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## SECTION 8: BUTTWELD & FLANGES

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# BUTTWELD

**Description:** Range of beveled edge connections designed for welding onto pipe, creating a strong leak free connection that utilises a minimum of space. Stocked in SCH40 (Std) but also available in SCH10, SCH80 (XS) and SCH160 (XXS) on request. For pressure ratings please refer to pipe specifications.

**Application:** Black Steel: Manufactured from high quality Carbon Alloy Steel to *ASTM A234*.  
Stainless Steel: Manufactured from high quality welded Stainless Steel pipe to *ASTM A182 F316L* offering high tensile strength and rust free properties.

## LONG RADIUS ELBOW 90°



SIZE	BLACK STEEL SCH40	STAINLESS STEEL SCH40
1/2"	BSB-EL9-0012	SSB-EL9-0012
3/4"	BSB-EL9-0020	SSB-EL9-0020
1"	BSB-EL9-0025	SSB-EL9-0025
1.1/4"	BSB-EL9-0032	SSB-EL9-0032
1.1/2"	BSB-EL9-0038	SSB-EL9-0038
2"	BSB-EL9-0050	SSB-EL9-0050
2.1/2"	BSB-EL9-0063	SSB-EL9-0063
3"	BSB-EL9-0075	SSB-EL9-0075
4"	BSB-EL9-0100	SSB-EL9-0100
5"	BSB-EL9-0125	-
6"	BSB-EL9-0150	SSB-EL9-0150
8"	BSB-EL9-0200	-
10"	BSB-EL9-0250	-
12"	BSB-EL9-0300	-

## LONG RADIUS ELBOW 45°



SIZE	BLACK STEEL SCH40	STAINLESS STEEL SCH40
1/2"	BSB-EL4-0012	SSB-EL4-0012
3/4"	BSB-EL4-0020	SSB-EL4-0020
1"	BSB-EL4-0025	SSB-EL4-0025
1.1/4"	BSB-EL4-0032	SSB-EL4-0032
1.1/2"	BSB-EL4-0038	SSB-EL4-0038
2"	BSB-EL4-0050	SSB-EL4-0050
2.1/2"	BSB-EL4-0063	SSB-EL4-0063
3"	BSB-EL4-0075	SSB-EL4-0075
4"	BSB-EL4-0100	SSB-EL4-0100
5"	BSB-EL4-0125	-
6"	BSB-EL4-0150	SSB-EL4-0150
8"	BSB-EL4-0200	-
10"	BSB-EL4-0250	-

# BUTTWELD

## SHORT RADIUS ELBOW 90°



SIZE	BLACK STEEL SCH40	STAINLESS STEEL SCH40
1/2"	BSB-ES9-0012	SSB-ES9-0012
3/4"	BSB-ES9-0020	SSB-ES9-0020
1"	BSB-ES9-0025	SSB-ES9-0025
1.1/4"	BSB-ES9-0032	SSB-ES9-0032
1.1/2"	BSB-ES9-0038	SSB-ES9-0038
2"	BSB-ES9-0050	SSB-ES9-0050
2.1/2"	BSB-ES9-0063	SSB-ES9-0063
3"	BSB-ES9-0075	SSB-ES9-0075
4"	BSB-ES9-0100	SSB-ES9-0100
5"	BSB-ES9-0125	SSB-ES9-0125
6"	BSB-ES9-0150	SSB-ES9-0150
8"	BSB-ES9-0200	-
10"	BSB-ES9-0250	-

## LONG RADIUS BEND 90°



SIZE	BLACK STEEL SCH40	STAINLESS STEEL SCH40
1/2"	BSB-BEN-0012	-
3/4"	BSB-BEN-0020	-
1"	BSB-BEN-0025	-
1.1/4"	BSB-BEN-0032	-
1.1/2"	BSB-BEN-0038	-
2"	BSB-BEN-0050	-
2.1/2"	BSB-BEN-0063	-
3"	BSB-BEN-0075	-
4"	BSB-BEN-0100	-

## 180° U-BEND



SIZE	BLACK STEEL SCH40	STAINLESS STEEL SCH40
1"	BSB-UBE-0025	SSB-UBE-0025
1.1/4"	BSB-UBE-0032	SSB-UBE-0032
1.1/2"	BSB-UBE-0038	SSB-UBE-0038
2"	BSB-UBE-0050	SSB-UBE-0050
2.1/2"	BSB-UBE-0063	SSB-UBE-0063
3"	BSB-UBE-0075	SSB-UBE-0075
4"	BSB-UBE-0100	SSB-UBE-0100

# BUTTWELD

## CONCENTRIC REDUCER



SIZE	SIZE	BLACK STEEL SCH40	STAINLESS STEEL SCH40
3/4"	1/2"	BSB-CON-2012	SSB-CON-2012
1"	1/2"	BSB-CON-2512	SSB-CON-2512
1"	3/4"	BSB-CON-2520	SSB-CON-2520
1.1/4"	3/4"	BSB-CON-3220	SSB-CON-3220
1.1/4"	1"	BSB-CON-3225	SSB-CON-3225
1.1/2"	3/4"	BSB-CON-3820	SSB-CON-3820
1.1/2"	1"	BSB-CON-3825	SSB-CON-3825
1.1/2"	1.1/4"	BSB-CON-3832	SSB-CON-3832
2"	3/4"	BSB-CON-5020	SSB-CON-5020
2"	1"	BSB-CON-5025	SSB-CON-5025
2"	1.1/4"	BSB-CON-5032	SSB-CON-5032
2"	1.1/2"	BSB-CON-5038	SSB-CON-5038
2.1/2"	1"	BSB-CON-6325	SSB-CON-6325
2.1/2"	1.1/4"	BSB-CON-6332	SSB-CON-6332
2.1/2"	1.1/2"	BSB-CON-6338	SSB-CON-6338
2.1/2"	2"	BSB-CON-6350	SSB-CON-6350
3"	1"	BSB-CON-7525	-
3"	1.1/4"	BSB-CON-7532	SSB-CON-7532
3"	1.1/2"	BSB-CON-7538	SSB-CON-7538
3"	2"	BSB-CON-7550	SSB-CON-7550
3"	2.1/2"	BSB-CON-7563	SSB-CON-7563
4"	1.1/2"	BSB-CON-10038	SSB-CON-10038
4"	2"	BSB-CON-10050	SSB-CON-10050
4"	2.1/2"	BSB-CON-10063	SSB-CON-10063
4"	3"	BSB-CON-10075	SSB-CON-10075
5"	3"	BSB-CON-12575	SSB-CON-12575
5"	4"	BSB-CON-125100	SSB-CON-125100
6"	2"	BSB-CON-15050	SSB-CON-15050
6"	3"	BSB-CON-15075	SSB-CON-15075
6"	4"	BSB-CON-150100	SSB-CON-150100
6"	5"	BSB-CON-150125	-
8"	4"	BSB-CON-200100	-
8"	5"	BSB-CON-200125	-
8"	6"	BSB-CON-200150	-
10"	4"	BSB-CON-250100	-
10"	6"	BSB-CON-250150	-
10"	8"	BSB-CON-250200	-

# BUTTWELD

## CONCENTRIC REDUCER CONT...

SIZE	SIZE	BLACK STEEL SCH40	STAINLESS STEEL SCH40
12"	6"	BSB-CON-300150	-
12"	8"	BSB-CON-300200	-
12"	10"	BSB-CON-300250	-

## ECCENTRIC REDUCER



SIZE	SIZE	BLACK STEEL SCH40	STAINLESS STEEL SCH40
1.1/2"	1"	BSB-ECC-3825	SSB-ECC-3825
2"	1"	BSB-ECC-5025	SSB-ECC-5025
2"	1.1/4"	BSB-ECC-5032	SSB-ECC-5032
2"	1.1/2"	BSB-ECC-5038	SSB-ECC-5038
2.1/2"	1.1/4"	BSB-ECC-6332	-
2.1/2"	1.1/2"	BSB-ECC-6338	-
2.1/2"	2"	BSB-ECC-6350	SSB-ECC-6350
3"	2"	BSB-ECC-7550	SSB-ECC-7550
3"	2.1/2"	BSB-ECC-7563	SSB-ECC-7563
4"	2"	BSB-ECC-10050	SSB-ECC-10050
4"	2.1/2"	BSB-ECC-10063	SSB-ECC-10063
4"	3"	BSB-ECC-10075	SSB-ECC-10075
5"	4"	BSB-ECC-125100	-
6"	3"	BSB-ECC-15075	SSB-ECC-15075
6"	4"	BSB-ECC-150100	SSB-ECC-150100
6"	5"	BSB-ECC-150125	-
8"	4"	BSB-ECC-200100	-
8"	5"	BSB-ECC-200125	-
8"	6"	BSB-ECC-200150	-
10"	6"	BSB-ECC-250150	-
10"	8"	BSB-ECC-250200	-
12"	8"	BSB-ECC-300200	-

# BUTTWELD

## END CAP



SIZE	BLACK STEEL SCH40	STAINLESS STEEL SCH40
3/4"	BSB-CAP-0020	SSB-CAP-0020
1"	BSB-CAP-0025	SSB-CAP-0025
1.1/4"	BSB-CAP-0032	SSB-CAP-0032
1.1/2"	BSB-CAP-0038	SSB-CAP-0038
2"	BSB-CAP-0050	SSB-CAP-0050
2.1/2"	BSB-CAP-0063	SSB-CAP-0063
3"	BSB-CAP-0075	SSB-CAP-0075
4"	BSB-CAP-0100	SSB-CAP-0100
5"	BSB-CAP-0125	SSB-CAP-0125
6"	BSB-CAP-0150	SSB-CAP-0150
8"	BSB-CAP-0200	-
10"	BSB-CAP-0250	-

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## TEE



SIZE	BLACK STEEL SCH40	STAINLESS STEEL SCH40
1/2"	BSB-TEE-0012	SSB-TEE-0012
3/4"	BSB-TEE-0020	SSB-TEE-0020
1"	BSB-TEE-0025	SSB-TEE-0025
1.1/4"	BSB-TEE-0032	-
1.1/2"	BSB-TEE-0038	SSB-TEE-0038
2"	BSB-TEE-0050	SSB-TEE-0050
2.1/2"	BSB-TEE-0063	SSB-TEE-0063
3"	BSB-TEE-0075	SSB-TEE-0075
4"	BSB-TEE-0100	SSB-TEE-0100
5"	BSB-TEE-0125	SSB-TEE-0125
6"	BSB-TEE-0150	SSB-TEE-0150
8"	BSB-TEE-0200	-

# BUTTWELD

## HOSETAIL



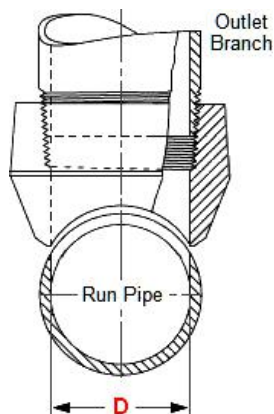
SIZE	BLACK STEEL SCH40	STAINLESS STEEL SCH40
1.1/4"	BSB-HT-0032	-
1.1/2"	BSB-HT-0038	-
2"	BSB-HT-0050	SSB-HT-0050
2.1/2"	BSB-HT-0063	SSB-HT-0063
3"	BSB-HT-0075	SSB-HT-0075
4"	BSB-HT-0100	SSB-HT-0100
5"	BSB-HT-0125	SSB-HT-0125
6"	BSB-HT-0150	SSB-HT-0150
8"	BSB-HT-0200	SSB-HT-0200
10"	BSB-HT-0250	-
12"	BSB-HT-0300	-

## WELDOLET - SCHEDULE 80 / 3000lb



OUTLET SIZE	TO SUIT PIPE SIZE (PIPE RUN)	BLACK STEEL WELDOLET
1/2"	1" - 36"	BSB-3-WEO-012-025
3/4"	1.1/2" - 36"	BSB-3-WEO-020-038
1"	1.1/4" - 1.1/2"	BSB-3-WEO-025-032
1"	3" - 36"	BSB-3-WEO-025-075
1.1/2"	2"	BSB-3-WEO-038-050
1.1/2"	3" - 5"	BSB-3-WEO-038-075
2"	4" - 6"	BSB-3-WEO-050-100
2"	8" - 36"	BSB-3-WEO-050-200
4"	6"	BSB-3-WEO-100-150
4"	8"	BSB-3-WEO-100-200

\*\*\*Limited availability in Stainless Steel (SSB-3-WEO)



'Pipe Run' refers to the pipe size that an outlet (weldolet, threadolet, sockolet) will suit. Larger sizes are available on request.

# BUTTWELD

## BSP & NPT THREADOLET - SCHEDULE 80 / 3000lb



OUTLET SIZE	TO SUIT PIPE SIZE (PIPE RUN)	BLACK STEEL BSP	BLACK STEEL NPT
1/8"	1" - 36"	-	BSB-3-THO-N03-025
1/4"	1" - 36"	-	BSB-3-THO-N06-025
1/4"	1.1/2" - 36"	-	BSB-3-THO-N06-038
3/8"	1.1/2" - 36"	-	BSB-3-THO-N10-038
1/2"	1" - 36"	BSB-3-THO-B12-025	BSB-3-THO-N12-025
3/4"	1"	-	BSB-3-THO-N20-025
3/4"	1.1/2" - 36"	BSB-3-THO-B20-038	BSB-3-THO-N20-038
1"	1.1/4" - 2.1/2"	-	BSB-3-THO-N25-032
1"	1.1/4" - 36"	BSB-3-THO-B25-032	-
1"	3" - 36"	-	BSB-3-THO-N25-075
1.1/4"	2"	-	BSB-3-THO-N32-050
1.1/4"	2" - 36"	BSB-3-THO-B32-050	-
1.1/2"	3" - 5"	-	BSB-3-THO-N38-075
1.1/2"	3" - 36"	BSB-3-THO-B38-075	-
1.1/2"	6" - 36"	-	BSB-3-THO-N38-150
2"	3"	-	BSB-3-THO-N50-075
2"	3" - 36"	BSB-3-THO-B50-075	-
2"	4" - 6"	-	BSB-3-THO-N50-100
2"	8" - 36"	-	BSB-3-THO-N50-200

\*\*\*More sizes available on request

\*\*\*Limited availability in Stainless Steel (SSB-3-THO)

## SOCKOLET - SCHEDULE 80 / 3000lb



OUTLET SIZE	TO SUIT PIPE SIZE (PIPE RUN)	BLACK STEEL SOCKETWELD
1/2"	1" - 36"	BSS-3-SOC-012-025
3/4"	1"	BSS-3-SOC-020-025
3/4"	1.1/2" - 36"	BSS-3-SOC-020-038
1"	1.1/4" - 2.1/2"	BSS-3-SOC-025-032
1"	3" - 36"	BSS-3-SOC-025-075
1.1/2"	3" - 5"	BSS-3-SOC-038-075
2"	3"	BSS-3-SOC-050-075
2"	4" - 6"	BSS-3-SOC-050-100

\*\*\*More sizes available on request

\*\*\*Limited availability in Stainless Steel (SSB-3-THO)



# FLANGES - SLIP ON WELD (SOW)

**Application:** Commonly used method of pipe attachment suitable for water supply, oil, gas, petrochemical, irrigation, fire services, general industry and construction.

**Material:** Available in Carbon (Black) Steel and Galvanised Steel to *ASTM A105*, Stainless Steel 316 to *ASTM A182 316L* and Gal Mal to *ASTM A-197*. Please note, maximum recommended working pressure on Gal Mal is 150psi.

**Types:** Available in a range of tables including D, E, F, H, ANSI 150, ANSI 300, ANSI 600, DIN PN16 and more. Styles include slip on weld (SOW), threaded (BSP and NPT), blind and weld neck.

**Specifications:** Please see flange specifications chart on page 17 of this section for dimensions and measurements. For specific temperature and pressure ratings please enquire.

TABLE D/E



SIZE	BLACK STEEL TABLE D/E	STAINLESS STEEL TABLE D/E
1/2"	BSF-S-DE-0012	-
3/4"	BSF-S-DE-0020	SSF-S-DE-0020
1"	BSF-S-DE-0025	SSF-S-DE-0025
1.1/4"	BSF-S-DE-0032	SSF-S-DE-0032
1.1/2"	BSF-S-DE-0038	SSF-S-DE-0038
2"	BSF-S-DE-0050	SSF-S-DE-0050
2.1/2"	BSF-S-DE-0063	SSF-S-DE-0063
3"	BSF-S-DE-0075	SSF-S-DE-0075
4"	BSF-S-D-0100 BSF-S-E-0100	SSF-S-D-0100 SSF-S-E-0100
5"	BSF-S-DE-0125	SSF-S-DE-0125
6" (168NB)	BSF-S-D-0150-168 BSF-S-E-0150-168	SSF-S-D-0150 SSF-S-E-0150
6" (171NB)	BSF-S-D-0150-171 BSF-S-E-0150-171	-
8"	BSF-S-D-0200 BSF-S-E-0200	SSF-S-D-0200 SSF-S-E-0200
10"	BSF-S-D-0250 BSF-S-E-0250	-
12"	BSF-S-D-0300 BSF-S-E-0300	-

DIN PN16



SIZE	BLACK STEEL DIN PN16
3/4"	BSF-S-DIN16-0020
1"	BSF-S-DIN16-0025
1.1/4"	BSF-S-DIN16-0032
1.1/2"	BSF-S-DIN16-0038
2"	BSF-S-DIN16-0050
2.1/2"	BSF-S-DIN16-0063
3"	BSF-S-DIN16-0075
4"	BSF-S-DIN16-0100
5"	BSF-S-DIN16-0125
6"	BSF-S-DIN16-0150
8"	BSF-S-DIN16-0200
10"	BSF-S-DIN16-0250

# FLANGES - SLIP ON WELD (SOW)

## ANSI 150 & 300 (RAISED FACE)



SIZE	BLACK STEEL ANSI 150	BLACK STEEL ANSI 300
1/2"	BSF-S-A150-0012	BSF-S-A300-0012
3/4"	BSF-S-A150-0020	BSF-S-A300-0020
1"	BSF-S-A150-0025	BSF-S-A300-0025
1.1/4"	BSF-S-A150-0032	BSF-S-A300-0032
1.1/2"	BSF-S-A150-0038	BSF-S-A300-0038
2"	BSF-S-A150-0050	BSF-S-A300-0050
2.1/2"	BSF-S-A150-0063	BSF-S-A300-0063
3"	BSF-S-A150-0075	BSF-S-A300-0075
4"	BSF-S-A150-0100	BSF-S-A300-0100
5"	BSF-S-A150-0125	BSF-S-A300-0125
6"	BSF-S-A150-0150	BSF-S-A300-0150
8"	BSF-S-A150-0200	BSF-S-A300-0200
10"	BSF-S-A150-0250	BSF-S-A300-0250
12"	BSF-S-A150-0300	BSF-S-A300-0300

SIZE	STAINLESS STEEL ANSI 150	STAINLESS STEEL ANSI 300
1/2"	SSF-S-A150-0012	SSF-S-A300-0012
3/4"	SSF-S-A150-0020	SSF-S-A300-0020
1"	SSF-S-A150-0025	SSF-S-A300-0025
1.1/4"	SSF-S-A150-0032	SSF-S-A300-0032
1.1/2"	SSF-S-A150-0038	SSF-S-A300-0038
2"	SSF-S-A150-0050	SSF-S-A300-0050
2.1/2"	SSF-S-A150-0063	SSF-S-A300-0063
3"	SSF-S-A150-0075	SSF-S-A300-0075
4"	SSF-S-A150-0100	SSF-S-A300-0100
5"	-	-
6"	SSF-S-A150-0150	SSF-S-A300-0150
8"	-	-
10"	-	-
12"	-	-

\*\*\*ANSI 600 available on request

## ANSI 150 & 300 (WELD NECK)



SIZE	BLACK STEEL ANSI 150	BLACK STEEL ANSI 300
3/4"	BSF-W-A150-0020	BSF-W-A300-0020
1"	BSF-W-A150-0025	BSF-W-A300-0025
1.1/2"	BSF-W-A150-0038	BSF-W-A300-0038
2"	BSF-W-A150-0050	BSF-W-A300-0050
2.1/2"	BSF-W-A150-0063	BSF-W-A300-0063
3"	BSF-W-A150-0075	BSF-W-A300-0075
4"	BSF-W-A150-0100	BSF-W-A300-0100
6"	BSF-W-A150-0150	BSF-W-A300-0150
8"	BSF-W-A150-0200	BSF-W-A300-0200

# FLANGES - THREADED

TABLE D/E



SIZE	BLACK STEEL TABLE D/E	STAINLESS STEEL TABLE D/E	GALV STEEL TABLE D/E	GAL MAL TABLE D/E
1/2"	BSF-T-DE-0012	SSF-T-DE-0012	GSF-T-DE-0012	GMF-T-0012
3/4"	BSF-T-DE-0020	SSF-T-DE-0020	GSF-T-DE-0020	GMF-T-0020
1"	BSF-T-DE-0025	SSF-T-DE-0025	GSF-T-DE-0025	GMF-T-0025
1.1/4"	BSF-T-DE-0032	SSF-T-DE-0032	GSF-T-DE-0032	GMF-T-0032
1.1/2"	BSF-T-DE-0038	SSF-T-DE-0038	GSF-T-DE-0038	GMF-T-0038
2"	BSF-T-DE-0050	SSF-T-DE-0050	GSF-T-DE-0050	GMF-T-0050
2.1/2"	BSF-T-DE-0063	SSF-T-DE-0063	GSF-T-DE-0063	GMF-T-0063
3"	BSF-T-DE-0075	SSF-T-DE-0075	GSF-T-DE-0075	GMF-T-0075
4"	BSF-T-D-0100 BSF-T-E-0100	SSF-T-D-0100 SSF-T-E-0100	GSF-T-D-0100 GSF-T-E-0100	GMF-T-0100
5"	-	SSF-S-DE-0125	-	-
6"	BSF-T-D-0150 BSF-T-E-0150	SSF-T-D-0150 SSF-T-E-0150	GSF-T-D-0150 GSF-T-E-0150	GMF-T-0150

ANSI 150 - BSP & NPT



SIZE	BLACK STEEL ANSI 150 - BSP	BLACK STEEL ANSI 150 - NPT
1/2"	BSF-T-A150-B012	BSF-T-A150-N012
3/4"	BSF-T-A150-B020	BSF-T-A150-N020
1"	BSF-T-A150-B025	BSF-T-A150-N025
1.1/4"	BSF-T-A150-B032	BSF-T-A150-N032
1.1/2"	BSF-T-A150-B038	BSF-T-A150-N038
2"	BSF-T-A150-B050	BSF-T-A150-N050
2.1/2"	BSF-T-A150-B063	BSF-T-A150-N063
3"	BSF-T-A150-B075	BSF-T-A150-N075
4"	BSF-T-A150-B100	BSF-T-A150-N100

SIZE	STAINLESS STEEL ANSI 150 - BSP	STAINLESS STEEL ANSI 150 - NPT
1/2"	SSF-T-A150-B012	SSF-T-A150-N012
3/4"	SSF-T-A150-B020	SSF-T-A150-N020
1"	SSF-T-A150-B025	SSF-T-A150-N025
1.1/4"	SSF-T-A150-B032	SSF-T-A150-N032
1.1/2"	SSF-T-A150-B038	SSF-T-A150-N038
2"	SSF-T-A150-B050	SSF-T-A150-N050
2.1/2"	SSF-T-A150-B063	SSF-T-A150-N063
3"	SSF-T-A150-B075	SSF-T-A150-N075
4"	SSF-T-A150-B100	SSF-T-A150-N100

\*\*\*Threaded Black Steel DIN PN16 flanges available on request (BSF-T-DIN16)

# FLANGES - BLIND

TABLE D/E



DIN PN16



SIZE	BLACK STEEL TABLE D/E	STAINLESS STEEL TABLE D/E
1/2"	BSF-B-DE-0012	-
3/4"	BSF-B-DE-0020	-
1"	BSF-B-DE-0025	SSF-B-DE-0025
1.1/4"	BSF-B-DE-0032	SSF-B-DE-0032
1.1/2"	BSF-B-DE-0038	SSF-B-DE-0038
2"	BSF-B-DE-0050	SSF-B-DE-0050
2.1/2"	BSF-B-DE-0063	SSF-B-DE-0063
3"	BSF-B-DE-0075	SSF-B-DE-0075
4"	BSF-B-D-0100 BSF-B-E-0100	SSF-B-D-0100 SSF-B-E-0100
5"	BSF-B-DE-0125	SSF-B-DE-0125
6"	BSF-B-D-0150 BSF-B-E-0150	SSF-B-D-0150 SSF-B-E-0150
8"	BSF-B-D-0200 BSF-B-E-0200	SSF-B-D-0200 SSF-B-E-0200
10"	BSF-B-D-0250 BSF-B-E-0250	-
12"	BSF-B-D-0300 BSF-B-E-0300	-

SIZE	BLACK STEEL DIN PN16
2"	BSF-B-DIN16-0050
2.1/2"	BSF-B-DIN16-0063
3"	BSF-B-DIN16-0075
4"	BSF-B-DIN16-0100
5"	BSF-B-DIN16-0125
6"	BSF-B-DIN16-0150
8"	BSF-B-DIN16-0200

# FLANGES - BLIND

ANSI 150 & 300



SIZE	BLACK STEEL ANSI 150	BLACK STEEL ANSI 300
1/2"	BSF-B-A150-0012	BSF-B-A300-0012
3/4"	BSF-B-A150-0020	BSF-B-A300-0020
1"	BSF-B-A150-0025	BSF-B-A300-0025
1.1/4"	BSF-B-A150-0032	BSF-B-A300-0032
1.1/2"	BSF-B-A150-0038	BSF-B-A300-0038
2"	BSF-B-A150-0050	BSF-B-A300-0050
2.1/2"	BSF-B-A150-0063	BSF-B-A300-0063
3"	BSF-B-A150-0075	BSF-B-A300-0075
4"	BSF-B-A150-0100	BSF-B-A300-0100
5"	BSF-B-A150-0125	BSF-B-A300-0125
6"	BSF-B-A150-0150	BSF-B-A300-0150
8"	BSF-B-A150-0200	BSF-B-A300-0200
10"	BSF-B-A150-0250	BSF-B-A300-0250
12"	BSF-B-A150-0300	BSF-B-A300-0300

SIZE	STAINLESS STEEL ANSI 150	STAINLESS STEEL ANSI 300
1/2"	-	-
3/4"	SSF-B-A150-0020	SSF-B-A300-0020
1"	SSF-B-A150-0025	SSF-B-A300-0025
1.1/4"	-	-
1.1/2"	SSF-B-A150-0038	SSF-B-A300-0038
2"	SSF-B-A150-0050	SSF-B-A300-0050
2.1/2"	-	-
3"	-	-
4"	SSF-B-A150-0100	SSF-B-A300-0100
5"	-	-
6"	-	-
8"	-	-
10"	-	-
12"	-	-

**Also available on request:**

Additional flange sizes in Black Steel and Stainless Steel  
 Table F and Table H flanges  
 ANSI 600 flanges  
 DIN PN6, PN10, PN16 flanges

# GASKETS TO SUIT FLANGES

## GASKET PART NUMBER GUIDE

FLANGE TABLES	CODES FOR TABLES
TABLE D/E	DE
TABLE D	D
TABLE E	E
ANSI 150 RING	AR1
ANSI 150 FULL FACE	AF1
ANSI 300 RING	AR3
ANSI 300 FULL FACE	AF3
DIN PN16 RING	DIN16R
DIN PN16 FULL FACE	DIN16F
TABLE F	F
TABLE H	H
ASME	ASME

GASKET MATERIALS	CODES FOR MATERIALS
NATURAL BUNA	NA
NEOPRENE	NE
NITRILE	NI
FIBRE	FI
GRAPHITE	GR
TEFLON	T
VITON	VI
EPDM	E

GASKET THICKNESS
1.5mm
3.0mm

Included in the tables below and overleaf are our most common gaskets. Additional gaskets can be made to order to suit your specifications.

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### TABLE D/E FULL FACE GASKET - RUBBER



SIZE	NATURAL BUNA 3.0mm THICKNESS	NITRILE 3.0mm THICKNESS	NEOPRENE 3.0mm THICKNESS
1/2"	FG/012-DEF-NA3.0	-	-
3/4"	FG/020-DEF-NA3.0	-	-
1"	FG/025-DE-NA3.0	FG/025-DE-NI3.0	FG/025-DE-NE3.0
1.1/4"	FG/032-DE-NA3.0	FG/032-DE-NI3.0	FG/032-DE-NE3.0
1.1/2"	FG/038-DE-NA3.0	FG/038-DE-NI3.0	FG/038-DE-NE3.0
2"	FG/050-DE-NA3.0	FG/050-DE-NI3.0	FG/050-DE-NE3.0
2.1/2"	FG/063-DE-NA3.0	FG/063-DE-NI3.0	FG/063-DE-NE3.0
3"	FG/075-DE-NA3.0	FG/075-DE-NI3.0	FG/075-DE-NE3.0
4"	FG/100-D-NA3.0 OR FG/100-E-NA3.0	FG/100-D-NI3.0 OR FG/100-E-NI3.0	FG/100-D-NE3.0 OR FG/100-E-NE3.0
5"	FG/125-DE-NA3.0	FG/125-DE-NI3.0	FG/125-DE-NE3.0
6"	FG/150-D-NA3.0 OR FG/150-E-NA3.0	FG/150-D-NI3.0 OR FG/150-E-NI3.0	FG/150-D-NE3.0 OR FG/150-E-NE3.0
8"	FG/200-D-NA3.0 OR FG/200-E-NA3.0	FG/200-D-NI3.0 OR FG/200-E-NI3.0	FG/200-D-NE3.0 OR FG/200-E-NE3.0
10"	FG/250-D-NA3.0 OR FG/250-E-NA3.0	FG/250-D-NI3.0 OR FG/250-E-NI3.0	FG/250-D-NE3.0 OR FG/250-E-NE3.0

# GASKETS TO SUIT FLANGES

TABLE D/E FULL FACE GASKET - FIBRE



SIZE	FIBRE NOVUS 34 1.5mm THICKNESS	FIBRE NOVUS 34 3.0mm THICKNESS
1/2"	FG/012-DEF-FI1.5	-
3/4"	FG/020-DEF-FI1.5	-
1"	FG/025-DE-FI1.5	FG/025-DE-FI3.0
1.1/4"	FG/032-DE-FI1.5	FG/032-DE-FI3.0
1.1/2"	FG/038-DE-FI1.5	FG/038-DE-FI3.0
2"	FG/050-DE-FI1.5	FG/050-DE-FI3.0
2.1/2"	FG/063-DE-FI1.5	FG/063-DE-FI3.0
3"	FG/075-DE-FI1.5	FG/075-DE-FI3.0
4"	FG/100-D-FI1.5 OR FG/100-E-FI1.5	FG/100-D-FI3.0 OR FG/100-E-FI3.0
5"	FG/125-DE-FI1.5	FG/125-DE-FI3.0
6"	FG/150-D-FI1.5 OR FG/150-E-FI1.5	FG/150-D-FI3.0 OR FG/150-E-FI3.0
8"	FG/200-D-FI1.5 OR FG/200-E-FI1.5	FG/200-D-FI3.0 OR FG/200-E-FI3.0
10"	FG/250-D-FI1.5 OR FG/250-E-FI1.5	FG/250-D-FI3.0 OR FG/250-E-FI3.0

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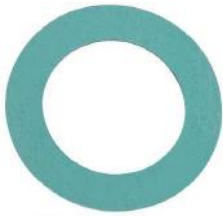
ANSI 150lb RING GASKET - FIBRE



SIZE	FIBRE NOVUS 34 1.5mm THICKNESS	FIBRE NOVUS 34 3.0mm THICKNESS
1"	FG/025-AR1-FI1.5	FG/025-AR1-FI3.0
1.1/4"	FG/032-AR1-FI1.5	FG/032-AR1-FI3.0
1.1/2"	FG/038-AR1-FI1.5	FG/038-AR1-FI3.0
2"	FG/050-AR1-FI1.5	FG/050-AR1-FI3.0
2.1/2"	FG/063-AR1-FI1.5	FG/063-AR1-FI3.0
3"	FG/075-AR1-FI1.5	FG/075-AR1-FI3.0
4"	FG/100-AR1-FI1.5	FG/100-AR1-FI3.0
5"	FG/125-AR1-FI1.5	FG/125-AR1-FI3.0
6"	FG/150-AR1-FI1.5	FG/150-AR1-FI3.0
8"	FG/200-AR1-FI1.5	FG/200-AR1-FI3.0
10"	FG/250-AR1-FI1.5	FG/250-AR1-FI3.0

# GASKETS TO SUIT FLANGES

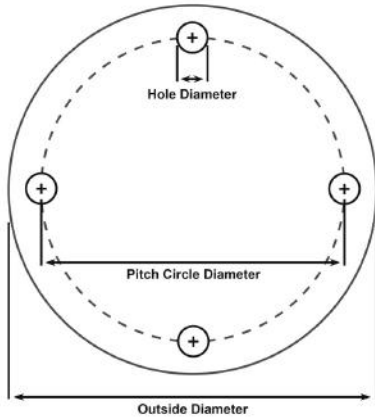
## DIN PN16 RING GASKET - FIBRE



SIZE	FIBRE NOVUS 34 1.5mm THICKNESS	FIBRE NOVUS 34 3.0mm THICKNESS
1"	FG/025-DIN16R-FI1.5	FG/025-DIN16R-FI3.0
1.1/4"	FG/032-DIN16R-FI1.5	FG/032-DIN16R-FI3.0
1.1/2"	FG/038-DIN16R-FI1.5	FG/038-DIN16R-FI3.0
2"	FG/050-DIN16R-FI1.5	FG/050-DIN16R-FI3.0
2.1/2"	FG/063-DIN16R-FI1.5	FG/063-DIN16R-FI3.0
3"	FG/075-DIN16R-FI1.5	FG/075-DIN16R-FI3.0
4"	FG/100-DIN16R-FI1.5	FG/100-DIN16R-FI3.0
5"	FG/125-DIN16R-FI1.5	FG/125-DIN16R-FI3.0
6"	FG/150-DIN16R-FI1.5	FG/150-DIN16R-FI3.0
8"	FG/200-DIN16R-FI1.5	FG/200-DIN16R-FI3.0
10"	FG/250-DIN16R-FI1.5	FG/250-DIN16R-FI3.0



# FLANGE SPECIFICATIONS



SIZE	TABLE	OUTSIDE DIAMETER (mm)	PITCH CIRCLE DIAMETER (mm)	NUMBER OF BOLT HOLES	BOLT HOLE DIAMETER	BOLT DIAMETER	FLANGE THICKNESS (mm)
15mm 1/2"	D	95	67.0	4	14	M12	5.0
	E	95	67.0	4	14	M12	6.0
	F	95	67.0	4	14	M12	10.0
	H	115	83.0	4	18	M16	13.0
	ANSI 150	90	60.3	4	5/8"	1/2"	11.2
	ANSI 300	95	66.7	4	5/8"	1/2"	14.3
	DIN PN16	95	65.0	4	14	M12	14.0
20mm 3/4"	D	100	73.0	4	14	M12	5.0
	E	100	73.0	4	14	M12	6.0
	F	100	73.0	4	14	M12	10.0
	H	115	83.0	4	18	M16	13.0
	ANSI 150	100	69.9	4	5/8"	1/2"	12.7
	ANSI 300	115	82.6	4	3/4"	5/8"	15.9
	DIN PN16	105	75.0	4	14	M12	16.0
25mm 1"	D	115	83.0	4	14	M12	5.0
	E	115	83.0	4	14	M12	7.0
	F	120	87.0	4	18	M16	10.0
	H	120	87.0	4	18	M16	14.0
	ANSI 150	110	79.4	4	5/8"	1/2"	14.3
	ANSI 300	125	88.9	4	3/4"	5/8"	17.5
	DIN PN16	115	85.0	4	14	M12	16.0
32mm 1.1/4"	D	120	87.0	4	14	M12	6.0
	E	120	87.0	4	14	M12	8.0
	F	135	98.0	4	18	M16	13.0
	H	135	98.0	4	18	M16	17.0
	ANSI 150	115	98.4	4	5/8"	1/2"	15.9
	ANSI 300	135	98.4	4	3/4"	5/8"	19.1
	DIN PN16	140	100.0	4	18	M16	18.0

# FLANGE SPECIFICATIONS

SIZE	TABLE	OUTSIDE DIAMETER (mm)	PITCH CIRCLE DIAMETER (mm)	NUMBER OF BOLT HOLES	BOLT HOLE DIAMETER	BOLT DIAMETER	FLANGE THICKNESS (mm)
38mm 1.1/2"	D	135	98.0	4	14	M12	6.0
	E	135	98.0	4	14	M12	9.0
	F	140	105.0	4	18	M16	13.0
	H	140	105.0	4	18	M16	17.0
	ANSI 150	125	98.4	4	5/8"	1/2"	17.5
	ANSI 300	155	114.3	4	7/8"	3/4"	20.7
	DIN PN16	150	110.0	4	18	M16	18.0
50mm 2"	D	150	114.0	4	18	M16	8.0
	E	150	114.0	4	18	M16	10.0
	F	165	127.0	4	18	M16	16.0
	H	165	127.0	4	18	M16	19.0
	ANSI 150	150	120.7	4	3/4"	5/8"	19.1
	ANSI 300	165	127.0	8	3/4"	5/8"	22.3
	DIN PN16	165	125.0	4	18	M16	20.0
63mm 2.1/2"	D	165	127.0	4	18	M16	8.0
	E	165	127.0	4	18	M16	10.0
	F	185	146.0	8	18	M16	16.0
	H	185	146.0	8	18	M16	19.0
	ANSI 150	180	139.7	4	3/4"	5/8"	22.3
	ANSI 300	190	149.2	8	7/8"	3/4"	25.4
	DIN PN16	185	145.0	4	18	M16	20.0
75mm 3"	D	185	146.0	4	18	M16	10.0
	E	185	146.0	4	18	M16	11.0
	F	205	165.0	8	18	M16	16.0
	H	205	165.0	8	18	M16	22.0
	ANSI 150	190	152.4	4	3/4"	5/8"	23.9
	ANSI 300	210	168.3	8	7/8"	3/4"	28.6
	DIN PN16	200	160.0	8	18	M16	22.0
100mm 4"	D	215	178.0	4	18	M16	10.0
	E	215	178.0	8	18	M16	13.0
	F	230	191.0	8	18	M16	19.0
	H	230	191.0	8	18	M16	25.0
	ANSI 150	230	190.5	8	3/4"	5/8"	23.9
	ANSI 300	255	200.0	8	7/8"	3/4"	31.8
	DIN PN16	220	180.0	8	18	M16	22.0

# FLANGE SPECIFICATIONS

SIZE	TABLE	OUTSIDE DIAMETER (mm)	PITCH CIRCLE DIAMETER (mm)	NUMBER OF BOLT HOLES	BOLT HOLE DIAMETER	BOLT DIAMETER	FLANGE THICKNESS (mm)
125mm 5"	D	255.0	210.0	8	18	M16	13.0
	E	255.0	210.0	8	18	M16	14.0
	F	280.0	235.0	8	22	M20	22.0
	H	280.0	235.0	8	22	M20	29.0
	ANSI 150	255.0	215.9	8	7/8"	3/4"	23.9
	ANSI 300	280.0	235.0	8	7/8"	3/4"	35.0
	DIN PN16	250.0	210.0	8	18	M16	22.0
150mm 6"	D	280.0	235.0	8	18	M16	13.0
	E	280.0	235.0	8	22	M20	17.0
	F	305.0	260.0	12	22	M20	22.0
	H	305.0	260.0	12	22	M20	29.0
	ANSI 150	280.0	241.3	8	7/8"	3/4"	25.4
	ANSI 300	320.0	269.9	12	7/8"	3/4"	36.6
	DIN PN16	285.0	240.0	8	22	M20	24.0
200mm 8"	D	335.0	292.0	8	18	M16	13.0
	E	335.0	292.0	8	22	M20	19.0
	F	370.0	324.0	12	22	M20	25.0
	H	370.0	324.0	12	22	M20	32.0
	ANSI 150	345.0	298.5	8	7/8"	3/4"	28.6
	ANSI 300	380.0	330.2	12	1"	7/8"	41.3
	DIN PN16	340.0	295.0	12	22	M20	24.0
250mm 10"	D	405.0	356.0	8	22	M20	16.0
	E	405.0	356.0	12	22	M20	22.0
	F	430.0	381.0	12	26	M24	25.0
	H	430.0	381.0	12	26	M24	35.0
	ANSI 150	405.0	362.0	12	1"	7/8"	30.2
	ANSI 300	445.0	387.4	16	1.1/8"	1"	47.7
	DIN PN16	405.0	355.0	12	26	M24	30.5
300mm 12"	D	455.0	406.0	12	22	M20	19.0
	E	455.0	406.0	12	26	M24	25.0
	F	490.0	438.0	16	26	M24	29.0
	H	490.0	438.0	16	26	M24	38.0
	ANSI 150	485.0	431.8	12	1"	7/8"	31.8
	ANSI 300	520.0	450.8	16	1.1/4"	1.1/8"	50.8
	DIN PN16	460.0	410.0	12	26	M24	28.0

