

Pipeline Clamp

Structural & Leak Preventing



2025

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Split Sleeve Clamp

RADCO

Brochure

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Pipeline Clamps are split mechanical fittings designed for permanent repair of damaged or leaking pipelines. These fittings are manufactured in both structural and non-structural configurations. The non-structural type is intended for pipelines with minor defects such as pinhole leaks, localized wall thinning, or shallow dents. The structural type is engineered to restore the mechanical integrity of pipelines experiencing more severe damage, including cracked girth welds, kinks, or punctures.

Service	Oil / Gas/ Condensate /Hydrocarbons/ Petrochemical/Water
Application	Subsea / Onshore/ Underground
Design Code	ASME SECVIII, DNV GL RP F113, ASME PCC2
Nominal pipe size (NPS)	3 inch~56 inch
Sealing Length	Standard and non standard length – Upon Client Request
ANSI Pressure Rating	#150 ~#2500
Main Body Material	Acc to API Specification 6H, A694, A105, A516, A216, ...
Inboard seal	Buna-N packing is standard. HNBR, Viton, Silicone and other packings are available upon request.
Coating	Epoxy / Col Tar Epolxy/ Mastic Epoxy/ Marine Epoxy/ Glass Flake Epoxy

Split Sleeve Clamp

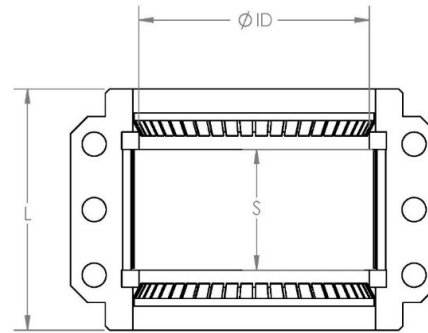


Split Sleeve Clamp General Dimension

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Pipeline Nominal Size (in)	Clamp Inside Diameter (ID)	Seal Active STANDARD Length (S)	Clamp Overall STANDARD Length (L)
3	4	5 ¼	8 ½
4	5	5 ¼	8 ½
6	7 1/8	5 ¼	8 ½
8	9 1/8	5 ¼	9
10	11 ¼	5 ½	10
12	13 ¼	5 ½	10 ½
14	14 ½	8	10 ½
16	16 ½	8	14
18	18 ½	8	14
20	20 ½	8	14
22	22 ½	8	14
24	24 ½	8	14
26	26 ½	8	14
28	28 ½	8	14
30	30 ½	8	14
32	32 ½	8	14
34	34 ½	8	14
36	36 ½	8	14 1/8
38	38 ½	8	14 ¼
40	40 ½	8	14 ¼
42	42 ½	8	14 7/8
48	48 ½	8	16
56	56 ½	8	17

In addition to this standard range, RADCO can respond to client request for customized solutions, such as increased sealing lengths, increased overall lengths and etc.

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



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January 1, 2026

Split Sleeve Clamp Specification

Items	Description
Service	Crude Oil / Gas/ Condensate ...
Application	Subsea / Onshore/ Underground
Design Code	ASME B31.4, ASME B31.8
Nominal pipe size (NPS)	4 nch~56 inch
Pipeline grade	API 5L
Pipeline wall thickness	TBD
Engineering design	ASME PCC2, ASME SECVIII, DNV GL RP F113
Sealing Length	Standard and non standard
ANSI Pressure Rating	#150 ~#2500
Design Temperature	TBD
Main Body Material	Acc to API SPECIFICATION 6H A694, A105, A516
Inboard seal	Compatible wtih Fluid (Buna N (NBR) ...)
Protection sheet	SS 304L
Coating	Epoxy / Col Tar Epolxy/ Mastic Epoxy/ Marine Epoxy
Stud bolts and Nuts	A 193 B7M , A 194 (2HM)
Lifting Hooks	Yes
Hanger & Hinges	Yes
Packing	Wooden Pallet

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