

ZONE-II FITTINGS & DNV FRAMES



List and Specifications of Items

	Make	Model	Description	Column2
1	Various	DNV Zone-II	DNV 2.7-1 Certified Frame, Zone-II Approved	
2	Chalwyn	Shutdown Valve **	Engine Overspeed Shutdown Valve	
3	Chalwyn, Sparks	Spark Arrestor **	Spark Arrestors, ATEX approved	
4	Pollack	Master Disconnect	Double-Pole Battery Isolator	1800 DC Amps

DNV CERTIFIED CRASH FRAMES

DNV Certified Frame for Air Compressors and Generators:

- Built to DNVGL-ST-E271 Design approval
- All materials are BE S355 J2 standard or equivalent
- All welding processes are complied to AWS D1.1
- Pad eyes and primary members are 100% MPI Tested.

DESIGN VERIFICATION REPORT		DNV·GL
		DVR-346.1-J-1501 Rev.: 0
Particulars of Design		
Designer / Client	:	AL Nasr Technical Trading Agencies
Manufacturer	:	AL Nasr Technical Trading Agencies
DNV GL survey office	:	Abu Dhabi
Client project reference	:	ATTA/CCF/T01
DNV GL project number	:	A0615806
This is to verify that the design of:		
Compressor Crash Frame		
has been reviewed and found to comply with:		
[1] DNV GL Standard DNVGL-ST-E271 - 2.7-1 Offshore containers, August 2017.		
[2] ISO 10855:2018 Offshore containers and associated lifting sets – Design, manufacture, testing, inspection and marking.		
[3] IMO MSC / Circular 860.		
<small>Form code: DVR 01a Revision: 2016-10 www.dnvgl.com Page 1 of 4 © DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.</small>		



Samples of our lifting points on frames:



Samples of the certification badges on our frames are below.
Included but not limited to :

- Crash Frames for Air Compressors
- Crash Frames for Generator
- Certified Shipping Containers
- Certified Frames for Dryers and Nitrogen Generation Units
- All Certified Frames comes with certified lifting slings and shackles

**"OFFSHORE CONTAINER DATA
PLATE-DNV 2.7-1 / EN 12079-1"**

Certificate no.: IM/2018/00071/25-A
 Name of manufacturer: MECOSER Sistemi S.p.A.
 Month/year of manufacture: 09/2018
 Manufacturer's serial no.: TWIN 477114.3
 Maximum gross mass: 17.000kg at 8-45° sling angle
 Tare mass: 5.000kg
 Payload container: 12.000kg
 Intermediate deck: N/A kg
 Design temperature: -20°C

**"OFFSHORE CONTAINER INSPECTION
PLATE - DNV 2.7-1 / EN 12079-3"**

Container no.: TWIN 477114.3
 Maximum gross mass: 17.000kg at 8-45° sling angle
 Name of owner: ATLAS COPCO

Inspections:

CSC SAFETY APPROVAL

Approval Reference No.: ***IR*07-932-12937***
 Date Manufacture: 09/2018
 Manufacture No.: TWIN 477114.3
 Maximum Operating Gross Mass: 17.000 kg 37.470 lb
 Allowable Stacking Load for 1.8g: 51.000 kg 112.430 lb
 Transverse Racking Test Force 75.000 N

NEXT EXAMINATION DATE 09/2023

Owner:

Manufacturer container:

MECOSER SISTEMI

MECOSER Sistemi S.p.A. - Via Saggese 73/77 - 80013 Casalmuro di Napoli (Na)
 ITALY - Tel: 0039.081.522.52.52 - Fax: 0039.081.522.50.11
 e-mail: info@mecoser.it; mecoser@pec.it; www.mecoser-containers.com
 Certified by BVQI for standards ISO 9001:2008 & ISO 14001:2004

OFFSHORE CONTAINER

DATA & INSPECTION PLATE DNV GL 2.7-1/EN 12079/ISO 10855

NAME OF MANUFACTURER: Jiangmen Donghong
 SUPPLIER: OEG Offshore LTD.
 MONTH/YEAR OF MANUFACTURE: 12 / 2018
 MANUFACTURER'S SERIAL NO.: H23308
 MAXIMUM GROSS MASS: 5,390 KG AT 45° SLING ANGLE
 TARE MASS: 1,390 KG
 PAYLOAD: 4,000 KG
 CERTIFICATE NO.: SH11883499/3
 DESIGN TEMPERATURE: -20°C
 CONTAINER NO.: LF108703
 OWNER: Atlas Copco Air & Gas Purification B.V.
 TEL:

INSPECTIONS

Scanned with

OFFSHORE CONTAINER DATA PLATE
DNV-GL 2.7-1/EN12079-1

Manufacturer's Name:

Date of Manufacture: 12/2017

Manufacturer's No.: R2483

Max. Gross Weight: 20,000 (Kg) At 45° Sling Angle.

Tare Weight: 3,450 (Kg).

Max. Payload: 16,550 (Kg).

Certificate No.: RET0291844.2028

Design temperature: -20°C ~+70°C.

OFFSHORE CONTAINER INSPECTION PLATE
DNV-GL 2.7-1/EN12079-3

Container Serial No.: CARU.002503-3

Max. Gross Weight: 20,000.00 (Kg) At 45° Sling Angle.

Inspections: 12/2017

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PETROCAST OILFIELD SUPPLIES & SERVICES L.L.C
 P.O. BOX. 92053, ABU DHABI, T: +971 2 5651103

OWNER: ACCESS HIRE

ID NO: AH-6F-002

YEAR OF MFG: 2018

TARE WT: 1350 LB

PAYLOAD: 2500 LB

MGW: 3850 LB

INSPECTION DATA

NDE	LOAD TEST
08-12-2018	08-12-2018



ACCESSORIES FOR ZONE II OPERATIONS:

Included but not limited to:

1. Chalwyn automatic engine-overspeed shutdown valves.
This self-contained valve works by air flow, which ensures reliable automatic shutdown if operating speed exceeds a pre-set limits.
Automatically stops the engine before excessive speed causes damage or flashbacks.
Valve resets once the engine has stopped, so the engine is ready for re-starting.
2. Chalwyn air-intake with manual shutdown.
Automatic valves with the addition of manual shutdown via cable and pull handle.
3. Spark Arrestors.
ATEX approved for Zone 1 and Zone 2 hazardous are applications.
Some of the features are flame traps and restrictive silencers.
4. Double pole, battery isolation switch (Master Disconnect Switches)
Designed to disconnect all circuitry to reduce possibility of accidental electrical fires, battery drain and tampering.



Double-pole
Master
Disconnect
Switch

