GLOBALINDO BUANA

bsi ISO 9001 Quality Management Systems CERTIFIED | ISO 14001 Environmental Management CERTIFIED | ISO 45001 Occupational Health and Safety Management CERTIFIED

PRODUCT CATALOG

PT GLOBALINDO BUANA



www.globalbuana.com



ABOUT
US

PT Globalindo Buana

Company with a core business in providing integrated solutions, well services and high specialized supplies to various industries in Indonesia, especially in Oil and Gas Production Facilities, Refinery Plants, Power Plants, Cement Plants, Mining Industries, Airport and Aviation Facilities and Petrochemical Plants.

With over than 20 years of experiences, PT Globalindo Buana has fully committed to support our clients to meet their project goals by provi ding reliable, innovative and compe titive services.

Our collective problem-solving culture ensures that the company's resources are made available for all projects. A continuous technology transfer program ensures that our expertise is maintained and enchanced, as well as conforming to the norms for quality assurance, our internal quality and control procedures guarantee the delivery of successful, timely, and cost-effecttive projects.

When you choose partner, you also bring our solid foundation and support your business.



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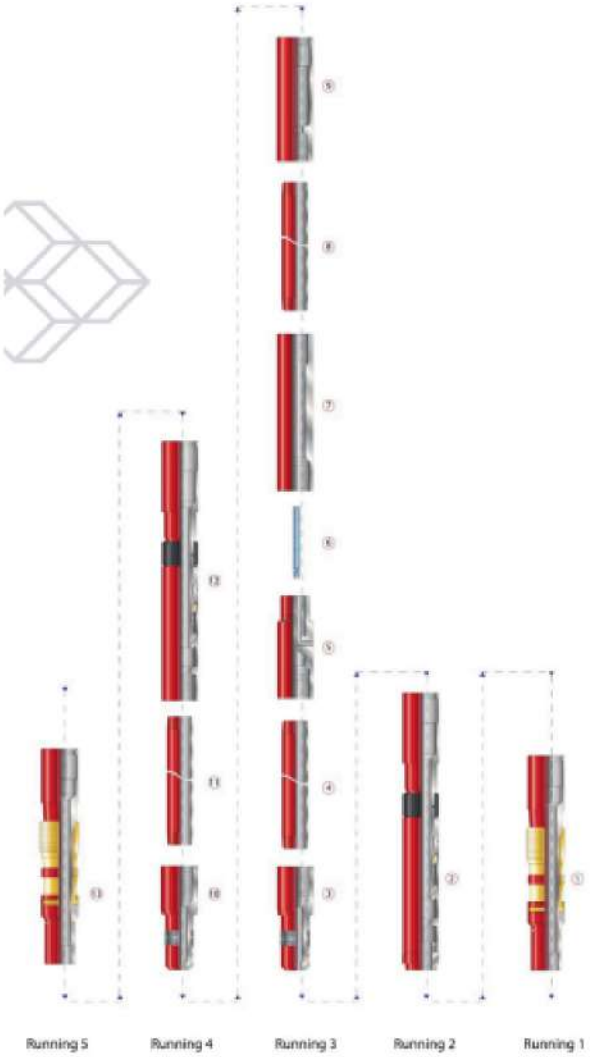
Gas Lift Pack Off
GLPO

Gas lift Pack off is a method to create the gas lift passage from the well annulus in to the tubing flow area at a desire location.

The GLPO method would be preferred due to its simple completion and lower project cost then tubing recompletion using RIG or Hydraulic work over.



Drawing Design



Item No.	Description
1	Lower Tubing Stop Type A
2	Lower Pack Off
3	Stinger
4	Spacer
5	IM Mandrel
6	Conventional mart Orifice
7	Blast Joint
8	Spacer
9	Receptacle
10	Stinger
11	Spacer
12	Upper Pack Off
13	Upper Tubing Stop Type A

Permanent Bridge Plug
PBP



PBP (Permanent Bridge Plug) is high pressure plug that constructed with cast iron. It can be set on E-line using GS Setting Kit or coil tubing using GS Hydraulic setting tool When set, opposing slips are located above and below rubber elements.

The elements are containedbackup ring to eliminate extrusion of the element at high pressure and temperature.

Spesification

Tubing	Part Number	OD	Setting Range	Temp- Press
2 3/8" 9.3 PPF	GSPBP1800	2.25"	1.87"-2.04"	280 F - 5.000
2 7/8"9.3 PPF	GSPBP2875	2.25"	2.40"-2.65"	280 F - 5.000
3 1/2" 9.3 PPF	GSPBP3593	2.70"	2.87"-3.15"	280 F - 5.000
4 1/2"12.6-13.5 PPF	GSPBP4513	2.62"	3.85"-4.05"	280 F - 5.000
5 1/2" 17-20 PPF	GSPBP5520	4.40"	4.60"-5.05"	280 F - 5.000
7" 23-26 PPF	GSPBP7026	5.90"	6.27"-6.36"	280 F - 5.000

Running Procedures

Attached setting tool on permanent bridge plug as follow :

- Make up tension sub and scope head on permanent bridge plug.
- Make up hydraulic setting tool or mechanical (DPU/ Omega) timer setting tool

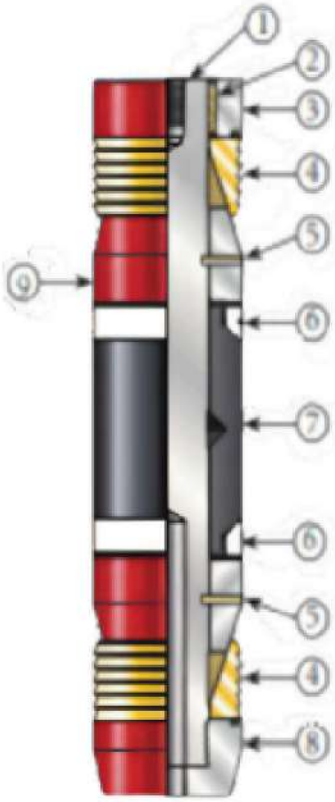
Using hydraulic setting tool :

- RIH on CTU once reach the depth, apply pressure 4000psi to active setting tool.
- At 2000 psi plug start set than increase pressure to 4000 psi to energize and pin will shear off.

Using electrical timer Omega (N-2)/DPU :

- RIH with drift make sure tubing clear.
- Record the time consuming to set up timer in setting tool.
- RIH bridge plug assembly 150' per minutes.
- Once reach depth, check pick up weight recorded wait until the timer active.
- Monitor weight indicator.
- Once the tension drop, select the tool to confirmed bridge plug set.

Part Of Permanent Bridge Plug



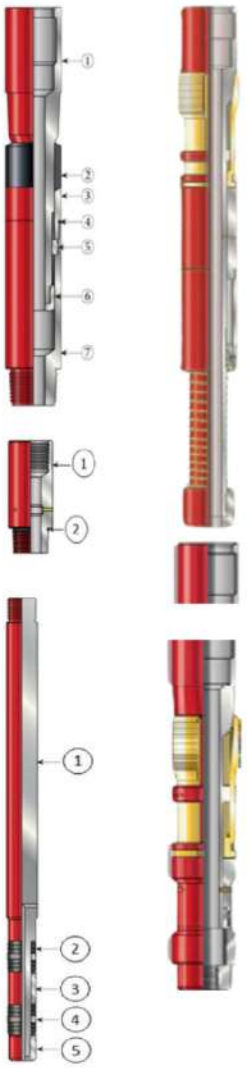
No	Part Name	Qty
1	Mandrel	1 EA
2	Ratchet	1 EA
3	Top Sub	1 EA
4	Slip	2 EA
5	Pin	2 EA
6	Backup Ring	2 EA
7	Rubber Element	1 EA
8	Bottom Sub	1 EA
9	Wage	1 EA

Retrievable Bridge Plug
RBP

The retrievable bridge plug is mechanically set and pulled lock that can be used as a plug or suspended flow control devices in well. It is designed to set in a specific tubing size and hold pressure from both directions.

The plug can be set and pull with standard slick line GS running and pulling tool. It is designed for two run to set and two run to pull with the same tool by_slick line. The lower assembly is plug with equalizing device made up with spring loaded type of slip lock. The upper assembly are equalizing prong made up with the upper slip stop.





Spesification

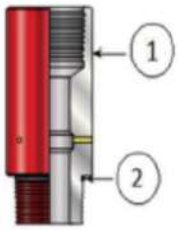
	Tubing	Tubing ID	Plug Max OD	Pulling and Running Tool	Material	Total Length
	2 3/8	1.992"	1.825"	2"GS	As Per Request	61"
	2 7/8"	2.44"	2.28"	2 1/2"GS	As Per Request	61"
3 1/2"	9.3 PPF	2.992"	2.70"	3"GS	As Per Request	61"
3 1/2"	12.7 PPH	2.754"	2.60"	2 1/2"GS	As Per Request	61"
4 1/2"	21 PPF	3.5"	3.25"	3"GS	As Per Request	61"
4 1/2"	12.6 PPH	3.95"	3.70"	4"GS	As Per Request	61"
	13.5 PPF	3.92"	3.65"	4"GS	As Per Request	61"
	15 PPF	3.82"	3.60"	4"GS	As Per Request	61"

Part Of
Retrievable Bridge Plug



Pack Off

No	Item	Qty
1	Body Mandrel	1Ea
2	Rubber	1Ea
3	Top Sub	1Ea
4	O-Ring	1Ea
5	Ratchet	1Ea
6	Lock Nut	1Ea
7	Lower Body	1Ea



Equalizing Valve

No	Item	Qty
1	Body	1Ea
2	O-Ring	1Ea



AD 2-S

No	Item	Qty
1	Body Mandrel	1Ea
2	Slip	1Ea
3	Ring	1Ea
4	Lock Screw	1Ea
5	Shear Pin	1Ea
6	Slip Carrier	1Ea



Type A Tubing Stop

No	Item	Qty
1	Body Mandrel	1Ea
2	Slip	1Ea
3	Ring	1Ea
4	Slip Carrier	1Ea
5	Shear Pin	1Ea
6	Ratchet Retain	1Ea
7	Ratchet Housing	1Ea
8	Ratchet	1Ea
9	Shear Screw	1Ea
10	Spring	1Ea
11	End Cap	1Ea



Prong

No	Item	Qty
1	Body Mandrel	1Ea
2	Slip	1Ea
3	Ring	1Ea
4	Lock Screw	1Ea
5	Shear Pin	1Ea
6	Slip Carrier	1Ea

TKDN Certificate

Truck Mounted Crane 12 Ton

TMC 12 Ton

About Truck Chasis

The vehicle chassis that we use in this TMC unit is the UD Quester CWE 280 Truck. This truck has several advantages, including:

- Fuel efficient
- Has an environmentally friendly PTO feature
- Has a real-time fuel coach feature
- Has a cabin specifically designed for operations in mining areas
- Has a Full Air Brake braking system
- Has a 9-speed manual transmission
- Has a 6×4 wheel configuration
- Has a GH8E engine
- Has Euro 5 standard exhaust emissions

Certified:
- **SIO Migas Certification for Operator**
- **SILO Migas Certification**
- **SILO Depnaker Certification**

About Crane

The type of crane used is the Sany SPK36080, with the following advantages:

Lifting Moment	: 341.0 kNm (34.8 mt)
Max. Lifting Capacity	: 12.000 kg (12 ton)
Max. Hydraulic Outreach	: 12.1 m
Slewing Angle	: 400 (degree symbol)
Slewing Torque	: 37.3 kNm (3.8 mt)
Operating Pressure	: 33 Mpa (330 bar)
Pump Capacity	: 55-80 l/min



Detail Information

Truck Type	: UD Truck Quester CWE 280 6X4R WB6100MM Euro 5
Engine Specifications	: 6 Cylinder, 7698 CC, 280 HP, 2.200 RPM.
Fuel Specification	: Diesel Fuel (Max. 315L), with additional AdBlue (Max. 50L)
Dimension	: 2500 mm (W), 11875 mm (L), 3400 mm (H)
Empty Vehicle Weight Allowable Combination	: 15095 kg
Weight (JBB/JBKI) Total Allowable Vehicle	: 26000 kg
Combination Weight	: 24000 kg
Types of Vehicle bodies	: Dropside Sixways (8300 x 2460 x 600) mm

Crane Type	: Sany SPK36080 (Articulated Crane Model)
Lifting Moment	: 341.0 kNm (34.8 mt)
Max. Lifting Capacity	: 12.000 kg
Max. Hydraulic Outreach	: 12.1 m
Slewing Angle	: 400 (symbol derajat)
Slewing Torque	: 37.3 kNm (3.8 mt)
Operation Pressure	: 33 Mpa (330 bar)
Pump Capacity	: 55-80 l/min

Hydrocyclone Desander

PT Globalindo Buana Hydrocyclone Desander is designed to eliminates sand and other solid particles from incoming high pressure well stream comprises amixture of liquid and gas fluids.

The Hydrocyclone Desander package system is designed with optimize design for high performance, high efficiency, easy to operate withhighly standard of safety compromise to minimum maintenance,small footprint and easy to mobilize.

The package skid consists of Hydrocyclone Vessel and Accumulator Vessel. The Hydrocyclone Vessel at top section is a centrifugal enhanced gravity separation vessel, with designed with multi compartment and multi liner systemwhich provide wide range capacity of operation.

The bottom section of skid an Accumulator Vessel installed to collect sand and solid particles equipped with double isolation valve to provide safety operation.

All pressure vessel is an ASME VII design rated unit. The package is constructed in a single structural skid mounted for easier construction and mobilizations in safe condition. Applicable for onshore and offshore application.

All equipment, structural and accessories embeddedare valid certified as per Indonesian regulation.



Model : GLB-001



Model : GLB-002



Model : GLB-003

Spesification of Hydrocyclone Desander

Model : GLB-001

SPESIFICATIONS	
Hydrocyclone Type	Multi Compartments Multi Liners

DESIGN	
Gas	20 MMSCFD
Liquid Flowrate	5000 BPD
Working Pressure	2000 psig
Working Temperature	250°F
Design Press/Temp	2100 psig @ 300 °F
Liquid Specific Gravity	0.85
Particle Size Removed	10 Microns (8.63%) 20 Microns (31.6%) 30 Microns (69.95%) 40 Microns (99.9%)

OVERALL SKID PACKAGE	
Inlet/Outlet Connection	3'' -900 #/RTJ*
Skid Package Qty	1- unit skid
Overall Dimension	2.2 m [L] x 2.2 m [W] x 4.7 m [H]
Empty Weight	12450 kg

***For Information Only**
Any specification, size and requirements are available on request.

Model : GLB-002

SPESIFICATIONS	
Hydrocyclone Type	Multi Compartments Multi Liners

DESIGN	
Gas	20 MMSCFD
Liquid Flowrate	5000 BPD
Working Pressure	2000 psig
Working Temperature	250°F
Design Press/Temp	2100 psig @ 300 °F
Liquid Specific Gravity	0.85
Particle Size Removed	10 Microns (8.63%) 20 Microns (31.6%) 30 Microns (69.95%) 40 Microns (99.9%)

OVERALL SKID PACKAGE	
Inlet/Outlet Connection	3'' -900 #/RTJ*
Skid Package Qty	2- unit skid
Skid V-001 Dimension	1.8m[L] x 1.8m[W]x 2.35m[H]
Empty Weight	5499 Kg
Skid V-002 Dimension	1.8m[L] x 1.8m[W]x 2.35m[H]
Empty Weight	5378 Kg
Overall Dimension c/w piping	2.5m[L] x 3.2m[W] x 4.7m[H]
Empty Weight	10877 Kg

***For Information Only**
Any specification, size and requirements are available on request.

Model : GLB-003

SPESIFICATIONS	
Hydrocyclone Type	Multi Compartments Multi Liners

DESIGN	
Gas	20 MMSCFD
Liquid Flowrate	5000 BPD
Working Pressure	5000 psig
Working Temperature	250°F
Design Press/Temp	5370 psig @ 300 °F
Liquid Specific Gravity	0.85
Particle Size Removed	10 Microns (8.63%) 20 Microns (31.6%) 30 Microns (69.95%) 40 Microns (99.9%)

OVERALL SKID PACKAGE	
Inlet/Outlet Connection	3'' Fig 1502 Weco Union
Skid Package Qty	1- unit skid
Overall Dimension	2.75m [L] x 2.43m [W] x 7.0m [H]
Empty Weight	18000 kg

***For Information Only**

Any specification, size and requirements are available on request.

Hydrocyclone Desander Project:



Desander Service

Desander Rental for Sand Management Campaign Client

2024



Desander Service

Provision of Cyclone Solid Removal Equipment Rental and Support Services

2021 - 2023



Desander Service

Desander Operation at Tarakan Project

2022

Slickline Single Winch Unit

Model : HSW-03-SL

1. Mechanical Elements

- Reel capacities : 20000 feet of 0.108" or 0.125" wire
- Four speed levels transmission gearbox
- Lever Operated Dog Clutch Sprocket to change drive between upper & lower drum
- Double Piston Caliper Disc Brake with Booster
- Hand Wheel Drive Level Wind carriage Mechanism and measuring head assembly
- Integral Depth & Tension Measuring Head with 16 inch Diameter Single Counter
- Wheel , range Slot for 0.108" until 7/32" wire (metric or feet unit)
- Mechanical Angle drive and Hydraulic load cell for analog depth counter and tension
- tranducers
- Wire lubricant system

2. Operator Cabin & Panel

- Single Adjustable Hand Brake Control Handle
- Protector Visor for Operator
- Barksdale Directional Control/Four way valve
- By Pass Relief Valve (Hydraulic Pressure Remote Control) for torque control
- Hydraulic Pressure Gauge 5000Psi
- Level Wind Hand Steering
- 4 speed Transmission Shifting Lever
- Double Entrance Doors with window for each door and roof top
- 0-4000lbs Analog Weight Indicator & Mechanical Depth Counter Display (odometer)

3. Hydraulic Power

- Hydraulic Open Loop system
- Vickers Hydraulic Motor Model 45M,
  1. Displacement : 8.42Cu.in/rev
  2. Torque : 130Lb.in/100Psi
  3. Speed Range : 3000RPM @ 2500psi
  4. Max. Pressure : 175 bar (2537 Psi)
- Vickers X-over Relief Valve, as Hydraulic Motor Protector
- Vickers Pressure Relief Valve
- 1 inch, 1-1/4 inch, and ½ inch Quick Release Hydraulic Coupling Connection



4. Skid Frame

- Dimension : L2600mm x W1400mm x H2100mm
- Maximum gross weight ; 2500kg
- Cabed unit with double entrance door and 2 side windows and 1 roof top ventilation
- Protective Moving Parts Guard and Side Frame for winchs system
- Four Point Lifting Eyes
- Forklift Pockets
- Fully Shock Protective Unit
- Drip Pan and Drain
- Paint Specification: Abrasive Blasting, Anti Corrosive Primer and Marine Top Coat

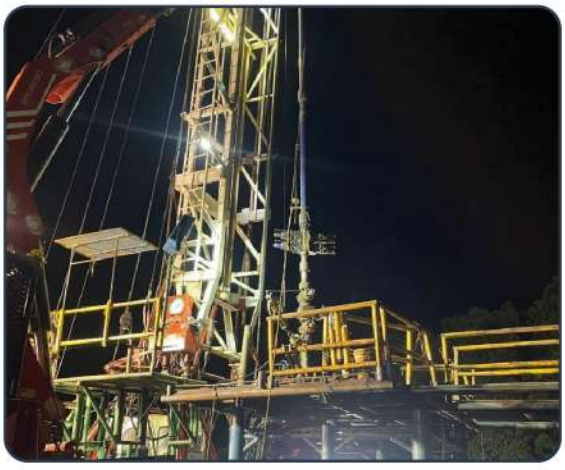
5. Manufacturing Document

- Specification For Welding Procedures and Welder Certificates
- Material Traceability (Mill Certificates)
- Fabrication Inspection Report
- Magnetic Particle Examination Report
- Lifting Test Report

6. User Hanbook

- General Information
- Safety Precautions
- Operation Instructions
- Preventive Maintenance
- General Data

Slickline Project:







Slickline Service

Slickline Services SSB (SOKA) Rimau & Tarakan Project
2023 - 2025

Slickline Dual Winch Unit

Model S/N : HDW-04-CMB-2024-001

1. Mechanical Elements

- Reel capacities : OPTIONAL
  1. Upper Drum : 20000 feet of 0.108" or 0.125" wire
  2. Lower Drum : 20000 feet of 3/16" or 7/32" braidedwire
- Four speed levels transmission gearbox.
- Lever Operated Dog Clutch Sprocket to change drive between upper & lower drum.
- Double Piston Caliper Disc Brake with Booster for each upper and lower drum.
- Hand Wheel Drive Level Wind carriage Mechanism and measuring head assembly.
- Integral Depth & Tension Measuring Head with 16 inch Diameter Double Counter Wheel range Slot for 0.108" until 7/32" wire (metric or feet unit).
- Mechanical Angle drive and Hydraulic load cell for analog depth counter and tension tranducers.
- Optional:Electric Encoder and Load pin for electric depth counter and tension tranducers.
- Wire lubricant system.

2. Operator Cabin & Panel



- Single Adjustable Hand Brake Control Handle.
- Protector Visor for Operator.
- Barksdale Directional Control/Four way valve.
- By Pass Relief Valve (Hydraulic Pressure Remote Control) for torque control.
- Hydraulic Pressure Gauge 5000Psi.
- Level Wind Hand Steering.
- 4 speed Transmission Shifting Lever.
- Double Entrance Doors with window for each door and roof top.
- 0-4000lbs Analog Weight Indicator & Mechanical Depth Counter Display (odometer).



3. Hydraulic Power

- Hydraulic Open Loop system.
- Vickers Hydraulic Motor Model 45M,
  1.Displacement : 8.42Cu.in/rev
  2.Torque : 130Lb.in/100Psi
  3.Speed Range : 3000RPM @ 2500psi
  4.Max. Pressure : 175 bar (2537 Psi)
- Vickers X-over Relief Valve, as Hydraulic.
- Motor Protector.
- Vickers Pressure Relief Valve.
- 1 inch, 1-1/4 inch, and ½ inch Quick Release Hydraulic Coupling Connection.

4. Skid Frame

- Dimension : L 3200mm x W1500mm x H2210mm,
- Maximum gross weight : 3000kg
- Cabed unit with double entrance door and 2 side windows and 1 roof top ventilation
- Protective Moving Parts Guard and Side Frame for winchs system
- Four Point Lifting Eyes
- Forklift Pockets
- Fully Shock Protective Unit
- Drip Pan and Drain
- Paint Specification: Abrasive Blasting, Anti Corrosive Primer and Marine Top Coat

5. Manufacturing Document

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- Material Traceability (Mill Certificates)
- Fabrication Inspection Report
- Magnetic Particle Examination Report
- Lifting Test Report

Slickline Project:





Slickline Service

Provison of Long Duration Memory Gauges

2022 - 2025



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