

DIN 11851 Hygienic Union & 11852 Fittings

The DIN 11851 union is widely used throughout Europe and the Middle East and incorporates a round slotted nut and D Section seal, as standard. The union is manufactured to suit Imperial tube sizes from 1" to 4" and also to suit DIN 11850 metric tube from 10mm to 200mm, as standard. Two seal designs are offered for the union, namely the flush fitting and crevice free lipped seal and the more common, D section seal. A thicker section of seal is also available for high pressure applications and to compensate for minor pipeline misalignment.

The standard seal material is Nitrile/Perbunan (Buna) and is generally blue or grey in colour, while alternatives in FKM®, EPDM, PTFE and translucent silicone are also available.

The male features an inverted cone face that carries the seal, whilst the liner is similarly conical with a flat face to effect a clean hygienic joint.

Working Pressure Range, (Fully Forged Unions):

DN 10 - DN 40	Max. Working Pressure 40 Bar @ 20°C
DN 50 - DN 100	Max. Working Pressure 25 Bar @ 20°C
DN 125 - DN 150	Max. Working Pressure 16 Bar @ 20°C

Size Ranges:

Imperial: 1" to 4".
Metric: 10mm to 200mm.

Seal Design:

D Section - Unlipped
D Section - Unlipped (Oversized)
P Section - Lipped



Accessories:

Blank Nuts and Chains
Cone Strainers
Bends, Tees and Reducers
EPDM, Nitrile, FKM®, PTFE & PTFE Envelope
C Spanner
Pipe Clips and U Bolts
Fabricated Bends, Tees and Manifolds
Filters, Screens and Sampling Equipment

Full range of Butterfly Valves, Ball Valves, Pressure Relief and Non-Return

Associated standards:

• DIN 11853	-	Aseptic Union Screwed
• DIN 11852	-	Hygienic Fittings, Metric
• DIN 11850	-	Hygienic Tube, Metric
• DIN 11864-1	-	Aseptic Union Screwed
• DIN 11864-2	-	Aseptic Union Flanged
• DIN 11864-3	-	Aseptic Union Tri-Clamp
• DIN 11866	-	Pharmaceutical Tube, Metric
• ASME BPE	-	Pharmaceutical Tube, Imperial
• ISO 2037	-	Stainless Steel Tubes for the Food Industry
• ASTM A270	-	Stainless Steel Tube for Sanitary, Dairy and Food Industries
• ASTM A312	-	Stainless Steel Pipe for High Temperature and General uses
• ISO 1127	-	Stainless Steel Tubes
• ISO 2851	-	Stainless Steel Bends and Tees for the Food Industry
• SMS 3008	-	Stainless Steel Tubes
• SMS 3017	-	Stainless Steel Tubes

NB: Please check with the technical department all dimensions at the time of enquiry.

Dimensions are provided in good faith but may be subject to change; if dimensions are critical please call the office to confirm all sizes before placing an order.

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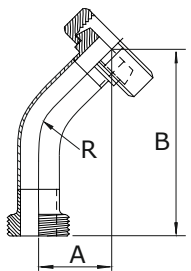
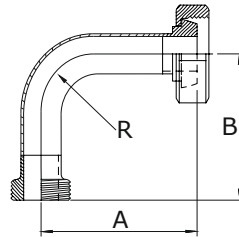
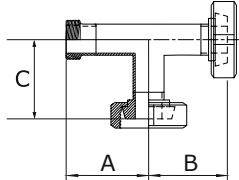
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DIN 11851 Hygienic Union – Imperial

DIN 11851 Weld Male - 316L						
	Size	A	B	C	D	Part No
	1"	52	25.4	22.9	29	6061-A026
	1.¼"	58	32.0	29.2	32	6061-A031
	1.½"	65	38.1	35.1	33	6061-A038
	2"	78	50.8	47.8	35	6061-A051
	2.½"	95	63.5	60.2	40	6061-A064
	3"/DN 75	104	76.2	72.8	40	6061-A075
	3"/DN 80	110	76.2	72.8	45	6061-A076
	4"	130	101.6	97.4	54	6061-A102
DIN 11851 Weld Liner Machined - 316L						
	Size	A	B	C	D	Part No
	1"	44.0	25.4	22.9	22	6063-A026
	1.¼"	50.0	32.0	29.2	25	6063-A031
	1.½"	56.0	38.1	34.1	26	6063-A038
	2"	68.5	50.8	47.8	28	6063-A051
	2.½"	86.0	63.5	60.2	32	6063-A064
	3"/DN 75	93.0	76.2	72.8	32	6063-A075
	3"/DN 80	100.0	76.2	72.8	37	6063-A076
	4"	121.0	101.6	97.4	44	6063-A102
DIN 11851 Round Slotted Nut - 304						
	Size	A	B	C	Part No	
	1"	63	36.0	21	6064-C025	
	1.¼"	70	42.0	21	6064-C032	
	1.½"	78	49.0	21	6064-C040	
	2"	92	62.0	22	6064-C050	
	2.½"	112	80.0	25	6064-C065	
	3"/DN 75	120	86.5	26	6064-C075	
	3"/DN 80	127	94.0	29	6064-C080	
	4"	148	115.0	31	6064-C100	
DIN 11851 Blank Liner Machined - 316L						
	Size	A	B	C	Part No	
	1"	44.0	35	13.0	606C-A025	
	1.¼"	50.0	41	13.0	606C-A032	
	1.½"	56.0	48	13.0	606C-A040	
	2"	68.5	61	14.0	606C-A050	
	2.½"	86.0	79	16.0	606C-A065	
	3"/DN 75	93.0	86	16.0	606C-A075	
	3"/DN 80	100.0	93	16.0	606C-A080	
	4"	121.0	114	20.0	606C-A100	

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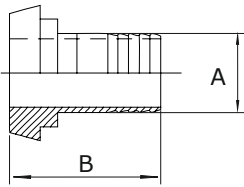
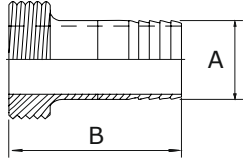
DIN 45° Bend - M/F – 316L					
	Size	A	B	R	Part No
	1"	-	-	-	605E-A026
	1.½"	-	-	-	605E-A038
	2"	-	-	-	605E-A051
	2.½"	-	-	-	605E-A064
	3"	-	-	-	605E-A076
	4"	-	-	-	605E-A102
We can manufacture these items to suit your bends lengths and radius requirements					
DIN 90° Bend - M/F – 316L					
	Size	A	B	R	Part No
	1"	-	-	-	605C-A026
	1.½"	-	-	-	605C-A038
	2"	-	-	-	605C-A051
	2.½"	-	-	-	605C-A064
	3"	-	-	-	605C-A076
	4"	-	-	-	605C-A102
We can manufacture these items to suit your bends lengths and radius requirements					
DIN Equal Tee - MFF branch – 316L					
	Size	A	B	C	Part No
	1"	-	-	-	605J-A026-MFF
	1.½"	-	-	-	605J-A038-MFF
	2"	-	-	-	605J-A051-MFF
	2.½"	-	-	-	605J-A064-MFF
	3"	-	-	-	605J-A076-MFF
	4"	-	-	-	605J-A102-MFF
We can manufacture these items to suit your bends lengths and radius requirements					

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DIN 11851 Hygienic Union – Imperial

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<p>DIN Female Hoseliner - 316</p> 	Size	A	B		Part No
	1"	25.4	107	-	606K-B026
	1.½"	38.1	111	-	606K-B038
	2"	50.8	112	-	606K-B051
	2.½"	63.5	127	-	606K-B064
	3"	76.2	138	-	606K-B076
	4"	101.6	145	-	606K-B102
We can manufacture these items to suit your bends lengths and radius requirements					
<p>DIN Male Hosetail - 316</p> 	Size	A	B		Part No
	1"	25.4	109	-	606L-B026
	1.½"	38.1	117	-	606L-B038
	2"	50.8	120	-	606L-B051
	2.½"	63.5	134	-	606L-B064
	3"	76.2	144	-	606L-B076
	4"	101.6	150	-	606L-B102
We can manufacture these items to suit your bends lengths and radius requirements					

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