

The English version is a translation, in case of dispute the original German version will govern.

1. Introduction

The respective production documents (drawing and bill of materials) specify which fastening elements are to be used. With the availability of fastening elements according to KMW-Factory standard WN1-1 to WN1-8, not all bill of materials can be converted to the new WN1 fastening elements. For bill of materials that were released before the WN1 was created, this appendix controls the automatic replacement of DIN EN ISO 4042: 2001-01 standard parts.

All remaining fasteners that are not included in the following table are categorically barred from automatic replacement. An application for a construction deviation according to KMW quality assurance condition QS-0003 is required.

2. Recoding according to WN1

The following table permits the recoding of galvanic coatings according to DIN EN ISO 4042:2001-01 into coding according to WN1. This table only applies to fasteners of quality 08.8, 8.8 and 8.

pitch	metric thread	fine thread	DIN EN ISO 4042:2001-01	according to WN1 [DIN EN ISO 4042:2018-11]
0,25	M1 M1,2	M1,4 to M10	A1*, A2*	WN1-6 [ISO4042/Zn3/An/T0]
3	M1,4	-	A1*, A2*	WN1-6 [ISO4042/Zn3/An/T0]
0,35	M1,6 M1,8	M2 to M50	A1*, A2*	WN1-6 [ISO4042/Zn3/An/T0]
0,4	M2	-	A1*, A2*	WN1-6 [ISO4042/Zn3/An/T0]
0,45	M2,5	-	A1*, A2*	WN1-6 [ISO4042/Zn3/An/T0]
0,5	M3	M4 to M22	A2*	WN1-1 [ISO4042/ZnNi5/Fn/T2(μ0,12-0,18)]
0,6	M3,5	-	A2*	WN1-1 [ISO4042/ZnNi5/Fn/T2(μ0,12-0,18)]
0,7	M4	-	A2*	WN1-1 [ISO4042/ZnNi5/Fn/T2(μ0,12-0,18)]
0,75	M4,5	M6 to M33	A2*	WN1-1 [ISO4042/ZnNi5/Fn/T2(μ0,12-0,18)]
0,8	M5	-	A2*	WN1-1 [ISO4042/ZnNi5/Fn/T2(μ0,12-0,18)]
1	M6	M8 to M80	A2*	WN1-1 [ISO4042/ZnNi5/Fn/T2(μ0,12-0,18)]
1,25	M8	M10, M12	A2*	WN1-1 [ISO4042/ZnNi5/Fn/T2(μ0,12-0,18)]
1,5	M10	M12 to M150	A3*	WN1-2 [ISO4042/ZnNi8/Fn/T2(μ0,12-0,18)]
1,75	M12	-	A3*	WN1-2 [ISO4042/ZnNi8/Fn/T2(μ0,12-0,18)]
2	M14 M16	M18 to M200	A3*	WN1-2 [ISO4042/ZnNi8/Fn/T2(μ0,12-0,18)]
2,5	M18 M20 M22	-	A3*	WN1-2 [ISO4042/ZnNi8/Fn/T2(μ0,12-0,18)]
3	M24 M27	M30 to M300	A3*	WN1-2 [ISO4042/ZnNi8/Fn/T2(μ0,12-0,18)]
3,5	M30 M33	-	A3*	WN1-2 [ISO4042/ZnNi8/Fn/T2(μ0,12-0,18)]
4	M36 M39	M42 to M300	A3*	WN1-2 [ISO4042/ZnNi8/Fn/T2(μ0,12-0,18)]
4,5	M42	-	A3*	WN1-2 [ISO4042/ZnNi8/Fn/T2(μ0,12-0,18)]
5	M48	-	A3*	WN1-2 [ISO4042/ZnNi8/Fn/T2(μ0,12-0,18)]
5,5	M56	-	A3*	WN1-2 [ISO4042/ZnNi8/Fn/T2(μ0,12-0,18)]
6	M64	M70 to M300	A3*	WN1-2 [ISO4042/ZnNi8/Fn/T2(μ0,12-0,18)]

Annotation: make sure that all fastening elements involved (such as screws, washers, and nuts) have the same plating.

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3. Fastening elements according to WN1-4 and WN1-5

Fasteners according to WN1-4 and WN1-5 are equally permitted plating's in accordance with DIN EN ISO 10683:2018-11 as well as VDA235-104:2013-07. Both standards include an identical zinc flake coating system.

The equally is effective if the quality assurance conditions according to VDA235-104:2013-07 in every case is observed. Any deviation from quality characteristics must reported in accordance with the KMW quality assurance conditions QS-0003