

### Summary of Test Results

Reference no. : BC-SUMMARY-2017-33

Customer : Tozen (HK) Limited  
 Address : Unit 1607, 16/F., Ho Lik Centre, 66A Sha Tsui Road, Tsuen Wan, Hong Kong  
 Sample description : Stainless Steel Expansion Joint  
 Nominal pressure (PN) : 16  
 Manufacturer : Tozen Corporation  
 Brand name : Tozen  
 Body marking : TOZEN JBF  
 Model no. : JBF-304P  
 Origin : PRC  
 Sample submitted by : Tozen (HK) Limited  
 Test standard : BS EN 12266-1 : 2012  
 Test period : 01 to 26 September 2016

#### A) Sample List

DN (mm)	Inch	Specimen no.
20	3/4"	BC0160824-002-MISL
25	1"	BC0160824-003-MISL
32	1-1/4"	BC0160824-004-MISL
40	1-1/2"	BC0160824-005-MISL
50	2"	BC0160824-006-MISL
65	2-1/2"	BC0160824-007-MISL
80	3"	BC0160824-008-MISL
100	4"	BC0160824-009-MISL
125	5"	BC0160824-010-MISL
150	6"	BC0160824-011-MISL
200	8"	BC0160824-012-MISL
250	10"	BC0160824-013-MISL
300	12"	BC0160824-014-MISL

#### B) Test Item

##### 1) Dimensions Check (In-house method based on Manufacturer requirement)

DN (mm)	Inch	Test results	Castco LRN
20	3/4"	Passed	BC0160824-001-MISL
25	1"	Passed	
32	1-1/4"	Passed	
40	1-1/2"	Passed	
50	2"	Passed	
65	2-1/2"	Passed	
80	3"	Passed	
100	4"	Passed	
125	5"	Passed	
150	6"	Passed	
200	8"	Passed	
250	10"	Passed	
300	12"	Passed	

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B) Test Item (con't)

2) Hydrostatic Strength Test (BS EN 12266-1 : 2012 Clause 4 Annex A)

DN (mm)	Inch	Test results	Castco LRN
20	3/4"	Passed	BC0160824-001-MISL
25	1"	Passed	
32	1-1/4"	Passed	
40	1-1/2"	Passed	
50	2"	Passed	
65	2-1/2"	Passed	
80	3"	Passed	
100	4"	Passed	
125	5"	Passed	
150	6"	Passed	
200	8"	Passed	
250	10"	Passed	
300	12"	Passed	

3) Burst Pressure Test (In-house method)

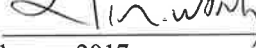
DN (mm)	Inch	Test results	Castco LRN
20	3/4"	Passed	BC0160824-001-MISL
25	1"	Passed	
32	1-1/4"	Passed	
40	1-1/2"	Passed	
50	2"	Passed	
65	2-1/2"	Passed	
80	3"	Passed	
100	4"	Passed	
125	5"	Passed	
150	6"	Passed	
200	8"	Passed	
250	10"	Passed	
300	12"	Passed	

4) Chemical Composition (BS EN 10088-1 : 2014 Table 2 Grade 1.4301(304))

DN (mm)	Inch	Test results	Castco LRN
20	3/4"	Passed	MS0160912-1
40	1-1/2"	Passed	MS0160912-2
80	3"	The chemical composition of the tested specimen complies with Grade 1.4301 in Table 2 of BS EN 10088-1 : 2014 except for Chromium content, which is lower than the lower limit 17.5 of the specification	MS0160912-3
150	6"	Passed	MS0160912-4
300	12"	Passed	MS0160912-5

Prepare by :  **FU HO MAN**  
Assistant Technical Officer

Date : 28 February 2017

Review by :  **WONG KA MAN**  
Laboratory Manager

Date : 28 February 2017