

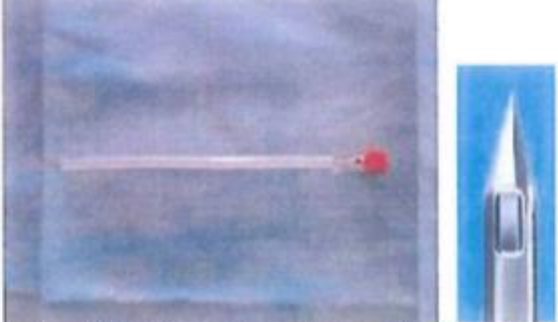
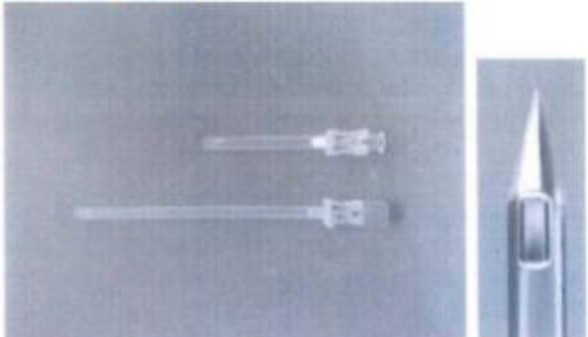
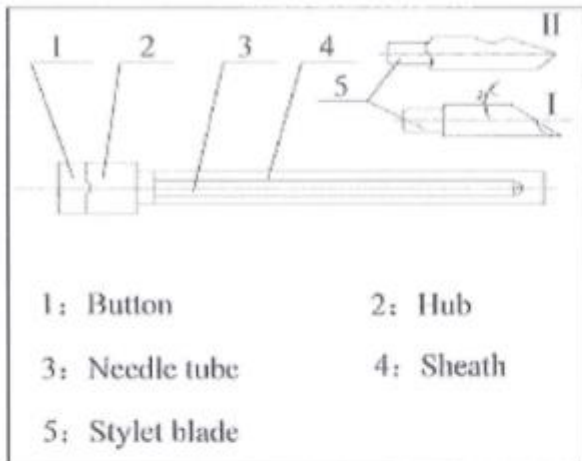


<p><b>Product Description</b></p>	<p>-</p>	<p>The product spinal needle is made up of three parts:</p> <ul style="list-style-type: none"> <li>- Spinal needle (needle tube + needle hub)</li> <li>- Stylet (stylet blade + button)</li> <li>- Sheath</li> </ul> <p>Spinal needles 25 G – 27 G are available with / without introducer needle (optional).</p> <p><b>2 different types</b> of spinal needles available:</p> <p>1) Spinal Needle Type I: <b>Quincke</b> needle (AN-SI)</p>  <p>[Source: Design dossier of anaesthesia needle and anaesthesia kit CE/AS-01-01 Zhejiang Runqiang Medical Co., Ltd.)</p> <p>1.2 Spinal Needle Type I: <b>Quincke</b> needle (AN-SI) + introducer needle</p>  <p>[Source: Design dossier of anaesthesia needle and anaesthesia kit CE/AS-01-01 Zhejiang Runqiang Medical Co., Ltd.)</p> <p>2) Spinal Needle Type II: <b>Pencil point</b> needle (AN-SII)</p>  <p>[Source: Design dossier of anaesthesia needle and anaesthesia kit</p>
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		CE/AS-01-01 Zhejiang Runqiang Medical Co., Ltd.)  2.1) Spinal Needle Type II: <b>Pencil point needle (AN-SII) + introducer needle</b>    [Source: Design dossier of anaesthesia needle and anaesthesia kit CE/AS-01-01 Zhejiang Runqiang Medical Co., Ltd.)
<b>Intended Use</b>	MDD 93/42/EEC	For clinical use in the subarachnoid cavity block for anaesthesia. For puncture/ injection in the human body.
<b>Risk Class</b>	MDD 93/42/EEC	Class III
<b>Rule</b>	Annex IX	Rule 6
<b>UMDNS-Code</b>	-	12753
<b>Parameter</b>	<b>Method</b>	<b>Specification</b>
<b>Sterility</b>	EN ISO 11135-1 EN ISO 11737-1 EN ISO 11737-2	Sterile by EO Gas
<b>Biocompatibility</b>	EN ISO 10993-1	Category: External communicating device Contact: Tissue/bone/dentin Contact Duration: A-limited (≤24h)
<b>Cytotoxicity</b>	EN ISO 10993-5	Product + packaging: Viability ≥ 70 %
<b>Sensitization</b>	EN ISO 10993-10	Product + packaging: No visible change
<b>Irritation or intracutaneous reactivity</b>	EN ISO 10993-10	Product + packaging: No erythema, no oedema
<b>Acute Systemic Toxicity</b>	EN ISO 10993-11	Product: Normal, no symptoms
<b>Bacterial Endotoxins</b>	GB/T14233.1	< 2.15 EU/product
<b>EO-Residuals</b>	EN ISO 10993-7	< 0.1 mg/ ml
<b>Limits for acidity and alkalinity</b>	EN ISO 9626 Annex A	≥ 0.04 ml Sodium Hydroxide or ≥ 0.12 ml Hydrochloric Acid
<b>Metal Ions</b>	GB/T14233.1	Pb ≤ 5 µg/ml Cd ≤ 0.1 µg/ml
<b>pH</b>	GB/T14233.1	ΔpH = max. 1.0
<b>Shelf Life</b>	EN ISO 11607-1 EN ISO 11607-2	2 years

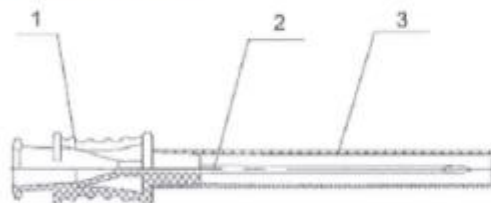
<b>Storage Conditions</b>	EN ISO 11607	<ol style="list-style-type: none"> <li>1. Not allowed to pressed under heavy load</li> <li>2. No direct sun</li> <li>3. To be stored dry (away from rain and snow)</li> <li>4. Soft handling during transportation</li> <li>5. Stored in cool, dry (humidity &lt; 80%), well-ventilated and clean place</li> <li>6. Stored free of caustic gases</li> </ol>
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## II. Components



[Source: Design dossier of anaesthesia needle and anaesthesia kit CE/AS-01-01 Zhejiang Runqiang Medical Co., Ltd.]

Optional: Introducer needle



1. Hub 2. Needle tube 3. Protective sheath.

[Source: Design dossier of anaesthesia needle and anaesthesia kit CE/AS-01-01 Zhejiang Runqiang Medical Co., Ltd.]

Name of component	Material	Specification/ Degree		
<b>Spinal needle</b>	304 stainless steel K-resin ABS PP	Needle tube (3) & stylet blade (5) Hub (2) Button (1) Sheat (4)		
<b>Introducer needle</b>	304 stainless steel K-resin PP	Needle tube (2) Hub (1) Sheat (3)		
Parameter	Method	Specification		
L1 Effective needle length in mm	YY0321.2-2010	<b>Spinal Needle Type I:</b>		
L2 Overall needle length in mm		<table border="1" style="width: 100%; text-align: center;"> <tr> <td>L1 (+/- 1mm)</td> <td>L2 (+/- 1mm)</td> <td>L3 (+ 8/ - 2mm)</td> </tr> </table>	L1 (+/- 1mm)	L2 (+/- 1mm)
L1 (+/- 1mm)	L2 (+/- 1mm)	L3 (+ 8/ - 2mm)		

<b>L3 Sheath length in mm</b>  (Definition of L1, L2, L3 see Appendix II: Technical Drawings)		<table border="1"> <tr><td>38</td><td>53</td><td>100</td></tr> <tr><td>58</td><td>73</td><td>100</td></tr> <tr><td>75</td><td>90</td><td>100</td></tr> <tr><td>88</td><td>103</td><td>100</td></tr> <tr><td>100</td><td>115</td><td>130</td></tr> <tr><td>110</td><td>125</td><td>130</td></tr> <tr><td>120</td><td>135</td><td>130</td></tr> </table>	38	53	100	58	73	100	75	90	100	88	103	100	100	115	130	110	125	130	120	135	130																					
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<b>Outer diameter needle tube in G/ mm</b>  In mm to the nearest 0.05mm for O.D. < 0.6mm  In mm to the nearest 0.1mm for O.D. ≥ 0.6mm	EN ISO 9626	<b>Spinal Needle Type I</b> <table border="1"> <thead> <tr> <th>OD in G</th> <th>OD in mm</th> <th>OD Tolerances in mm</th> </tr> </thead> <tbody> <tr><td>27</td><td>0.4</td><td>0.400-0.420</td></tr> <tr><td>26</td><td>0.45</td><td>0.440-0.470</td></tr> <tr><td>25</td><td>0.5</td><td>0.500-0.530</td></tr> <tr><td>24</td><td>0.55</td><td>0.550-0.580</td></tr> <tr><td>23</td><td>0.6</td><td>0.600-0.673</td></tr> <tr><td>22</td><td>0.7</td><td>0.698-0.730</td></tr> <tr><td>21</td><td>0.8</td><td>0.800-0.830</td></tr> <tr><td>20</td><td>0.9</td><td>0.860-0.920</td></tr> <tr><td>19</td><td>1.1</td><td>1.030-1.100</td></tr> <tr><td>18</td><td>1.2</td><td>1.200-1.300</td></tr> <tr><td>17</td><td>1.4</td><td>1.400-1.510</td></tr> <tr><td>16</td><td>1.6</td><td>1.600-1.690</td></tr> <tr><td>15</td><td>1.8</td><td>1.750-1.900</td></tr> </tbody> </table>	OD in G	OD in mm	OD Tolerances in mm	27	0.4	0.400-0.420	26	0.45	0.440-0.470	25	0.5	0.500-0.530	24	0.55	0.550-0.580	23	0.6	0.600-0.673	22	0.7	0.698-0.730	21	0.8	0.800-0.830	20	0.9	0.860-0.920	19	1.1	1.030-1.100	18	1.2	1.200-1.300	17	1.4	1.400-1.510	16	1.6	1.600-1.690	15	1.8	1.750-1.900
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L3 Sheath length in mm  (Definition of L1, L2, L3 see Appendix II: Technical Drawings)		38	53	100		
		58	73	100		
		75	90	100		
		88	103	100		
		100	115	130		
		110	125	130		
		120	135	130		
		<b>Spinal Needle Type II:</b>				
		<b>L1</b> (+/- 1mm)	<b>L2</b> (+ 0.3/ - 0.5mm)	<b>L3</b> (+ 8/ - 2mm)		
		75	89.5	100		
		88	102.5	100		
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110	124.5	130				
120	134.5	130				
<b>Introducer Needle:</b>						
<b>Effective length</b> (+/- 1mm)	<b>Overall length</b> (+/- 1mm)	<b>Sheat length</b> (+/- 1mm)				
38	68.2	48				
Outer diameter needle tube in G/ mm	EN ISO 9626  In mm to the nearest 0.05mm for O.D. < 0.6mm  In mm to the nearest 0.1mm for O.D. ≥ 0.6mm	<b>Spinal Needle Type I</b>				
		<b>OD in G</b>	<b>OD in mm</b>	<b>OD Tolerances in mm</b>		
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		<b>OD in G</b>	<b>OD in mm</b>	<b>OD Tolerances in mm</b>		
		27	0.4	0.400-0.420		
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		<b>Introducer Needle</b>				
		<b>OD in G</b>	<b>OD in mm</b>	<b>OD Tolerances in mm</b>		
		22	0.7	0.698-0.730		
		21	0.8	0.800-0.830		
		20	0.9	0.860-0.920		
		Inner diameter needle tube	EN ISO 9626	Spinal Needle Type I		

		0.6	12.5	10	0.45
		0.7	15	10	0.50
		0.8	15	15	0.50
		0.9	17.5	15	0.65
		1.1	25	10	0.55
		1.2	25	20	0.55
		1.4	25	22	0.55
		1.6	25	22	0.30
		1.8	25	25	0.45
<b>Needle toughness/ resistance to breakage</b>	EN ISO 9626 Annex D	<b>Designated metric size in mm</b>	<b>Distance between rigid support and point of application of bending force in mm +/- 0.1</b>		<b>Bending Angle</b>
		0.4	8		20°
		0.45	10		20°
		0.5	10		20°
		0.55	12.5		20°
		0.6	15		20°
		0.7	17.5		20°
		0.8	20		20°
		0.9	25		20°
		1.1	27.5		20°
		1.2	30		20°
		1.4	31.5		20°
		1.6	31.5		20°
		1.8	31.5		20°
		No breakage during 20 cycles of reversal force at a rate of 0.5 Hz with above parameters.			
<b>Flow-rate through needle Spinal Needle Type II</b>	YY0321.2- 2010	For O.D. > 0.5 mm: ≥ 6 ml/min For O.D. 0.4 – 0.5 mm: ≥ 3 ml/min			
<b>For Spinal Needle Type I and Introducer Needle not defined &amp; required</b>					
<b>Needle hub</b>	BS 6169	- With female 6% luer taper conical fitting - Tapered pin connector blocks shall comply with the requirements of ISO594-1 or ISO594-2 - No edge, plastic flow, bubbles and other defects			
<b>Connection between Needle and Needle Hub</b>	YY0321.2- 2010	Has to withstand: OD = 0.4 - 0.5 mm: 20 N for 10 s OD = 0.55 - 0.6 mm: 30 N for 10 s OD = 0.7 - 2.1 mm: 45 N for 10 s			
<b>Groove for location of the Stylet Button</b>	-	Present			
<b>Needle stylet</b>	-	<ul style="list-style-type: none"> <li>• Consisting of button and stylet blade</li> <li>• Needle stylet button designed with "tongue" for fixing position with needle hub</li> <li>• Shall not protrude from the needle point</li> <li>• Shall fill the lumen of the needle completely to avoid</li> </ul>			

<b>Connection between Needle Stylet Button and Blade</b>	YY0321.2-2010	coring Has to withstand: • Tensile Strength: OD < 0.5 mm: 5 N for 10 s OD ≥ 0.5 - 1.0 mm: 10 N for 10 s OD > 1.0 mm: 15 N for 10 s • Compressive Force: NONE	
<b>Corrosion resistance (requirement for all metal parts)</b>	EN ISO 9626 Annex E	No visible signs of corrosion	
<b>Particle pollution</b>	-	≥ 5 µm particles: max. 100 particles/ ml eluent	
<b>Colour Coding</b>	-	<b>Outer diameter in G</b>	<b>Colour Needle Hub/ Needle Stylet Button</b>
		27	Med-grey
		26	Brown
		25	Orange
		24	Purple
		23	Deep blue
		22	Black
		21	Dark green
		20	Yellow
		19	Cream
		18	Pink
		17	Red-purple
		16	White
		15	Blue-gray
<b>III. Packaging</b>			
<b>a. Variable Data</b>			
<b>Format Manufacturing date</b>	YYYY/MM		
<b>Format Expiry Date</b>	YYYY/MM		
<b>Batch number system</b>	<ul style="list-style-type: none"> <li>Printed as variable data on primary, secondary and tertiary packing</li> <li>4 figures YYYY taken from purchase confirmation 'XXX/0YYYY' adding 2 figures AA as running no. starting with 01 batch no.: YYYYAA</li> </ul>		
<b>b. Packing Details</b>			
<b>No. of Pouches in one Export Carton</b>	1000		
<b>No. of Clinic Cartons in one Export Carton</b>	20		
<b>No. of Pouches in one Clinic Carton</b>	50		
<b>c. Primary packaging</b>			
<b>Name of component</b>	<b>Material</b>	<b>Method(s)</b>	<b>Specification and degree</b>
Poly-Paper-Pouch	PE-Bag with Tyvek Paper	EN ISO 11607	-
<b>Layout primary packaging</b>		EN 980 EN 1041	- Label printed on paper side - Accord. to latest HELM Layout - Printing is clean, straight and legible
<b>Colour</b>		EN 980 EN 1041	Blue (Pantone 294C) and Black
<b>Dimensions (LxW) [mm]</b>		EN ISO 11607	197 x 60 mm
<b>d. Secondary packaging</b>			

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<b>Name of component</b>	<b>Material</b>	<b>Method(s)</b>	<b>Specification and degree</b>
Clinic Carton	Paper box	-	Ivory board
<b>Layout secondary packaging</b>		EN 980 EN 1041	- Accord. to latest HELM Layout - Printing is clean, straight and legible
<b>Colour</b>		EN 980 EN 1041	Blue (Pantone 294U) and Black
<b>Dimensions (LxWxH) [mm]</b>		EN ISO 11607	220 x 200 x 65 mm
<b>e. Tertiary packaging</b>			
<b>Name of component</b>	<b>Material</b>	<b>Method(s)</b>	<b>Specification and degree</b>
Export Carton	Double Wall+ Kraft	-	-
<b>Layout tertiary packaging</b>		EN 980 EN 1041	- Accord. to latest HELM Layout - Printing is clean, straight and legible
<b>Colour</b>		EN 980 EN 1041	Blue (Pantone 294U) and Black
<b>Dimensions (LxWxH) [mm]</b>		EN ISO 11607	460 x 430 x 370 mm





Manufacturer: Zhejiang Runqiang Medical Instruments Co., Ltd.

WWS Code: See Annex 1

		0.6	12.5	10	0.45
		0.7	15	10	0.50
		0.8	15	15	0.50
		0.9	17.5	15	0.65
		1.1	25	10	0.55
		1.2	25	20	0.55
		1.4	25	22	0.55
		1.6	25	22	0.30
		1.8	25	25	0.45
<b>Needle toughness/ resistance to breakage</b>	EN ISO 9626 Annex D	<b>Designated metric size in mm</b>	<b>Distance between rigid support and point of application of bending force in mm +/- 0.1</b>	<b>Bending Angle</b>	
		0.4	8	20°	
		0.45	10	20°	
		0.5	10	20°	
		0.55	12.5	20°	
		0.6	15	20°	
		0.7	17.5	20°	
		0.8	20	20°	
		0.9	25	20°	
		1.1	27.5	20°	
		1.2	30	20°	
		1.4	31.5	20°	
		1.6	31.5	20°	
		1.8	31.5	20°	
		No breakage during 20 cycles of reversal force at a rate of 0.5 Hz with above parameters.			
<b>Flow-rate through needle Spinal Needle Type II</b>	YY0321.2- 2010	For O.D. > 0.5 mm: ≥ 6 ml/min For O.D. 0.4 – 0.5 mm: ≥ 3 ml/min			
<b>For Spinal Needle Type I and Introducer Needle not defined &amp; required</b>					
<b>Needle hub</b>	BS 6169	- With female 6% luer taper conical fitting - Tapered pin connector blocks shall comply with the requirements of ISO594-1 or ISO594-2 - No edge, plastic flow, bubbles and other defects			
<b>Connection between Needle and Needle Hub</b>	YY0321.2- 2010	Has to withstand: OD = 0.4 - 0.5 mm: 20 N for 10 s OD = 0.55 - 0.6 mm: 30 N for 10 s OD = 0.7 - 2.1 mm: 45 N for 10 s			
<b>Groove for location of the Stylet Button</b>	-	Present			
<b>Needle stylet</b>	-	<ul style="list-style-type: none"> <li>• Consisting of button and stylet blade</li> <li>• Needle stylet button designed with “tongue” for fixing position with needle hub</li> <li>• Shall not protrude from the needle point</li> <li>• Shall fill the lumen of the needle completely to avoid</li> </ul>			



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		coring	
<b>Connection between Needle Stylet Button and Blade</b>	YY0321.2-2010	Has to withstand: <ul style="list-style-type: none"> <li>• Tensile Strength:             <ul style="list-style-type: none"> <li>OD &lt; 0.5 mm: 5 N for 10 s</li> <li>OD ≥ 0.5 - 1.0 mm: 10 N for 10 s</li> <li>OD &gt; 1.0 mm: 15 N for 10 s</li> </ul> </li> <li>• Compressive Force: NONE</li> </ul>	
<b>Corrosion resistance (requirement for all metal parts)</b>	EN ISO 9626 Annex E	No visible signs of corrosion	
<b>Particle pollution</b>	-	≥ 5 µm particles: max. 100 particles/ ml eluent	
<b>Colour Coding</b>	-	<b>Outer diameter in G</b>	<b>Colour Needle Hub/ Needle Stylet Button</b>
		27	Med-grey
		26	Brown
		25	Orange
		24	Purple
		23	Deep blue
		22	Black
		21	Dark green
		20	Yellow
		19	Cream
		18	Pink
		17	Red-purple
		16	White
		15	Blue-gray
<b>III. Packaging</b>			
<b>a. Variable Data</b>			
<b>Format Manufacturing date</b>	YYYY/MM		
<b>Format Expiry Date</b>	YYYY/MM		
<b>Batch number system</b>	<ul style="list-style-type: none"> <li>• Printed as variable data on primary, secondary and tertiary packing</li> <li>• 4 figures YYYY taken from purchase confirmation 'XXX/0YYYY' adding 2 figures AA as running no. starting with 01 batch no.: YYYYAA</li> </ul>		
<b>b. Packing Details</b>			
<b>No. of Pouches in one Export Carton</b>	1000		
<b>No. of Clinic Cartons in one Export Carton</b>	20		
<b>No. of Pouches in one Clinic Carton</b>	50		
<b>c. Primary packaging</b>			
<b>Name of component</b>	<b>Material</b>	<b>Method(s)</b>	<b>Specification and degree</b>
<b>Poly-Paper-Pouch</b>	PE-Bag with Tyvek Paper	EN ISO 11607	-
<b>Layout primary packaging</b>		EN 980 EN 1041	- Label printed on paper side - Accord. to latest HELM Layout - Printing is clean, straight and legible
<b>Colour</b>		EN 980 EN 1041	Blue (Pantone 294C) and Black
<b>Dimensions (LxW) [mm]</b>		EN ISO 11607	197 x 60 mm
<b>d. Secondary packaging</b>			



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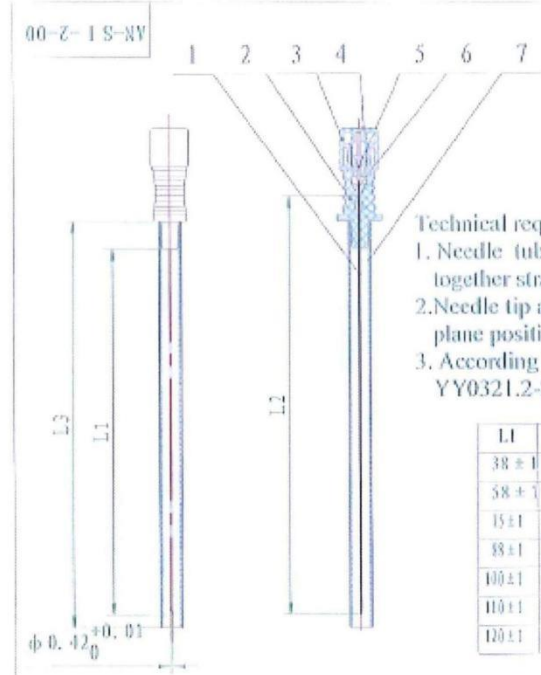
Name of component	Material	Method(s)	Specification and degree
Clinic Carton	Paper box	-	Ivory board
Layout secondary packaging		EN 980 EN 1041	- Accord. to latest HELM Layout - Printing is clean, straight and legible
Colour		EN 980 EN 1041	Blue (Pantone 294U) and Black
Dimensions (LxWxH) [mm]		EN ISO 11607	220 x 200 x 65 mm
<b>e. Tertiary packaging</b>			
Name of component	Material	Method(s)	Specification and degree
Export Carton	Double Wall+ Kraft	-	-
Layout tertiary packaging		EN 980 EN 1041	- Accord. to latest HELM Layout - Printing is clean, straight and legible
Colour		EN 980 EN 1041	Blue (Pantone 294U) and Black
Dimensions (LxWxH) [mm]		EN ISO 11607	460 x 430 x 370 mm



**IV. Technical drawing**

**Example Drawing Spinal Needle Type I:**

Doc name	Drawings of product of anesthesia needle and anesthesia kit	Doc No	CEAS-01-10
Version	A/0	Effective date	2012-04-30



00-2-1 S-NV

Technical requirements:  
 1. Needle tube and Hub Connected together straight, tension test  $\geq 20N$ .  
 2. Needle tip and Hub in the same plane positioning.  
 3. According to the standard of YY0321.2-2009.

L1	L2	L3
38 ± 1	51 ± 1	100 $\frac{+5}{-2}$
38 ± 1	71 ± 1	100 $\frac{+5}{-2}$
35 ± 1	90 ± 1	100 $\frac{+5}{-2}$
48 ± 1	103 ± 1	100 $\frac{+5}{-2}$
100 ± 1	115 ± 1	130 $\frac{+5}{-2}$
110 ± 1	135 ± 1	130 $\frac{+5}{-2}$
120 ± 1	155 ± 1	130 $\frac{+5}{-2}$

7	AN-S I -1-07	Sheath	1	PP	
6	AN-S I -1-06	Stylet blade	1	0Cr18Ni9	
5	AN-S I -1-05	Protect tube	1	0Cr18Ni9	
4	AN-S I -1-04	Choke plug	1	ABS	
3	AN-S I -1-03	Button	1	ABS	
2	AN-S I -2-01	Hub	1	K-resin	
1	AN-S I -1-01	Needle tube	1	0Cr18Ni9	

Part No	SN	Code name	Name	Qty	Material	Remark																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4" style="text-align: center;">Spinal needle (Type I) -26G</td> <td colspan="3" style="text-align: center;">AN-S I -2-00</td> </tr> <tr> <td style="width: 20%;">Drawing sign</td> <td style="width: 10%;">Count</td> <td style="width: 10%;">Weight</td> <td style="width: 10%;">By</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td colspan="3" style="text-align: center;">Total (11)</td> <td colspan="3" style="text-align: center;">No. (1)</td> </tr> </table>							Spinal needle (Type I) -26G				AN-S I -2-00			Drawing sign	Count	Weight	By			Total (11)			No. (1)		
Spinal needle (Type I) -26G				AN-S I -2-00																					
Drawing sign	Count	Weight	By																						
Total (11)			No. (1)																						
Assemble																									

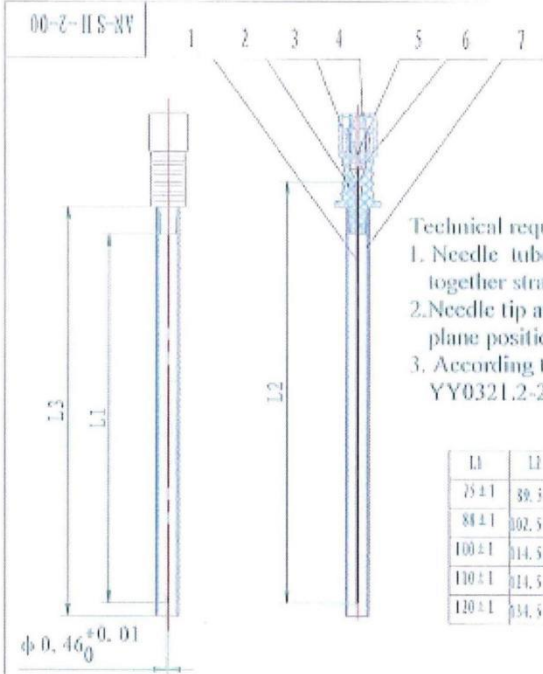
**Remark:** Lengths parameters, including tolerances, are valid for all Gauge-sizes!





**Example Drawing Spinal Needle Type II:**

Doc name	Drawings of product of anesthesia needle and anesthesia kit	Doc No	CE/AS-01-10
Version	A/0	Effective date	2012-04-30



Technical requirements:

1. Needle tube and Hnb Connected together straight, tension test  $\geq 20N$ .
2. Needle tip and Hub in the same plane positioning.
3. According to the standard of YY0321.2-2009.

L1	L2	L3
75 ± 1	39.5 $^{+0.1}_{-0.1}$	104 $^{+0.1}_{-0.1}$
84 ± 1	40.5 $^{+0.1}_{-0.1}$	105 $^{+0.1}_{-0.1}$
100 ± 1	44.5 $^{+0.1}_{-0.1}$	130 $^{+0.1}_{-0.1}$
110 ± 1	44.5 $^{+0.1}_{-0.1}$	130 $^{+0.1}_{-0.1}$
120 ± 1	44.5 $^{+0.1}_{-0.1}$	130 $^{+0.1}_{-0.1}$

7	AN-S I -1-07	Sheath	1	PP/PE	
6	AN-S II -1-03	Stylet blade	1	0Cr18Ni9	
5	AN-S II -1-02	Protect tube	1	0Cr18Ni9	
4	AN-S I -1-04	Choke plug	1	ABS	
3	AN-S I -1-03	Button	1	ABS	
2	AN-S I -1-02	Hub	1	K-resin	
1	AN-S II -1-01	Needle tube	1	0Cr18Ni9	

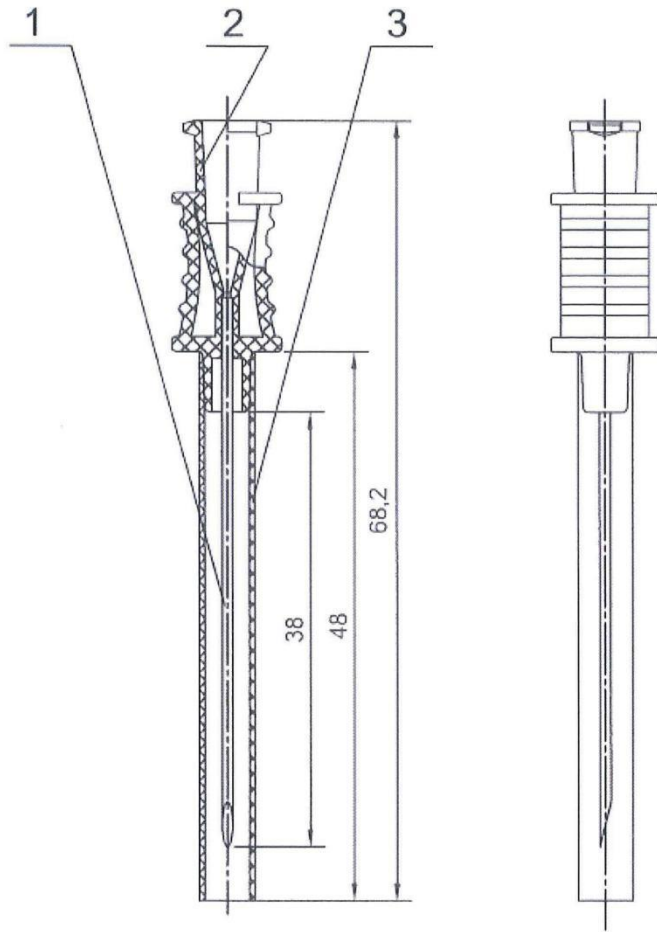
Proc Discrpt No	SN	Code name	Name	Qty	Material	Remark
		Spinal needle (Type II) -26G		AN-S II -2-00		
Date		Design	Releasing No	Signature	Date	Weight
Signature		Drawing	Craftwork	Standar		Qty
		Proof	Approve			1:1
		Auditing	Date			Total (1)
		Assemble		No (1)		
		Ranjiang Medical Instruments Co., Ltd				

**Remark:** Lengths parameters, including tolerances, are valid for all Gauge-sizes!



LTD.

Example Drawing Introducer Needle:



38 mm = Effective Length  
68.2 mm = Overall Length  
48 mm = Sheet Length