

	QUALITY MANAGEMENT SYSTEM	Ref:	QASP-065-MSD
		Issue:	01
	TECHNICAL DATA SHEET	Date:	2025.07.04
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	DIN 976 THREADED ROD	Rev no:	01

01. Product Type:

1.1. All Threaded Rod

02. Material Properties:

Element	ISO 898-1 GR 4.8	ISO 3506-1 A2
Carbon	0.55% Max	0.1% Max
Silicon	-	0.1% Max
Manganese	-	2.0% Max
Phosphorus	0.05% Max	0.05% Max
Sulfur	0.06% Max	0.03% Max
Chromium	-	15% - 20 %
Nickel	-	8% - 19%

03. Mechanical Properties:

Property	ISO 898-1 GR 4.8		ISO 3506-1 A2	
	Min	Max	Min	Max
Tensile Strength (MPa)	420	-	700	-
Yield Strength (MPa)	320	-	450	-
Hardness (HRB)	71	95	-	-
Hardness (HV)	130	220	-	-

04. Finishing:

a. Non-Plated for Steel A2

b. Zinc Plating in accordance with ISO4041, Fe/Zn for steel GR 4.8

Coating Parameter	Minimum Requirement
Coating Thickness	5µm
Salt Spray Hours	72 Hrs

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05. Dimension

5.1 Thread Profile

Dimension Tolerances are in accordance with DIN976-1 :2016 – Tolerance 6g

Size	Pitch	Major Diameter (mm)		Minor Diameter (mm)		Pitch Diameter (MM)		Thread Type
		Min	Max	Min	Max	Min	Max	
M5	0.8	4.826	4.976	3.868	4.11	4.361	4.456	Coarser Thread
M6	1	5.794	5.974	4.596	4.891	5.212	5.324	Coarser Thread
M8	1.25	7.76	7.972	6.272	6.619	7.042	7.16	Coarser Thread
M10	1.5	9.732	9.968	7.938	8.344	8.862	8.994	Coarser Thread
M12	1.75	11.701	11.966	9.601	10.071	10.679	10.829	Coarser Thread
M14	2	13.682	13.962	11.271	11.797	12.502	12.663	Coarser Thread
M16	2	15.682	15.962	13.271	13.797	14.503	14.663	Coarser Thread

5.2 Length

Dimension Tolerances are in accordance with DIN976-1 :2016

Nominal Length mm	Tolerance mm
1000	±3
2000	±6
3000	±6