

## Test Report

No. : TC/MTH/2023003

Date: 01 Nov 2023

Page: 1/7

Customer company name: COMERCIALIZADORA MINTECH SPA  
Av. La Dehesa 1822,Oficina  
605, Lo Barnechea, Santiago- Chile  
TEL:+56 2 22417203

Invoice Number: CI/MTH/2023003

Order Number: 00855-23

Commodity Name:

SDA Bolt T40/16 L=3M Anti-rusty Oil	1000 PCS
Anchor Nut T40/16/SW65/L50mm Domed (HDG to ISO 1461 standard) Machined	500 PCS
Anchor Coupling T40/16/D57/L140mm (HDG to ISO 1461 standard) Machined	1000 PCS
Steel button bit T40/D90mm Painting ES Casting	500 PCS
TC button bit T40/D90mm Painting ESS Machined	200 PCS

Produlom  
Certificados de Calidad

## ANCHOR BAR

No. : TC/MTH/2023003

Date: 01 Nov 2023

Page: 2/7

Product Specification: SDA Bolt T40/16 L=3M Anti-rusty Oil 1000 PCS  
 Sample Batch Number: 1016-HY-231016-5#-T40/16-3m  
 Furnace Number: B2-2310021  
 Steel type: 40Cr

### **Pulling Test**

PC Metal Material Test Hydraulic Machine with screen, capacity  $\leq 2,000$  kN  
 Test Standard: ISO 6892 1:2016 A224/ ASTM 370

#### Test Data

Specimen No.	1	Standard	Qualified (Yes/ No)
Ultimate load capacity (kN)	778.71	$\geq 660$	Yes
Yield load capacity (kN)	666.62	$\geq 525$	Yes
Load strength (MPa) Rm	834	---	---
Yield strength (MPa) Rp	714	---	---
Elongation rate (A100)	16.0	$\geq 6.0\%$	Yes

**ANCHOR BAR**

No. : TC/MTH/2023003

Date: 01 Nov 2023

Page: 3/7

Product Specification: SDA Bolt T40/16 L=3M Anti-rusty Oil 1000 PCS

Sample Batch Number: 1016-HY-231016-5#-T40/16-3m

Steel type: 40Cr

**Chemical Compositions**

	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)
Test1	0.40	0.22	0.64	0.018	0.004	0.87
Standard	0.37-0.44	0.17-0.37	0.50-0.80	0-0.035	0-0.035	0.8-1.10
Qualified (Yes/ No)	Yes	Yes	Yes	Yes	Yes	Yes

Up to EN10210 grade or up to ISO 683 grade or up to EN10083

**Dimensions**

Specimen	Thread		Diameter (mm)	Unit weight (kg)	Length (m)	Cross sectional area	Left/ right handed	End machined	Straigh-tness test
	Inside diameter	Pitch, height & profile							
Test1	Passed	Passed	D40.77	7.33	3	933.7	Left	Yes	Passed

O.D. thread tolerance up to: R thread ISO 10208/ISO 1720 /T thread plant standard  
 Thread pitch, height & profile: tested by calibrator + thread module



## HDG ANCHOR NUT

No. : TC/MTH/2023003

Date: 01 Nov 2023

Page: 4/7

Product Specification: Anchor Nut T40/16/SW65/L50mm Domed (HDG to ISO 1461 500 PCS standard) Machined

Sample Batch Number: MTH-2023003

Steel type: Q355B

### Hardness Test

HR 150A Rockwell hardness tester

Test Data

Specimen No.	1	standard	Qualified (Yes/ No)
Hardness (HRC)	28	20-30	Yes

### Chemical Compositions

	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)
Test1	0.11	0.17	1.1	0.010	0.020	0.1
Standard	0-0.22	0-0.55	0-1.70	0-0.035	0-0.035	0-0.3
Qualified (Yes/ No)	Yes	Yes	Yes	Yes	Yes	Yes

Up to EN10210 grade or up to ISO 683 grade or up to EN10083

### Dimensions

Specimen	Thread		Key size	Unit weight (kg)	Length (mm)	Left/ right handed	Domed/ Hex	Color
	Inside diameter	Pitch, height & profile						
Test1	Passed	Passed	65	0.87	50.3	Left	Domed	Galvanized

I.D. thread tolerance up to: R thread ISO 10208/ISO 1720 /T thread plant standard

Thread pitch, height &amp; profile: tested by calibrator + thread module

**HDG ANCHOR COUPLER**

No. : TC/MTH/2023003

Date: 01 Nov 2023

Page: 5/7

Product Specification: Anchor Coupling T40/16/D57/L140mm (HDG to ISO 1461 standard) Machined 1000 PCS

Sample Batch Number: MTH-2023003

Steel type: Q355B

**Hardness Test**

HR 150A Rockwell hardness tester

Test Data

Specimen No.	1	standard	Qualified (Yes/ No)
Hardness (HRC)	27	20-30	Yes

**Chemical Compositions**

	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)
Test1	0.13	0.37	0.7	0.018	0.011	0.2
Standard	0-0.22	0-0.55	0-1.70	0-0.035	0-0.035	0-0.3
Qualified (Yes/ No)	Yes	Yes	Yes	Yes	Yes	Yes

Up to EN10210 grade or up to ISO 683 grade or up to EN10083

**Dimensions**

Specimen	Thread		Diameter (mm)	Unit weight (kg)	Length (mm)	Left/ right handed	Color	With mid stoppage (Yes/ No)
	Inside diameter	Pitch, height & profile						
Test1	Passed	Passed	D57	1.34	140.2	Left	Galvanized	Yes

I.D. thread tolerance up to: R thread ISO 10208/ISO 1720 /T thread plant standard  
 Thread pitch, height & profile: tested by calibrator + thread module

