



Bi-directional Pigs (Metal-Bodied)

IKS metal-bodied bi-directional pigs are engineered to deliver dependable performance during pipeline cleaning, gauging, and maintenance operations, maintaining high durability in severe industrial environments. They are available in sizes ranging from 2" to 60" to accommodate various pipeline applications.



1 Bi-directional Disc Pigs

Primary Use:

Water or air displacement during hydrostatic testing and light debris removal.

Flexibility & Sizing:

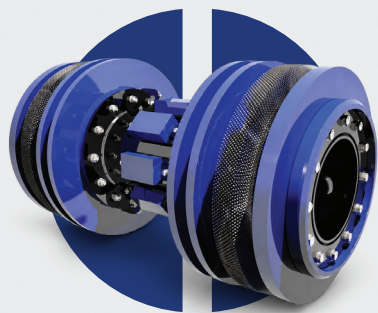
Sizes from 2" to 14" feature a single-bolt mandrel shaft structure, while sizes up to 60" are built with a multi-bolt structural framework.

Standard Design:

Equipped with 6 polyurethane discs (2 guide/support discs to ensure centralization, and 4 sealing/scraping/drive discs).

Optional Add-ons:

Can be outfitted with brushes, plow blades, spider discs, magnets for ferrous debris collection, gauging plates, and transmitter cavities.



2 Bi-directional Brush Pigs

Primary Use:

Intensive cleaning and removing scaling or solid deposits from internal pipe walls

Cleaning Components:

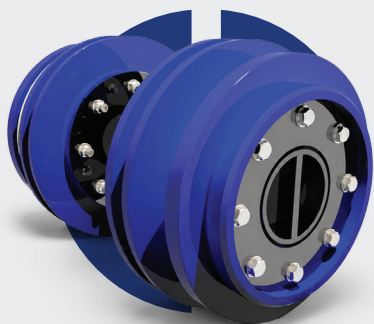
Features 2 guide discs, 4 sealing discs, and 2 circular scraping brushes for aggressive cleaning.

By-pass Ports:

Equipped with fluid bypass holes to flush debris ahead of the pig, preventing brush and disc fouling or line plugging.

Brush Types:

Standard carbon steel wire, Stainless Steel (SS) wire, or nylon/polypropylene bristles for internally coated pipelines.



3 Bi-directional Gauging Pigs

Primary Use:

Verification of pipeline integrity, ensuring the line is free of dents, buckles, or structural defects post-laying

Gauging Plates:

Manufactured from 6mm thick aluminum, precision-machined to cover 90% to 95% of the pipe's internal diameter (available as solid or slotted plates).

Standard Specifications:

A robust body layout equipped with 5 polyurethane discs (2 guide and 3 sealing/drive discs)



General Engineering Specifications

All metal-bodied pigs are designed in accordance with the highest industry standards to guarantee field performance and reliability, including:

Ability to safely cross full-bore openings and valves.

Full availability for Magnetic Particle Inspection (MPI).

Multi-bolt structural welding executed in compliance with BS EN ISO 15614-1:2004+A1:2008.

Capability to traverse bends with a minimum radius of 1.5D (and 3D for brush pigs).

Standard integration of front polyurethane bumper noses to protect both the pig and the pipeline during runs.





THANK YOU



www.iksaudi.com



+966 13 8095254



sales@iksaudi.com



Dammam 2nd Industrial City
Road 122 by 23, Bldg. No.3744,
34325 Dammam,