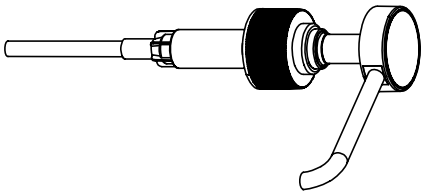
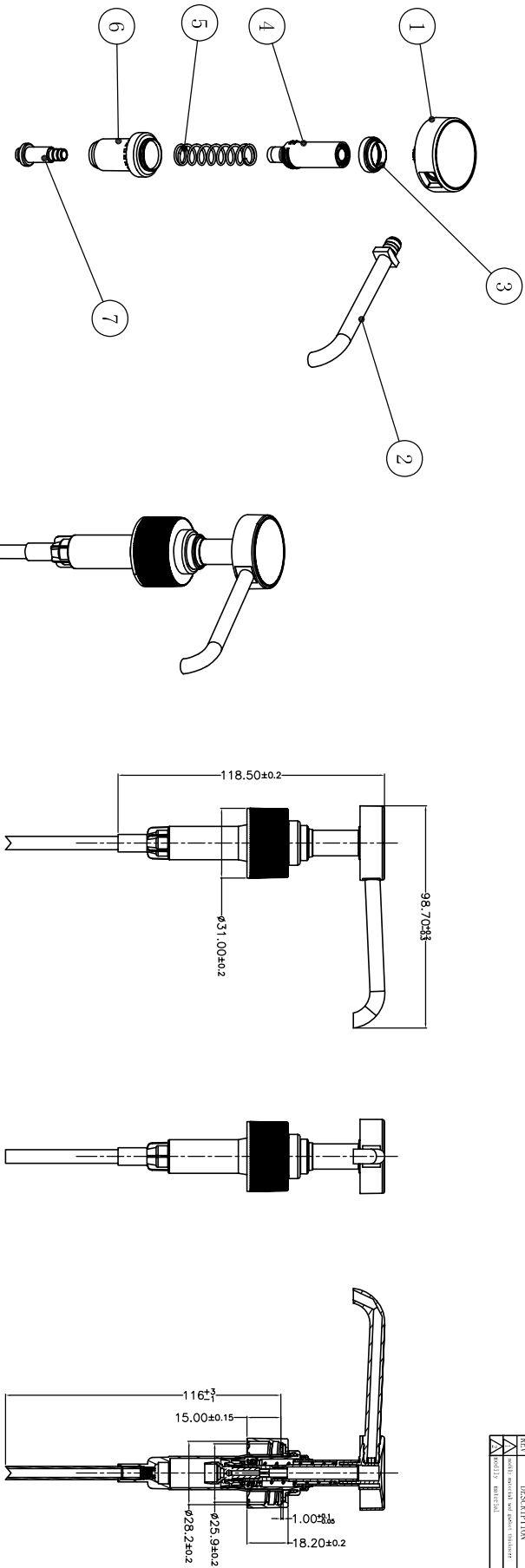




ST4100 M28/410Z



REVISION RECORD			
REV	DESCRIPTION	REASON	DESIGN
REV01	Initial material and design confirmation	无	无
REV02	REV01	无	无



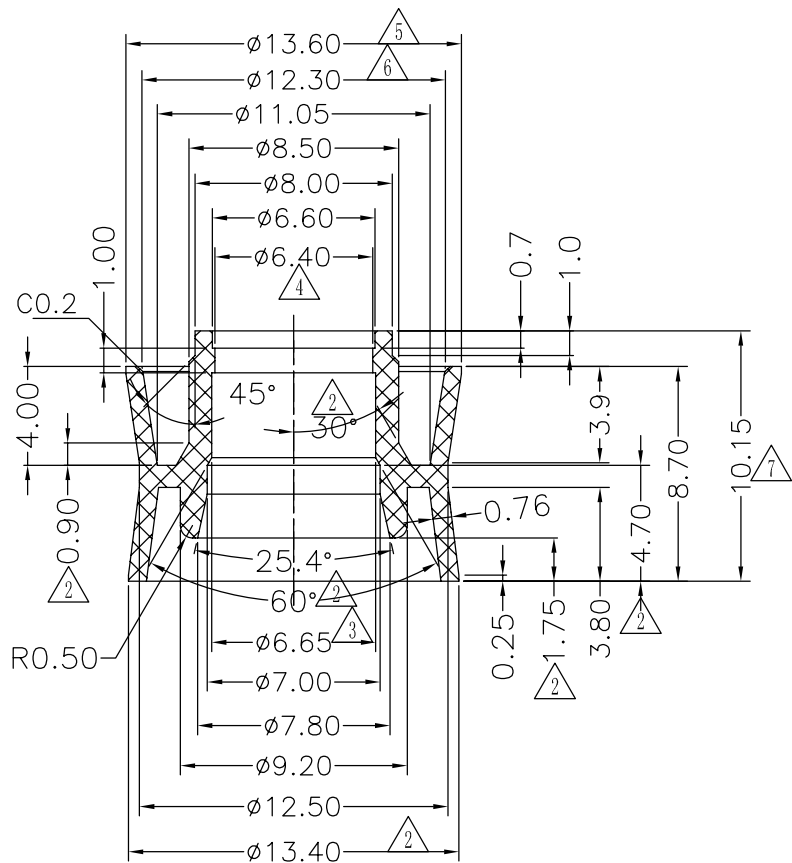
Remarks:  
Output:2.0±0.2ML

14	Dip tube	TR401/016	1	LDPE	0.6642g	21.177.1520
13	Gasket	TR401/044 $\Delta$	1	PE	0.13g	21.177.1350 21.177.1520 21.178.3297
12	Pump housing	TR401/043-B1	1	PP/HKRI02 $\Delta$	3.12g	21.177.1520
11	Ball valve	TR401/016	1	GLASS	0.16g	GT6 7117.06.07
10	Closure	TR401/051	1	PP/HKRI02 $\Delta$	2.30g	21.177.1520
9	Spring base	TR401/004	1	HDPE/5306J	0.38g	21.177.1520
8	Piston	TR401/003	1	LDPE/7042: $\Delta$ LDPE/TN26(G:5)	0.46g	21.177.1520
7	Piston bar	TR401/047	1	PP/HKRI02	0.38g	21.177.1520
6	Connection cap	TR401/042	1	PP/RE420M0	1.56g	21.177.1520
5	Spring	TR401/048	1	SUS304H	1.83g	21.178.3910
4	Connection rod	TR401/041	1	PP/5090T	1.38g	21.177.1520
3	Decorative cover	TR401/045	1	PP/5090T	0.14g	21.177.1520
2	Nozzle	TR401/014	1	PP/RE420M0	1.57g	21.177.1520
1	Actuator	TR401/046	1	PP/5090T	2.35g	21.177.1520
序号/NO	名称/NAME	图号/DRAWING NO	数量/QT Y	材料/MATERIAL	重量/WEIGHT	FDA-Nr.
设计/Design: MDK 2012.12.24						
尺寸划分mm 等级 细级 中级 粗级 审核/Examine:						
1-4	±0.05 ±0.10 ±0.30	批准/Approval:	ST4100-M28-410Z			
4-16	±0.07 ±0.20 ±0.50	材料/Material:				
16-63	±0.10 ±0.30 ±0.70	重量/Weight:				
63-250	±0.20 ±0.50 ±1.20	数量/Qt y:				
250-1000	±0.30 ±0.80 ±2.00	系列号/PART NO. ST4100	图号/DRAWING NO. ST4100-001P	SCALE:	REV: A	SIZE: A4
SHEET: 1/1						

TR401 CORR02410W  
Tel: +86 (574) 62760880 Fax: +86 (574) 62760890  
CEI-15 Far East Industry Park, Yuyao, Zhejiang Province (315400)



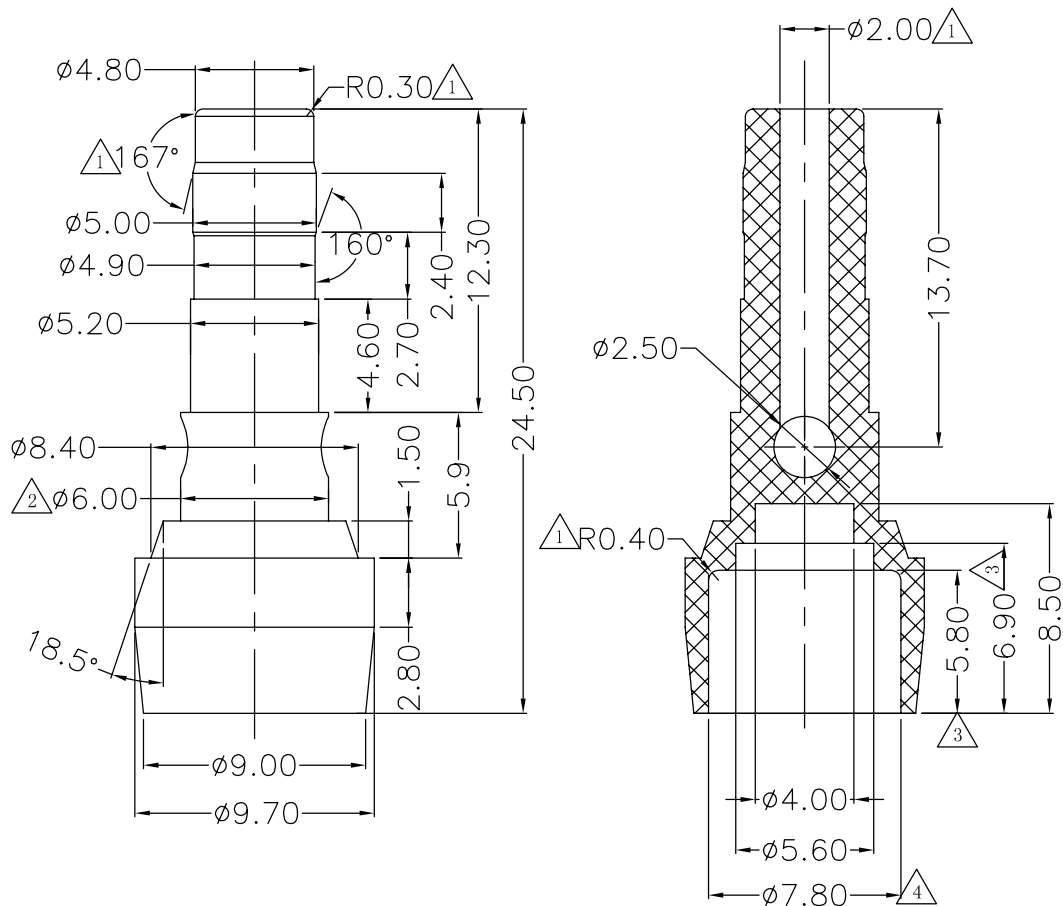
REVISION RECORD		
REV	DESCRIPTION	DESIGN
<div>△a</div>	Product revision	HRH 2006.12.27
<div>△2</div>	Product revision	RYM 09.05.25
<div>△3</div>	Product revision	RYM 09.07.13
<div>△4</div>	Product revision	RYM 09.09.07
<div>△5</div>	Product revision	RYM 10.11.25
<div>△6</div>	material model number correct	RYM 11.05.20
<div>△7</div>	material model number correct	RYM 11.10.27



<div>MM (INCH)</div>				设计/Design: WDK 2012.11.07		<div> <b>TIRIT CORPORATION</b></div>	
尺寸划分MM等级				审核/Examine:		Fax: +86 (574) 62760899 Tel: +86 (574) 62760888	
1-4				批准/Approval:		CE14-15, Far East Industry Park, Yuyao, Zhejiang Province, (315400)	
4-16				材料/Material: LLDPE/7042: LDPE/TN26(5:5)		Piston	
16-63				重量/Weight: 0.46g		图号/DRAWING NO. TR401/003	
63-250				数量/Qt' y:		系列号/PART NO. TR401	
250-1000							

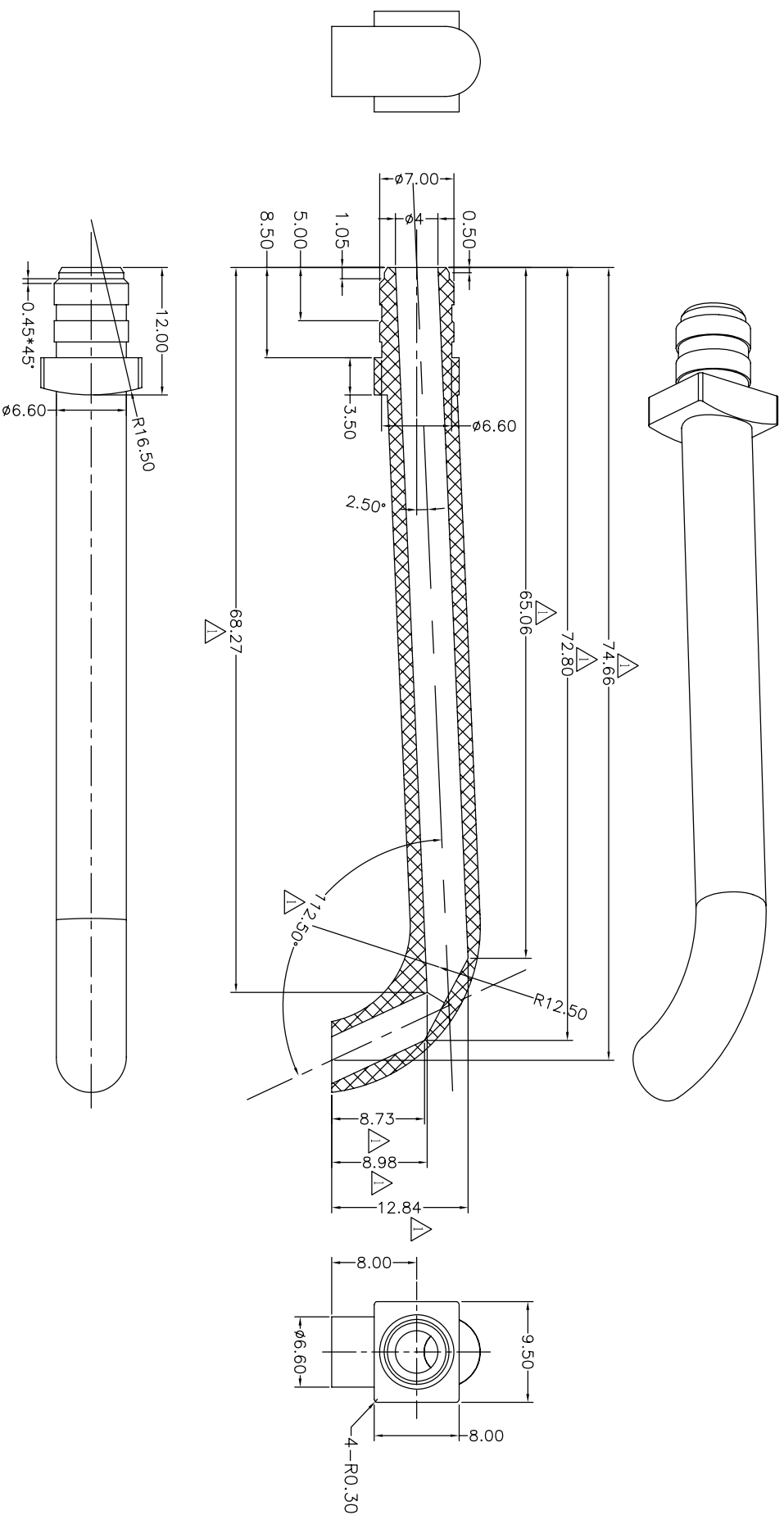
6 | 5 | 4 | 3 | 2 | 1

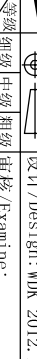

REVISION RECORD		
REV	DESCRIPTION	DESIGN
1	Product revision	RYM 2009.05.19
2	Product revision	RYM 2009.10.14
3	Product revision	RYM 2009.10.15
4	Product revision	RYM 2009.11.05



					设计/Design: WDK 2012.12.24		<b>TIRIT CORPORATION</b> Fax: +86 (574) 62760899 Tel: +86 (574) 62760888 CE14-15, Far East Industry Park, Yuyao, Zhejiang Province, (315400)	
尺寸划分MM	等级	细级	中级	粗级	审核/Examine:	Spring base		SCALE:
1-4		$\pm 0.05$	$\pm 0.10$	$\pm 0.30$	批准/Approval:			REV: A
4-16		$\pm 0.07$	$\pm 0.20$	$\pm 0.50$	材料/Material: HDPE/5306J	图号/DRAWING NO. TR401/004		SIZE: A4
16-63		$\pm 0.10$	$\pm 0.30$	$\pm 0.70$	重量/Weight: 0.38g			SHEET: 1/1
63-250		$\pm 0.20$	$\pm 0.50$	$\pm 1.20$	数量/Qt' y:	系列号/PART NO. TR401		
250-1000		$\pm 0.30$	$\pm 0.80$	$\pm 2.00$				

6 | 5 | 4 | 3 | 2 | 1



					
设计 / Design: WDK 2012.12.24					
 TRIDENT CORPORATION 努力品質					
CH-1-Five East Industry Park, Yuyao, Zhejiang Province, (315400) Fax: +86 (574) 82700899 Tel: +86 (574) 62706888					
尺寸 / Dimension: 等级 / Grade: 中 / Middle: 粗 / Coarse: 批准 / Approval:					
1~4	±0.05 ±0.10 ±0.30				
4~16	±0.07 ±0.20 ±0.50				
16~63	±0.10 ±0.30 ±0.70	材料 / Material : PP / RE420MO			
63~250	±0.20 ±0.50 ±1.20	重量 / Weight : 1.57g			
250~1000	±0.30 ±0.80 ±2.00	数量 / Q'ty :			
系列号 / PART NO. : TR401		图号 / DRAWING NO. : TR401/014			
SCALE:		REV: A			
SIZE: A4		SHEET: 1/1			

REVISION RECORD		
REV	DESCRIPTION	DESIGN

H

G

F

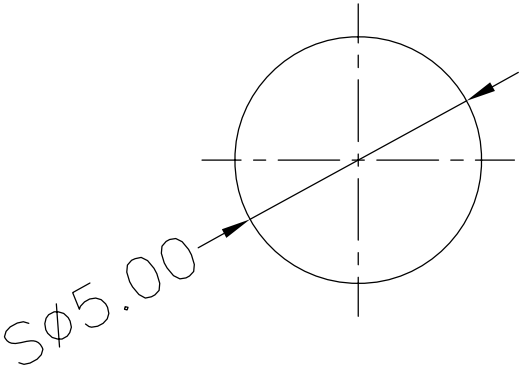
E

D

C

B

A



				设计/Design:WDK 2012. 12. 24		<b>TIRRIT CORPORATION</b> Fax: +86 (574) 62760899 Tel: +86 (574) 62760888 PLANT: CE14-15, Far Edst Industry Park, Yuyao, Zhejiang Province, China	
尺寸划分MM等级		细级	中级	粗级	审核/Examine:	Ball valve	
1-4		±0.05	±0.10	±0.30	批准/Approval:		
4-16		±0.07	±0.20	±0.50	材料/Material: GLASS	SCALE:	
16-63		±0.10	±0.30	±0.70	重量/Weight: 0.16g	REV: A	
63-250		±0.20	±0.50	±1.20	数量/Qty: 1	图号/DRAWING NO. TR401/016	
250-1000		±0.30	±0.80	±2.00	系列号/PART NO. TR401	SIZE: A4	
						SHEET: 1/1	

6

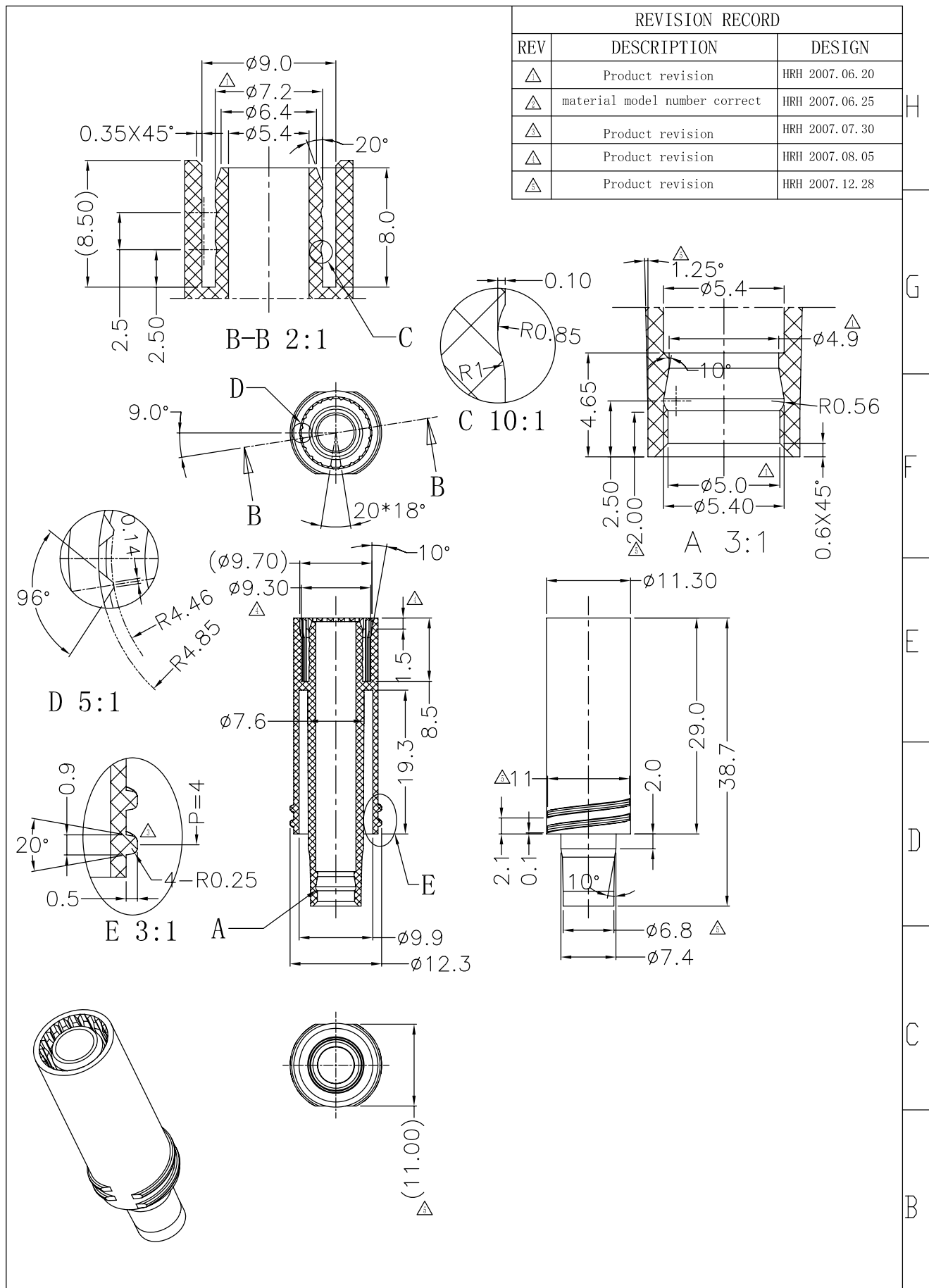
5

4

3

2

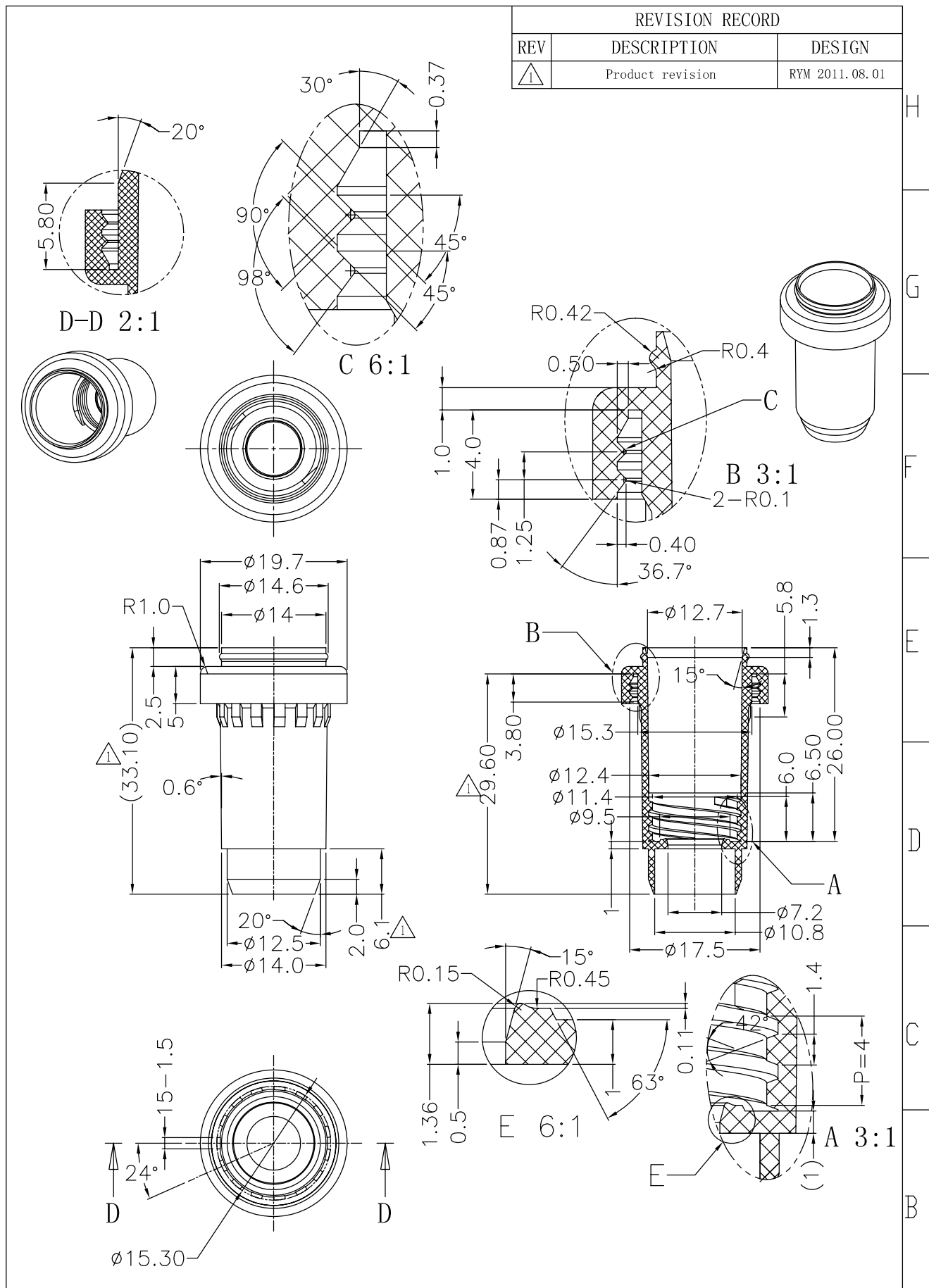
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REVISION RECORD		
REV	DESCRIPTION	DESIGN
△	Product revision	HRH 2007.06.20
△	material model number correct	HRH 2007.06.25
△	Product revision	HRH 2007.07.30
△	Product revision	HRH 2007.08.05
△	Product revision	HRH 2007.12.28

				设计/Design: WDK 2012.12.24				<u>TIRIT CORPORATION</u>		
尺寸划分MM 等级		细级	中级	粗级	审核/Examine:	Fax: +86 (574) 62760899 Tel: +86 (574) 62760888 CE14-15, Far East Industry Park, Yuyao, Zhejiang Province, (315400)				
1-4		±0.05	±0.10	±0.30	批准/Approval:	Connection rod			SCALE:	
4-16		±0.07	±0.20	±0.50	材料/Material: PP/5090T △				REV: A	
16-63		±0.10	±0.30	±0.70	重量/Weight: 1.38g	图号/DRAWING NO. TR401/041			SIZE: A4	
63-250		±0.20	±0.50	±1.20	数量/Qt'y:	系列号/PART NO. TR401			SHEET: 1/1	
250-1000		±0.30	±0.80	±2.00						
6		5		4		3		2		1





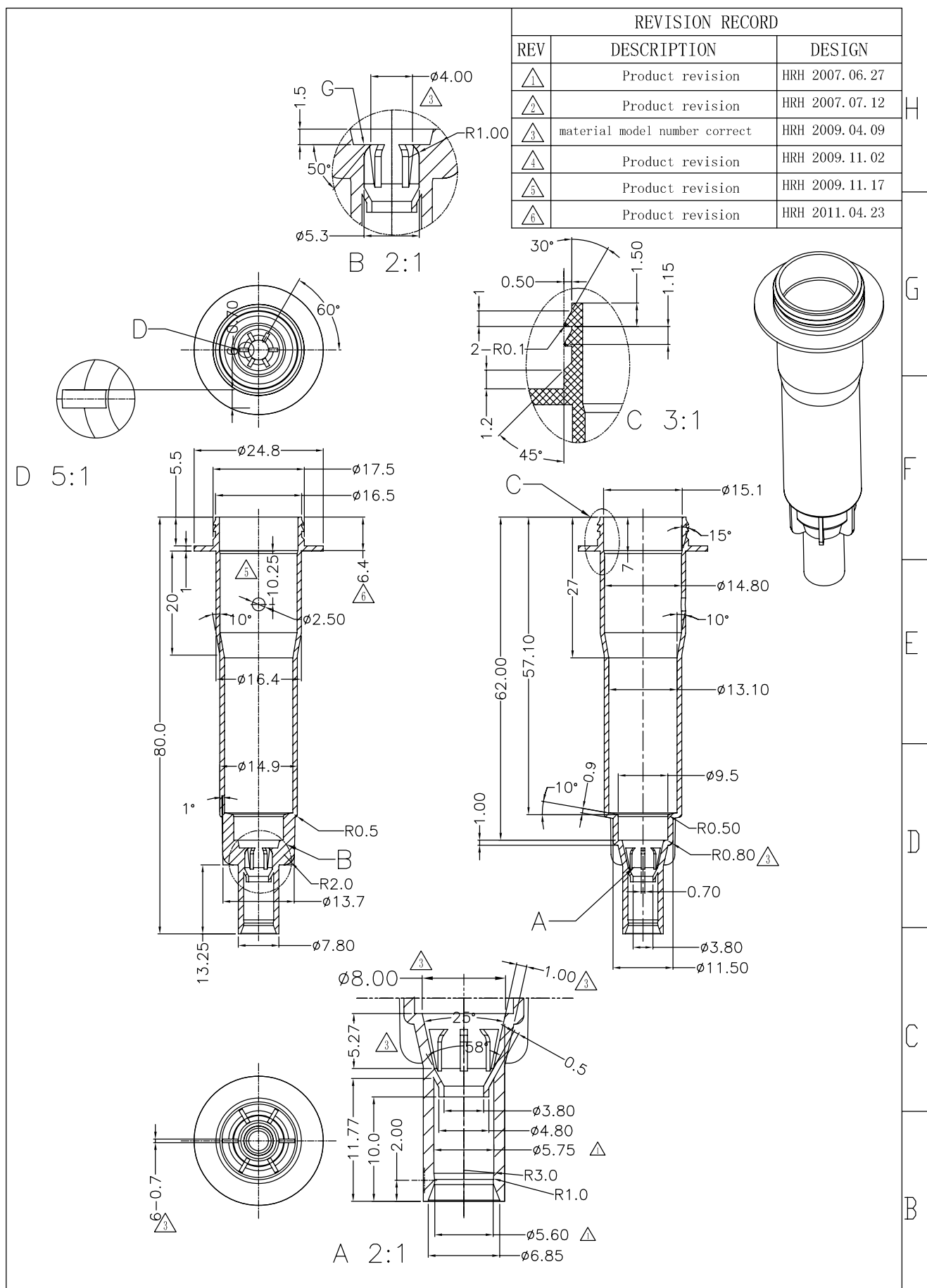
REVISION RECORD		
REV	DESCRIPTION	DESIGN
△1	Product revision	RYM 2011.08.01

 <b>TIRIT CORPORATION</b> Fax: +86 (574) 62760899 Tel: +86 (574) 62760888 CE14-15, Far East Industry Park, Yuyao, Zhejiang Province, (315400)				设计/Design: WDK 2012. 12. 24	
审核/Examine:				批准/Approval:	
材料/Material: PP/RE420M0				重量/Weight: 1.56g	
数量/Qt' y:				图号/DRAWING NO. TR401/042	
系列号/PART NO. TR401				系列号/PART NO. TR401	

尺寸划分MM	等级	细级	中级	粗级
1-4		±0.05	±0.10	±0.30
4-16		±0.07	±0.20	±0.50
16-63		±0.10	±0.30	±0.70
63-250		±0.20	±0.50	±1.20
250-1000		±0.30	±0.80	±2.00

Connection cap		SCALE:
		REV: B
		SIZE: A4
		SHEET: 1/1

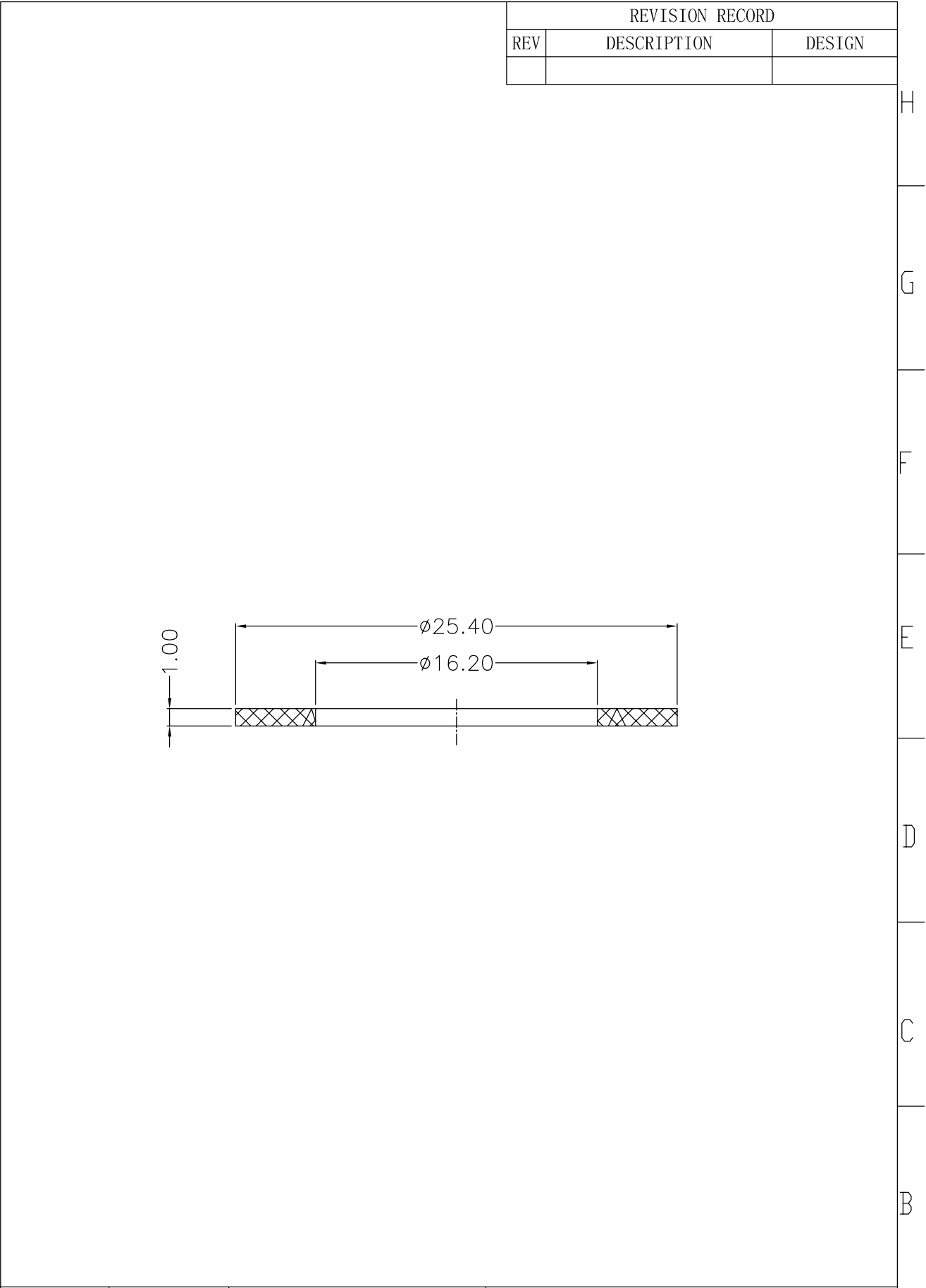
6 | 5 | 4 | 3 | 2 | 1



REVISION RECORD		
REV	DESCRIPTION	DESIGN
1	Product revision	HRH 2007.06.27
2	Product revision	HRH 2007.07.12
3	material model number correct	HRH 2009.04.09
4	Product revision	HRH 2009.11.02
5	Product revision	HRH 2009.11.17
6	Product revision	HRH 2011.04.23

设计/Design: WDK 2012.12.24 审核/Examine: 批准/Approval: 材料/Material: PP/HKR102 重量/Weight: 3.12g 数量/Qt'y:				CE14-15, Far East Industry Park, Yuyao, Zhejiang Province, (315400) Fax: +86 (574) 62760899 Tel: +86 (574) 62760888 Pump housing 图号/DRAWING NO. TR401/043-B1 系列号/PART NO. TR401			
尺寸划分MM 等级 1-4 4-16 16-63 63-250 250-1000				SCALE: REV: A SIZE: A4 SHEET: 1/1			
细级 中级 粗级 ±0.05 ±0.10 ±0.30 ±0.07 ±0.20 ±0.50 ±0.10 ±0.30 ±0.70 ±0.20 ±0.50 ±1.20 ±0.30 ±0.80 ±2.00				6 5 4 3 2 1			

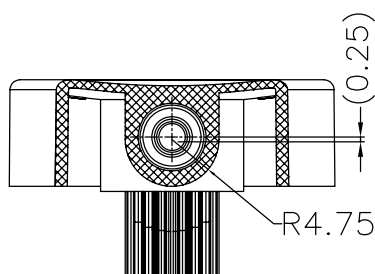
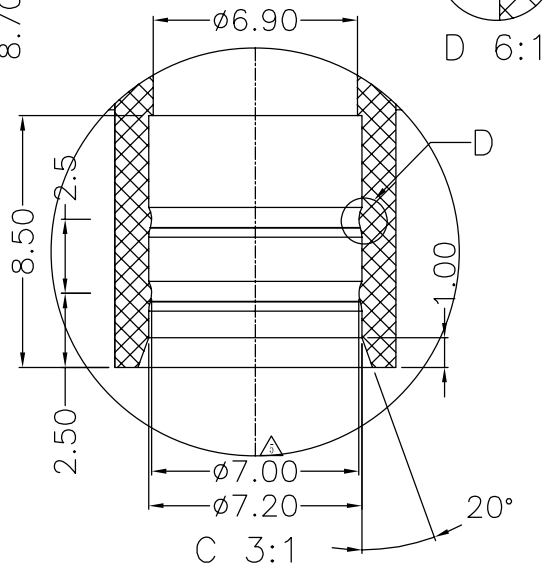
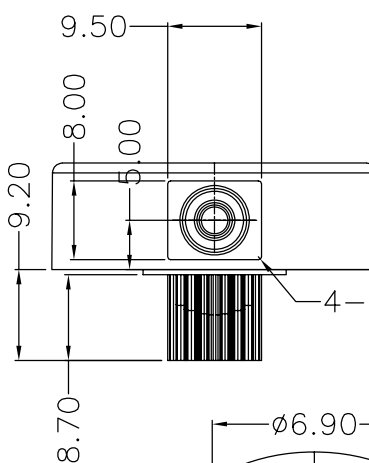
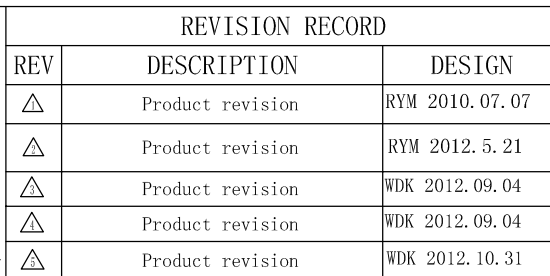




<div><div>MM (INCH)</div><div><div>等级</div><div>细级</div><div>中级</div><div>粗级</div></div></div>				设计/Design:WDK 2012. 12. 24		<div><div><div>TR</div><div>特力王</div></div><div>TIRIT CORPORATION</div><div>Fax:+86 (574) 62760899 Tel: +86 (574) 62760888</div><div>CE14-15, Far East Industry Park, Yuyao, Zhejiang Province, (315400)</div></div>	
尺寸划分MM				审核/Examine:		Gasket	
1-4				批准/Approval:			
4-16				材料/Material:PE		SCALE:	
16-63				重量/Weight:0.13g		REV: A	
63-250				数量/Qt'y:		SIZE: A4	
250-1000				图号/DRAWING NO. TR401/044		SHEET: 1/1	
6				5		3	
2				1		A	







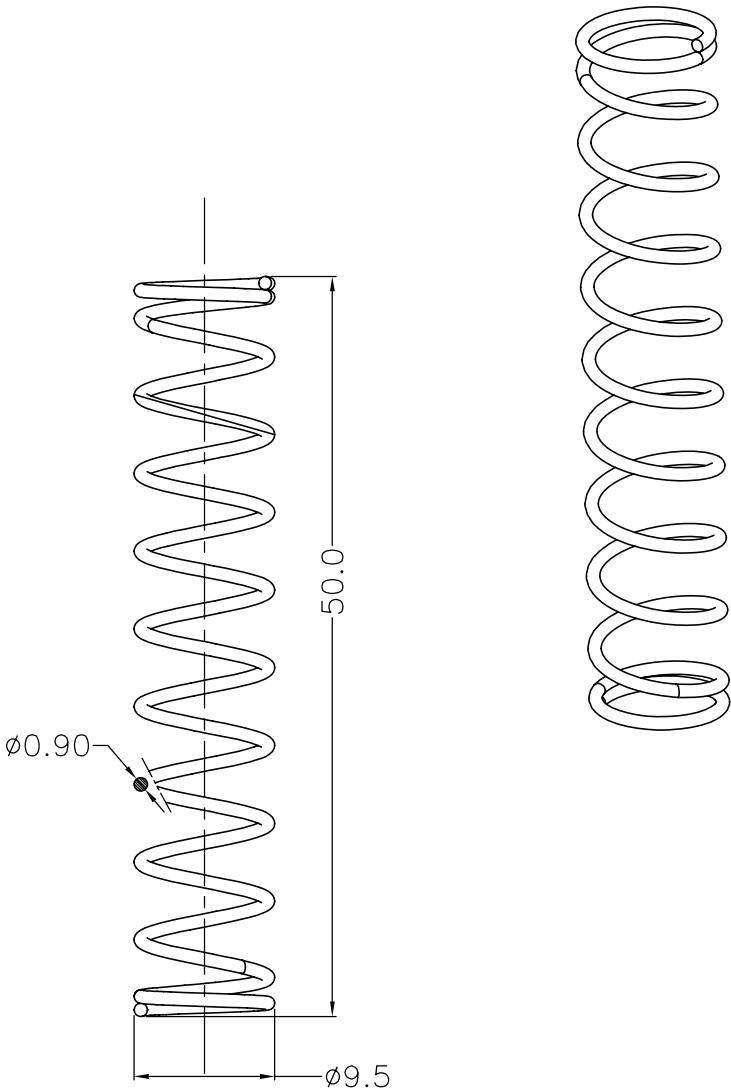
				设计/Design: WDK 2012. 12. 24		 <b>特力工贸</b> <u>TIRRI CORPORATION</u>	
尺寸划分等级	细级	中级	粗级	审核/Examine:		Fax: +86 (574) 62760899 Tel: +86 (574) 62760888	
	1-4	±0.05	±0.10	±0.30	批准/Approval:	CE14-15, Far East Industry Park, Yuyao, Zhejiang Province, (315400)	
	4-16	±0.07	±0.20	±0.50	材料/Material: PP/5090T	Actuator	
	16-63	±0.10	±0.30	±0.70		SCALE:	
	63-250	±0.20	±0.50	±1.20		REV: A	
250-1000	±0.30	±0.80	±2.00	重量/Weight: 2.35g	图号/DRAWING NO. TR401/046	SIZE: A4	
				数量/Qt' y:	系列号/PART NO. TR401	SHEET: 1/1	

1





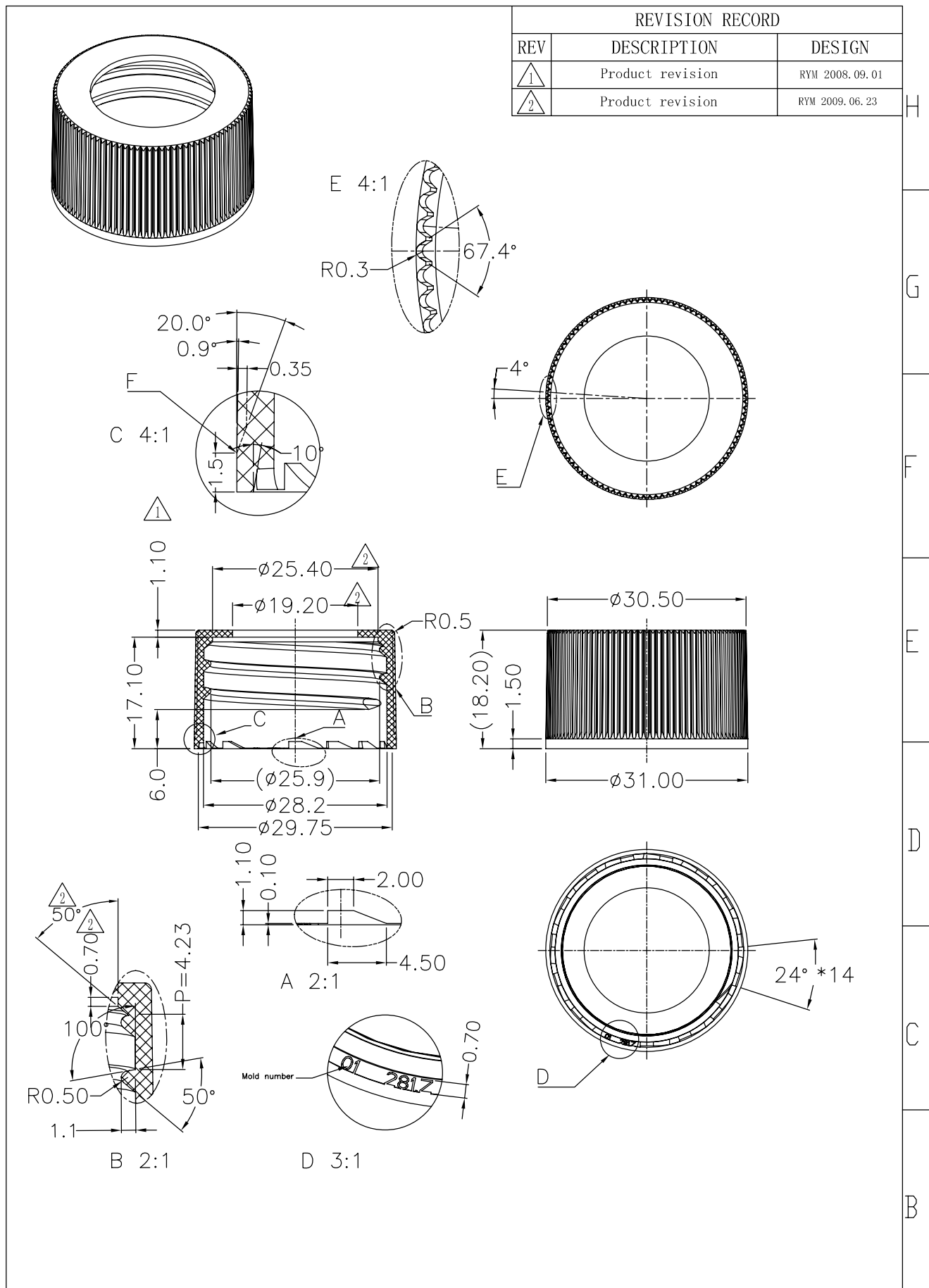
REVISION RECORD		
REV	DESCRIPTION	DESIGN



Technical requirements:  
 Sphere of the total number of  $13\pm0.5$ ,  
 the effective number of lap 11.

				设计/Design: WDK 2012. 12. 24		<b>TIRRIT CORPORATION</b> Fax: +86 (574) 62760899 Tel: +86 (574) 62760888 CE14-15, Far East Industry Park, Yuyao, Zhejiang Province, (315400)		
尺寸划分MM 等级	细级	中级	粗级	审核/Examine:		<div>Spring</div> <div>SCALE: REV: A SIZE: A4 SHEET: 1/1</div>		
	1-4	±0.05	±0.10	±0.30	批准/Approval:			
	4-16	±0.07	±0.20	±0.50	材料/Material: SUS304H			
	16-63	±0.10	±0.30	±0.70	重量/Weight: 1.83g			
	63-250	±0.20	±0.50	±1.20	图号/DRAWING NO. TR401/048/03			
250-1000	±0.30	±0.80	±2.00	数量/Qt' y:		系列号/PART NO. TR401		

6 | 5 | 4 | 3 | 2 | 1



				设计/Design: WDK 2012. 11. 07		<b>TIRIT CORPORATION</b> Fax: +86 (574) 62760899 Tel: +86 (574) 62760888 PLANT: CE14-15, Far Edst Industry Park, Yuyao, Zhejiang Province, China	
尺寸划分MM	等级	细级	中级	粗级	审核/Examine:	<div>Closure</div>	
1-4		±0.05	±0.10	±0.30	批准/Approval:		
4-16		±0.07	±0.20	±0.50	材料/Material: PP/HKR102		
16-63		±0.10	±0.30	±0.70	重量/Weight: 2.30g		
63-250		±0.20	±0.50	±1.20	数量/Qt'y: 1		
250-1000		±0.30	±0.80	±2.00		图号/DRAWING NO. TR401/051	SCALE:
						系列号/PART NO. TR401	REV: A
							SIZE: A4
							SHEET: 1/1
6		5		4		3	
						2	
						1	

## ST4100 M28/410Z

1 samples: production on the 2013-06-20.

2 we tested our samples and they have been declared CONFORM for the following reasons:

NO	Method	TESTS	Quantit y totest	CRITERIA	OUT OF THE NORM	Measured values
1	QAC-MC-082	Dip tube holding force	20	9.8N minimum	NONE	MINI: 16.5N MAXI:37.0N AVERAGE:25.1N
2	QAC-MC-069(spray) or QAC-MC-073(distribution)	Priming (number of strokes to prime)	50	10 strokes maximum	NONE	3 to 4 times
3	48 h rest after priming,bottles standing up at room temperature	No un-priming	50	Whole or part of the dose is expelled at the first stroke	NONE	All pumps primed when pressed at the first stroke
4	QAC-MC-068 (average of 10doses for spray et dispensers)	Regularity of dosage (output).	50	All results at $2.0 \pm 0.2$ ML max from average value	NONE	MINI:1.914ML MAXI:2.100ML AVERAGE:1.994ML (Test liquid: Warter)
5	QAC-MC-070 NB: <i>In some instances,if the leak test is not passed,a restricted approval can be granted for non transportable products (Which limits dramatically the usage possibilities)</i>	Vacuum leak test for pumps > or = 0.5ml, standard protocol.	50	1. No leak when not primed water,at 800mbar x 1mn . 2. No leak when primed and water,at 200mbar x1mn .	NONE	1. No leak 2. No leak (Test liquid: Warter)
6	QAC-MC-067 measuredat approximately 70% of total stroke ;	Functioning force.	8	All results at +/- 20% from average value.	NONE	MINI:20.0N MAXI: 24.0N AVERAGE:22.43N
7	Speed 317mm/min. same course as above ; Spray : alcohol dispenser < 0.5ml : with a cream dispenser > 0.5ml : with a shampoo	Functioning force when filled with alcohol.	8	Under 25Newton : always OK. Up to 40Newton : depending upon ergonomy of actuation.	NONE	MINI:32.0N MAXI: 38.0N AVERAGE:35.93N (Test liquid:Warter)
8	QAC-MC-085	Test for rusting of springs and balls	40	As per method.	NONE	



### 3: results of our tests :

NO	TEST ITEMS	TEST METHOD	TEST RESULTS
1	Dip tube holding force(N)	Force meter measure the dip tube holding force	29.0 33.0 23.0 21.0 20.0 29.5 22.0 23.0 19.0 35.5 17.5 31.5 37.0 21.0 30.0 31.0 16.5 18.0 21.5 23.0 MINI:16.5N MAXI:37.0N AVERAGE:25.1N
2	Priming	Press acuator until it prime	3 to 4 times
3	No un-priming	48 h rest after priming, then press acuator until it prime	All pumps primed when press at the first stroke
4	Output(ml)	Try to press actuator until it prime, and press 10 times, balance the overall output on the lectronic scale, then working-out the output	1.937 1.987 1.958 2.001 2.012 2.008 2.011 1.935 1.970 1.945 2.067 2.018 2.002 2.021 2.030 1.940 1.952 1.929 2.041 1.914 1.948 2.061 2.014 2.017 2.033 2.018 1.970 2.046 2.027 1.949 1.956 2.014 2.035 1.978 2.052 2.096 1.921 2.038 1.995 1.958 2.067 2.049 1.925 1.922 1.913 1.943 2.033 2.100 2.043 1.923 MINI:1.914ML MAXI:2.100ML AVERAGE:1.994ML
5	Vacuum leak test for pumps	1. No leak when not primed water, at 800mbar x 1mn . 2. No leak when not primed and water, at 200mbar x 1mn .	No pumps leak
6	Functioning force(N)	press force meter approximately 70 % of total stroke of acuator, then read the munber of force Meter (5mm)	24.0N 23.5N 20.0N 21.5N 20.0N 23.5N 24.0N 23.0N MINI: 20.0N MAXI: 24.0N AVERAGE:22.43N
7	Functioning force when filled with alcohol(N)	press force meter with speed 317mm/min of total stroke of acuator, then read the munber of force Meter	38.0N 37.0N 32.0N 38.0N 33.5N 34.0N 38.0N 37.0N MINI: 32.0N MAXI: 38.0N AVERAGE:35.93N
8	Test for rusting of springs	keep 20pcs springs into 200g/l' brine, and put them into oven with 55°C for 24h	

Testers:WU  
date:2013-06-22

# ANNEXE 4

FEBEA - Juillet 2012 - Version EN

## REGULATORY ATTESTATION FROM THE PACKAGING SUPPLIER relating to packaging items supplied to the company : [ST4100] Packaging in direct contact with the cosmetic product

### PACKAGING SUPPLIER

Company name (packaging supplier)

YuYao Tirrit Co.,Ltd.

Address (packaging supplier)

CE14-15, Far East Industrial Park, Yuyao, Zhejiang Province, China

### PACKAGING

Reference(s) relative to this certificate

-ST4100 M28/410Z  
-

### NECESSARY INFORMATION FOR COMPLIANCE WITH THE REGULATORY REQUIREMENTS APPLICABLE TO COSMETIC PRODUCTS

A confidential agreement is signed, if necessary

**Cosmetic Regulation** on cosmetic product safety obligation, taking into account the relevant characteristics of the packaging in direct contact with the cosmetic formula and any other useful information for this specific purpose (Regulation n°1223/2009 - Annex I)

**Packaging composition, purity, stability data (substance migration from the packaging)**

Is it a multi-material packaging ?

☒ Yes / ☐ No

**Material(s) classification**

For multi-materials, please indicate content from inside to outside

-PP/HKR102、LDPE、PE、HDPE、GLASS、SUS201、PP/5090T、PP/RE420MO

**Chemical nature of the material (% to be given)**

For multi-materials, please indicate from inside to outside layers

1、PP/HKR102(35.3137%)2、LDPE(6.8448%) 3、PE(0.7915%) 4、HDPE(2.3137%) 5、GLASS(0.9742%) 6、SUS304H(11.1421%) 7、PP/5090T(23.5628%) 8、PP/RE420MO(19.0572%)

**Impurities present in the material, which are technically unavoidable**

To be identified with the chemical name, CAS number ;  
Concentration to be given

-  
-  
-

**Technical substances (additives) used for the production of the packaging (colorant, antioxidant, UV filter, lubricant...)**

To be identified with the chemical name, CAS number ;  
Concentration to be given

-  
-  
-  
-

**Presence of substances listed in the annex II of the Cosmetic Regulation or classified as CMR 1A, 1B, 2 according to the Regulation n°1272/2008**

☐ Yes / ☒ No

If yes, identification of the substance and its concentration

All supporting elements to be indicated and enclosed

**Additional information on the packaging that can be useful for the safety evaluator of the finished cosmetic product**

The packaging material(s) complies with the composition requirement of :

All supporting elements to be indicated and enclosed

- the regulation on materials intended to come into contact with food

☒ Yes / ☐ No

- the European Pharmacopoeia on recipients for pharmaceutical usage

☐ Yes / ☐ No

- the toys safety regulation

☒ Yes / ☐ No

Indicate the type of product(s) compatible with the packaging :

All supporting elements to be indicated and enclosed

- all types of products

☐ Yes / ☐ No

- aqueous products

☒ Yes / ☐ No

- fatty / oily products

☒ Yes / ☐ No

- products with an acidic pH

☐ Yes / ☐ No

- products with a basic pH

☐ Yes / ☐ No

- alcoholic products

☒ Yes / ☐ No

Migration data available

☐ Yes / ☐ No - All supporting elements to be indicated and enclosed

## ANNEXE 4

FEBEA - Juillet 2012 - Version EN

### Packaging and packaging waste Regulation (Directive 94/62/EC)

-The above-named company (packaging supplier) certifies that the packaging complies with the Directive 94/62/EC as well as the heavy metals level: the total concentration levels of lead, cadmium, mercury and hexavalent chromium shall not exceed 100 ppm by weight in the packaging (any supporting documents on heavy metals to be sent)

-For glass packaging containing crystal or recycled materials, indicate the total concentration levels of cadmium, mercury, hexavalent chromium:

-
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### REACH Regulation (Regulation EC n°1907/2006)

- The above-named company (packaging supplier) certifies that the packaging is strictly in accordance with the REACH Regulation, and in particular complies with the restrictions included in annex XVII and with the authorisations/bans included in annex XIV, and commits to informing the recipient of this certificate (the customer) of any compliance gap in relation to REACH Regulation.

- The above-named company (packaging supplier) commits to conformy with the REACH regulation application to clearly and systematically communicate to the addressee of this certificate (the customer) the presence of substances of very high concern\* (SVHC) which are included in the "candidate list" , exceeding more than 0.1%(weight/weight) in the packaging, taking into account in particular the evolutions of the 'candidate list'.

\*[http://echa.europa.eu/chem\\_data/candidate\\_list\\_table\\_en.asp](http://echa.europa.eu/chem_data/candidate_list_table_en.asp)

Presence of SVHC substances included in the "candidate list"

☐ Yes / ☒ No

If yes, identification of the substance and its concentration

All supporting elements to be indicated and enclosed

### CUSTOMER SPECIFIC REQUIREMENTS

- The above-named company (packaging supplier) certifies having knowledge of the specific requirements of the company [XXXX] (the customer) - **requirements specified in the document yyy** - and confirms that the indicated packaging conforms with these requirements.

- The above-named company (packaging supplier) certifies that the above information is exact.

- The above-named company (packaging supplier) commits to informing the recipient of this certificate of any change of quality of the packaging and of any change in its content.

- The addressee of this certificate (the customer) reserves the right to verify the accuracy of the information provided.

Drawn up in :

Company stamp :

Date :

Name :

Function:

Signature:

