

## DECLARATION OF PERFORMANCE

1. Description and determination of product:

**Hexagon Head Bolt DIN 933, BL 10.9**

2. Application:

the bolts are used during the manufacturing or for the repair of machinery and its equipment for attaching elements and structures in a set with other fasteners.

3. Name, registered trade name or registered trademark and contact address:

**KAM-04 Ltd.**

176, Brezovsko Shousse str., 4003 Plovdiv, Bulgaria

**Trade mark**

**kamfix**

4. System or systems for assessment and verification of constancy of performance.

System 2+

5. Declared performance indicators:



**Hexagon Head Bolt DIN 933, BL 10.9**

Main indicators	Performance indicator				Technical specifications
1. Sizes					sizes DIN 933  thread DIN 13, part 12 ISO 965/1-1980
<b>d x L /mm/</b>	<b>k /mm/</b>	<b>s /mm/</b>	<b>e min /mm/</b>	<b>thread pitch /mm/</b>	
<b>M5xL</b>	3.35 – 3.65	7.78 – 8.00	8.79	0.8	
<b>M6xL</b>	3.85 – 4.15	9.78 – 10.00	11.05	1.0	
<b>M8xL</b>	5.15 – 5.45	12.73 – 13.00	14.38	1.25	
<b>M10xL</b>	6.22 – 6.56	16.73 – 17.00	18.90	1.5	
<b>M12xL</b>	7.32 – 7.68	18.67 – 19.00	21.10	1.75	
<b>M14xL</b>	8.62 – 8.98	21.67 – 22.00	24.49	2.0	
<b>M16xL</b>	9.82 – 10.20	23.67 – 24.00	26.75	2.0	
<b>M18xL</b>	11.30 – 11.70	26.16 – 27.00	29.56	2.5	
<b>M20xL</b>	12.30 – 12.70	29.16 – 30.00	32.95	2.5	
<b>M22xL</b>	13.78 – 14.22	31.61 – 32.00	35.72	2.5	
<b>M24xL</b>	14.8 – 15.20	35.00 – 36.00	39.55	3	
<b>M27xL</b>	16.70 – 17.40	40.00 – 41.00	45.20	3	
<b>M30xL</b>	18.28 – 19.12	45.00 – 46.00	50.85	3.5	
<b>M36xL</b>	22.58 – 23.42	53.80 – 55.00	60.79	4.0	
2. Grade	10.9				ISO 898-1:2013
3. Durability					ISO 4042:1999

6. The performance of the product identified in p.1 corresponds to the declared performance in p.5

7. The current Declaration of Performance is issued entirely under the responsibility of the company indicated in p.3 on the basis of a declaration of the manufacturer /supplier/.



Date: 21.04.2015

Place: Plovdiv

KAM-04 Ltd: .....

/ Product Manager /