



INTERNATIONAL DRILLING SPARE PARTS SUPPLIER

DRILLING SPARE PARTS CATALOGUE

One-Stop Supply Chain Partner for Solids Control, Mud Pump, Top Drive, BOP and full-range drilling rig spare parts.

API Certified Manufacturer

OEM Reverse Engineering

EDITION 2026 – EN



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CERTIFIED



OEM
MANUFACTURING



REVERSE
ENGINEERING



GLOBAL
DELIVERY

Frequently Asked Questions

Company overview, and identification & technical compatibility — how we work, and how we confirm the right part for your rig.

1 · COMPANY OVERVIEW

Q1 What does TSS-TUP specialize in?

A premium one-stop supplier for drilling equipment spare parts, specializing in shaker screens, mud pump fluid ends, top drive spares, drawworks, BOPs, and solids control systems.

Q2 Do you only supply shaker screens, or complete rig spares?

Beyond our core replacement shaker screens, we supply complete spare parts packages covering land rigs, offshore platforms, and directional drilling equipment.

Q3 Which major drilling equipment brands do you support?

We provide replacement parts compatible with most major international drilling equipment brands.

Q4 Why choose TSS-TUP over managing multiple vendors?

One PO, One Shipment, One QC, One Contact — significantly reducing communication overhead, LCL shipping freight, and procurement costs.

2 · IDENTIFICATION & TECHNICAL COMPATIBILITY

Q5 Can't find your part number? What should I do?

Send us an equipment nameplate, part drawing, dimensional sketch, or even a field photo — our engineers will identify the exact part before quotation.

Q6 How do you guarantee spare parts will fit our rig?

Every order is verified against detailed original engineering blueprints, with 100% CMM (Coordinate Measuring Machine) dimensional checks prior to dispatch for zero-error matching.

Q7 Can TSS-TUP supply parts for obsolete or discontinued equipment?

Yes — we offer reverse engineering (3D spatial scanning and high-precision modeling) to custom-manufacture exact replacement parts for legacy rigs and non-standard systems.

Frequently Asked Questions

Quality standards and material upgrades, plus pricing, quotation turnaround, and the savings you can expect versus OEM.

3 · QUALITY, MATERIALS & UPGRADES

Q8 Are TSS-TUP spare parts OEM-equivalent?

Yes. All TSS-TUP spares are engineered using OEM-equivalent materials, tolerances, and processes, delivering identical fit, form, and performance.

Q9 What quality certifications do your products carry?

All products are manufactured in facilities certified to ISO 9001 and API standards, backed by a 15-year zero major quality incident track record.

Q10 What material upgrades do you offer for harsh drilling environments?

Custom upgrades such as high-abrasion/hydrolysis-resistant polyurethane formulas for screens and specialized alloy steels for fluid end parts, suited to high-acid, heavy mud, or highly abrasive formations.

4 · PRICING, QUOTATION & SAVINGS

Q11 How much can we save compared to original OEM prices?

Backed by a fast, efficient, and highly cost-effective Chinese supply chain, we typically deliver 25% to 65% cost savings versus OEM direct prices, without sacrificing quality or lead time.

Q12 How quickly can I get a price quotation?

Standard RFQs receive a formal quotation within 2 to 12 hours. Complex or custom RFQs with technical evaluation are delivered within 24 hours.

Q13 What details are needed for an accurate quotation?

Part number, equipment model, and required quantity (MOQ 1 piece per category). A photo/nameplate and target application or site conditions help speed things up further.

Frequently Asked Questions

Emergency response and delivery timelines, plus trade compliance, logistics, warranty, and ongoing support.

5 · EMERGENCY RESPONSE & DELIVERY

Q14 How fast can TSS-TUP deliver standard spare parts?

High-demand consumables and standard shaker screens ship from stock within 48 hours. Custom or manufactured parts are delivered in 6 to 25 days.

Q15 How do you handle emergency rig downtime situations?

A 24/7 rapid response system. For urgent "Rig Down" scenarios, we trigger priority emergency production and express air freight to achieve a 48 to 72-hour turnaround.

Q16 Do you offer Door-to-Rig delivery?

Yes — full international logistics support, including express air, ocean freight, and direct Door-to-Rig transport.

6 · TRADE COMPLIANCE, LOGISTICS & SUPPORT

Q17 How do you handle global trade compliance and customs documentation?

Our compliance team is expert in all Incoterms (FCA, CIF, DDP) and regional requirements, such as Kuwait ICV documentation and Egypt ACI/CargoX portal filing, eliminating customs delays.

Q18 What is your standard warranty policy?

A 12 to 24-month warranty across our product lines, ensuring complete confidence in field operation.

Q19 Do you provide technical support and on-site service?

Yes — 24/7 remote technical consulting, part selection assistance, and field service engineers dispatched for critical commissioning or troubleshooting on-site.

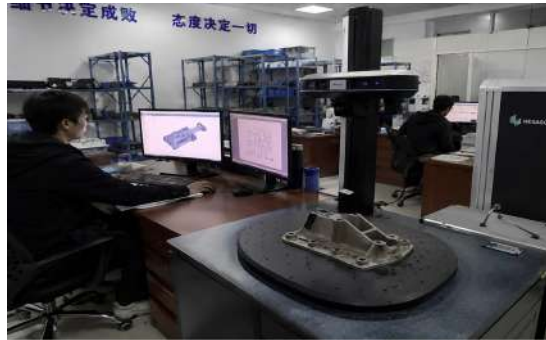
Q20 Do you support flexible payment terms or long-term agreements?

Yes — flexible payment terms for qualified clients, plus long-term frame agreements (LTA) to lock in inventory and pricing.

ABOUT TSS-TUP

Built For Global Supply

From manufacturing to overseas warehousing, TSS-TUP is structured around a single goal: reducing the distance between a drilling site and the part it needs. Our production, inspection and logistics teams work as one chain — not a chain of vendors.



MANUFACTURING

R&D & REVERSE ENGINEERING

QUALITY INSPECTION

GLOBAL WAREHOUSING

SITE DELIVERY

WHY CHOOSE US

Ten Reasons Buyers Choose TSS-TUP



API CERTIFIED

Manufactured and documented to API standard.



OEM REPLACEMENT

Direct-fit replacements for leading rig OEM brands.



REVERSE ENGINEERING

3D scan & re-manufacture from a worn sample.



GLOBAL WAREHOUSE

Regional stock positioned near your operations.



100% COMPATIBILITY

Every part verified against original OEM tolerances.



FAST DELIVERY

Expedited routing for urgent rig-down situations.



CARGOX EXPERTISE

Specialist handling of oversized & heavy-lift cargo.



ICV SUPPORT

In-Country Value documentation for regional programs.



ONE INVOICE

Consolidated billing across multi-category orders.



QUALITY INSPECTION

Dimensional & material inspection before dispatch.

CONTENTS

Product Category Index

Organized by equipment system — the way drilling procurement teams actually search. Page ranges are estimated and will be finalized once all product photography is placed.

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CHAPTER ONE

SOLIDS CONTROL EQUIPMENT SPARE PARTS

Shale shaker · mud cleaner · desander · desilter · decanter centrifuge ·
vacuum degasser · mud agitator · mud gun · shear pump · centrifugal & screw pump
mixing hopper · jet mud mixer · mud tank accessories

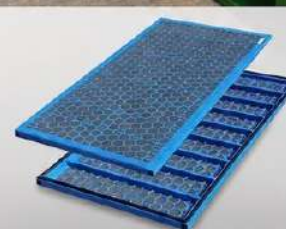


SOLIDS CONTROL EQUIPMENT SPARE PARTS

Shale Shaker
Mud Cleaner
Desander
Desilter
Decanter Centrifuge
Vacuum Degasser
Mud Agitator
Mud Gun
Shear Pump
Centrifugal Pump
Screw Pump
Mixing Hopper
Jet Mud Mixer
Mud Tank Accessories



COMPOSITE FRAME SCREEN



HEXAGONAL COMPOSITE SCREEN



SCREEN FRAME

SHALE SHAKER SPARE PARTS

Full replacement range for linear-motion and balanced-elliptical shale shakers, covering screen assemblies, drive components and structural wear parts.

SPARE PARTS LIST

- Screen
- Screen Frame
- Rubber Seal
- Tension Bolt
- Hook Strip
- Spring
- Spring Seat
- Motor
- Explosion-Proof Motor
- Bearing
- Bearing Housing
- Vibration Damper

- Feed Box
- Flow Distributor
- Clamp
- Screen Wedge
- Lifting Hook
- Side Plate
- Support Bar
- Cross Beam
- Electrical Box
- Cable Assembly
- Fastener Kit

SHALE SHAKER SPARE PARTS



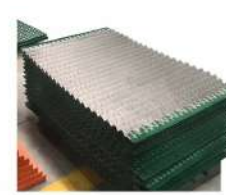
RUBBER SEAL



SCREEN WEDGE



FEED BOX



HOOK STRIP



SCREEN FRAME



SCREEN



SPRING



EXPLOSION-PROOF MOTOR



MOTOR

Typical Wear Parts · Screen / Rubber Seal / Bearing



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MUD CLEANER SPARE PARTS

Cyclone and screen deck components for combination mud cleaner units, covering both the hydrocyclone bank and the underlying screen assembly.

SPARE PARTS LIST

- | | |
|-----------------|----------------|
| ● Cyclone | ● Inlet Pipe |
| ● Desander Cone | ● Outlet Pipe |
| ● Desilter Cone | ● Header |
| ● Apex | ● Manifold |
| ● Overflow Pipe | ● Spray Nozzle |
| ● Clamp | ● Screen |
| ● Gasket | ● Screen Frame |
| ● Rubber Seal | ● Support |
| ● Wear Sleeve | ● Valve |

DESANDER + DESILTER COMBINATION UNITS

MUD CLEANER: COMPONENT IDENTIFICATION GUIDE



MUD CLEANER COMPLETE UNIT (LANDA)



MUD CLEANER COMPLETE UNIT (BWwell)



SUPPORT FRAME



HEADER CONE BANK MANIFOLD



DESANDER CONES



DESILTER CONES



HYDROCYCLONE TOTAL ASSEMBLY



APEX FINDERS



OVERFLOW PIPES



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DESANDER SPARE PARTS

Complete spare parts range for stand-alone desander units, including cone, manifold and feed components across common cone diameters.

SPARE PARTS LIST

- | | |
|------------------------|-----------------|
| ● Cyclone Cone | ● Rubber Seal |
| ● Apex | ● Gasket |
| ● Overflow Pipe | ● Wear Sleeve |
| ● Inlet Manifold | ● Support Stand |
| ● Feed Pump Connection | ● Valve |
| ● Clamp Ring | ● Sight Glass |

10" & 12" CONE SERIES



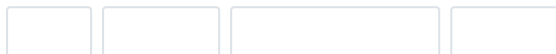
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DESILTER SPARE PARTS

4" & 5" CONE BANK SERIES

Full spare parts range for desilter cone banks, including multi-cone manifolds and underflow components for fine-solids separation.



SPARE PARTS LIST

- | | |
|----------------------|-----------------|
| ● Cyclone Cone | ● Rubber Seal |
| ● Apex | ● Gasket |
| ● Cone Bank Manifold | ● Wear Sleeve |
| ● Underflow Pipe | ● Support Frame |
| ● Overflow Collector | ● Valve |
| ● Clamp Ring | |

4" & 5" Desilter Spare Parts



Clamp Ring



Clamp Ring (Heavy Duty)



Desilter Unit Complete



Hydrocyclone Body



Hydrocyclone Body
(Polyurethane)



Polyurethane Hydrocyclone



Hydrocyclone Assembly



Desilter Body



Wear Sleeve



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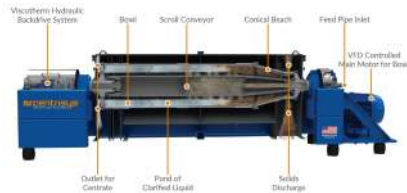


DECANTER CENTRIFUGE SPARE PARTS

Rotating-assembly and drive-train components for decanter centrifuges used in high-volume drilling fluid processing, including tungsten-carbide wear tile sets. One of our most requested categories.

SPARE PARTS LIST

- | | |
|---------------------|-------------------------|
| ● Bowl | ● Wear Tile |
| ● Scroll / Conveyor | ● Feed Pipe |
| ● Gearbox | ● Discharge Port |
| ● Bearing | ● Differential Assembly |
| ● Bearing Housing | ● Main Motor |
| ● Oil Seal | ● Back-Drive Motor |
| ● Mechanical Seal | ● Frequency Converter |
| ● V-Belt | ● Lubrication System |
| ● Pulley | |



DECANTER CENTRIFUGE SPARE PARTS

HIGH & LOW-SPEED SERIES



Bowl



Decanter Cone



Scroll Coating



Discharge Port



Cone Liner



Differential Assembly



Wear Tile



Tungsten Wear Tiles



Planetary Gearbox Assembly



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VACUUM DEGASSER SPARE PARTS

Rotor and vacuum-chamber components for atmospheric and vacuum-type mud degassers, removing entrained gas from drilling fluid before it returns to the active system.

SPARE PARTS LIST

- | | |
|-------------------------|--------------------|
| ● Rotor | ● Outlet Valve |
| ● Rotor Shaft | ● Mud Level Sensor |
| ● Vacuum Pump | ● Motor |
| ● Vacuum Pump Belt | ● Bearing |
| ● Gas Separator Chamber | ● Mechanical Seal |
| ● Level Float | ● Gasket |
| ● Float Switch | ● Sight Glass |
| ● Inlet Valve | |

ATMOSPHERIC & VACUUM TYPES

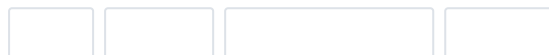


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MUD AGITATOR SPARE PARTS

Complete drivetrain and impeller range for vertical mud agitators used to keep drilling fluid solids in suspension across the tank system.



SPARE PARTS LIST

- | | |
|---------------------|-------------------------|
| ● Gearbox | ● Bearing |
| ● Gear Set | ● Motor |
| ● Output Shaft | ● Explosion-Proof Motor |
| ● Impeller / Paddle | ● Mounting Flange |
| ● Shaft Sleeve | ● Coupling |
| ● Mechanical Seal | ● Tank Seal Plate |
| ● Oil Seal | |

VERTICAL PADDLE & TURBINE TYPES

MUD AGITATOR SPARE PARTS: PADDLE & TURBINE TYPES		
		
COMPLETE AGITATOR ASSY	EXPLOSION-PROOF MOTOR & GEARBOX	COUPLING ASSY
		
TURBINE GEARBOX (SINGLE UNIT)	PADDLE IMPELLER (3 BLADES)	TURBINE IMPELLER (MULTI-LAYER)
		
STANDARD ELECTRIC MOTOR	MECHANICAL SEAL KIT	HIGH-RESOLUTION DRIVE MOTOR



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MUD GUN SPARE PARTS

FIXED & ROTARY NOZZLE TYPES

Nozzle, swivel and mounting components for fixed and rotary mud guns used for tank agitation and solids re-suspension.

SPARE PARTS LIST

- | | |
|-------------------|-------------------|
| ● Nozzle | ● Support Bracket |
| ● Nozzle Insert | ● Gasket |
| ● Swivel Joint | ● Gate Valve |
| ● Ball Valve | ● Pipe Union |
| ● Mounting Flange | ● Elbow Fitting |

MUD GUN SPARE PARTS



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SHEAR PUMP SPARE PARTS

Impeller and casing wear components for high-shear pumps used in chemical mixing and mud conditioning circuits.



SPARE PARTS LIST

- | | |
|-------------------|-------------------|
| ● Impeller | ● Bearing |
| ● Wear Plate | ● Bearing Housing |
| ● Volute Casing | ● Motor |
| ● Shaft Sleeve | ● Coupling |
| ● Mechanical Seal | ● Base Frame |
| ● Packing | |

HIGH-SHEAR MIXING PUMP

SHEAR PUMP SPARE PARTS



Motor Driven Pump Unit



Mechanical Seal



Impeller



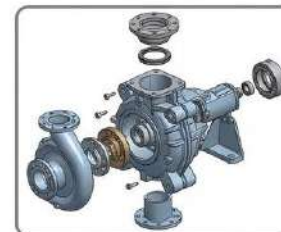
Volute Casing



Casing Set: Frame, Throat Bush, Cover Plate, FPL Insert



Wear Plate



Exploded Pump Assembly



Spare Parts Collection



Shear Impeller



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CENTRIFUGAL PUMP SPARE PARTS

Impeller, casing and seal components for centrifugal transfer pumps used across the solids control and mixing circuit.

SPARE PARTS LIST

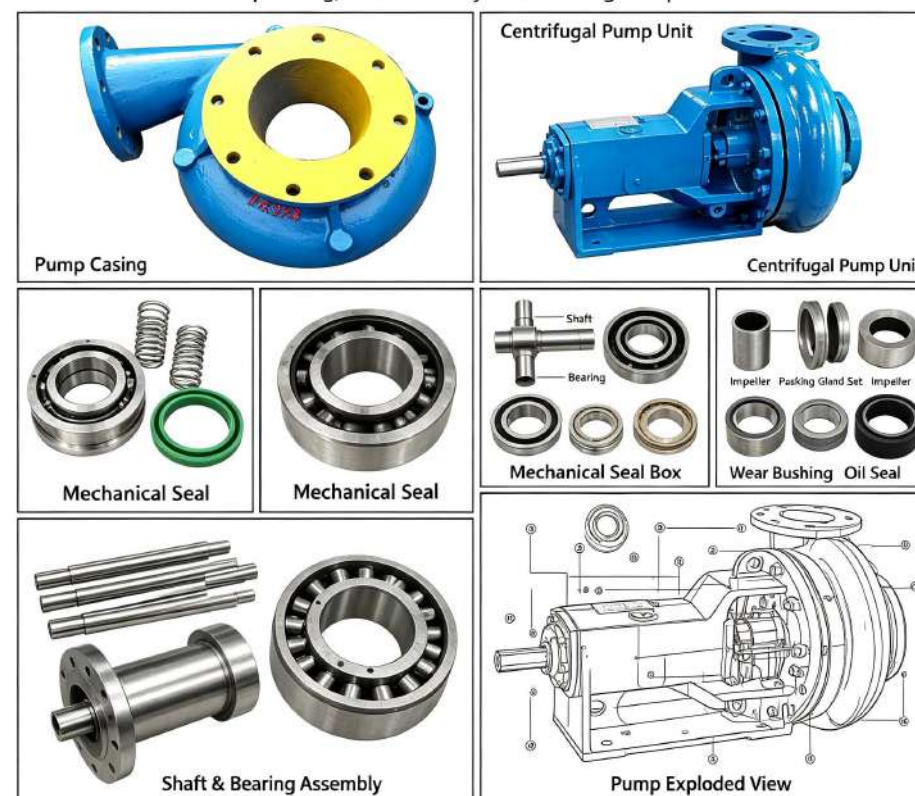
- Impeller
- Volute Casing
- Wear Ring
- Shaft
- Shaft Sleeve
- Mechanical Seal

- Packing Gland
- Bearing
- Bearing Housing
- Coupling
- Base Plate
- Motor

5X6X11 TYPE SERIES

Centrifugal Pump & Mechanical Seal Spare Parts

Pump Casing, Seal Assembly and Rotating Components



Casing · Impeller · Shaft · Bearing · Seal · Gland · Wear Bushing

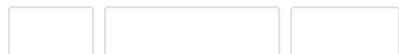


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SCREW PUMP SPARE PARTS

Rotor, stator and drivetrain components for progressive-cavity screw pumps handling high-viscosity drilling fluid transfer.



SPARE PARTS LIST

- Rotor
- Stator
- Drive Shaft
- Universal Joint
- Connecting Rod
- Mechanical Seal

- Packing
- Bearing
- Coupling
- Gearbox
- Motor



PROGRESSIVE CAVITY TYPE

PROGRESSIVE CAVITY SCREW PUMP SPARE PARTS



Exploded View & Bill of Materials



Universal Joint Connecting Rods



Rotor, Stator, & Full Set



Complete PC Pump & Motor



Drive Shaft



Mechanical Seals



Connecting Rod



Stator Bushing (Rubber)



PC Pump Coupling



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MIXING HOPPER SPARE PARTS

Venturi nozzle and hopper components for chemical and weighting-material mixing systems feeding the active mud system.



SPARE PARTS LIST

- | | |
|------------------|-----------------|
| ● Venturi Nozzle | ● Spray Nozzle |
| ● Hopper Body | ● Gasket |
| ● Eductor Throat | ● Clamp |
| ● Gate Valve | ● Support Frame |
| ● Manifold | |

VENTURI-TYPE CHEMICAL MIXING

MIXING HOPPER SPARE PARTS



Hopper Body



Support Frame



Manifold



Venturi Nozzle



Venturi Nozzle



Spray Nozzle



Eductor Throat



Eductor Throat



Manifold



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JET MUD MIXER SPARE PARTS

Complete mixing-hopper and manifold package components for skid-mounted jet mud mixing units.



SPARE PARTS LIST

- | | |
|--------------------|-------------------|
| ● Mixing Hopper | ● Suction Valve |
| ● Venturi Nozzle | ● Pressure Gauge |
| ● Manifold | ● Skid Frame |
| ● Centrifugal Pump | ● Piping Assembly |
| ● Discharge Valve | |

SKID-MOUNTED MIXING UNIT

Jet Mud Mixer Spare Parts | Skid-Mounted Mixing Unit

Centrifugal Pump



Discharge Valve



Manifold



Mixing Hopper



Suction Valve



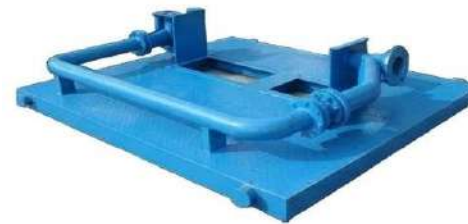
Pressure Gauge



Mixing Hopper

Suction Valve

Pressure Gauge



Skid Frame



Full Skid-Mounted Jet Mud Mixer
Complete Unit Reference



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MUD TANK ACCESSORIES

Structural and flow-control accessories fitted across the mud tank system, supplied individually or as a complete tank hardware package.

Universal Fit – All Major Rig Brands

SPARE PARTS LIST

- | | |
|--------------------|------------------|
| ● Walkway | ● Level Gauge |
| ● Handrail | ● Breather Valve |
| ● Tank Hatch | ● Ladder |
| ● Butterfly Valve | ● Grating Panel |
| ● Knife Gate Valve | ● Manway Cover |
| ● Sight Glass | |

WALKWAYS, VALVES & FITTINGS

MUD TANK ACCESSORIES		
Walkways, Valves & Fittings		
		
Tank Hatch	Manway Cover	Butterfly Valve
		
Knife Gate Valve	Breather Valve	Grating Panel
		
Handrail	Access Ladder	Degasser / Asset Reference



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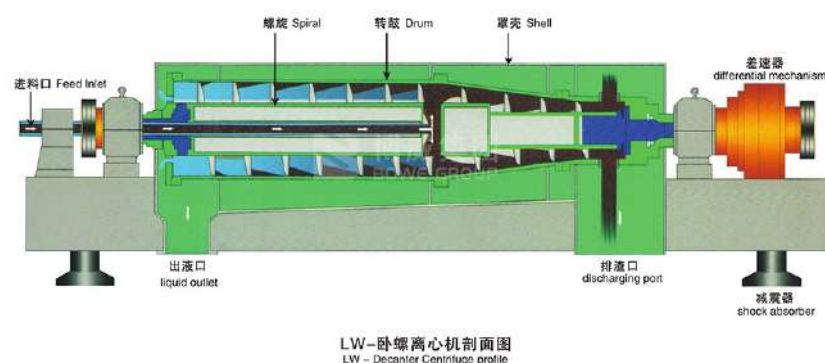


DECANTER CENTRIFUGE SPARE PARTS — CONTINUED

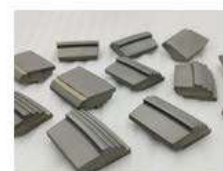
Bowl and wear-tile sizing reference across the most common decanter frame sizes we support. Exact dimensions are confirmed against your machine's nameplate or a physical sample.

FRAME SIZE	TYPICAL WEAR TILE SET
14" Series	Feed Zone + Beach Set
18" Series	Feed Zone + Beach Set
22" Series	Feed Zone + Beach + Discharge Set

Dimensions to be confirmed once frame-size photos / nameplates are supplied.



Decanter Centrifuge Spare Parts — Continued



Tungsten Carbide Wear Tiles Set



Decanter Main Bowl Cone



Discharge Cone Liner



Feed End Flange Assembly



Feed/Beach Zone Wear Tile



High Torque Planetary Gearbox



Wear Resistant Feed Tube Assy



Central Feed Distributor Tube



Tungsten Carbide Wear Bushing



Bowl Flange & O-Ring Kit

CHAPTER TWO

MUD PUMP SPARE PARTS

Fluid end & power end wear components for triplex and duplex mud pumps, cross-referenced to major OEM part numbering for fast identification.



MUD PUMP SPARE PARTS

Reliable Parts. Proven Performance.
Built for Demanding Drilling Operations.



Premium
Quality



Wide Product
Range



Fast Delivery
Worldwide



24/7 Technical
Support

FLUID END — LINER & PISTON ASSEMBLY

The most frequently replaced fluid-end wear set. Supplied in ceramic, chrome-carbide and rubber-cover options to match your fluid and pressure rating.

SPARE PARTS LIST

- | | |
|------------------|----------------------|
| ● Liner | ● Rod Clamp |
| ● Liner Retainer | ● Wash Pipe Assembly |
| ● Piston | ● Liner Lubricator |
| ● Piston Rubber | ● Liner Wash Ring |
| ● Piston Rod | |

TRIPLEX & DUPLEX PUMPS

FLUID END — LINER & PISTON ASSEMBLY (Triplex & Duplex Pumps)



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FLUID END — VALVE ASSEMBLY

Complete valve assemblies for suction and discharge duty, including seat and insert combinations for abrasive and standard drilling fluids.

SPARE PARTS LIST

- | | |
|------------------|----------------------|
| ● Valve Assembly | ● Valve Guide |
| ● Valve Seat | ● Valve Cover |
| ● Valve Insert | ● Retainer Clamp |
| ● Valve Spring | ● Seat Puller Thread |

SUCTION & DISCHARGE VALVES

FLUID END — VALVE ASSEMBLY (Suction & Discharge Valves)



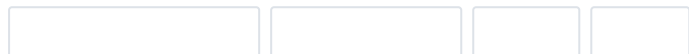
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FLUID END — CYLINDER HEAD & WEAR COMPONENTS

STRUCTURAL & WEAR ASSEMBLIES

Cylinder head, extension rod and wear-plate components protecting the fluid cylinder bore from abrasive wear during operation.



SPARE PARTS LIST

- | | |
|------------------------|------------------------|
| ● Cylinder Head | ● Head Bolt Set |
| ● Extension Rod | ● Stuffing Box |
| ● Wear Plate | ● Stuffing Box Packing |
| ● Cylinder Head Gasket | ● Module Gasket |

FLUID END — CYLINDER HEAD & WEAR COMPONENTS



Cylinder Head Gasket



Forged Cylinder Head Block



Stuffing Box



Wear Plate



Cylinder Head Gasket Set



Cylinder Head



Cone Packers

Cylinder Head
Fluid End ModuleExtension Rod
& Clamp Set

Extension Rod



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POWER END — CROSSHEAD & CONNECTING ROD

POWER END DRIVETRAIN

Crosshead assembly and connecting rod components converting rotary crankshaft motion into the reciprocating fluid end stroke.

- | | |
|---------------------------|---------------------|
| ● Crosshead | ● Wrist Pin |
| ● Crosshead Extension Rod | ● Wrist Pin Bushing |
| ● Crosshead Guide | ● Crosshead Bearing |
| ● Connecting Rod | ● Slush Pump Guide |

Mud Pump Power End — Crosshead & Connecting Rod

Spare Parts Overview



- | | | |
|---------------------------|------------------|---------------------|
| → Crosshead | → Connecting Rod | → Wrist Pin |
| → Crosshead Extension Rod | → Wrist Pin | → Wrist Pin Bushing |
| → Crosshead Guide | | → Slush Pump Guide |
| → Crosshead Bearing | | |
| → Slush Pump Guide | | |



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POWER END — CRANKSHAFT & GEAR TRAIN

Crankshaft, pinion shaft and bull gear assemblies — the highest-value, longest-lead-time components in the power end, available as OEM-spec replacements or reverse-engineered sets.

SPARE PARTS LIST

- | | |
|----------------|-------------------|
| ● Crankshaft | ● Eccentric Strap |
| ● Pinion Shaft | ● Counterweight |
| ● Bull Gear | ● Keyway Set |
| ● Pinion Gear | ● Thrust Collar |
| ● Main Bearing | |

MAIN DRIVETRAIN ASSEMBLY

POWER END — CRANKSHAFT & GEAR TRAIN



Name: F-Series Mud Pump



Name: Large Gear Ring Assembly



Name: Crankshaft Assembly



Name: F-Series Mud Pump (side-view detail)



Name: Bearing Housing



Name: Pinion Shafts



Name: Bearing Housing (variation)



Name: Crankshaft for F-Series Mud Pump



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POWER END — BEARINGS & OIL SEALS

Complete bearing and seal package for the power end housing, sourced from tier-one bearing brands or supplied as OEM-equivalent replacements.



SPARE PARTS LIST

- | | |
|--------------------------|--------------------|
| ● Main Bearing Set | ● Bearing Retainer |
| ● Pinion Bearing | ● Oil Slinger |
| ● Connecting Rod Bearing | ● Breather Filter |
| ● Idler Gear Bearing | ● Sight Gauge |
| ● Oil Seal | |

FULL BEARING SET



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SEALING & CONTROL — PACKING & PULSATION DAMPENER

FLUID END SEALING SYSTEM

Packing sets and pulsation control equipment that protect the fluid end from pressure spikes and maintain seal integrity under continuous cycling.

SPARE PARTS LIST

- | | |
|------------------------------|------------------|
| ● Packing Set | ● Charging Valve |
| ● Packing Ring | ● Diaphragm |
| ● Pulsation Dampener Bladder | ● Pre-Charge Kit |
| ● Dampener Body | |

SEALING & CONTROL — PACKING & PULSATION DAMPENER



Charging Valve (Style A)



Dampener Body



Diaphragm



Packing Set (Multi-V Style)



Packing Ring



Pre-Charge Kit



Pulsation Dampener Bladder



Packing Set Assembly



Charging Valve (Style B)



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SEALING & CONTROL — RELIEF VALVE & INSTRUMENTATION

PRESSURE PROTECTION & MONITORING

Relief valves, pressure gauges and monitoring instrumentation protecting the mud pump system from over-pressure events.

SPARE PARTS LIST

- | | |
|---------------------|-----------------------|
| ● Relief Valve | ● Pressure Transducer |
| ● Relief Valve Disc | ● Stroke Counter |
| ● Pressure Gauge | ● Suction Stabilizer |
| ● Gauge Isolator | ● Isolation Valve |

SEALING & CONTROL — RELIEF VALVE & INSTRUMENTATION



Flanged Relief Valve



Relief Valve Disc



Diaphragm-Seal Isolator



Pressure Gauge with Isolator



Mud Standpipe Pressure Gauge



Vibrating Standpipe Pressure Gauge



Instrument Isolation Valve



Pressure Transducer



Pump Stroke Counter



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Mud Pump Model Cross-Reference

Common triplex and duplex mud pump models we currently support with fluid-end and power-end spares. Additional models are added on request — send your pump nameplate for confirmation.

OEM BRAND	COMMON MODELS SUPPORTED	FLUID END SIZES	POWER END SPARES
National Oilwell Varco	8-P-80, 9-P-100, 10-P-130, 12-P-160, 14-P-220	4-1/2" - 9"	Available
Gardner Denver	PZ-7, PZ-8, PZ-9, PZ-10, PZ-11, PZ-1600	4-1/2" - 7-1/2"	Available
Emsco	F-500, F-800, F-1000, F-1300, F-1600, FB-1600	4-1/2" - 7"	Available
Wirth	TPK-1000, TPK-1600, TPK-2000, TPK-2200	6" - 7-1/2"	Available



FLUID END — PONY ROD & PISTON ROD ASSEMBLY

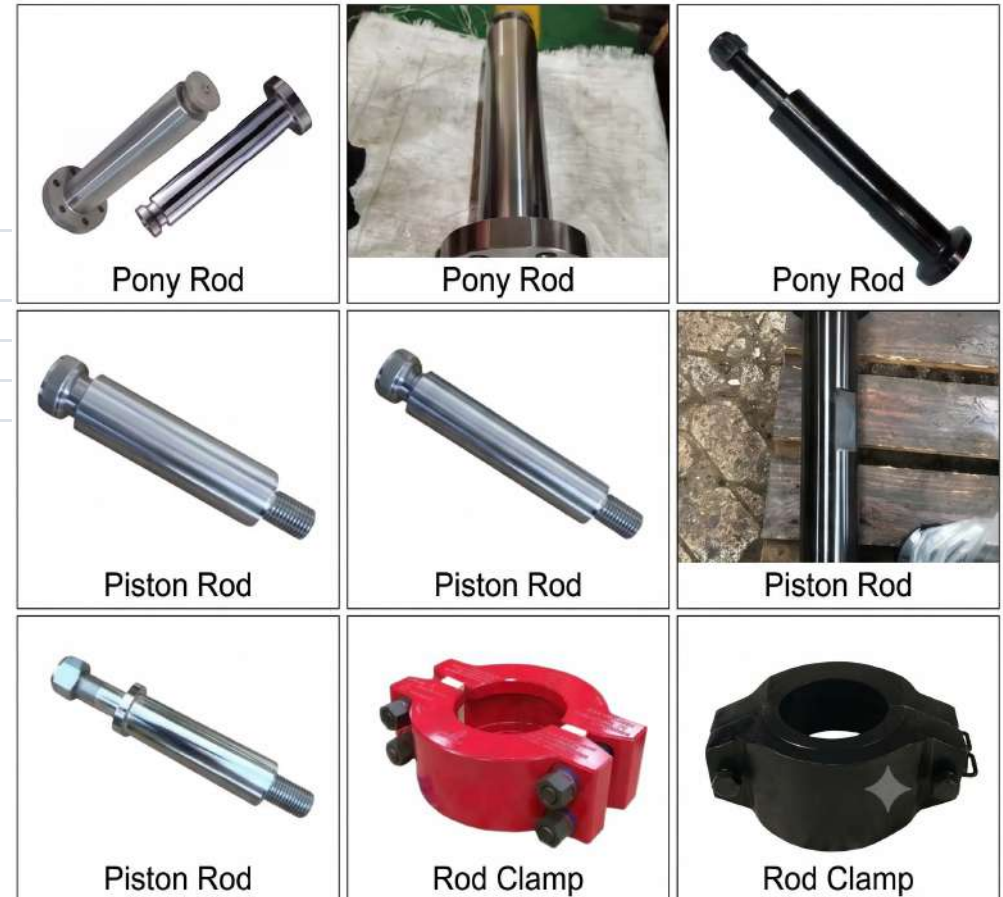
CONNECTING ROD SYSTEM

Pony rod and piston rod components linking the crosshead to the piston, supplied with matched rod clamps and thread-protector caps.

SPARE PARTS LIST

- | | |
|------------------------|---------------------|
| ● Pony Rod | ● Rod Coupling |
| ● Piston Rod | ● Rod Wiper Seal |
| ● Rod Clamp | ● Rod Guide Bushing |
| ● Rod Thread Protector | ● Lock Nut Set |

FLUID END — PONY ROD & PISTON ROD ASSEMBLY



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POWER END — LUBRICATION SYSTEM

Oil circulation components keeping the power end gear train and bearings cool and lubricated during continuous duty.

SPARE PARTS LIST

- | | |
|-------------------|-------------------------|
| ● Oil Pump | ● Thermostat Valve |
| ● Oil Filter | ● Suction Strainer |
| ● Oil Cooler | ● Pressure Relief Valve |
| ● Oil Pan | ● Oil Line Fitting Set |
| ● Oil Level Gauge | |

POWER END — LUBRICATION SYSTEM

SPLASH & FORCE-FEED TYPES



OIL FILTER



PRESSURE RELIEF VALVE

LUBRICATION SYSTEM OVERVIEW



**PRESSURE RELIEF VALVE
(ALTERNATE DESIGN)**



**PRESSURE RELIEF VALVE
(THREADED INLET)**



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MUD PUMP — BELTS, SHEAVES & DRIVE COMPONENTS

BELT-DRIVEN & DIRECT-DRIVE TYPES

Drive-side components transmitting motor power into the pump's main shaft, for both belt-driven and direct-coupled configurations.

SPARE PARTS LIST

- | | |
|-----------------|---------------------|
| ● V-Belt Set | ● Flexible Coupling |
| ● Drive Sheave | ● Coupling Element |
| ● Driven Sheave | ● Drive Shaft |
| ● Belt Guard | ● Torque Limiter |

MUD PUMP — BELTS, SHEAVES & DRIVE COMPONENTS



Drive Shaft



Drive Sheave



Driven Sheave



Flexible Coupling



Torque Limiter



V-Belt Set



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MUD PUMP — SKID, BASE & STRUCTURAL PARTS

Base skid, mounting frame and structural hardware supporting the pump assembly and isolating it from rig-floor vibration.

SPARE PARTS LIST

- | | |
|----------------------|-------------------|
| ● Base Skid | ● Lifting Lug |
| ● Mounting Frame | ● Access Platform |
| ● Anti-Vibration Pad | ● Guard Rail |
| ● Anchor Bolt Set | ● Drip Pan |

STRUCTURAL SUPPORT COMPONENTS



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MUD PUMP — FAST-MOVING CONSUMABLES

The mud pump wear items procurement teams reorder most frequently, stocked across our warehouse network for immediate dispatch.

SPARE PARTS LIST

- | | |
|------------------|------------------------------|
| ● Liner | ● Valve Insert |
| ● Piston | ● Packing Ring |
| ● Piston Rubber | ● Pulsation Dampener Bladder |
| ● Valve Assembly | ● Oil Seal |
| ● Valve Seat | ● Main Bearing |

QUICK-SHIP WEAR PARTS SUMMARY

MUD PUMP — FAST-MOVING CONSUMABLES QUICK-SHIP WEAR PARTS SUMMARY



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CHAPTER THREE

TOP DRIVE SPARE PARTS

Main shaft, gearbox, wash pipe and IBOP assemblies for electric and hydraulic top drive systems, plus pipe-handling and torque tool components.



CHAPTER THREE

TOP DRIVE SPARE PARTS

Main shaft, gearbox, wash pipe and IBOP assemblies for electric and hydraulic top drive systems, plus pipe-handling and torque tool components.



HIGH QUALITY
MATERIALS



PRECISION
MANUFACTURING



API STANDARD
COMPATIBLE



GLOBAL SUPPLY
& SUPPORT

TOP DRIVE — MAIN SHAFT & GEAR ASSEMBLY

Main shaft, gear train and drive-motor components forming the rotational core of the top drive unit.

SPARE PARTS LIST

● Main Shaft

● Gear Set

● Bearing

● Hydraulic Motor

● Electric Motor

● Gear Housing

● Thrust Bearing

● Shaft Coupling

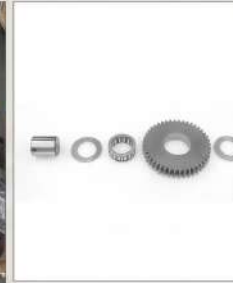
● Motor Mount

ELECTRIC & HYDRAULIC DRIVE TYPES

TOP DRIVE — MAIN SHAFT & GEAR ASSEMBLY



Gear Housing



Gear Set
(Small & Large)



Large Gear Set



Main Shafts



Hydraulic Drive
Motor



Thrust Bearing



Shaft Coupling



Top Drive System



IBOP Assembly



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TOP DRIVE — WASH PIPE & IBOP ASSEMBLY

Wash pipe and internal blowout preventer assemblies controlling mud flow through the quill and providing well-control isolation at the top drive.



SPARE PARTS LIST

- | | |
|----------------------|--------------------------|
| ● Wash Pipe Assembly | ● Saver Sub |
| ● Wash Pipe Packing | ● Quill |
| ● Upper IBOP | ● Gooseneck |
| ● Lower IBOP | ● Rotary Hose Connection |
| ● IBOP Seal Kit | |

MUD FLOW & WELL-CONTROL PATH

TOP DRIVE — WASH PIPE & IBOP ASSEMBLY MUD FLOW & WELL-CONTROL PATH



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TOP DRIVE — PIPE HANDLING & SEAL KITS

HANDLING TOOLS & CYLINDER ASSEMBLIES

Pipe handler, spinner and torque-wrench components used for making and breaking connections at the top drive, plus general seal kit coverage.

SPARE PARTS LIST

- | | |
|---------------------|----------------------|
| ● Pipe Handler | ● Clamp Assembly |
| ● Spinner Assembly | ● Seal Kit |
| ● Spinner Motor | ● Hydraulic Cylinder |
| ● Torque Wrench | ● Cylinder Seal Kit |
| ● Torque Wrench Jaw | ● Balance Cylinder |

TOP DRIVE — PIPE HANDLING & SEAL KITS



Pipe Handler



Spinner Assembly



Spinner Motor



Hydraulic Cylinder



Cylinder Seal Kit



Seal Kit



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CHAPTER FOUR

DRAWWORKS SPARE PARTS

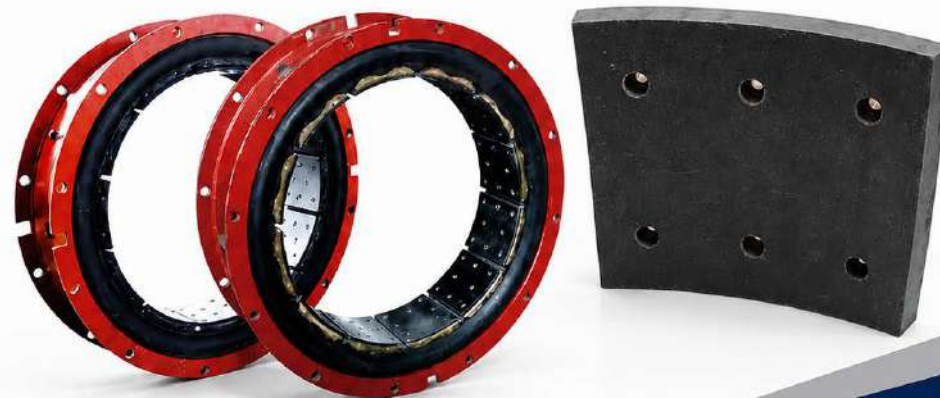
Brake, clutch, gearbox and drum assemblies for the primary hoisting system, supplied for both electric and mechanical drawworks configurations



CHAPTER FOUR

DRAWWORKS SPARE PARTS

Brake, clutch, gearbox and drum assemblies for the primary hoisting system, supplied for both electric and mechanical drawworks configurations.



PREMIUM
QUALITY



WIDE PRODUCT
RANGE



GLOBAL DELIVERY
SUPPORT



API STANDARD
COMPATIBLE

DRAWWORKS — BRAKE & CLUTCH ASSEMBLY

Brake and clutch components controlling hoisting drum speed and load during tripping operations.

SPARE PARTS LIST

- | | |
|-----------------|-------------------------|
| ● Brake Disc | ● Clutch Assembly |
| ● Brake Pad | ● Clutch Plate |
| ● Brake Caliper | ● Air Cylinder |
| ● Brake Band | ● Brake Rigging Linkage |
| ● Brake Lining | |

DISC & BAND BRAKE TYPES

DRAWWORKS — BRAKE & CLUTCH ASSEMBLY DISC & BAND BRAKE TYPES



Brake Band



Brake Band



Brake Disc



Brake Caliper



Brake Lining



Brake Pad



Brake Pad



Brake Pad



Brake Disc



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DRAWWORKS — DRUM, GEARBOX & BEARING

Drum, gearbox and bearing assemblies transmitting motor torque into wireline hoisting force.

SPARE PARTS LIST

- | | |
|---------------|----------------------|
| ● Drum Shaft | ● Bearing Housing |
| ● Drum Flange | ● Chain Sprocket |
| ● Gearbox | ● Drive Chain |
| ● Gear Set | ● Sand Reel Assembly |
| ● Bearing | |



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CHAPTER FIVE

ROTARY TABLE SPARE PARTS

Master bushing, bevel gear and bearing assemblies for mechanically and hydraulically driven rotary tables.



CHAPTER FIVE

ROTARY TABLE SPARE PARTS

Master bushing, bevel gear and bearing assemblies for mechanically and hydraulically driven rotary tables.



PREMIUM
QUALITY



PRECISION
MANUFACTURING



GLOBAL DELIVERY
SUPPORT



API STANDARD
COMPATIBLE

ROTARY TABLE — MASTER BUSHING & GEAR ASSEMBLY

MECHANICAL & HYDRAULIC DRIVE TYPES

Master bushing, bevel gear set and bearing components supporting rotary drive of the kelly or drill string.

SPARE PARTS LIST

- | | |
|------------------|---------------------|
| ● Master Bushing | ● Locking Cam |
| ● Kelly Bushing | ● Table Bowl |
| ● Bevel Gear Set | ● Rotary Table Seal |
| ● Pinion Shaft | ● Lock Pin Assembly |
| ● Main Bearing | |

ROTARY TABLE — MASTER BUSHING & GEAR ASSEMBLY



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CHAPTER SIX

TRAVELING EQUIPMENT

Crown block, travelling block, hook and sheave assemblies forming the hoisting line path from derrick crown to travelling block.



CHAPTER SIX

TRAVELING EQUIPMENT

Crown block, travelling block, hook and sheave assemblies forming the hoisting line path from derrick crown to travelling block.



PREMIUM
QUALITY



PRECISION
MANUFACTURING



GLOBAL DELIVERY
SUPPORT



API STANDARD
COMPATIBLE

TRAVELING EQUIPMENT — BLOCK, HOOK & SHEAVE

CROWN BLOCK & TRAVELLING BLOCK SERIES

Sheave, bearing and hook components for crown blocks and travelling blocks across common load-rating classes.

SPARE PARTS LIST

- | | |
|---------------------------|------------------|
| ● Crown Block Sheave | ● Hook Bearing |
| ● Travelling Block Sheave | ● Becket |
| ● Sheave Bearing | ● Wireline Guard |
| ● Hook Assembly | ● Sheave Pin |
| ● Hook Latch | |

TRAVELING EQUIPMENT — BLOCK, HOOK & SHEAVE



Crown Block



Travelling Block



Travelling Block



Becket



Crown Block Sheave



Sheave Assembly



Hook



Wireline Guard



Travelling Block (Detail)



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CHAPTER SEVEN

BOP SPARE PARTS

Ram, seal, bonnet and hydraulic control components for annular and ram-type blowout preventers.



CHAPTER SEVEN

BOP SPARE PARTS

Ram, seal, bonnet and hydraulic control components for annular and ram-type blowout preventers.



PREMIUM
QUALITY



PRECISION
MANUFACTURING



GLOBAL DELIVERY
SUPPORT



API STANDARD
COMPATIBLE

BOP — RAM & SEAL ASSEMBLY

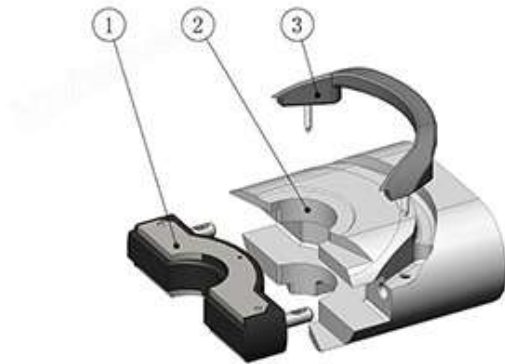
PIPE, BLIND & SHEAR RAM TYPES

Ram block and elastomer seal components for pipe, blind and shear ram configurations across common BOP bore sizes.



SPARE PARTS LIST

- | | |
|--------------|---------------------|
| ● Pipe Ram | ● Top Seal |
| ● Blind Ram | ● Side Seal |
| ● Shear Ram | ● Ram Shaft Packing |
| ● Ram Rubber | ● Wear Plate |
| ● Ram Packer | |



BOP — RAM & SEAL ASSEMBLY PIPE, BLIND & SHEAR RAM TYPES



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BOP — BONNET & HYDRAULIC CONTROL COMPONENTS

HYDRAULIC ACTUATION SYSTEM

Bonnet, cylinder and accumulator components actuating and sealing the BOP ram assembly under well-control pressure.



SPARE PARTS LIST

- | | |
|----------------------|--------------------------|
| ● Bonnet Assembly | ● Accumulator Bottle |
| ● Bonnet Seal | ● Accumulator Bladder |
| ● Hydraulic Cylinder | ● Control Manifold Valve |
| ● Piston Rod Seal | ● Regulator Valve |
| ● Operating Piston | |

BOP — BONNET & HYDRAULIC CONTROL COMPONENTS HYDRAULIC ACTUATION SYSTEM



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CHAPTER EIGHT

WELLHEAD EQUIPMENT

Casing head, tubing head and spool assemblies, together with the seals and hangers that complete the wellhead pressure envelope.



CHAPTER EIGHT

WELLHEAD EQUIPMENT

Casing head, tubing head and spool assemblies, together with the seals and hangers that complete the wellhead pressure envelope.



PREMIUM
QUALITY



WIDE PRODUCT
RANGE



GLOBAL DELIVERY
SUPPORT



API STANDARD
COMPATIBLE

WELLHEAD — CASING HEAD & TUBING HEAD ASSEMBLY

API 6A FLANGED & THREADED TYPES

Casing head and tubing head components forming the primary pressure-containing connections at surface, supplied to common API 6A bore and pressure ratings.

SPARE PARTS LIST

- | | |
|------------------|------------------|
| ● Casing Head | ● Tubing Hanger |
| ● Tubing Head | ● Bowl Protector |
| ● Head Studs | ● Test Plug |
| ● Head Seal Ring | ● Adapter Flange |
| ● Casing Hanger | |

WELLHEAD — CASING HEAD & TUBING HEAD ASSEMBLY API 6A FLANGED & THREADED TYPES



Casing Head



Casing Head (Detail)



Casing Hanger



Tubing Head



Tubing Head (Detail)



Adapter Flange



Head Seal Ring



Head Seal Ring (Detail)



Head Studs



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WELLHEAD — SPOOL, HANGER & VALVE COMPONENTS

CHRISTMAS TREE INTERFACE

Spool, hanger and valve components completing the wellhead stack and providing the interface to the Christmas tree.



SPARE PARTS LIST

- | | |
|----------------|------------------------|
| ● Tubing Spool | ● Swab Valve |
| ● Casing Spool | ● Ring Gasket |
| ● Spool Studs | ● Flange Protector |
| ● Master Valve | ● Pressure Gauge Valve |
| ● Wing Valve | |

WELLHEAD — SPOOL, HANGER & VALVE COMPONENTS CHRISTMAS TREE INTERFACE



Tubing Spool



Casing Spool



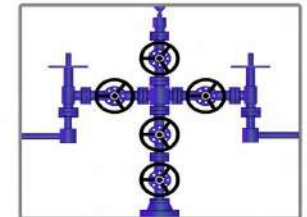
Tubing Spool



Master Valve



Master Valve



Swab Valve



Ring Gasket



Spool Studs



Ring Gasket



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CHAPTER NINE

CEMENTING EQUIPMENT

Pump, manifold and mixing system spares for cementing units used in casing and liner cementing operations.



CHAPTER NINE

CEMENTING EQUIPMENT



Pump, manifold and mixing system spares for cementing units used in casing and liner cementing operations.



PREMIUM
QUALITY



WIDE PRODUCT
RANGE



GLOBAL DELIVERY
SUPPORT

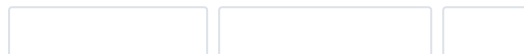


API STANDARD
COMPATIBLE

CEMENTING EQUIPMENT — PUMP, MANIFOLD & MIXING SYSTEM

SKID-MOUNTED CEMENTING UNITS

Fluid end, manifold and mixing components for cementing pump packages, supplied as individual parts or complete wear kits.



SPARE PARTS LIST

- | | |
|-------------------------|-----------------------------|
| ● Cementing Pump Liner | ● Recirculating Pump |
| ● Cementing Pump Piston | ● Densometer |
| ● Valve Assembly | ● Pressure Gauge |
| ● Manifold Valve | ● Discharge Hose Connection |
| ● Mixing Tub Paddle | |



CEMENTING EQUIPMENT — PUMP, MANIFOLD & MIXING SYSTEM SKID-MOUNTED CEMENTING UNITS



Cementing Unit Fluid End Assembly



Cementing Pump Liners



Cementing Pump Valve Assembly



Cementing Pump Pistons & Seals



Cementing Pump Piston (Detail)



Bonded Rubber Piston (Detail)



Cementing Pump Skid Overview



Red Cementing Pump Liner



Mixing Tub Paddles



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10

CHAPTER TEN

COILED TUBING EQUIPMENT

Injector head, reel and control-system components for coiled tubing units used in well intervention operations.



CHAPTER TEN

COILED TUBING EQUIPMENT

Injector head, reel and control-system components for coiled tubing units used in well intervention operations.



GRIPPER
BLOCK
FOR
HR580
SIZE:
1.50
1.75
2.00
2.38



PREMIUM
QUALITY



PRECISION
MANUFACTURING



GLOBAL DELIVERY
SUPPORT



API STANDARD
COMPATIBLE

COILED TUBING — INJECTOR, REEL & CONTROL SYSTEM

WELL INTERVENTION UNITS

Injector chain, gripper block and reel-drive components for coiled tubing injector heads and reel assemblies.



SPARE PARTS LIST

- | | |
|-----------------------|---------------------------|
| ● Injector Chain | ● Reel Bearing |
| ● Gripper Block | ● Stripper Rubber |
| ● Guide Arch | ● Control Valve |
| ● Level Wind Assembly | ● Hydraulic Hose Assembly |
| ● Reel Drive Motor | |



COILED TUBING — INJECTOR, REEL & CONTROL SYSTEM WELL INTERVENTION UNITS



Coiled Tubing Unit



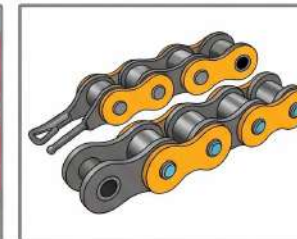
Coiled Tubing Injector



Coiled Tubing Reel



Control Valve



Injector Chain



Gripper Block



High-Pressure Hydraulic Hose



Drum Motor



Coiled Tubing Reel



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11

CHAPTER ELEVEN

WORKOVER RIG PARTS

Mast, substructure and hydraulic system spares for mobile and skid-mounted workover rig units.



CHAPTER ELEVEN

WORKOVER RIG PARTS

Mast, substructure and hydraulic system spares for mobile and skid-mounted workover rig units.



PREMIUM
QUALITY



PRECISION
MANUFACTURING



GLOBAL DELIVERY
SUPPORT



API STANDARD
COMPATIBLE

WORKOVER RIG — MAST, SUBSTRUCTURE & HYDRAULIC SYSTEM

MOBILE & SKID-MOUNTED UNITS

Structural and hydraulic components supporting mast raising, substructure levelling and general rig-up operations.



SPARE PARTS LIST

- | | |
|--------------------|------------------------|
| ● Mast Section | ● Hydraulic Power Unit |
| ● Mast Pin | ● Control Valve Bank |
| ● Raising Cylinder | ● Wireline Sheave |
| ● Substructure Leg | ● Guy Line Anchor |
| ● Leveling Jack | |



Typical Wear Parts - Mast Pin / Raising Cylinder / Leveling Jack



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12

CHAPTER TWELVE

DRILL PIPE HANDLING TOOLS

Elevator, slip, spider, clamp and tong assemblies used to handle drill pipe, casing and tubing at the rig floor.



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PREMIUM
QUALITY



PRECISION
MANUFACTURING



GLOBAL DELIVERY
SUPPORT



API STANDARD
COMPATIBLE

DRILL PIPE HANDLING — ELEVATOR & SLIP ASSEMBLY

MANUAL & HYDRAULIC TYPES

Elevator and slip components for handling drill pipe, drill collars and casing across common size and load ratings.



SPARE PARTS LIST

- | | |
|------------------|-----------------------------|
| ● Elevator Body | ● Slip Handle |
| ● Elevator Latch | ● Slip Segment |
| ● Elevator Bail | ● Safety Clamp |
| ● Slip Body | ● Drill Collar Safety Clamp |
| ● Slip Insert | |

DRILL PIPE HANDLING — ELEVATOR & SLIP ASSEMBLY



Drill Collar Safety Clamp



Black Safety Clamp



Elevator Bails



Elevator Body (Red)



Elevator Body Detail



Elevator Body (Orange)



Rotary Slip



General Safety Clamp



Split Elevator (Opened)



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DRILL PIPE HANDLING — SPIDER, CLAMP & TONG ASSEMBLY

RIG FLOOR HANDLING TOOLS

Spider, clamp and power tong components used for suspending and torqueing drill pipe and casing connections at the rig floor.

SPARE PARTS LIST

- | | |
|------------------|----------------------|
| ● Spider Body | ● Tong Die |
| ● Spider Insert | ● Tong Backup Clamp |
| ● Spider Bowl | ● Torque Gauge |
| ● Casing Clamp | ● Hydraulic Cylinder |
| ● Power Tong Jaw | |

DRILL PIPE HANDLING — SPIDER, CLAMP & TONG ASSEMBLY		
Spider Body 	Spider Bowl 	Spider Assembly 
Casing Clamp 	Power Tong Jaw 	Tong Die 
Hydraulic Cylinder 	Torque Gauge 	Pneumatic Spider Assembly 



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CHAPTER THIRTEEN

HYDRAULIC SYSTEM COMPONENTS

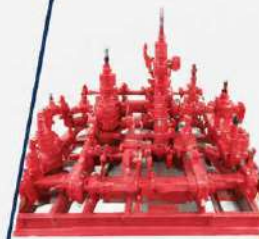
Cylinder, pump, valve, motor and accumulator components common across rig hydraulic power and control systems.



CHAPTER THIRTEEN

HYDRAULIC SYSTEM COMPONENTS

Cylinder, pump, valve, motor and accumulator components common across rig hydraulic power and control systems.



PREMIUM
QUALITY



PRECISION
MANUFACTURING



GLOBAL DELIVERY
SUPPORT



API STANDARD
COMPATIBLE

HYDRAULIC SYSTEM — CYLINDER, PUMP & VALVE COMPONENTS

GENERAL RIG HYDRAULIC SYSTEMS

Cross-equipment hydraulic components used across drawworks, top drive, BOP control and handling-tool systems.

SPARE PARTS LIST

- Hydraulic Cylinder
- Cylinder Seal Kit
- Hydraulic Pump
- Hydraulic Motor
- Directional Control Valve

- Relief Valve
- Check Valve
- Accumulator
- Filter Element
- Hose Assembly

HYDRAULIC SYSTEM — CYLINDER, PUMP & VALVE COMPONENTS

 Accumulator	 Hydraulic Pump	 Hydraulic Motor
 Cylinder Seal Kit	 Directional Control Valve	 BOP Hydraulic Valve Manifold
 Check Valve	 Cartridge Check Valve	 Cylinder Seal Kit 2



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CHAPTER FOURTEEN

ELECTRICAL COMPONENTS

PLC, explosion-proof motor, sensor and VFD components used across drilling rig electrical and control systems.



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PLC, explosion-proof motor, sensor and VFD components used across drilling rig electrical and control systems.



PREMIUM
QUALITY



PRECISION
MANUFACTURING



GLOBAL DELIVERY
SUPPORT



API STANDARD
COMPATIBLE

ELECTRICAL COMPONENTS — PLC, MOTOR & SENSOR

RIG CONTROL & INSTRUMENTATION

Control, drive and sensing components used across rig electrical systems, supplied to hazardous-area (explosion-proof) rating where required.

SPARE PARTS LIST

- | | |
|----------------------------------|-----------------|
| ● PLC Module | ● Limit Switch |
| ● Explosion-Proof Motor | ● Control Cable |
| ● VFD (Variable Frequency Drive) | ● Junction Box |
| ● Proximity Sensor | ● Encoder |
| ● Pressure Transmitter | |

ELECTRICAL COMPONENTS — PLC, MOTOR & SENSOR



PLC Module



Pressure Transmitter



Dual Pressure Transmitters



Encoder



Limit Switch



Dual Limit Switches



Multi-Limit Switches



Junction Box



Multiple Junction Boxes



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CHAPTER FIFTEEN

RUBBER & SEALING PARTS

Seal, O-ring, gasket, diaphragm and bellows components supplied across every equipment category in this catalogue.



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Seal, O-ring, gasket, diaphragm and bellows components supplied across every equipment category in this catalogue.



PREMIUM
QUALITY



WIDE PRODUCT
RANGE



GLOBAL DELIVERY
SUPPORT



API STANDARD
COMPATIBLE

RUBBER & SEALING PARTS — CROSS-EQUIPMENT RANGE

NBR / FKM / HNBR COMPOUNDS

Sealing components manufactured in nitrile, fluorocarbon and hydrogenated nitrile compounds to suit drilling fluid and temperature conditions.

SPARE PARTS LIST

- | | |
|-------------|--------------------------|
| ● Oil Seal | ● Rubber Sleeve |
| ● O-Ring | ● V-Packing |
| ● Gasket | ● Wiper Seal |
| ● Diaphragm | ● Rubber Buffer |
| ● Bellows | ● Mud Pump Piston Rubber |

RUBBER & SEALING PARTS — CROSS-EQUIPMENT RANGE



Bellows



Diaphragm



Gasket



Gasket



General Rubber Seal



General Rubber Seal



O-ring



O-ring



Skeleton Oil Seal

Diaphragm Protector



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CHAPTER SIXTEEN

BEARINGS

Cross-referenced bearing supply across SKF, NSK, FAG and TIMKEN series for solids control, mud pump, top drive and drawworks applications.



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Cross-referenced bearing supply across SKF, NSK, FAG and TIMKEN series for solids control, mud pump, top drive and drawworks applications.

SKF **NSK** **FAG** **TIMKEN**



PREMIUM
QUALITY



WIDE PRODUCT
RANGE



FAST DELIVERY
WORLDWIDE



API CERTIFIED
MANUFACTURER



OEM REVERSE
ENGINEERING

Bearing Cross-Reference

Common bearing series supplied across our equipment categories. Send your bearing's engraved number for an exact cross-reference and stock check.

APPLICATION	SKF SERIES	NSK / FAG / TIMKEN EQUIVALENT	TYPICAL LOCATION
Shale Shaker / Centrifuge	223xx / 233xx CC/VA405	Timken: 223xx/233xx W33AA FAG: 223xx-T41A	Motor & Drive End
Mud Pump Power End	NU 30xx / TNU 050xx	Timken: 220RU91 / TDO FAG: 546293 / 543436	Crankshaft / Pinion
Top Drive	294xx Thrust / 322xx Tapered	Timken: TTHD / TDO FAG: 294xx-E1	Main Shaft
Drawworks	222xx / 223xx CC	Timken: 222xx YMD FAG: 222xx-E1 / 223xx-E1	Drum Shaft



Fast-Moving Spare Parts

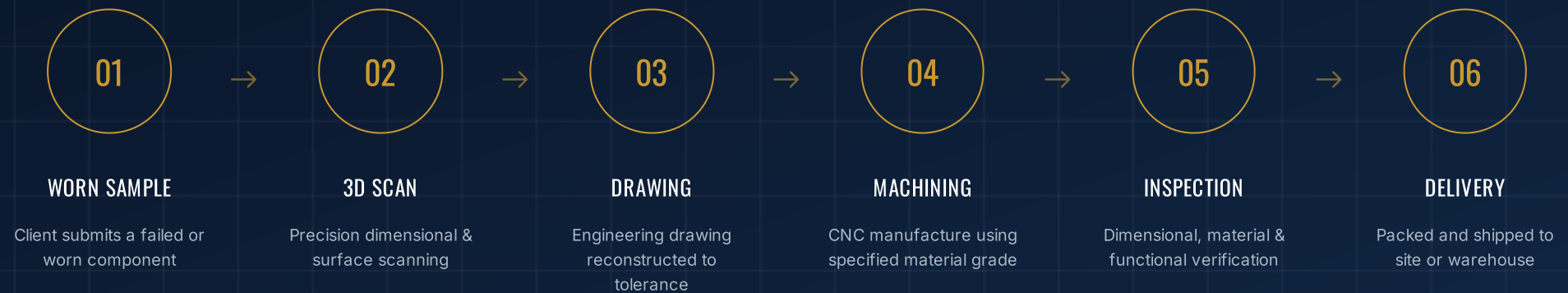
The consumables procurement teams reorder most often across every equipment category — stocked across our warehouse network for immediate dispatch.

 BEARING	 SEAL KIT	 VALVE	 SCREEN PANEL
 LINER	 PISTON	 V-BELT	 FILTER ELEMENT
 MECHANICAL SEAL	 MOTOR	 GASKET SET	 PRESSURE GAUGE
 O-RING KIT	 RAM RUBBER	 NOZZLE	 WEAR TILE

OUR BIGGEST DIFFERENTIATOR

REVERSE ENGINEERING SERVICE

When drawings are unavailable, obsolete, or restricted by the original manufacturer, TSS-TUP reproduces the part — not just its shape, but its function.



Typical lead time: [12 Days]

Material traceability certificate included

LOGISTICS

Global Supply Chain

Regional stock positioning and freight expertise built for oversized, heavy and time-critical drilling equipment shipments.

China

Middle East

Russia

Central Asia

Africa

South America



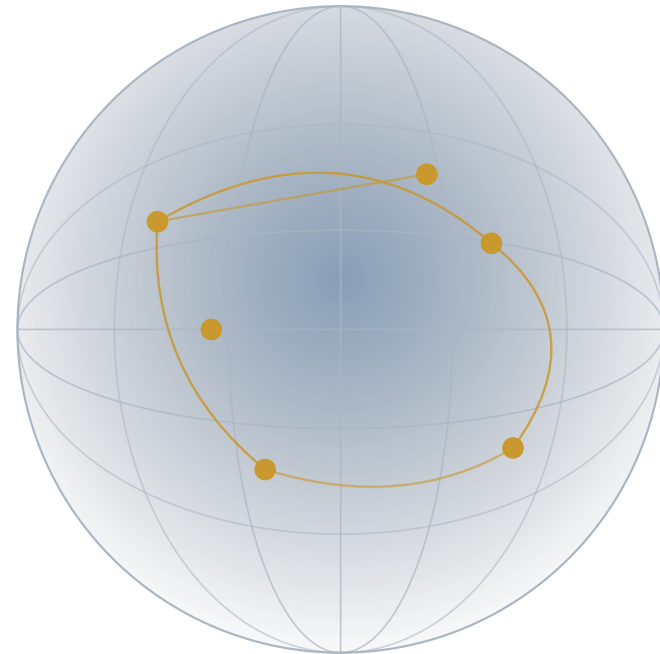
CargoX Handling



ICV Documentation



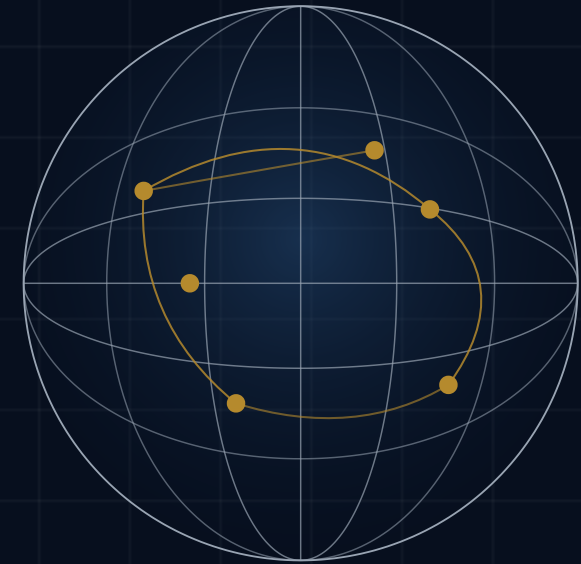
One Invoice





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Scan to browse the full product catalogue and
request a quote online.