

Pipeline Repair Products

High Pressure & High Temperature
Offshore & Onshore Pipeline

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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 PCC-2,
ASME B31.4 , ASME B31.8	DNV-OS-F101, DNVGL-RP-F113,
ASME B18.2.1,	API SPEC 6H,
API SPEC 5L,	NACE MR0175, ISO 15156.



CERTIFICATIONS:

IPICB Oil & Gas Type Approval Certificate
 ISO 9001:2015– Accredited by BRSM Quality Management

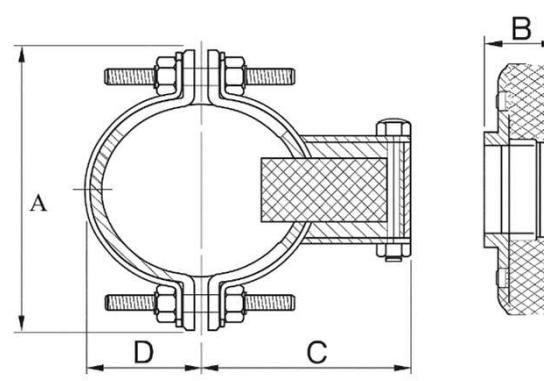
Yoke Type Quick Opening Closures

RADCO

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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

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

Nominal Size (in)	Overall 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.