="#">07141.050.050</a>			
M3X20	200	<a href="#">07141.030.020</a>				M10X16	200	<a href="#">07141.100.016</a>
M3X25	200	<a href="#">07141.030.025</a>	M6X8	200	<a href="#">07141.060.008</a>	M10X20	200	<a href="#">07141.100.020</a>
M3X30	200	<a href="#">07141.030.030</a>	M6X10	200	<a href="#">07141.060.010</a>	M10X25	200	<a href="#">07141.100.025</a>
			M6X12	200	<a href="#">07141.060.012</a>	M10X30	200	<a href="#">07141.100.030</a>
M4X6	200	<a href="#">07141.040.006</a>	M6X16	200	<a href="#">07141.060.016</a>	M10X35	100	<a href="#">07141.100.035</a>
M4X8	200	<a href="#">07141.040.008</a>	M6X20	200	<a href="#">07141.060.020</a>	M10X40	100	<a href="#">07141.100.040</a>
M4X10	200	<a href="#">07141.040.010</a>	M6X25	200	<a href="#">07141.060.025</a>	M10X45	100	<a href="#">07141.100.045</a>
M4X12	200	<a href="#">07141.040.012</a>	M6X30	200	<a href="#">07141.060.030</a>	M10X50	100	<a href="#">07141.100.050</a>
M4X16	200	<a href="#">07141.040.016</a>	M6X35	200	<a href="#">07141.060.035</a>	M10X60	100	<a href="#">07141.100.060</a>
M4X20	200	<a href="#">07141.040.020</a>	M6X40	200	<a href="#">07141.060.040</a>			
M4X25	200	<a href="#">07141.040.025</a>	M6X50	200	<a href="#">07141.060.050</a>	M12X20	100	<a href="#">07141.120.020</a>
M4X30	200	<a href="#">07141.040.030</a>	M6X60	200	<a href="#">07141.060.060</a>	M12X25	100	<a href="#">07141.120.025</a>
M4X40	200	<a href="#">07141.040.040</a>				M12X30	100	<a href="#">07141.120.030</a>
M4X45	200	<a href="#">07141.040.045</a>	M8X10	200	<a href="#">07141.080.010</a>	M12X35	100	<a href="#">07141.120.035</a>
			M8X12	200	<a href="#">07141.080.012</a>	M12X40	100	<a href="#">07141.120.040</a>
M5X6	200	<a href="#">07141.050.006</a>	M8X16	200	<a href="#">07141.080.016</a>	M12X45	100	<a href="#">07141.120.045</a>
M5X8	200	<a href="#">07141.050.008</a>	M8X20	200	<a href="#">07141.080.020</a>	M12X50	100	<a href="#">07141.120.050</a>
M5X10	200	<a href="#">07141.050.010</a>	M8X25	200	<a href="#">07141.080.025</a>	M12X60	100	<a href="#">07141.120.060</a>
M5X12	200	<a href="#">07141.050.012</a>	M8X30	200	<a href="#">07141.080.030</a>	M12X70	100	<a href="#">07141.120.070</a>
M5X16	200	<a href="#">07141.050.016</a>	M8X35	200	<a href="#">07141.080.035</a>	M12X80	50	<a href="#">07141.120.080</a>
M5X20	200	<a href="#">07141.050.020</a>	M8X40	200	<a href="#">07141.080.040</a>			

- Warning: electro-galvanizing of these products may cause hydrogen embrittlement.

**51028 Hexagon socket button head screw with flange**
**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
M3X6	50	<a href="#">51028.030.006</a>	M5X12	50	<a href="#">51028.050.012</a>	M6X60 *	100	<a href="#">51028.060.060</a>
M3X8	50	<a href="#">51028.030.008</a>	M5X16	50	<a href="#">51028.050.016</a>	M8X10	25	<a href="#">51028.080.010</a>
M3X10	50	<a href="#">51028.030.010</a>	M5X18 *	500	<a href="#">51028.050.018</a>	M8X12	25	<a href="#">51028.080.012</a>
M3X12	50	<a href="#">51028.030.012</a>	M5X20	50	<a href="#">51028.050.020</a>	M8X16	25	<a href="#">51028.080.016</a>
M3X16	50	<a href="#">51028.030.016</a>	M5X22 *	500	<a href="#">51028.050.022</a>	M8X18 *	200	<a href="#">51028.080.018</a>
M3X18 *	500	<a href="#">51028.030.018</a>	M5X25	25	<a href="#">51028.050.025</a>	M8X20	25	<a href="#">51028.080.020</a>
M3X20	50	<a href="#">51028.030.020</a>	M5X30	25	<a href="#">51028.050.030</a>	M8X25	25	<a href="#">51028.080.025</a>
M3X22 *	500	<a href="#">51028.030.022</a>	M5X35 *	200	<a href="#">51028.050.035</a>	M8X30	25	<a href="#">51028.080.030</a>
M3X25 *	500	<a href="#">51028.030.025</a>	M5X40 *	200	<a href="#">51028.050.040</a>	M8X35	25	<a href="#">51028.080.035</a>
M4X6	50	<a href="#">51028.040.006</a>	M6X8	25	<a href="#">51028.060.008</a>	M8X40	25	<a href="#">51028.080.040</a>
M4X8	50	<a href="#">51028.040.008</a>	M6X10	25	<a href="#">51028.060.010</a>	M8X45 *	100	<a href="#">51028.080.045</a>
M4X10	50	<a href="#">51028.040.010</a>	M6X12	25	<a href="#">51028.060.012</a>	M8X50 *	100	<a href="#">51028.080.050</a>
M4X12	50	<a href="#">51028.040.012</a>	M6X16	25	<a href="#">51028.060.016</a>	M10X16	25	<a href="#">51028.100.016</a>
M4X14 *	500	<a href="#">51028.040.014</a>	M6X18 *	200	<a href="#">51028.060.018</a>	M10X20	25	<a href="#">51028.100.020</a>
M4X16	50	<a href="#">51028.040.016</a>	M6X20	25	<a href="#">51028.060.020</a>	M10X25	25	<a href="#">51028.100.025</a>
M4X20	50	<a href="#">51028.040.020</a>	M6X22 *	200	<a href="#">51028.060.022</a>	M10X30	10	<a href="#">51028.100.030</a>
M4X22 *	500	<a href="#">51028.040.022</a>	M6X25	25	<a href="#">51028.060.025</a>	M10X35	10	<a href="#">51028.100.035</a>
M4X25	50	<a href="#">51028.040.025</a>	M6X30	25	<a href="#">51028.060.030</a>	M10X40	10	<a href="#">51028.100.040</a>
M4X30	50	<a href="#">51028.040.030</a>	M6X35	25	<a href="#">51028.060.035</a>	M10X45 *	100	<a href="#">51028.100.045</a>
M5X5 *	500	<a href="#">51028.050.005</a>	M6X40	25	<a href="#">51028.060.040</a>	M10X50 *	50	<a href="#">51028.100.050</a>
M5X8	50	<a href="#">51028.050.008</a>	M6X45 *	100	<a href="#">51028.060.045</a>			
M5X10	50	<a href="#">51028.050.010</a>	M6X50 *	100	<a href="#">51028.060.050</a>			
			M6X55 *	100	<a href="#">51028.060.055</a>			