

雙球橡膠防震接頭 鑄鐵及 304不鏽鋼由令式

Twin Sphere Connectors

ZC - 20U · Union Type



工作壓力 Mpa(kgf/cm²) : 1.0 (10)
爆破壓力 Mpa(kgf/cm²) : 3 (30)
真空度 Kpa(mm/Hg) : 53.3 (400)
適用溫度 : -15°C ~ +115°C
適用流體 : 水, 海水, 熱水, 空氣, 壓縮空氣, 油, 酸, 鹼等化學物質

規格	英吋	mm	長度 mm	重量 Kg	壓縮	拉伸	橫移	彎曲度
雙球防震軟管 鑄鐵由令式	3/4"	20	200	0.70	22	5~6	22	30度
	1"	25	200	1.10	22	5~6	22	25度
雙球防震軟管 鑄鐵由令式 (含中押環)	1-1/4"	32	195	1.14	22	5~6	22	25度
	1-1/2"	40	203	2.08	22	5~6	22	20度
	2"	50	225	2.72	22	5~6	22	15度
	2-1/2"	65	240	4.02	22	5~6	22	12度
	3"	80	285	5.40	22	5~6	22	10度

單球橡膠防震接頭 鑄鐵法蘭型

Single Sphere Connectors - Flange Type

ZC - 100 · JIS-10K



工作壓力 Mpa(kgf/cm²) : 1.0 (10)
爆破壓力 Mpa(kgf/cm²) : 2 (20)
真空度 Kpa(mm/Hg) : 53.3 (400)
適用溫度 : -15°C ~ +115°C
適用流體 : 水, 海水, 熱水, 空氣, 壓縮空氣, 油, 酸, 鹼等化學物質

規格	英吋	mm	長度 mm	重量 Kg	壓縮	拉伸	橫移	彎曲度
單球橡膠防震接頭 鑄鐵法蘭 JIS-10K	1-1/2"	40	95	2.90	8	4	8	15度
	2"	50	105	3.44	8	5	8	15度
	2-1/2"	65	115	4.42	12	6	10	15度
	3"	80	130	4.42	12	6	10	15度
	4"	100	150	6.08	18	10	12	15度
	5"	125	165	9.48	18	10	12	15度
	6"	150	180	11.92	18	10	12	15度
	8"	200	205	14.70	25	14	22	15度
	10"	250	240	24.46	25	14	22	15度
	12"	300	245	26.40	25	14	22	15度

備註：另有鐵法蘭片 (SS400) #150規格美規的單球防震接頭。

雙球橡膠防震接頭 鑄鐵及 304不鏽鋼法蘭型

Twin Sphere Connectors - Flange Type

ZC - 200 · JIS-10K



工作壓力 Mpa(kgf/cm²) : 1.0 (10)
爆破壓力 Mpa(kgf/cm²) : 2 (20)
真空度 Kpa(mm/Hg) : 53.3 (400)
適用溫度 : -15°C ~ +115°C
適用流體 : 水, 海水, 熱水, 空氣, 壓縮空氣,
油, 酸, 鹼等化學物質

規格	英吋	mm	長度 mm	重量 Kg	壓縮	拉伸	橫移	彎曲度
雙球橡膠防震接頭 鑄鐵法蘭 JIS-10K	1-1/2"	40	160	3.08	53	30	45	40度
	2"	50	165	3.58	53	30	45	40度
	2-1/2"	65	175	4.70	53	30	45	40度
	3"	80	175	4.70	53	30	45	40度
	4"	100	225	6.14	57	30	40	35度
	5"	125	225	9.74	57	30	40	35度
	6"	150	225	12.06	57	30	40	35度
	8"	200	325	15.80	65	30	35	30度
	10"	250	325	24.74	65	30	35	30度

單球橡膠防震接頭 304不銹鋼法蘭型

Single Sphere Connectors - Stainless Steel Flange Type

ZC - ST 100 · JIS-10K



工作壓力 Mpa(kgf/cm²) : 1.0 (10)
爆破壓力 Mpa(kgf/cm²) : 2 (20)
真空度 Kpa(mm/Hg) : 53.3 (400)
適用溫度 : -15°C ~ +115°C
適用流體 : 水, 海水, 熱水, 空氣, 壓縮空氣,
油, 酸, 鹼等化學物質

規格	英吋	mm	長度 mm	重量 Kg	壓縮	拉伸	橫移	彎曲度
單球橡膠防震接頭 304 不銹鋼法蘭 JIS-10K	1-1/2"	40	95	2.90	8	4	45	15度
	2"	50	105	3.44	8	5	45	15度
	2-1/2"	65	115	4.42	12	6	45	15度
	3"	80	130	4.42	12	6	45	15度
	4"	100	150	6.08	18	10	40	15度
	5"	125	165	9.48	18	10	40	15度
	6"	150	180	11.92	18	10	40	15度



Mechanical & Hardgoods Lab

TEST REPORT

報告號碼： HLO0682/2021
頁數： 4 of 6

— 附片 —



照片 A: 测试棒的外观



照片-B: 測試樣品外觀



照片 C: 測試架設置 - 靜水壓試驗



一、測試原理 - 軸向拉力試驗



照片名：测试漫（样品，11）



照片 F: 測試後 (樣品 #2, #3)

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1990年12月15日

THE UNIVERSITY OF CHICAGO



Mechanical & Hardgoods Lab

TEST REPORT

報告號碼: HLO0682/2021
頁數: 3 of 6

3. 軸向壓縮力試驗:

- 將樣品固定於試驗機台上，如照片 G 所示。
- 施加向下的荷重樣品上，記錄最大荷重及壓縮量。
- 移除荷重後，目視檢查樣品是否損壞。
- 試驗機台：INSTRON 5581，速率：10 mm/min。

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測試	樣品編號	最大荷重 (kgf)	壓縮量 (mm)	備註
防護軟管任意式	#1	889.6	40.0	樣品之橡膠管經變形，(照片 H-2) 移除荷重後，目視檢查樣品外觀，無 明顯之損壞發生。
防護軟管雙球法蘭口	#3	1958.4	86.5	
防護軟管單球法蘭口	#4	2515.4	44.3	

4. 側向拉力試驗:

- 將樣品固定於試驗機台上，如圖片 K 所示。
- 施加向上的拉力於樣品上，直至樣品損壞。
- 記錄最大荷重及側向位移量。
- 試驗機台：INSTRON 5581，速率：10 mm/min。

“上海聯合書局”

測試樣品	樣品編號	最大荷重 (kgf)	側向位移量 (mm)	備註
防震管由任式	#1	110.7	97.9	樣品之金屬件與橡膠管件分離。 (照片 L)
防震管及球法開口	#3	139.1	91.0	樣品之金屬件與橡膠管件分離。 (照片 M)
防震管單球法開口	#4	292.3	98.3	

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圖片 G：測試架設 - 軸向壓縮力試驗



照片-1: 測試後 (樣品 #3)



照片 K: 測試架設 - 側向拉力試驗



照片 H: 測試後 (樣品 #1)



照片-J: 測試後 (樣品 #4)



照片 L: 測試後 (樣品 01)

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Number of 1000's



照片 M: 測試後 (樣品 #3・#4)

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