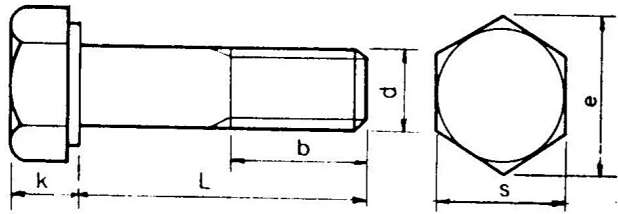


# Hexagon head bolt partially threaded

Steel 5.6, 8.8, 10.9



DIN 931 big diameters  
ISO 4014

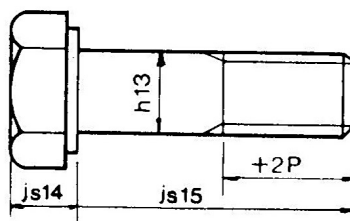
### Designation :

hexagon head bolt,  $\varnothing$  30 mm, normal metric thread and 100 mm length L under the head, partially threaded = DIN 931 M30 x 100.

d	(M27)	M30	(M33)	M36	(M39)	M42	(M45)	M48
s	41	46	50	55	60	65	70	75
e	45,63	51,28	55,80	61,31	66,96	72,61	78,26	83,91
k	17	19	21	23	25	26	28	30
b	x	60	66	72	78	84	96	102
	y	66	72	78	84	90	102	108
	z	79	85	91	97	103	115	121
L mm	<b>Weights in kg per 1000 pieces</b>							
X	80	511						
	90	557	712					
	100	603	767	951				
	110	650	823	1020	1250	1510		
Y	120	695	880	1090	1330	1590	1900	2260
	130	720	920	1150	1400	1650	1980	2350
	140	765	975	1220	1480	1740	2090	2480
	150	810	1030	1290	1560	1830	2200	2600
	160	855	1090	1350	1640	1930	2310	2730
	180	945	1200	1480	1900	2120	2520	2980
Z	200	1030	1310	1610	2060	2310	2740	3220
	220	1130	1420	1750	2220	2500	2960	3470
	240		1530	1880	2380	2700	3180	3720
	260		1640	2020	2540	2900	3400	3970
	280		1750	2160	2700	3100	3620	4220
	300		1860	2300	2860	3300	3840	4470
<b>Packaging</b>								

### Execution :

B (formerly mg) as per DIN 267/2

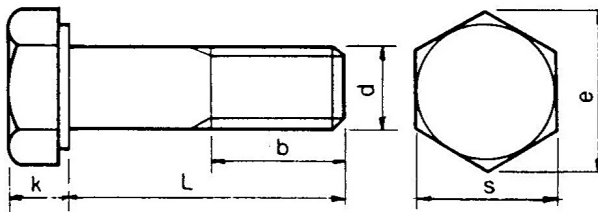


### Thread :

according to DIN 13 - tolerance class 6 g.

Concern : DIN 931 (hexagon bolt not fully threaded). Product class A and B (Edit. 9/87).

This standard remains valid up to 30/6/1992. From 1/7/1992 onwards, it will be replaced by ISO 4014 (1979) stating namely the new key-width values : 16, 18, 21 and 34 respectively for  $\varnothing$  M10, M12, M14 and M22. This also applies to DIN 933 (ISO 4017), DIN 960 and DIN 961, as well as to DIN 601 (ISO 4016) and DIN 558 (ISO 4018), i.e. to hexagon bolts and screws "common" class C (M10 and M12 only).



# Hexagon head bolt partially threaded

Steel 5.6 - 8.8 - 10.9

**DIN 931 (great lengths)  
ISO 4014**

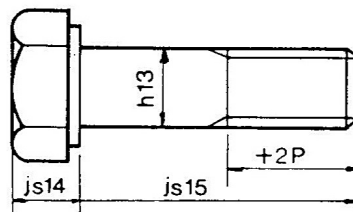
**Designation :**

hexagon head bolt,  $\varnothing$  12 mm, normal metric thread and 200 mm length L under head, partially threaded =  
DIN 931 M12 x 200.

d	M12	M14	M16	M18	M20	M22	M24	
s	19	22	24	27	30	32	36	
e	21,10	24,49	26,75	30,14	33,53	35,72	39,98	
k	8	9	10	12	13	14	15	
b	x	36	40	44	48	52	56	60
	y	49	53	57	61	65	69	73
L mm	<b>Weights in kg per 1000 pieces</b>							
160	153	211	278	355	447	540	665	
170	162	223	294	375	470	570	700	
180	171	235	310	395	495	600	735	
190	180	247	326	415	520	630	770	
200	189	260	342	435	545	660	805	
210	198	273	358	455	570	690	870	
220	207	286	374	475	590	720		
230			390	495	615	750	905	
240			406	515	640	780	940	
250			422	535	665	810	975	
260			438	555	690	840	1010	
280						900	1080	
300						960	1150	
320						1020	1270	
340						1080	1340	
350						1110	1375	
360						1140	1410	
<b>Packaging</b>	<b>25 / 10</b>							

**Execution :**

B (formerly mg) as per DIN 267/2



**Thread :**

according to DIN 13 - tolerance class 6 g.

Concern : **DIN 931** (hexagon bolt not fully threaded). Product class A and B (Edit. 9/87).

This standard remains valid up to 30/6/1992. From 1/7/1992 onwards, it will be replaced by ISO 4014 (1979) stating namely the new key-width values : 16, 18, 21 and 34 respectively for  $\varnothing$  M10, M12, M14 and M22. This also applies to DIN 933 (ISO 4017), DIN 960 and DIN 961, as well as to DIN 601 (ISO 4016) and DIN 558 (ISO 4018), i.e. to hexagon bolts and screws "common" class C (M10 and M12 only).

