

# PHAZER ZRD

## SAP 1001542002

- Low coefficient of friction providing low torque and drag.
- Suitable for long horizontal and ERD well bores.
- High strength axial and radial loading.
- Exceptionally durable materials suitable for high temperature wellbores and long life cycles.
- High strength Carbon Kevlar composite low friction material providing best in class wear resistance.
- Carbon Kevlar offers 60 times wear resistance of PTFE. Ensures consistent ultra low friction performance to final target depth in ERD wells.
- Patent pending Robotic manufacturing ensuring high quality repeatable product.
- Free flow solid blade design provides excellent cement placement and guaranteed stand-off.
- Centralizer placement / T&D analysis available.
- Sizes available 4 1/2" – 9 5/8".
- Made in Saudi Arabia



TECHNICAL INFORMATION	
Size	9 5/8" x 12.1"

Dimensions	Inches
Blade OD	12.00"
ID	9.764"
Length	10.0"
Hole Size	12.25"

Specifications	
Centraliser Type	Solid Body
Centraliser Material	Zinc Alloy
Blade Type	RH Spiral
Number of Blades	5
Flow by Area	34.25 in <sup>2</sup>
Temp Rating	> 400F
Coated Pipe Suitable	No
Chemical Resistant	Yes
Weight	12.5Kg
Axial Load Rating	> 100 tons
Side Load Rating	As Per Casing

Contract Information	
ARAMCO SAP	1001542002
SAJA Part Number	000059-00
Vulcan Part Number	PHZRD-09625-1200
Revision Date	24th Nov 2025