



شرکت دانش بنیان مه راد صنعت خلاق (رادکو)

## Pipeline Repair Products

High Pressure & High Temperature  
Offshore & Onshore Pipeline

**MahRad Sanat Khallagh co (RADCO), Ltd**

### Main Office:

Science and Technology Park

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### Manufacturing Workshop:

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**EPRS Brochure**



## Pipeline Repair Products

# PRODUCT DETAIL

## MATERIAL SPECIFICATIONS:

ASTM A106, ASTM A516, ASTM A216

ASTM A105, ASTM A694 FORGING, AISI 4140

**Elastomer Seals:** HNBR, Viton or Buna-N

**Studs & Nuts:** ASTM A193 Gr. B7, A194 Gr. 2HM heavy hex nuts

**Coating:** Epoxy / Col Tar Epoxy/ Mastic Epoxy/ Glass Flake Epoxy

## DESIGN PARAMETERS:

**Nominal Pipe Size (NPS):** any API Specification 5L pipe and wall thickness

**Service:** Standard (i.e. crude oil, natural gas, hydrocarbons, water, chemical, etc.)

**Design Pressure Rating:** up to ANSI Class 2500

**Hydrostatic Test Pressure :** 1.2-1.5 times Design Pressure Rating

**Design Life:** 25 years

## APPLICABLE DESIGN CODES & STANDARDS:

ASME Section VIII, Division 1 and 2

ASME B31.4, ASME B31.8

ASME B18.2.1,

API SPEC 5L,

ASME PCC-2,

DNV-OS-F101, DNVGL-RP-F113,

API SPEC 6H,

NACE MR0175, ISO 15156.

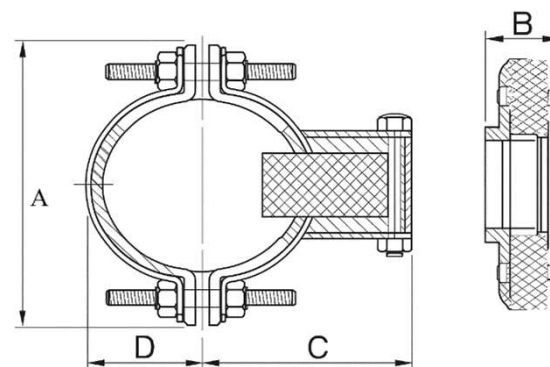
## CERTIFICATIONS:

IPICB Oil & Gas Type Approval Certificate

ISO 9001:2015– Accredited by BRSM Quality Management



The Yoke Type Quick Opening Closure (QOC) is a specialized pressure vessel component, designed for safe, quick, and reliable access to pipelines, filters, separators, and process vessels. RADCO's closures are engineered to ASME standards, meeting the demands of critical operations in oil, gas, petrochemical, and industrial plants.



This drawing is for general representation only



<b>Safety Device</b>	Pressure warning/bleed device, mechanical locking
<b>Nominal pipe size (NPS)</b>	4 inch~56 inch
<b>ANSI Pressure Rating</b>	ASME/ANSI B16.5 , 16.47 #150 ~#2500
<b>Main Body Material</b>	ASTM A516 Gr. 70 / ASTM A105 / Equivalent Carbon Steel
<b>Inboard seal</b>	Buna-N packing is standard. HNBR, Viton, Silicone
<b>End Connections</b>	Welded or Flanged (as specified)
<b>Design Features</b>	External yoke, safety locking, pressure warning device, O-ring seal
<b>Opening Mechanism</b>	Hand-operated yoke & swing-arm)

Nominal Size (in)	Over-all A	OD at Welding Bevel	Back to Hub Length B	Center to Hinge End C	CENTER to Free End D	YOKE CLEARANCE j	Opening Clearance M	Approx. Weight (kg)	Class
18	850	458	200	400	320	730	530	300	150-H
18	975	458	280	450	350	750	570	430	300-H
22	1075	559	320	520	390	920	690	600	300-H

Product details for any sizes and ANSI ratings will be issued upon client request.