



## FQC REPORT

**Manufacturer: Himalaya Fastneres**

**PO No.: 3/2019**

**Description: Self drilling screw Indented Flange HEX**

**Size: # 12- 14 \* 25 mm**

**Issue date: 3/2020**

**Drawing No.: 3C2-093-A**

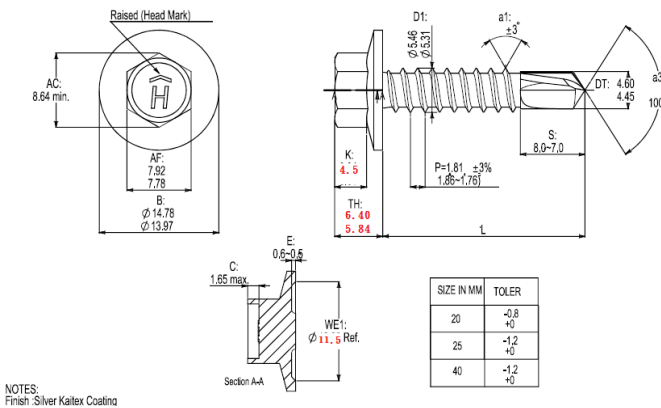
**Quantity: .....**

### Material Composition

Chemical Composition (%)								
C	Mn	Si	Cr	S	P	B	Mo	N
0.18	0.80	0.30	0.10	0.03	0.03	0.0005	0.018	0.030
Nb	Ti							
0.0010	0.0020							

Mechanical specification	As per AS 4291 or equivalent
Dimensional Specification	As per 3566-2002 or equivalent
Corrosion resistance specification	As per 3566.2 – 2002 or equivalent

### Technical Diagram



Continued

## Dimension

	Hex Height	Head High	Washer DIA	Across corners	Across Flats	Drill Dia	Drill Length	Length	Pitch	Major Dia
<b>Unit</b>	MM	MM	MM	MM	MM	MM	MM	MM	MM	MM
<b>Sampling</b>	10	10	10	10	10	10	10	10	10	10
<b>Lower</b>	3.61	5.08	13.97	8.64	7.78	4.45	7.00	24.20	1.76	5.31
<b>Upper</b>	3.94	5.92	14.78	min	7.92	4.60	8.00	25.00	1.86	5.46
<b>Sample 1</b>	3.63	5.63	14.29	8.94	7.80	4.55	7.44	24.90	1.80	5.39
<b>Sample 2</b>	3.75	5.75	14.34	8.96	7.96	4.59	7.48	24.96	1.83	5.41
<b>Sample 3</b>	3.78	5.78	14.37	8.82	7.82	4.57	7.56	24.98	1.84	5.42
<b>Sample 4</b>	3.82	5.77	14.35	8.86	7.87	4.56	7.53	24.97	1.85	5.43
<b>Sample 5</b>	3.81	5.75	14.38	8.83	7.83	4.57	7.51	24.98	1.86	5.46
<b>Sample 6</b>	3.83	5.82	14.32	8.85	7.89	4.58	7.58	24.99	1.87	5.43
<b>Sample 7</b>	3.78	5.85	14.25	8.88	7.82	4.59	7.60	24.92	1.81	5.42
<b>Sample 8</b>	3.78	5.83	14.32	8.91	7.88	4.58	7.58	24.95	1.82	5.39
<b>Sample 9</b>	3.81	5.84	14.36	8.92	7.96	4.57	7.56	24.96	1.86	5.40
<b>Sample 10</b>	3.83	5.86	14.37	9.89	7.83	4.58	7.57	24.97	1.84	5.42

## Mechanical Finish

	Surface Hardness	Case Depth	Torque	Core hardness	Plating Thickness	Drilling Time	Coating Thickness
<b>Unit</b>	HV	MM	N	HV	Micron	sec	Micron
<b>Sampling</b>	2	2	2	2	2	2	2
<b>Lower</b>	560.00	0.10	10.00	240.00	3.00	Max	15.00
<b>Upper</b>	Min	0.23	Min	425.00	Min	11.00	Min
<b>Sample 1</b>	624.00	0.16	13.95	417.00	5.00	4.67	17.00
<b>Sample 2</b>	610.00	0.15	14.16	415.00	4.00	2.98	18.00
<b>Sample 3</b>	612.00	0.15	14.21	416.00	4.50	3.20	19.00
<b>Sample 4</b>	615.00	0.17	14.18	418.00	4.60	3.25	21.00
<b>Sample 5</b>	618.00	0.18	14.23	416.00	4.90	2.95	19.00
<b>Sample 6</b>	621.00	0.15	14.15	419.00	4.95	2.98	21.00
<b>Sample 7</b>	619.00	0.16	14.16	421.00	4.85	3.00	23.00
<b>Sample 8</b>	621.00	0.18	14.21	423.00	4.90	2.96	24.00
<b>Sample 9</b>	622.00	0.17	14.23	419.00	4.95	2.82	19.00
<b>Sample 10</b>	623.00	0.19	14.21	424.00	4.90	2.86	23.00

Quality Assurance

For Himalaya Fastners