

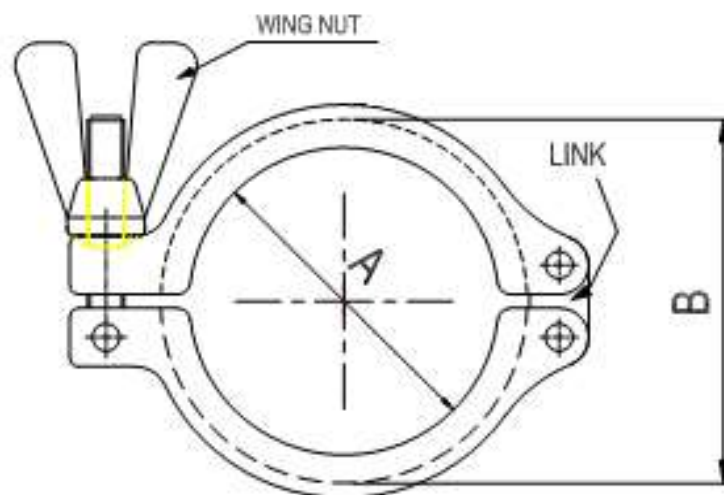
## 13CS LINK-CLAMP™ 304 & 316

### 13CS LINK-CLAMP™

BS. 4825  
 DIN 32676 Series C  
 ASME BPE  
 DIN 32676 Series A

SIZE TUBE O.D.	A mm	B mm	Working Pressure Bar @ 150° C
½" - ¾"	20.6	28.0	50 Bar
DN10-20	27.2	37.0	50 Bar
1" - 1 ½"	41.0	53.5	50 Bar
DN25-40	44.5	54.5	50 Bar
2"	54.5	67.0	50 Bar
DN50	57.0	68.0	50 Bar
2½"	68.0	80.5	50 Bar
3"	81.5	94.0	40 Bar
DN65	84.0	95.0	40 Bar
3½"	96.5	109.0	40 Bar
DN80	99.0	110.0	40 Bar
4"	109.5	122.0	30 Bar
DN100	112.0	123.0	30 Bar
6"	156.6	175.0	30 Bar
8"	207.4	226.0	20 Bar

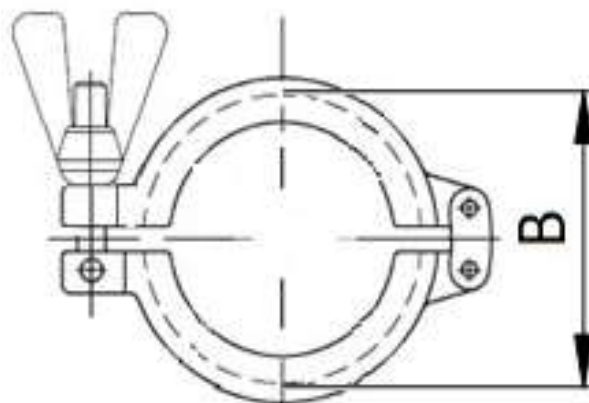
**Wing Nut Type – F2**

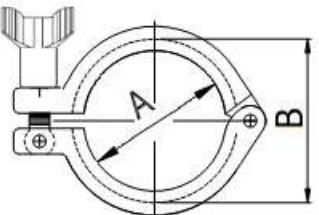
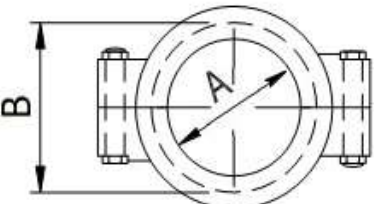


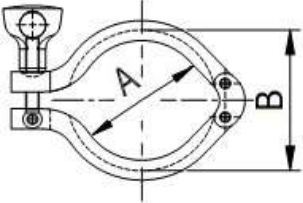
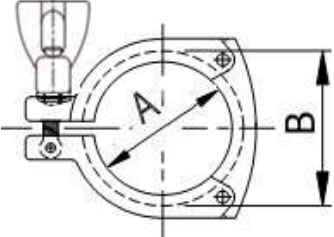
**13EU LINK-CLAMP™**

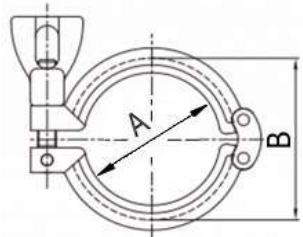
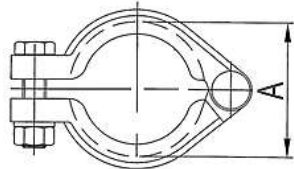
BS. 4825  
 DIN 32676 Series C  
 DIN 32676 Series A  
 ISO 2852  
 Din 32676 Series B

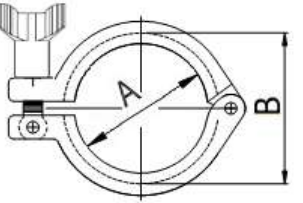
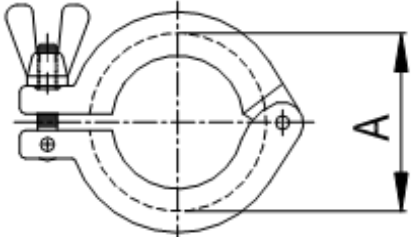
	SIZE TUBE OD		B Mm (To Suit Flange)	Working Pressure Bar
<b>BS. 4825</b>	<b>ISO 2852</b>	<b>DIN 32676</b>		
<b>DIN 32676 SC</b>	<b>DIN 32676 SB</b>	<b>SERIES A</b>		
½" -¾"	DN6/8/10	DN4-8	25.0	50 Bar
	-	DN10/15/20	34.0	50 Bar
1" - 1 ½"	DN15/25	DN25/32/40	50.5	50 Bar
2"	DN32/40	DN50	64.0	50 Bar
2½"	DN50	-	77.5	50 Bar
3"	DN65	DN65	91.0	40 Bar
3½"	DN80	DN80	106.0	40 Bar
4"	-	DN100	119.0	35 Bar
4 ½"	DN100	-	130.0	30 Bar
5"	-	-	144.5	30 Bar
5 1/2"	-	DN125	155.0	30 Bar
6"	-	-	167.0	30 Bar
6 5/8"	DN150	DN150	183.0	25 Bar
8"	-	-	217.5	20 Bar
8 5/8"	DN200	DN200	233.5	20 Bar
10"	-	DIN250	268.0	16 Bar
12"	-	DIN300	319.0	10 Bar

**Wing Nut Type – F2**


13MHH - HEAVY CLAMP			13MHP HIGH PRESSURE CLAMP				
SIZE TUBE O.D.	A mm	B mm	Wing Nut Type – 11	SIZE TUBE O.D.	A mm	B mm	Brass Nut /SS304 Bolt
1/2" - 3/4"	20.0	28.0		3/4"	20.0	28.0	Not recommended for use with 1" Fittings.
1" - 1 1/2"	44.4	53.6		1 1/2"	43.3	52.0	
2"	57.8	67.0		2"	56.4	65.5	
2 1/2"	71.4	80.6		2 1/2"	69.5	79.0	
3"	84.0	94.0		3"	77.56	92.5	
3 1/2"	99.0	110.0		4"	108.9	120.5	
4"	110.0	122.0		6"	158	170.0	
4 1/2"	123.0	134.0		10"	258	272.8	
6"	155.4	170.4		12"	309	327.6	
8"	205.0	220.0					

13MHM - HEAVY CLAMP			3-PIECE CLAMP				
SIZE TUBE O.D.	A mm	B mm	Wing Nut Type - 14	SIZE TUBE O.D.	A mm	B mm	Wing Nut Type -13SP2
1/2" - 3/4"	20.0	28.2		1" - 1 1/2"	53.9	80.0	
1" - 1 1/2"	44.4	53.6		2"	67.4	94.0	
2"	57.8	67.0		2 1/2"	80.9	109.0	
2 1/2"	71.4	80.6		3"	94.4	126.0	
3"	84.0	94.0		4"	122.4	154.0	
4"	110.0	122.0					
6"	155.4	170.4					

13SF - HEAVY DOUBLE PIN CLAMP			13IU – BOLTED CLAMP				
SIZE TUBE O.D.	A mm	B mm	Wing Nut Type – 13SP- 2	SIZE TUBE O.D.	A mm	B mm	
1/2" - 3/4"	20.0	28.2		1 1/2"	45.0	55.0	
A37	27.5	42.9		2"	63.0	73.0	
1 1/2"	45.0	53.6		2 1/2"	74.0	89.0	
2"	59.0	72.0		3"	88.0	102.0	
2 1/2"	67.0	84.0		4"	111.0	128.0	
3"	85.0	98.0					
4"	114.0	127.0					

13IS – I-LINE CLAMP			13MHH - A37 HEAVY CLAMP			
SIZE TUBE O.D.	A mm	B mm	Wing Nut Type – F2	SIZE TUBE O.D.	A mm	
1" - 1 1/2"	53.4	83.6				
2"	72.2	111.0		A37	37.0	
2 1/2"	88.1	121.4				
3"	102.4	136.2				
4"	127.8	162.0				
6"	195.3	242.2				

## TECHNICAL DATA – O.D. CLAMPS

13MHH – HEAVY CLAMP		WORKING PRESSURE G (psi) - with wing nut tightened to 25in-lb of torque							
TEMPERATURE		SIZE TUBE O.D.							
(°F)	(°C)	½" - ¾"	1"-1.5"	2"	2.5"	3"	4"	6"	8"
70	21	1500	500	450	400	350	200	150	100
250	121	1200	250	250	200	150	125	75	50

13MHHS - 3-PIECE CLAMP		WORKING PRESSURE (psi) - with wing nut tightened to 25in-lb of torque				
TEMPERATURE		SIZE TUBE O.D.				
(°F)	(°C)	1"-1.5"	2"	2.5"	3"	4"
70	21	600	550	450	350	250
250	121	300	275	225	175	150

13MHHM – HEAVY CLAMP		WORKING PRESSURE (psi) - with wing nut tightened to 25in-lb of torque						
TEMPERATURE		SIZE TUBE O.D.						
(°F)	(°C)	½" - ¾"	1"-1.5"	2"	2.5"	3"	4"	6"
70	21	1500	500	450	400	350	200	150
250	121	1200	250	250	200	150	125	75

13MHP – HEAVY CLAMP		WORKING PRESSURE (psi) - with nuts tightened to 20ft-lb of torque						
TEMPERATURE		SIZE TUBE O.D. (Not Recommended For 1" Fittings)						
(°F)	(°C)	½" - ¾"	1"-1½"	2"	2.5"	3"	4"	6"
70	21	1500	1500	1000	1000	1000	1000	300
250	121	1200	1200	800	800	800	800	200

13SF – HEAVY DOUBLE PIN CLAMP		WORKING PRESSURE (psi) - with wing nut tightened to 25in-lb of torque						
TEMPERATURE		SIZE TUBE O.D.						
(°F)	(°C)	½" - ¾"	1"-1.5"	2"	2.5"	3"	4"	
70	21	1500	500	450	400	350	200	
250	121	1200	250	250	200	150	125	

13IS – I-LINE CLAMP		WORKING PRESSURE (psi) - with wing nut tightened to 25in-lb of torque						
TEMPERATURE		SIZE TUBE O.D.						
(°F)	(°C)	1"-1.5"	2"	2.5"	3"	4"	6"	
70	21	150	150	150	150	100	100	
250	121	125	125	125	125	75	50	

13IU – BOLTED CLAMP		WORKING PRESSURE (psi) - with wing nut tightened to 25in-lb of torque					
TEMPERATURE		SIZE TUBE O.D.					
(°F)	(°C)	1.5"	2"	2.5"	3"	4"	
70	21	500	450	400	350	200	
250	121	250	250	200	150	125	

To convert Pressure values from psig to kPa use the following formula:  $\text{psi} \times 6.895 = \text{kPa}$  (approx).  
 Example:  $200\text{psi} \times 6.895 = 1379\text{kPa}$ . (also  $1\text{Bar} = 14.5\text{psi}$  Approximation)