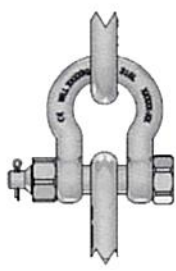
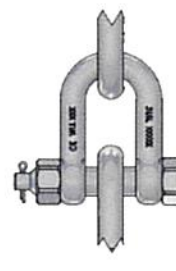


Produktcertificat. 1 No. K.1.83		Version A		Udført: 19-06-25		Ansvarlig: MAH			
customer's Order No./Bestell-Nr. Blue Wave A/S H. C. Ørstedsvvej 2 DK - 6100 Haderslev tlf. +45 73 22 14 14				Inspection Cert. Acc. to: EN.10.204 3.1					
				Certificate No.				Date/Datum	
				D24-39096-3.1				15-09-2025	
				Manufacturer's order no./ Batch no. / Tracebility code 39096					
Article description D-shackle size M24 with safety pin									
Extend Of Delivery/Umfang Der Lieferung									
Item No.		Quantity In Order		Quantity Delivered		Tested Quantity according to (EN13889 Tabel 5)			
D12224CE		77		77		2			
Test regime according to EU Directive 2006/42/EC Machine Directive 1: Visual inspection and control of tolerances on finished shackles 2: Testing of the proofload and subsequent checking tolerances according to drawings 3: Breakload testing to insure ductility and toughness of the product									
 Hydraulic cylinder Pull Fix Point 									
Workload limit		Workload limit according to specifications				Remarks			
		4.500 kg							
Proofload		Proofload according to specifications (2xWLL)				Remarks			
		9.000 kg				Within tolerances (passed test)			
Break load		Break load according to specifications (Safety Factor 6:1)				Remarks			
		32.766 kg				The nut stripped the tread and detached from the bolt			
All break loads are based on straight pull in longitudinal direction. Tensile testing machine is calibrated according to DS/EN ISO 7500-1, September 2020 Die Bruchlast ist auf einem geraden Zug in Längenrichtung basiert. Die Bruchlast-testmaschine ist kalibriert nach DS/EN ISO 7500-1, September 2020									
Material/ Material		AISI 316L - EN1.4404							
Item/produkt		C	Cr	Ni	Mo	Si	Mn	S	
D12224CE		≤ 0,03%	16,5- 18,5%	10,0-13,0%	2,0-2,5%	≤1%	≤2%	≤0,015	
Surface/ Oberfläche		Vibrated Surface X				Measurements according to specifications/ Massangabe laut Spezifikation X			
Measure control according to Mil.std. 105.D./ Masskontrolle laut Mil.std. 105.D. Temperatur Range from -40° to 100° (briefly up to 250°)									
 Blue Wave A/S H. C. Ørstedsvvej 2 tlf. +45 73 22 14 14 DK - 6100 Haderslev				We certify that the order is in accordance with the mentioned specifications. Wir bestätigen, dass die Produkte den genannten Spezifikationen entspricht					
				Haderslev Date/ Datum					
				15-09-2025					
 BLUE WAVE A/S H. C. ØRSTEDSVEJ 2 TLF. +45 73 22 14 14 Der Werkssachverständige Mathias Hedegaard									