

# GS HYDRO

## GS Hydro Bonded Seals



## GS Hydro Bonded Seals

### Specifications

ISO 6162 / ISO 6164

### Material Specifications

Metallic Ring: Steel/ Stainless Steel

### Size Range

1/2" – 8"

### Size Available

ANSI 36.10

ANSI 36.19

Metric size

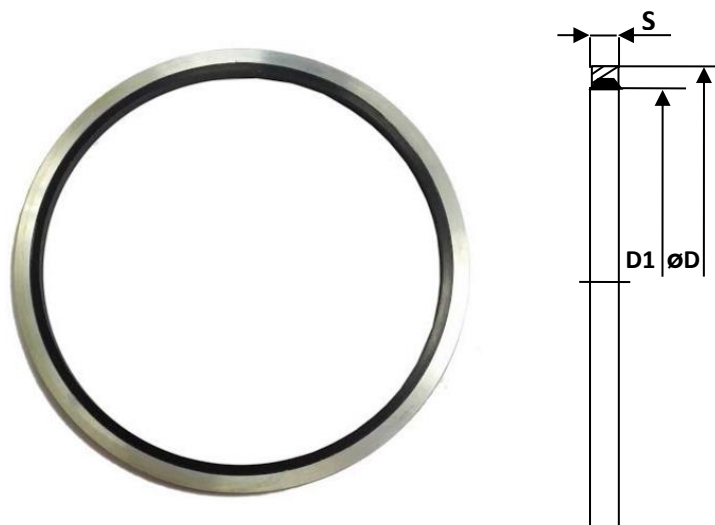


### Features

- Used in pipeline systems and provide a tight end to end connection to prevent leakage
- The seal consists of a metallic ring and a nitrile rubber seal (NBR) which joined together
- Nitrile rubber (NBR rubber)
  - An elastomer material
  - Can withstand temperature ranging from -35°C to +120°C
  - Great resistance to petroleum products, wear and tear, flame retarded fluids, abrasion and compression
- Stainless steel metallic ring (SS302)
  - Excellent resistance against corrosion
  - Resistant to harsh weather conditions
  - Also contain other elements that makes it resistant to corrosion such as:

Elements	Content (%)
Chromium (Cr)	18.2
Manganese (Mn)	1.6
Carbon (C)	0.06
Iron (Fe)	Balance
Nickel (Ni)	8.5
Silicon (Si)	0.5

**Bonded Seal**  
**ISO 6162 (SAE J 518)**



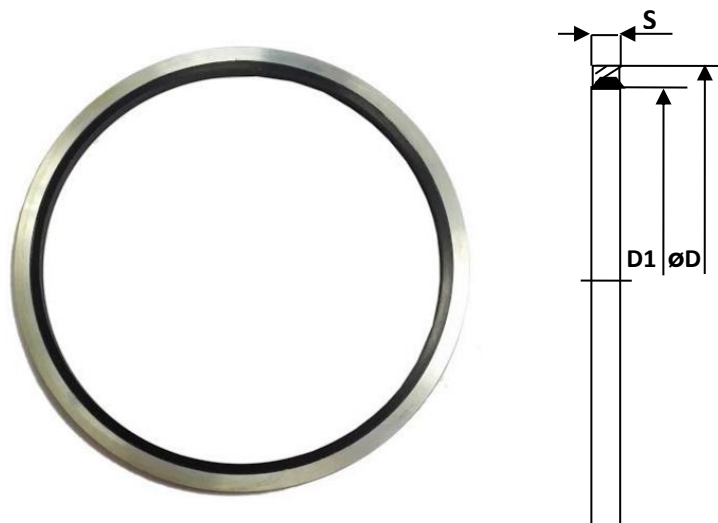
**Bonded Seal for Metric GS-pipe Ends**

Size	STD Part No	SS Part No	S	D	D1
1/2"	0823	0823SS	2.03	23.80	17.28
3/4"	1213	1213SS	2.34	33.27	24.26
1"	1629	1629SS	2.34	34.93	27.05
1 1/4"	2030	2030SS	3.25	42.80	33.89
1 1/2"	2432	2432SS	3.25	52.38	42.93
2"	3219	3219SS	3.25	63.50	51.69
2 1/2"	4037	4037SS	3.25	75.00	64.39
3"	4839	4839SS	3.25	90.17	76.08

**Bonded Seal for ANSI 36.10/36.19 GS-pipe Ends**

Size	STD Part No	SS Part No	S	D	D1
1/2"	0821	0821SS	2.00	15.88	10.37
3/4"	0823	0823SS	2.03	23.80	17.28
1"	1633	1633SS	2.34	28.58	21.54
1 1/4"	2042	2042SS	2.34	39.00	31.00
1 1/2"	2448	2448SS	3.25	44.45	35.94
2"	3260	3260SS	3.25	55.50	46.50
2 1/2"	4073	4073SS	3.25	69.85	54.89
3"	4888	4888SS	4.00	83.80	70.00

**Bonded Seal**  
**ISO 6164**



**Bonded Seal for Metric GS-pipe Ends**

Size	STD Part No	SS Part No	S	D	D1
2"	3219	3219SS	3.25	63.50	51.69
2 1/2"	4037	4037SS	3.25	75.00	64.39
3"	4839	4839SS	3.25	90.17	76.08
4"	5644	5644SS	4.00	110.0	95.00
4 1/2"	6000	6000SS	4.00	126.0	108.0
5"	6455	6455SS	5.00	143.7	127.0
6"	8001	8001SS	8.00	181.0	155.0
8"	9600	9600SS	9.00	240.0	205.0

**Bonded Seal for ANSI 36.10/36.19 GS-pipe Ends**

Size	STD Part No	SS Part No	S	D	D1
2"	3260	3260SS	3.25	55.50	46.50
2 1/2"	4073	4073SS	3.25	69.85	54.89
3"	4888	4888SS	4.00	83.80	70.00
4"	5644	5644SS	4.00	110.0	95.00

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