



# NORDIC FASTENING GROUP AB



18  
0045/CPR/2271

EN 15048-1:2007

Tillverkare/Manufacturer <b>Nordic Fastening Group AB</b> <b>Rattgatan 15</b> <b>442 40 KUNGÄLV</b> <b>SVERIGE</b>	Datum/Date <b>20191114</b>	Cert nr/Cert No. <b>2019110190-01</b>
	Prod ordernr/Production Order No. <b>28176</b>	
	Ref. Standard <b>EN ISO 15048-1:2016</b>	

art nr/part No. <b>11901600700205</b>	Part name/specification: <b>M16xP2.00x70</b> Märkning / Head Mark : <b>90777 8.8U SB L SK</b>
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## INSPECTION CERTIFICATE EN 10204 - 3.1

We hereby certify that the nuts/screws in question are made acc to product standard: **ISO 4014 / ISO 4032**

Mechanical properties: **EN ISO 898-1/ EN ISO 898-2**

Thread tolerance: **6g/6H**

Undersize acc to: **ISO 965-4**

Hot dip galv acc to: **ISO 10684**

Använt material/Supplied material Bolt: <b>10B33M</b> Nut: <b>SAE1022</b>	Assembly lot no <b>A9077700405-11</b>
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## MATERIALANALYS / CHEMICAL COMPOSTION According to EN ISO 898-1 8.8

Name and Charge nr	C	Si	Mn	P	S	Cr	B	Ni	Al
Heat no.	<b>KN084</b>								
Skruv / Bolts	<b>0,33</b>	<b>0,2</b>	<b>0,88</b>	<b>0,014</b>	<b>0,003</b>	<b>0,13</b>	<b>0,002</b>	<b>0,01</b>	<b>0,048</b>
Analyskrav	Min	<b>0,15</b>							
	Max	<b>0,4</b>			<b>0,025</b>	<b>0,025</b>	<b>0,003</b>		
Heat no.	<b>3EB59</b>								
Mutter / nut	<b>0,2</b>	<b>0,07</b>	<b>0,78</b>	<b>0,02</b>	<b>0,005</b>	<b>0,03</b>	<b>0,0002</b>	<b>0,02</b>	<b>0,051</b>
Analyskrav	Min		<b>0,25</b>						
	Max	<b>0,58</b>			<b>0,06</b>	<b>0,015</b>			

## VÄRMEBEHANDLING / HEAT TREATMENT

**Quenched and tempered**

## MEKANISKA EGENSKAPER / MECHANICAL PROPERTIES

Prov på färdig produkt/ test on manufactured product	Krav/specification	Prover/test		Antal provat/ No of samples	Notering/Note
		Min	Max		
Zn belägg/Zn coating µm	<b>50</b>		<b>59,3</b>	<b>59,3</b>	<b>16</b>
Brottkraft /Breaking load kN	<b>830</b>		<b>960</b>	<b>985</b>	<b>5</b>
Brottgräns /Tensile strength N/mm <sup>2</sup>	<b>130</b>		<b>150</b>	<b>153</b>	<b>5</b>
Slagseghet/Impact strength -20°C	<b>27</b>		<b>120</b>	<b>126</b>	<b>3</b>
Samprovning enl EN 15048-2:2016 Suitability test acc EN 15048-2:2016	<b>70</b>		<b>85,84</b>	<b>86,67</b>	<b>5</b>

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