

C. ADAMS & SONS LIMITED
CERTIFICATE OF INSPECTION

Certificate No: 202404030966

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Customer:			
Commodity:	DIN976-8.8 THREADED RODS ZINC PLATED		
Size:	M20X330	Country of Origin	UK
Grade:	8.8	Invoice No.:	
Marked:	8.8	Lot No.:	WW0013703
Surface finished:	ZP	Order No.:	
Quantity:		Date:	03/04/2024

Percentage Composition Of Chemicals							
Material	Heat No.	C	Si	Mn	S	P	
45	G331000223	0.440	0.210	0.640	0.003	0.015	

Dimensions to: DIN976-1-2002						
Inspection Items	Sample	Standard		Test Result		Remarks
		Min.	Max.	Min.	Max.	
Nominal lengths	13	328.5	331.5	329.4	329.9	PASS
Thread diameter	13	19.623	19.958	19.76	19.78	PASS
Threads	13	6h		go gauge		PASS
		6g		no gauge		PASS

Mechanical Properties: ISO898-1-2013						
Inspection Items	Sample	Standard		Test Result		Remarks
		Min.	Max.	Min.	Max.	
Elongation [A/%]	3	12	/	22	25	PASS
Hardness [HRC]	3	23	34	27	30	PASS
Tensile strength [Rm/MPa]	3	830	/	930	950	PASS
Yield strength [Rp0.2/MPa]	3	660	/	910	915	PASS
Reduction [Z/%]	3	52	/	55	57	PASS

Surface Finish: ENISO4042-2000							
Surface Finished:	Thickness	Sample	Standard		Test Result		Remarks
			Min.	Max.	Min.	Max.	
ZP	um	3	3		OK		PASS

Inspection certificate to EN10204-3.1.

The product described above has been tested and complies with the terms/conditions of the order

Quality Control Department:



C. ADAMS & SONS LIMITED
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Certificate No: 202405110973

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Customer:			
Commodity:	DIN976-8.8 THREADED RODS GALVANIZED		
Size:	M24X1210	Country of Origin	UK
Grade:	8.8	Invoice No.:	
Head Marks:	8.8	Lot No.:	WW0013806
Surface finished:	HOT DIP GALVANIZED	Order No.:	
Quantity:		Date:	11/05/2024

Percentage Composition							
Material	Heat No.	C	Si	Mn	S	P	
45	823121155	0.460	0.240	0.730	0.004	0.012	

Dimensions to :DIN976-1-2002						
Inspection Items	Sample	Standard		Test Result		Remarks
		Min.	Max.	Min.	Max.	
Nominal lengths	11	1207.37	1212.62	1209.5	1210.3	PASS
Thread diameter	11	23.577	23.952	23.7	23.73	PASS
Threads	11	NUTS GO		go gauge		PASS
				no gauge		PASS

Mechanical Properties: ISO898-1-2013						
Inspection Items	Sample	Standard		Test Result		Remarks
		Min.	Max.	Min.	Max.	
Elongation [A/%]	3	12	/	20	22	PASS
Hardness [HRC]	3	23	34	26	28	PASS
Tensile strength [Rm/MPa]	3	830	/	915	926	PASS
Yield strength [Rp0.2/MPa]	3	660	/	889	897	PASS
Reduction [Z/%]	3	52	/	55	56	PASS

Surface Finish:EN ISO10684-2004							
Surface Finished:	Thickness	Sample	Standard		Test Result		Remarks
			Min.	Max.	Min.	Max.	
HOT DIP GALVANIZED	um	3	43		OK		PASS

Inspection certificate to EN10204-3.1.

The product described above has been tested and complies with the terms/conditions of the order+

Quality Control Department:

