

Supplier: Metro Bearing & Automotive Limited				Part No : 278323				
Lab Name: Product Lab				Part Description: Slack Adjuster Assembly				
No.	Requirements	testing times	quantity of testing part	supplier's testing results and conditons		qualified	un-qualified	
1	Adjusting Torque	1 time respectively	3pcs	1.1 Testing Conditions				
	rotate worm wheel one turn clockwise and counter-clockwise respectively, maximum torque is not more than 8.5N.m			a. Ambient Temperature :27±11℃				
				b. slack adjuster placing status: free status ,worm wheel rod shaft is perpendicular and face upward.				
				c. rotate worm wheel 5~10 turns with air-operated spanner before measuring.				
				d. apply torque to worm wheel rod shaft with 0~30N.m torque spanner				
				1.2 Testing Results :				
				a. counter-clockwise				
				Testing Part No.	Maximum Adjusting Torque (N.M)			
				4#	1.0 N.m	OK		
				5#	0.5 N.m	OK		
				6#	0.5 N.m	OK		
				b. clockwise				
				Testing Part No.	Maximum Adjusting Torque (N.M)			
				4#	1.0 N.m	OK		
				5#	1.0 N.m	OK		
				6#	1.0 N.m	OK		
2	tooth clearance (empty stroke)	6 times respectively	3pcs	2.1 Testing Conditions :				
	worm wheel is fixed, apply 7±0.3N.m to arm body,rotate arm body, displacement to the worm wheel center 152.4mm is not more than 6.4mm. Measure once when rotating arm body every 72±3° measurement can be done any length of arm body, but the result should be transformed to arm body length 152.4mm.it can also measure any point on the arm body (displacement angle is not more than 2.4° When measuring actually, it regulates that displacement to the worm wheel center 127mm is not more than 5.3mm or displacement angle is not more than 2.4°(not more than 1 unit of graduation)			a. Ambient Temperature :27±11℃				
				b. slack adjuster placing status: clamp worm wheel end plane orientaed with worm wheel spline bore and put on the slack adjuster clearance measuring setting flatly.				
				c.rotate worm wheel rod shaft oppositely (opposite of measuring direction) to make the measuring hand aim at "0" scale mark.				
				d.hook bushing bore of arm body 177.8mm with spring balance (8kg), pull force is perpendicular to the arm body, pull force is 40N(4Kg)				
				e.measure the swaying displacement or displacement angle of hand.				
				2.2 Testing Results :				
				Testing Part No.	measurement position	actual value		
				4#	0°	2.5 mm	OK	
					72°	2.5 mm	OK	
					144°	3.0mm	OK	
			216°		2.6 mm	OK		
			288°		2.6mm	OK		
			5#	0°	2.5 mm	OK		
				72°	2.5mm	OK		
				144°	2.5 mm	OK		
				216°	2.9 mm	OK		
				288°	2.6 mm	OK		

Signature

Title

Date