



## TEST REPORT (#97163250)

### ●PULL-OUT TEST(BY SAFETY ECONOMY ENGINEERING)



GR-S		GR-L	
SIZE	LOAD(TON)	SIZE	LOAD(TON)
25A	0.3	100A	2.0
50A	0.6	150A	3.6
100A	2.0	300A	10.1
300A	9.5		

●TEST: VIBRATION TEST, TIGHTNESS TEST & VACUUM TEST  
(TEST SPECIMEN : 200A GR-S COUPLING)

#### 1. VACUUM TEST

VIBRATION TIME	NO OF CYCLES	AMPLITUDE (mm)	FREQUENCY (S <sup>-1</sup> )	RESULT
REPEAT SEQUENCE	3 × 10 <sup>6</sup>	+0.5	20	GOOD

#### 2. HYDROSTATIC TIGHTNESS TEST

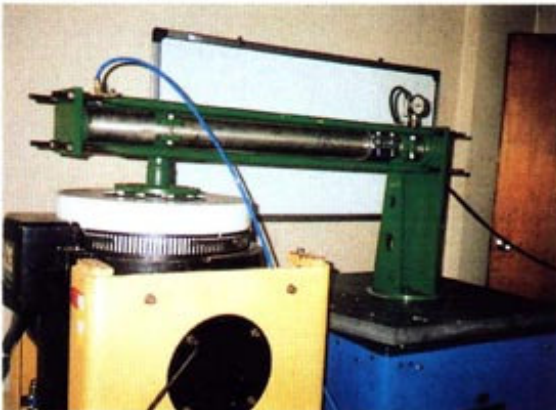
TIGHTNESS TEST DURING VIBRATION TEST	32kg/cm <sup>2</sup> (2 TIMES HIGHER THAN NORMAL WORKING PRESSURE)	RESULT : GOOD
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#### 3. PNEUMATIC VACUUM TEST

VACUUM TEST DURING VIBRATION TEST	TEST PRESSURE FOR VACUUM : 100mbar	RESULT : GOOD
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●TEST LABORATORY:KOREA INSTITUTE OF MACHINERY & MATERIALS

### SCENE OF PRESSURE, VIBRATION & VACUUM TEST



TEST CONTENT:(ABOVE 1, 2, 3 PERFORMED TOGETHER)

### SCENE OF FIRE TEST(FLAME TEST)



TEST CONTENT:PERFORMED 30MIN BY G.L RULE AT 800°C 5.0kg/cm<sup>2</sup> CIRCULATION