Technical Specification

Microduct Connector - Testreport

No.	Projects	Reguirements	Detailed		Pictures	Results	Notes
1	Inside and appearance	No bad defects on the surface; there shall be no dirt or blockage of the passage inside	Standard	EN61300-2-38:2006	 	P	
			Temperature	23℃ ± 3℃			
			Check Method	Naked eye and Vision			
2	Size	Match the drawing size, the error is within the controllable range	Standard	ISO4397:1993(2000)		P	
			Temperature	23℃±3℃			
			Check Method	Caliper Measurement			
3	Trial	Trial matching with related parts	Standard	ISO4397:1993(2000)		P	
			Temperature	23℃ ± 3℃			
			Check Method	Mounting feel			

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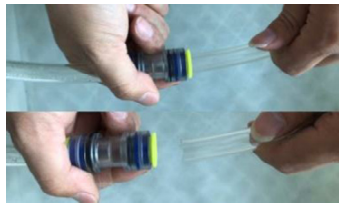
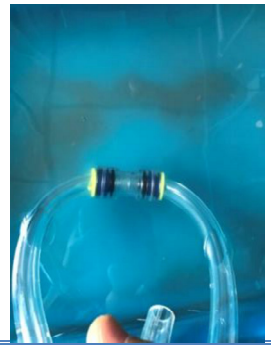
No.	Projects	Reguirements	Detailed		Pictures	Results	Notes
4	Push in and put out power	Push in power: ≤ 60N put out power: ≥ 80N	Standard	ISO4397:1993(2000)	 	P	
			Temperature	23℃ ± 3℃			
			Check Method	Dynamoneter test			
5	Number of pluggable tubes	After 20 times,the PE tube is plugged in meet the sealing and card tubes.	Standard	ISO4397:1993(2000)		P	
			Temperature	23℃ ± 3℃			
			Check Method	Manual Operation			
6	Sealing perfomance after test	Application of 4bar air pressure to keep 30s, do no leakage in the test of breaking pipe	Standard	EN61300-2-38:2006 ISO4397:1993(2000)	 	P	
			Temperature	23℃ ± 3℃			
			Pressure	Internal overpressure 4bar ± 0.2bar			
			Time	30s			
			Check Method	In water and observed			

Technical Specification

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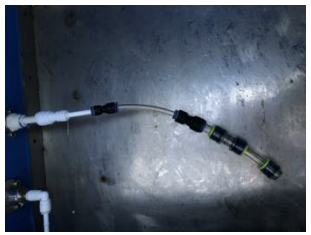
No.	Projects	Reguirements	Detailed		Pictures	Results	Notes
7	Static pressure test	Withstand 12bar hydrostatic pressure 15minutes without seepage and other abnormalities	Standard	EN61300-2-38:2006 ISO4397:1993(2000)	 	P	
			Temperature	23℃ ± 3℃			
			Pressure	Internal overpressure 12bar ± 0.1ba			
			Time	15 min			
			Check Method	Comprehensive test bench			
8	High pressure testing	Withstand 50 bar pressure and keep 10min, no damage, no degasification,no leakage, no deformation phenomenon	Standard	EN61300-2-38:2006 ISO4397:1993(2000)		P	
			Temperature	23℃ ± 3℃			
			Pressure	Internal overpressure ≥50bar ± 1bar			
			Time	10 min			
			Check Method	High pressure test equipment			

Technical Specification

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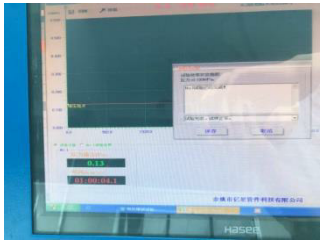
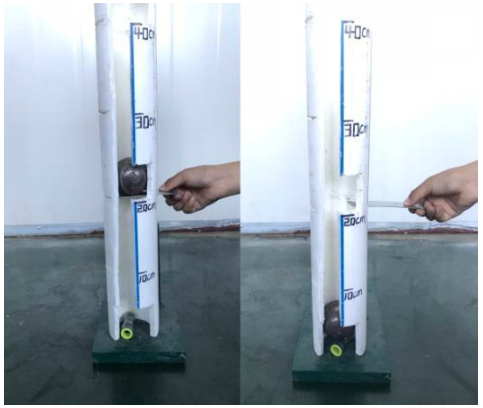
No.	Projects	Reguirements	Detailed		Pictures	Results	Notes
9	Low pressure testing	Withstand 1bar bending pipeline pressure 1hours without leakage	Standard	EN61300-2-38:2006 ISO4397:1993(2000)	 	P	
			Temperature	23℃ ± 3℃			
			Pressure	Internal overpressure 1bar ± 0.1bar			
			Time	1h			
			Check Method	Low pressure test equipment			
10	Water hammer testing	Repet test 100000 times without leakage under pressure of 0-12bar	Standard	ISO4397:1993(2000)	 	P	
			Temperature	23℃ ± 3℃			
			Pressure	Internal overpressure 0bar to 12bar			
			Times	100000 times 100000			
			Check Method	Comprehensive test bench			

Technical Specification

Microduct Connector - Testreport

No.	Projects	Reguirement	Detailed		Pictures	Results
11	IK code testing	After Impact 1.Sealing perfomance 2.Inside and appearance	Standard	EN60794-1-2:2003 Method	 	P
			Temperature	-15℃±2℃ 45℃±2℃		
			Steel ball	1kg		
			Impact locations	Sample mid-section		
			Condition	Specify a temperature of 4hours		
			3,4,5, 1/8,3/16,1/4	IK05(0.7J)		
			7,8,9,10, 5/16,3/8,	IK06-IK07(1.5J)		
			12,14,15,16,18, 1/2	IK07(2J)		
			20,25,32	>IK08(>2J)		