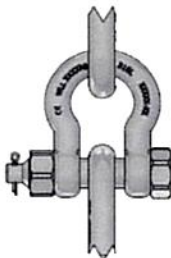
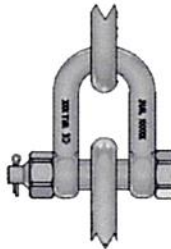


Produktcertificat: 1 No. K.1.83		Version A		Udført: 12-08-25	Ansvarlig: MAH	BLUE WAVE	
customer's Order No./Bestell-Nr. Blue Wave A/S H. C. Ørstedsvvej 2 DK - 6100 Haderslev tlf. +45 73 22 14 14				Inspection Cert. Acc. to: EN.10.204 3.1			
				Certificate No.		Date/Datum	
				B12.1-39096-3.1		12-08-2025	
				Manufacturer's order no./ Batch no. / Traceability code 39096			
Article description Bow-shackle size M12.1 with safety pin							
Extend Of Delivery/Umfang Der Lieferung							
Item No.	Quantity In Order		Quantity Delivered		Tested Quantity according to (EN13889 Tabel 5)		
B11212CE	183		183		5		
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		
	1.250 kg						
Proofload	Proofload according to specifications (2xWLL)				Remarks		
	2.500 kg				Within tolerances (passed test)		
Break load	Break load according to specifications (Safety Factor 6:1)				Remarks		
	8.520 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
	% min.-max.						
B11212CE	≤ 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 entsprechen. Haderslev Date/ Datum 12-08-2025  Mathias Hedegaard			