



INDEX

CORPORATE STRUCTURE	05
WHO WE ARE	07
OUR VISION, MISSION & VALUES	09
PROVEN TRACK RECORDS	10
GLOBAL PRESENCE & INFRASTRUCTURE	11
INFRASTRUCTURE OVERVIEW	12
DRIVING SUSTAINABLE CHANGE	13
QUALITY CONTROL AND TECHNICAL SUPPORT	14
INDUSTRIES WE SERVE	15
GLOBAL REACH	17
PROJECTS SUPPLIED – KEY END USERS	19
PROJECTS SUPPLIED – EPC's	20
PRODUCT DETAILS	21
VALUE-ADDED SERVICES	35
PIPE CHART	37
LET'S CONNECT	41



01

CORPORATE STRUCTURE



شرفي القابضة
Sharafi Holding



**Bulk Piping
Solutions**

Logistics

**Facilities
Management**

Hospitality



المدار
AL MADAR



صحراء العرب
Arab Desert

**TSS
MIDDLE EAST
TUBACEX
GROUP**



مجموعة
S-HOTEL
فنادق س
GROUP



Manufacturing

**Information
Technology**

**Energy Saving
Solutions**

Properties



**Residential &
Commercial
Properties**

02

WHO WE ARE



Gerab National Enterprises is a leading stockist and bulk supplier of seamless and welded pipes, fittings, flanges, valves, pumps, connectors, drill bits, and accessories. With a strong footprint in the oil & gas, petrochemical, power, renewable energy, and civil industries, Gerab supports mega-projects across more than 60 countries worldwide.



Headquartered in Dubai and operating through strategic stock locations in the UAE, Saudi Arabia, and Iraq, Gerab is a trusted partner for timely, quality-assured piping solutions. Gerab's reputation is built on decades of unwavering commitment to quality, compliance, and customer satisfaction in critical industries worldwide.

03

OUR VISION, MISSION & VALUES



Our Vision

If it's a Piping solution, we will be there.

Our Mission

Passionately building relationships, cultivating trust, and adding value.

Core Values



Think customer first



Give & earn respect



Work together



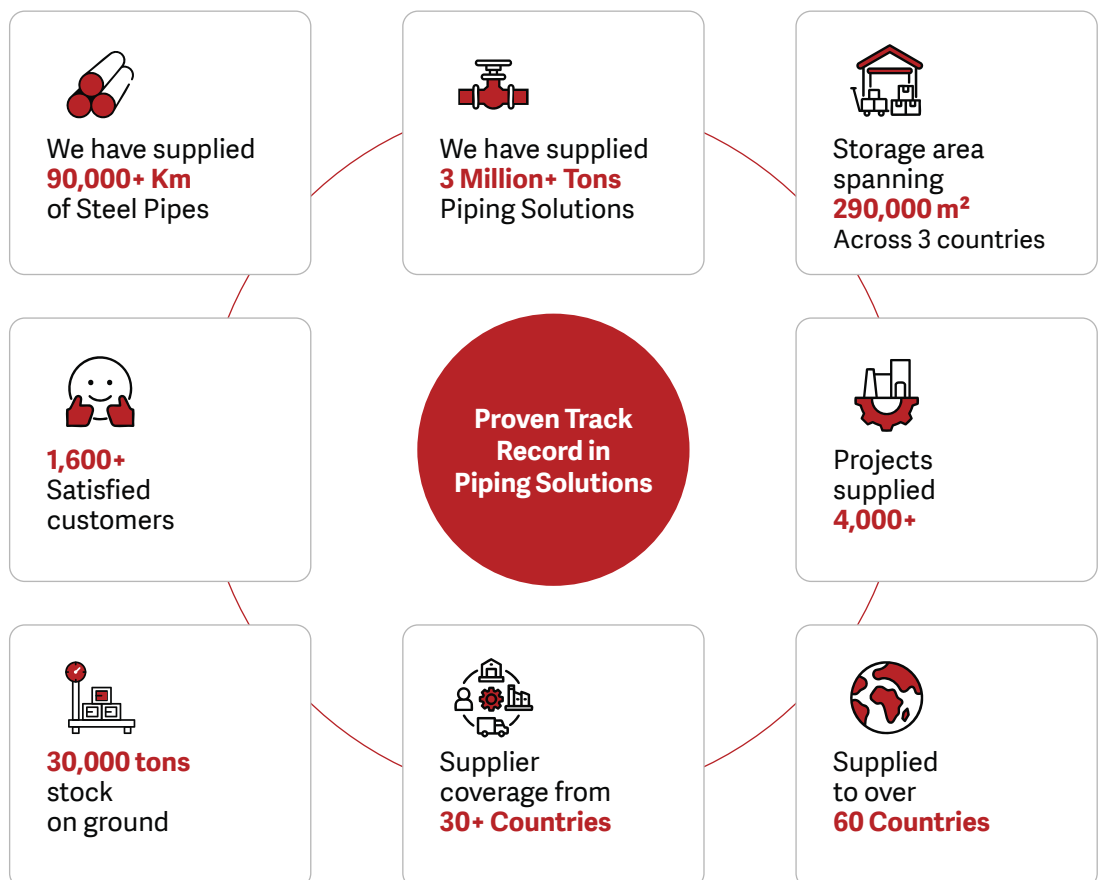
Take ownership



Innovate with simplicity

04

PROVEN TRACK RECORDS



05

GLOBAL PRESENCE & INFRASTRUCTURE

Gerab’s robust international footprint and world-class infrastructure form the backbone of our ability to deliver quality piping solutions across continents.



Global Presence



Headquarters
Dubai, United Arab Emirates



Strategic Warehousing Hubs
UAE, Saudi Arabia, Iraq



Regional Branch Offices
Abu Dhabi, Oman, Qatar, Saudi Arabia, Iraq, Kuwait,
China, India, South Korea, USA



Representative
Nigeria, Egypt, Jordan



Appointed Agent
Algeria, Sri Lanka



06

INFRASTRUCTURE OVERVIEW



Strategically located at the heart of global energy and infrastructure projects, Gerab's state-of-the-art facilities are equipped with advanced technology, automation, and IoT-enabled systems to ensure seamless operations and real-time visibility. Spanning a total area of 290,000 m² across covered warehouses and open yards, our logistics hubs in the UAE, Saudi Arabia, Iraq, and upcoming facilities in Abu Dhabi and Malaysia are designed to efficiently support customer projects with speed, accuracy, and reliability. These infrastructure capabilities reinforce our commitment to being a dependable supply chain partner for complex and large-scale requirements worldwide.

Total Area In Covered Warehouse and Open Yard: 290,000 m²

Covered Warehouse: **48,000 m²**

Open Yard: **242,000 m²**

Locations

UAE

Dubai JAFZA North & South

Saudi Arabia

Dammam Port Area and Azizia

Iraq

Um Qasr

Abu Dhabi

KEZAD

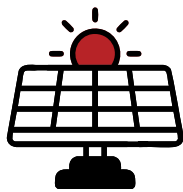
Malaysia

Upcoming

07

DRIVING SUSTAINABLE CHANGE

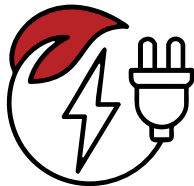
At Gerab, sustainability is at the core of our operations. We are committed to driving meaningful change through initiatives that reduce environmental impact and promote cleaner energy. From operating solar-powered facilities and implementing effective waste recycling programs to actively supporting clean energy projects.



**Solar Powered
Facility**



**Tree
Plantation**



**Supporting
Clean Energy Projects**



**Waste Recycle
Management**

Certifications

ISO 14001:2015

Environmental
Management Systems

ISO 45001:2018

Occupational
Health and Safety

ISO 50001:2018

Energy Management
Systems



08

QUALITY CONTROL AND TECHNICAL SUPPORT



At Gerab, quality is the cornerstone of our operations. Our dedicated technical and QC teams ensure every material meets stringent global standards through rigorous inspection, documentation, and continuous improvement.

Quality at Core



Expert Team

Skilled QC & technical team ensures materials meet exact specifications.



Specification Mastery

Proficient in global standards for reliable, compliant sourcing.



Thorough inspections

Detailed reviews to catch every issue before delivery.



Supply Chain Alignment

Our vendor management enforces consistent quality standards across the entire supply network.



Trusted validation

Collaborations with accredited labs and inspection agencies ensure materials are tested and verified.



Swift Issue Resolution

Technical issues are swiftly addressed through proactive analysis and effective solutions.



Comprehensive Documentation

We maintain clear traceability to ensure full transparency and compliance.



Continuous improvement

Ongoing process upgrades to boost efficiency & performance.

09

INDUSTRIES WE SERVE

At Gerab, we understand the unique requirements and critical performance standards of every industry we serve. Our tailored piping solutions and robust processes are designed to meet the specific demands of each sector—whether it's ensuring durability in Oil & Gas and Petrochemical applications, delivering corrosion-resistant materials for FPSO and Shipbuilding, or supporting thermal efficiency in HVAC and District Cooling. From high-specification systems in Water Desalination and Power Generation to hygienic-grade solutions for the Food and Processing Industry, Gerab's commitment to quality, reliability, and industry compliance ensures seamless support across all your project needs.



Data Centers



Oil and Gas



Petrochemicals

A circular image showing industrial gas storage tanks with thick white smoke or steam rising from the facility.

Industrial Gases

A circular image of a large ship's hull being constructed in a dry dock, with a large crane visible in the background.

Shipbuilding

A circular image showing the complex piping and machinery of a water desalination plant.

Water Desalination

A circular image showing the silhouettes of construction workers on a building site with cranes in the background.

Civil

A circular image of a Floating Production Storage and Offloading (FPSO) vessel at sea.

FPSO

A circular image of a power plant featuring large, rounded containment domes.

Power Industry

A circular image of a manufacturing facility with various mechanical parts and equipment on a production line.

Manufacturing Industry

A circular image showing industrial HVAC and district cooling equipment, including large pipes and valves.

HVAC And District Cooling

A circular image of a worker in a cleanroom environment wearing a hairnet and mask, holding a clipboard.

Food and Processing Industry

10

GLOBAL REACH

**// Delivering
Quality Materials
to Every Corner
of the World.**

**60+ Countries
Served.**

- Algeria

Angola

Australia

Azerbaijan

Bahrain

Bangladesh

Belgium

Brazil

Canada

China

Cyprus

Egypt

Fiji

Germany

Greece

India

Indonesia

Iraq
- Italy

Japan

Jordan

Kazakhstan

Kenya

Kuwait

Madagascar

Malaysia

Mexico

Netherlands

Nigeria

Norway

Oman

Pakistan

Philippines
- Poland

Qatar

Saudi Arabia

Singapore

South Africa

South Korea

Switzerland

Taiwan

Tanzania

Thailand

Trinidad and Tobago
- Tunisia

Turkey

UAE

Uganda

UK

USA

Uzbekistan

Vietnam





11

PROJECTS SUPPLIED – KEY END USERS

Gerab is a trusted supply partner to some of the world's leading energy and industrial giants. Our proven expertise and commitment to quality have enabled us to support critical projects across national and international end users.

	• ADNOC • DEWA • Dolphin Energy • Dubai Dry Docks • Emirates Global Aluminium • ENOC • Fujairah Oil Terminal		• Saudi Aramco • Sabic • Saline Water Conversion Corporation • TASNEE • Maaden • Neom • NWC national water company • PIF • Royal Commission • Saudi Electric Company		• Exxon Mobil • Dow Chemicals
	• The Egyptian Natural Gas Holding Company				• BASF Europe
	• Dangote				• SINOPEC
	• Qatar Energy • Qatar Gas • Oryx GTL • RLOC • RLP • Qatar Shell • QWC • QCHEM • QAPCO • QAFCO		• Basra Oil Company • Basrah Gas Company		• IOCL
			• Petronas		• GTCL
			• Total Energies		• Petrobras
			• British Petroleum (BP)		• JG Summit
	• Kuwait Oil Company (KOC) • Kuwait Gulf Oil Company (KGOC/JO) • Kuwait National Petroleum Company (KNPC)		• Shell		• Thai Oil Company • PTTEP
			• Occidental of Oman (OXY) • Petroleum Development Oman		• Sasol
					• ENI S.p.A.

12

PROJECTS SUPPLIED

– KEY EPCS

Gerab partners with leading EPC companies around the world, supplying critical piping solutions for complex and large-scale projects. Our deep industry expertise, technical support, and commitment to quality make us a trusted choice for engineering, procurement, and construction firms across diverse sectors.



- NPCC
- Petrofac



- Dopet
- Petroserv Limited
- Qatar Construction & Engineering



- Bechtel
- Fluor
- McDermott
- Schlumberger
- Wood Group
- KBR Inc



- Técnicas Reunidas



- ENPPI
- Petrojet



- Danieli
- SICIM
- Saipem
- Fisia Italimpianti
- Maire Tecnimont
- Techint Group



- CTCL corporation



- DL E&C
- Samsung E&A
- GS Engineering and Construction
- Hyundai Engineering and Construction Co Ltd
- Hyundai Engineering Company
- SGC E&C
- SGC eTEC
- HHI
- GS engineering
- DL EMC



- Clough Group
- McConnell Dowell
- Worley



- Chiyoda Corporation
- JGC Corporation



- CPECC
- Sinopec
- SEPCO
- Wison Engineering Co LTD
- CPP
- WISON



- Hatch
- SNC Lavalin



- Galfar



- Linde
- Thyssenkrupp Uhde



- Mechanical Engineering & Contracting Co. (MECC)
- Heavy Engineering Industries & Ship Building Co. (HEISCO)
- Combined Group Contracting Co. (CGC)
- Alghanim International



- Air Liquide
- Technip Energies
- Veolia
- Alstom



- Aker

13

PRODUCT DETAILS



Pipes

We supply seamless and welded pipes in all grades - carbon steel, alloy steel, stainless steel, duplex, super duplex, carbon alloy steel, and higher alloys.

Material	Norms	Range	Grade
Carbon Steel – Seamless	API, 5L, A106, A53, A333	1/4" - 24"	B, X42, X52, X60, X65, X70, X80 GrA, GrC Gr3, Gr6
Carbon Steel – Welded	API5L, A53, A671, A672	2"-120"	B, X42, X52, X60, X65, X70, X80 CC60, CC65
Alloy Steel - Seamless	A335	1/2" - 24"	P1, P11, P12, P22, P5, P9, P91, P92
Alloy Steel - Welded	A691	2"-120"	1CR, 1 1/4CR, 2 1/4CR, 5CR, 9CR, 91
Stainless Steel & Higher Grades - Seamless	A312, A790, B444	3/8" - 24"	TP304/304L, TP316/316L, TP32, TP321H, TP347, TP347H, UNS, S31803, S32750, N06625, N04400, N08825, N10276
Stainless Steel & Higher Grades - Welded	A312/A358, A790, B474	2" - 80"	TP304/304L, TP316/316L TP321, TP321H, TP347, TP347H, S31803, UNS, S32750, N06625, N04400, N08825, N1027

Fittings



Material	Norms	Range	Grade
Carbon Steel Seamless/Welded	A234, A420, A860 MSS, SP75	1/2" - 96"	WPB, WPL6, WPHY42, WPHY52, WPHY60, WPHY65, WPHY70, WPHY80
Carbon Steel – Forged	A105N, A350, A694	1/4" - 4" 1/2" - 2"	LF2, F42, F52, F60, F65, F70
Alloy Steel - Seamless/ Welded Forged	A234, A182	1/2" - 96" 1/4" - 4"	WP11, WP22, WP5, WP91 F1, F5, F11, F12, F22, F91, F92
Stainless Steel - Seamless/Welded Forged	A403, A815, A182	1/2" - 48" 1/2" - 16" 1/4" - 4"	WP304/304L, WP316/316L, UNS S31803, UNS S32750, F304/304L, N06625, F316/316L, F50, F51, F52, F53, F54, F55, F57, F60, F61

Types

- | | | |
|--------------|------------|----------|
| • Caps & End | • Coupling | • Elbow |
| • Reducer | • Plugs | • Tees |
| • Nipples | • Olets | • Others |



PRODUCT DETAILS

Flanges



Gerab Supplies a wide range of ASME flanges in class 150 to 2500 and API flanges in class 2000 to 20000.

Material	Norms	Range	Grade
Carbon Steel	A105N, A350, A694,A707	1/4"- 72", 12"- 48"	LF2, F42, F52, F60, F65, F70, L3 CL3, L5 CL3
Alloy Steel	A182	1/2"- 48"	F1, F11, F12, F22, F5, F91, F92
Stainless Steel & Higher Grades	A182, B564	1/2"- 60" 1/2"- 24", 1/2"- 60"	F304/304L, F316/316L, F50, F51, F52, F53, F54, F55, F57, F60, F61, N06625

Types			
• Blind • Lap Joint • Long Weld neck • Nipo • Orifice Slip On • Orifice Threaded	• Orifice Weld neck • Reducing Slip On • Reducing Socket Weld	• Reducing Threaded • Reducing Weld neck • Slip On • Socket weld	• Spacer • Spade • Spectacle • Threaded • Weld neck • Weldo

Gaskets

We supply a comprehensive range of gasket types across a wide range of sizes and material compositions in all metal grades, construction, and with applicable insulation kit options.



Material	Norms	Range
Carbon Steel/Stainless Steel with Outer, Inner Ring & Winding	Spiral Wound Gaskets	1/4" - 48"
Compressed Fiber Jointing Material - Neoprene, Epdm, Viton, NBR & Silicon	Non-Asbestos soft cut Gaskets	1/4" - 48"
Soft Iron, Stainless Steel, - 304, 316/316l in R, RX, BX, API 16.20 & API 6A	Ring Joint Gaskets	1/2" - 24"

Types

- Spiral Wound
- Ring Joint
- Compressed NAF (CNAF)
- Synthetic Fiber
- Flexible Graphite
- Compressed Asbestos
- PTFE
- Rubber

Nuts and Bolts



Supplier of nuts and stud bolts for high temperature and high tensile applications in carbon steel, alloy, and stainless steel & higher alloy.

Material	Range	Grade
Stud Bolts	1/4" - 3" 1/4" - 2"	B7, B7M, B8, B8M L7, L7M
Nuts	5/8" - 3"	2H, 2HM, Gr4, Gr8, Gr8M

Types

- Stud Bolt
- Stud Bar
- Washers
- Nut
- Jack Screw
- U bolts



PRODUCT DETAILS

Valves, Actuators and Control Panels

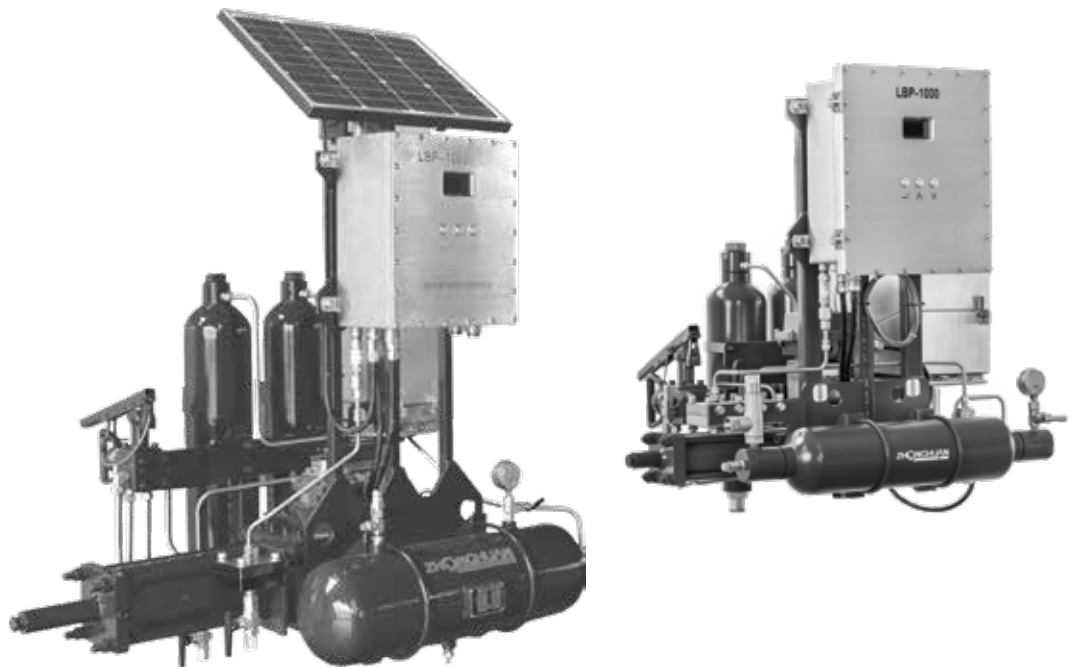
Our supply of valves includes a comprehensive range of gate, globe, check, ball, and butterfly valves. In all varieties of carbon steel, stainless steel, duplex, Bronze, and Iron.

Material	Size Range	Class Range	End Type Range	Standard/Specs
- Carbon Steel Forged - Carbon steel casting - Stainless Steel - Super Duplex Stainless Steel - Ductile Iron - Bronze - Inconel Alloy - Monel	- Less than 2" 2"- 60"	150 LB - 4500 LB 2K Psi - 20K Psi	- Flanged End - Welded End	- API6A - API 6D - API6DSS - API600 - API602 - API 608 - API 609 - WRAS - UL/FM - BS1873 - BS1868 - API594 - ISO 17292



Valve Type

- BALL VALVE
 - GATE VALVE
 - GLOBE VALVE
 - CHECK VALVE
 - PLUG VALVE
 - CHOKE VALVE
 - BUTTERFLY VALVE
 - PIG VALVE
 - DBB VALVE
 - CONTROL VALVE
 - INSTRUMENT VALVE
 - DUCTILE IRON VALVE (UL/FM)
 - PVC & UPVC VALVE
 - SDV & ESDV (SHUT DOWN VALVE)
 - MOV (MOTOR OPERATED VALVE)
 - HIPPS (HIGH INTEGRITY PRESSURE PROTECTION SYSTEM)
 - MULTIPORT FLOW SELECTOR (CHANGE OVER) MANIFOLD VALVE (MPFSV)
 - SELF CONTAINED SURFACE SAFETY VALVE SYSTEM
-

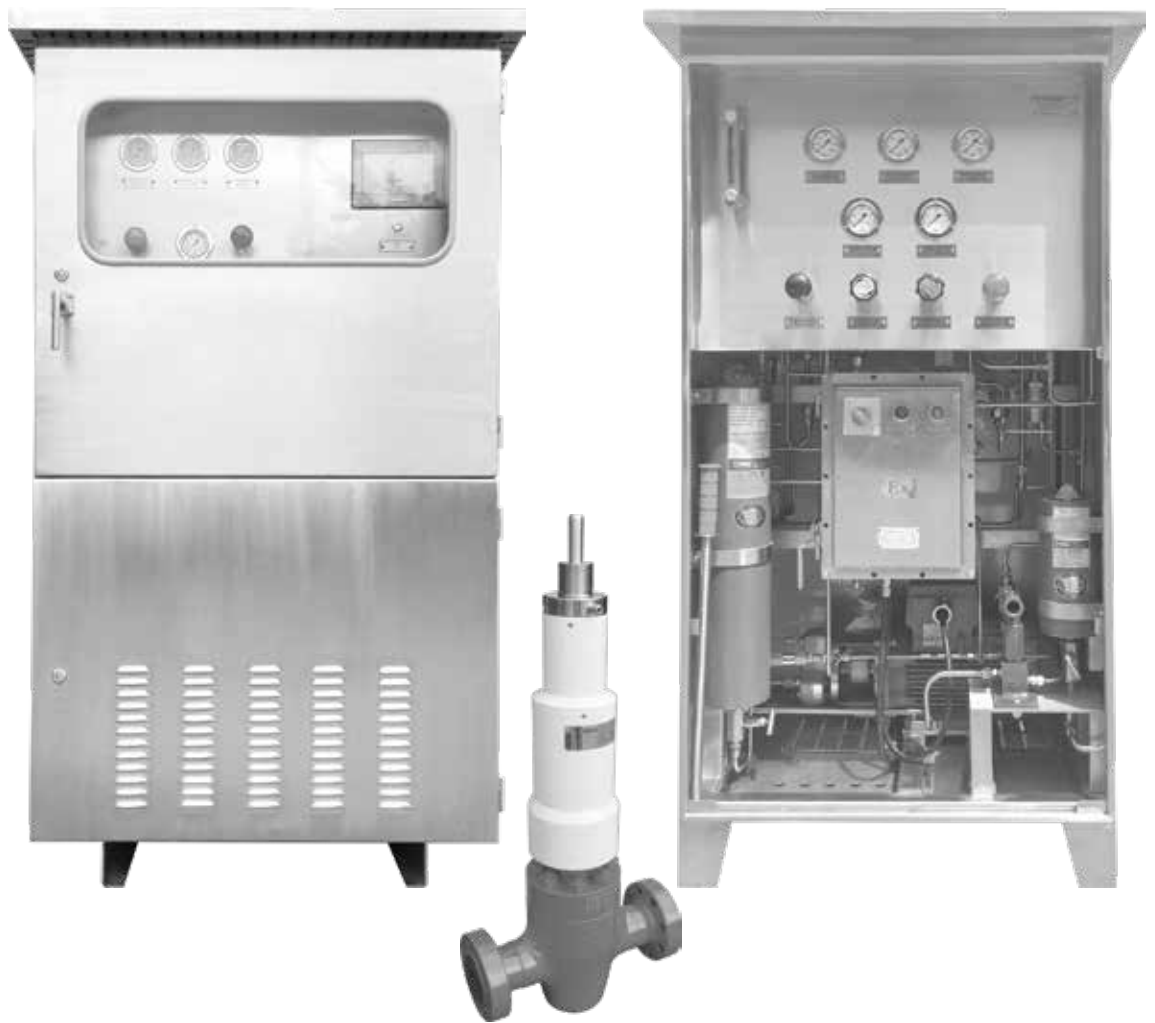


Actuator Type

- ELECTRIC ACTUATOR
 - ELECTRO-HYDRAULIC ACTUATOR
 - PNEUMATIC ACTUATOR
 - GAS OVER OIL ACTUATOR
 - SURFACE SAFETY VALVE ACTUATOR
-

PRODUCT DETAILS

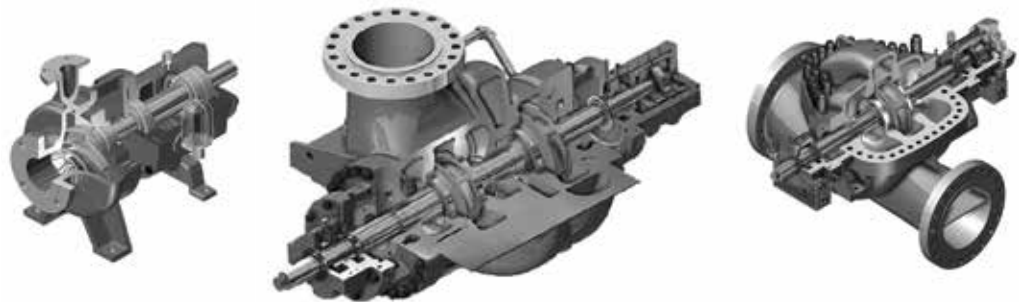
Valves, Actuators and Control Panels



Control Panels

- PNEUMATIC CONTROL PANEL
- HYDRAULIC CONTROL PANEL
- GAS-LIQUID HYBRID CONTROL PANEL
- MUTI-WELL CONTROL PANEL
- INTEGRATED WELLHEAD CONTROL PANEL
- SELF-CONTAINED EMERGENCY SHUTDOWN SYSTEM
- SURFACE CONTROLLED SUB-SURFACE SAFETY VALVE (SC-SSSV)
- WELLHEAD SAFETY CONTROL PANELS

Pumps



Gerab Supplies pumps of various types and standards to suit the oil, power, and process industries.

Type	Applications	Key Features
- Submersible type pumps - Single Stage End Suction Process Pump - High Pressure Pump - Diffuser Style Double Casing Pump - Diffuser Style Single Casing Pump - Diffuser Style Multistage Vertical Pump - In-Tank Pump - Two-Stage radially Split Heavy-duty Process Pump - Axially Split Multistage Pump - Axially Split Casing Double Suction Pump	- Refineries - Petrochemical Plants - Crude Oil and Liquefied Gas Transportation - Oil Drilling - Pulp & Paper industry - Water Treatment Plant/ Water Transport - Auxiliary system - LNG Terminal /Peak station/ Power Plant/ Transportation - Propane Dehydrogenation Unit - Ethylene Unit & Transportation - Power Generation Plant - Food, Metals & Fertilization - District Cooling/Heating - Flood Control - Cryogenic Applications - Storm Water	- High Efficiency - High Strength Design - Reliable Configuration - Convenient & Low Maintenance - Digital monitoring - Pressure Casing - Excellent Performance

PRODUCT DETAILS

Connectors

Gerab provides extensively tested and field-proven connectors. Gerab has a tie-up with Oil States to supply the connectors



Type	Applications	Key Features
- Merlin™ Connector - Lynx™ Connector - Leopard Connector - Puma Connector - Specialty Connectors - Swift Connector - MMR Connector - Specialty Welding	- TLP tether connectors - High-pressure drilling riser connections - FLNG water uptake riser connections - Casing and conductor applications - High-pressure workover/completion riser connections - Overshot or other LP riser connections - Manual release conduit - Jack-up or platform exploration or production drilling - New and asset integrity of seawater, fire water, & other caisson applications	- Extensively tested, including pressure, bending, tension, & fatigue 100% dimensionally checked as standard - Fast makeup/break out - Reusable - Gas-tight, metal-to-metal seal - Field proven - Easy disconnect subsea - Critical welding for deep water applications - Cladding services

Drill Bits

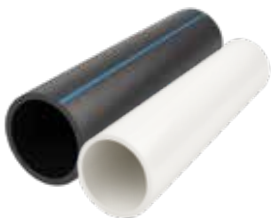
Supplier of diamond PDC bit with matrix body or steel body, ballset bit, natural diamond bit, core bit, and special application diamond bit sized from 3-1/2" to 26".



Product	Raw Material	Blade Feature	Gauge Feature
- Tough - Drill PDC Bit - High-Speed PDC Bit - Directional - Drill PDC Bit - Core Bits - Specialty Bits - Tri - Diameter PDC Bit - Torsional Impact Generator	- Normal Single - Row - Double - Row - Triple - Row - Hybrid - Row	- Asymmetric Blade - Vertical Blade - Spiral Blade	- Thermally Stable Diamonds - Double Row PDC Cutter

Non Metallic For Civil Applications

Gerab offers a reliable portfolio of non-metallic piping systems (Pipes, Fittings, and Valves) engineered for civil infrastructure and utility applications, ensuring durability, corrosion resistance, and ease of installation.



Product Type	Material Description	Key Benefits
HDPE	High-Density Polyethylene	Flexible, impact-resistant, leak-proof
PVC	Polyvinyl Chloride	Lightweight, easy to install, cost-efficient
GRP	Glass Reinforced Plastic	High strength, low maintenance
GRE	Glass Reinforced Epoxy	Corrosion-resistant, ideal for chemicals
PVDF	Polyvinylidene Fluoride	High chemical resistance, high purity
PPR	Polypropylene Random Copolymer	Excellent for hot/cold water, long life





PRODUCT DETAILS

Grooved Mechanical Couplings



Product Name	Size Range
Flexible Coupling	1" – 12"
Reducing Coupling	1¼" – 14" • 8" × 6"
Heavy Duty Flex. Cplg.	1¼" – 12" / 14" – 26"
Large Dia. Coupling	14" – 42"
Butt-Joint Rigid Coupling	1" – 12"
Angle Pad Rigid Cplg.	1¼" – 8"
Heavy Duty Angle Pad Rigid Cplg.	1½" – 12" / 14" – 24"
Extra Heavy Rigid Cplg.	2" – 12"
Extra Heavy End Protection Rigid Cplg.	2" – 12"
Hinged Lever Coupling	1½" – 10"
Outlet Coupling	1½" × ½" – 6" × 2½"
Std. Rigid Coupling	1½" – 24"
LW Rigid Coupling	1¼" – 8"
HDP Coupling	2" – 20" (50mm – 450mm)
HDP Transition Coupling	2" – 12" (63mm – 315mm)
For IPS Steel Pipe WILDCAT Coupling	1" – 12"



Grooved Mechanical Tees



Product Name	Size Range
Mechanical Tee (FPT)	2" x ¾" – 8" x 4"
Mechanical Tee (Grv)	2" x 1" – 8" x 4"
Saddle-Let	1¼" x ¾" – 2½" x 1½"

Grooved Flange Adapter



Product Name	Size Range
Flange Adapter	2" – 24"
Flange Adapter Class 300	2" – 12"
Flange Adapter	10" – 36"
Universal Flange Adapter	2" – 12"
Universal Reducing Flange Adapter	3" x 2" – 6" x 4"
HDP Flange	2" – 12" (63mm – 315mm)



PRODUCT DETAILS

Other Products



Product Name
Cold bends
Dish end
Dismantling joint
End seals
Expansion joints/bellows
Fire hydrants
Fiberglass grating
Insulation joints
Passive cooling shelters
Pig launchers/receivers
Piping spools
O rings
Pressure & temperature gauges

Product Name
Process skids and modular assembly
Shell & tube heat exchanger
Shrink sleeves
Soluble rings
Steel bevel protector clamp
Steel grating
Strainers oil & gas
Welding rods
Tubular Connector
Marine Crane
Custom design crane
Camlock / Quick / Hose Casing insulators





14

VALUE-ADDED SERVICES

Beyond Supply

Comprehensive value-added services tailored to your project needs, Gerab delivers a wide range of value-added services designed to support end-to-end project requirements:





16

PIPE CHART



INCHES UNITS ANSI PIPE SCHEDULE

OD=inches, Wall Thickness=Inches
Weight=lbs/ft, Vol/ft=ft³

NOMINAL PIPE SIZE INCHES	OD INCHES	10	20	30	STD	40	60	XS	80	100	120	140	160	XXS	Figures Based on Austenitic Steel				Shipping
															5S	10S	40S	80S	"Vol/ft ft ^{3m} "
1/8	0.405				0.068 0.24	0.068 0.24		0.095 0.31	0.095 0.31							0.049 0.19	0.068 0.24	0.095 0.31	0.0011
1/4	0.540				0.088 0.43	0.088 0.43		0.119 0.54	0.119 0.54							0.065 0.33	0.088 0.43	0.119 0.54	0.0020
3/8	0.675				0.091 0.57	0.091 0.57		0.126 0.74	0.126 0.74							0.065 0.42	0.091 0.57	0.126 0.74	0.0032
1/2	0.840				0.109 0.85	0.109 0.85		0.147 1.09	0.147 1.09				0.188 1.31	0.294 1.72	0.065 0.54	0.083 0.67	0.109 0.85	0.147 1.09	0.0049
3/4	1.050				0.113 1.13	0.113 1.13		0.154 1.48	0.154 1.48				0.219 1.95	0.308 2.44	0.065 0.68	0.083 0.86	0.113 1.13	0.154 1.48	0.007
1	1.315				0.133 1.68	0.133 1.68		0.179 2.17	0.179 2.17				0.250 2.85	0.358 3.66	0.065 0.87	0.109 1.41	0.133 1.68	0.179 2.17	0.0120
1 1/4	1.660				0.140 2.27	0.140 2.27		0.191 3.00	0.191 3.00				0.250 3.77	0.382 5.22	0.065 1.11	0.109 1.81	0.140 2.27	0.191 3.00	0.0191
1 1/2	1.900				0.145 2.72	0.145 2.72		0.200 3.63	0.200 3.63				0.281 4.86	0.400 6.41	0.065 1.28	0.109 2.09	0.145 2.72	0.200 3.63	0.0251
2	2.375				0.154 3.66	0.154 3.66		0.218 5.03	0.218 5.03				0.344 7.47	0.436 9.04	0.065 1.61	0.109 2.64	0.154 3.66	0.218 5.03	0.0392
2 1/2	2.875				0.203 5.80	0.203 5.80		0.276 7.67	0.276 7.67				0.375 10.02	0.552 13.71	0.083 2.48	0.120 3.53	0.203 5.80	0.276 7.67	0.0574
3	3.500				0.216 7.58	0.216 7.58		0.300 10.26	0.300 10.26				0.438 14.34	0.600 18.60	0.083 3.03	0.120 4.34	0.216 7.58	0.300 10.26	0.0851
3 1/2	4.000				0.226 9.12	0.226 9.12		0.318 12.52	0.318 12.52						0.083 3.48	0.120 4.98	0.226 9.12	0.318 12.52	0.1111
4	4.500				0.237 10.80	0.237 10.80		0.337 15.00	0.337 15.00		0.438 19.02		0.531 22.53	0.674 27.57	0.083 3.92	0.120 5.62	0.237 10.80	0.337 15.00	0.1406
5	5.563				0.258 14.63	0.258 14.63		0.375 20.80	0.375 20.80		0.500 27.06		0.625 32.99	0.750 38.59	0.109 6.36	0.134 7.78	0.258 14.63	0.375 20.80	0.2149
6	6.625				0.280 18.99	0.280 18.99		0.432 28.60	0.432 28.60		0.562 36.43		0.719 45.39	0.864 53.21	0.109 7.59	0.134 9.30	0.280 18.99	0.432 28.60	0.3048
8	8.625		0.250 22.38	0.277 24.72	0.322 28.58	0.322 28.58	0.406 35.67	0.500 43.43	0.500 43.43	0.594 51.00	0.719 60.77	0.812 67.82	0.906 74.76	0.875 72.49	0.109 9.92	0.148 13.41	0.322 28.58	0.500 43.43	0.5166
10	10.750		0.250 28.06	0.307 34.27	0.365 40.52	0.365 40.52	0.500 54.79	0.500 54.79	0.594 64.49	0.719 77.10	0.844 89.38	1.000 104.23	1.125 115.75	1.000 104.23	0.134 15.21	0.165 18.67	0.365 40.52	0.500 54.79	0.8025
12	12.750		0.250 33.41	0.330 43.81	0.375 49.61	0.406 53.57	0.562 73.22	0.500 65.48	0.688 88.71	0.844 107.42	1.000 125.61	1.125 139.81	1.312 160.42	1.000 125.61	0.156 21.00	0.180 24.19	0.375 49.61	0.500 65.48	1.1289
14	14.000	0.250 36.75	0.312 45.65	0.375 54.62	0.375 54.62	0.438 63.50	0.594 85.13	0.500 72.16	0.750 106.23	0.938 130.98	1.094 150.93	1.250 170.37	1.406 189.29		0.156 23.09	0.188 27.76			1.3611
16	16.000	0.250 42.09	0.312 52.32	0.375 62.64	0.375 62.64	0.500 82.85	0.656 107.60	0.500 82.85	0.844 136.74	1.031 164.98	1.219 192.61	1.438 223.85	1.594 245.48		0.165 27.93	0.188 31.78			1.7778
18	18.000	0.250 47.44	0.312 58.99	0.438 82.23	0.375 70.65	0.562 104.76	0.750 138.30	0.500 93.54	0.938 171.08	1.156 208.15	1.375 244.37	1.562 274.48	1.781 308.79		0.165 31.46	0.188 35.80			2.2500
20	20.000	0.250 52.78	0.375 78.67	0.500 104.23	0.375 78.67	0.594 123.23	0.812 166.56	0.500 104.23	1.031 209.06	1.281 256.34	1.500 296.65	1.750 341.41	1.969 379.53		0.188 39.82	0.218 46.10			2.7778
22	22.000	0.250 58.13	0.375 86.69	0.500 114.92	0.375 86.69		0.875 197.60	0.500 114.92	1.125 251.05	1.375 303.16	1.625 353.94	1.875 403.38	2.125 451.49		0.188 43.84	0.218 50.76			3.3611
24	24.000	0.250 63.47	0.375 94.71	0.562 140.81	0.375 94.71	0.688 171.45	0.969 238.57	0.500 125.61	1.219 296.86	1.531 367.74	1.812 429.79	2.062 483.57	2.344 542.64		0.218 55.42	0.250 63.47			4.0000
26	26.000	0.312 85.68	0.500 136.30		0.375 102.72			0.500 136.30											4.6944
28	28.000	0.312 92.35	0.500 146.99	0.625 182.90	0.375 110.74			0.500 146.99											5.4444
30	30.000	0.312 99.02	0.500 157.68	0.625 196.26	0.375 118.76			0.500 157.68							0.25 79.51	0.312 99.02			6.2500
32	32.000	0.312 105.69	0.500 168.37	0.625 209.62	0.375 126.78	0.688 230.29		0.500 168.37											7.1111
34	34.000	0.312 112.36	0.500 179.06	0.625 222.99	0.375 134.79	0.688 245.00		0.500 179.06											8.0278
36	36.000	0.312 119.03	0.500 189.75	0.625 236.35	0.375 142.81	0.750 282.62		0.500 189.75											9.0000
38	38.000				0.375 150.83			0.500 200.44											10.0278
40	40.000				0.375 158.85			0.500 211.13											11.1111
42	42.000				0.375 166.86			0.500 221.82											12.2500
44	44.000				0.375 174.88			0.500 232.51											13.4444
46	46.000				0.375 182.90			0.500 243.20											14.6944
48	48.000				0.375 190.92			0.500 253.89											16.0000

PIPE CHART

SI-UNITS | (METRIC) ANSI PIPE SCHEDULE

OD=mm, Wall Thickness= mm
Weight=kg/m, Vol/m=m³

NOMINAL PIPE SIZE INCHES	OD mm	10	20	30	STD	40	60	XS	80	100	120	140	160	XXS	Figures Based on Austenitic Steel				Shipping "Vol/m m ³ "
															5S	10S	40S	80S	
1/8	10.29				1.73 0.37	1.73 0.37		2.41 0.47	2.41 0.47							1.24 0.28	1.73 0.37	2.41 0.47	0.0001
1/4	13.72				2.24 0.63	2.24 0.63		3.02 0.80	3.02 0.80							1.65 0.49	2.24 0.63	3.02 0.80	0.0002
3/8	17.14				2.31 0.84	2.31 0.84		3.20 1.10	3.20 1.10							1.65 0.63	2.31 0.84	3.20 1.10	0.0003
1/2	21.34				2.77 1.27	2.77 1.27		3.73 1.62	3.73 1.62				4.78 1.95	7.47 2.56	1.65 0.80	2.11 1.00	2.77 1.27	3.73 1.62	0.0005
3/4	26.67				2.87 1.68	2.87 1.68		3.91 2.19	3.91 2.19				5.56 2.89	7.82 3.64	1.65 1.02	2.11 1.28	2.87 1.68	3.91 2.19	0.0007
1	33.40				3.38 2.50	3.38 2.50		4.55 3.24	4.55 3.24				6.35 4.24	9.09 5.45	1.65 1.29	2.77 2.09	3.38 2.50	4.55 3.24	0.0011
1 1/4	42.16				3.56 3.39	3.56 3.39		4.85 4.46	4.85 4.46				6.35 5.61	9.70 7.76	1.65 1.65	2.77 2.69	3.56 3.39	4.85 4.46	0.0018
1 1/2	48.26				3.68 4.05	3.68 4.05		5.08 5.41	5.08 5.41				7.14 7.24	10.16 9.55	1.65 1.90	2.77 3.11	3.68 4.05	5.08 5.51	0.0023
2	60.32				3.91 5.44	3.91 5.44		5.54 7.48	5.54 7.48				8.74 11.12	11.07 13.45	1.65 2.39	2.77 3.53	3.91 5.44	5.54 7.48	0.0036
2 1/2	73.02				5.16 8.64	5.16 8.64		7.01 11.41	7.01 11.41				9.52 14.91	14.02 20.40	2.11 3.69	3.05 5.26	5.16 8.64	7.01 11.41	0.0053
3	88.90				5.49 11.29	5.49 11.29		7.62 15.27	7.62 15.27				11.13 21.35	15.24 27.68	2.11 4.52	3.05 6.46	5.49 11.29	7.62 15.27	0.0079
3 1/2	101.60				5.74 13.57	5.74 13.57		8.08 18.64	8.08 18.64						2.11 5.18	3.05 7.41	5.74 13.57	8.08 18.64	0.0103
4	114.30				6.02 16.08	6.02 16.08		8.56 22.32	8.56 22.32		11.13 28.32		13.49 33.54	17.12 41.03	2.11 5.84	3.05 8.37	6.02 16.08	8.56 22.32	0.0131
5	141.30				6.55 21.17	6.55 21.17		9.52 30.94	9.52 30.94		12.70 40.28		15.88 49.12	19.05 57.43	2.77 9.46	3.40 11.56	6.55 21.77	9.52 30.94	0.0200
6	168.28				7.11 28.26	7.11 28.26		10.97 42.56	10.97 42.56		14.27 54.20		18.26 67.56	21.95 79.21	2.77 11.31	0.134 13.83	7.11 28.26	10.97 42.56	0.0283
8	219.08		6.35 33.31	7.04 36.81	8.18 42.55	8.18 42.55	10.31 53.08	12.70 64.64	12.70 64.64	15.09 75.91	18.26 90.43	20.62 100.92	23.01 111.26	22.23 107.88	2.77 14.78	3.76 19.97	8.18 42.55	12.70 64.64	0.0480
10	273.00		6.35 41.76	7.80 51.01	9.27 60.29	9.27 60.29	12.70 81.53	12.70 81.53	15.09 95.98	18.26 114.71	21.44 133.01	25.40 155.1	28.58 172.27	25.40 155.15	3.40 22.61	4.19 27.78	9.27 60.28	12.70 81.53	0.0745
12	323.80		6.35 49.71	8.38 65.19	9.52 73.79	10.31 79.71	14.27 108.93	12.70 97.44	17.48 132.05	21.44 159.87	25.40 186.92	28.58 208.08	33.32 238.69	25.40 186.92	3.96 31.24	4.57 35.58	9.52 73.79	12.70 97.47	0.1048
14	355.60	6.35 54.69	7.92 67.91	9.52 81.25	9.52 81.25	11.13 94.55	15.09 126.72	12.70 107.40	19.05 158.11	23.83 194.98	27.79 224.66	31.75 253.58	35.71 281.72		3.96 34.34	4.78 41.36			0.1265
16	406.40	6.35 62.65	7.92 77.83	9.52 93.18	9.52 93.18	12.70 123.31	16.66 160.13	12.70 123.31	21.44 203.54	26.19 245.57	30.96 286.66	36.53 333.21	40.49 365.38		4.19 41.56	4.78 47.34			0.1652
18	457.20	6.35 70.60	7.92 87.75	11.13 122.44	9.52 105.11	14.27 155.88	19.05 205.84	12.70 139.22	23.88 254.68	29.36 309.78	34.92 363.66	39.67 408.48	45.24 459.62		4.19 46.81	4.78 53.33			0.2090
20	508.00	6.35 78.56	9.52 117.03	12.70 155.13	9.52 128.96	15.09 183.43	20.62 247.84	12.70 155.13	26.19 311.19	32.54 381.55	38.10 441.52	44.45 508.15	50.01 564.85		4.78 59.32	5.54 68.65			0.2581
22	558.80	6.35 86.51	9.52 128.96	12.70 171.04	9.52 128.96		22.22 294.03	12.70 171.04	28.58 373.71	34.92 451.15	41.28 526.85	47.62 600.32	53.98 672.03		4.78 65.31	5.54 75.59			0.3123
24	609.06	6.35 94.47	9.52 140.89	14.27 209.51	9.52 140.89	17.48 255.25	24.61 355.04	12.70 186.95	30.96 441.80	38.89 547.36	46.02 639.62	52.37 719.68	59.54 807.68		5.54 82.53	6.35 94.47			0.3710
26	660.40	7.92 127.44	12.70 202.86		9.52 152.81			12.70 202.86											0.4361
28	711.20	7.92 137.36	12.70 218.77	15.88 272.30	9.52 164.74			12.70 218.77											0.5058
30	762.00	7.92 147.29	12.70 234.68	15.88 292.20	9.52 176.67			12.70 234.68							6.35 118.34	7.92 147.29			0.5806
32	813.00	7.92 157.25	12.70 250.65	15.88 312.17	9.52 188.64	17.48 342.94		12.70 250.65											0.6610
34	864.00	7.92 167.21	12.70 266.63	15.88 332.14	9.52 200.61	17.48 364.92		12.70 266.63											0.7465
36	914.00	7.92 176.97	12.70 282.29	15.88 351.73	9.52 212.35	19.05 420.45		12.70 282.29											0.8354
38	965.00				9.52 224.33			12.70 298.26											0.9312
40	1016.00				9.52 236.30			12.70 314.23											1.0323
42	1067.00				9.52 248.27			12.70 330.21											1.1385
44	1118.00				9.52 260.25			12.70 346.18											1.2499
46	1168.00				9.52 271.99			12.70 361.84											1.3642
48	1219.00				9.52 283.96			12.70 377.81											1.4860



17

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