

GENERAL HEADQUARTERS  
ARMED FORCES OF THE PHILIPPINES  
**OFFICE OF THE QUARTERMASTER GENERAL**  
Camp General Emilio Aguinaldo  
Quezon City

AFF SPECIFICATION

QM SPEC NR. IC-21BWG  
OCT 18 2012

**BELT, WAIST, GARTERIZED, OD**

**1. GENERAL**

1.1 Scope – This specification covers one (1) type of Belt, Waist, Garterized, Olive Drab (OD) for garrison use of military personnel of the Armed Forces of the Philippines.

1.2 Grade – The finished Belt, Waist, Garterized, OD shall be of the quality and grade of product prescribed by this specification.

1.3 Sizes – The sizes of the Belt, Waist, Garterized, OD shall range from 91.44 cm to 106.68 cm long as specified in the invitation to bid or in pertinent purchase orders.

**2. REQUIREMENTS**

2.1 First Article - Two (2) finished samples of Belt, Waist, Garterized, OD shall be submitted to the Office of The Quartermaster General, AFP or equivalent office in the major services for first article inspection in accordance with para 3.1

**2.2 Materials**

2.2.1 Basic Material – The Belt, Waist, Garterized, OD shall be made of nylon or polyester warp and filling, olive drab in color and shall conform to the following requirements:

Yarn Size, Denier				
Warp	-	-	-	1,100 (minimum)
Filling	-	-	-	680 (minimum)
Thread Count/2.54 cm				
Warp	-	-	-	130 (minimum)
Filling	-	-	-	90 (minimum)
Number of Ply				
Warp	-	-	-	1 (minimum)
Filling	-	-	-	2 (minimum)
No. of Rubber Strands	-	-	-	30 (minimum)
Breaking Strength,				
Per Strand, kg	-	-	-	2.5 (minimum)
Weight, g/lin m	-	-	-	70 (maximum)
Width, cm	-	-	-	3.0 (± 0.2)
Thickness in mils	-	-	-	100 (minimum)
Tensile Strength, Kg	-	-	-	230 (minimum)
(Full Width)				

2.2.2 End Clips - The end clips shall be made of stainless steel with a minimum thickness of 0.5 mm and shall be of the same finish as the outer frame of the buckle.

### 2.3 Workmanship

2.3.1 Design – The Belt, Waist, Garterized, OD shall be of the design essentially the same as shown in the accompanying illustration and as described in this textual.

2.3.2 Workmanship – The Belt, Waist, Garterized, OD shall be well-finished, well cleaned and free from any defect which may affect the serviceability, appearance and color of the finished item.

## 3. VERIFICATION

3.1 First Article Inspection – The two (2) pieces samples of the finished belt, waist, garterized, OD submitted in para 2.1 shall be subjected to first article inspection and for approval as against the bid sample. The samples shall be subjected to tests and examination to verify if the requirements in para 2.2 through 2.3 are satisfied with reference to the attached test parameters and classification of defects for this document.

### 3.2 Sampling

3.2.1 Samples of materials, components and other items entering into the manufacture of the belt, waist, garterized shall be taken at random from time to time by AFP inspectors for purposes of examination and to determine compliance with the requirements of this specification.

3.2.2 Pre-production Sample – Before actual production starts, the contractor/manufacturer shall submit two (2) samples of the finished belt, waist, garterized, OD to RDC, ASCOM, PA to determine extent of compliance insofar as the quality of materials used is concerned and one (1) finished sample to the Office of The Quartermaster General, AFP or equivalent office in the major services for approval as to workmanship, style and finish.

## 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for Inspection – Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in this document where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

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4.2 Responsibility for Compliance - All items must meet all requirements of Section 2 and 3. The inspection set forth in this document shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the document shall not relieve the contractor of the responsibility of assuring that all product or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling in quality conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material.

4.3 Responsibility for Dimensional Requirements - Unless specified in the contract or purchase order, the contractor is responsible for assuring that all specified dimensions have been met. When dimensions cannot be examined on the end item, inspection shall be made at any or all points in the manufacturing process necessary to assure compliance with all dimensional requirements.

4.4 Bid Samples - One (1) bid sample of the finished belt, waist, garterized, OD shall be submitted to RDC, ASCOM, PA to determine extent of compliance insofar as the quality of materials used is concerned and one (1) finished sample to the Office of The Quartermaster General, AFP or equivalent office in the major services to determine the extent of compliance with this specification insofar as workmanship, style and finish are concerned.

## 5. PACKAGING AND PACKING

5.1 Packaging - One (1) piece of the Belt, Waist, Garterized, OD shall be properly placed in a re-sealable plastic bag.

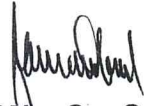
5.2 Packing - Eighty (80) pieces Belt, Waist, Garterized, OD shall be packed in a corrugated carton. The top cover when closed shall be sealed with a binding tape and finally secured with nylon straps. The box shall be labeled as follows:

BELT, WAIST, GARTERIZED, OD  
QM SPEC NR IC-21BWG  
Name of Manufacturer  
Quantity

## 6. MISCELLANEOUS

6.1 The contractor/manufacturer shall notify the Office of The Quartermaster General or equivalent office in the major services at least seven (7) days before actual production of the belt, waist, web starts so that AFP inspectors can be assigned to inspect the quality of materials to be used as well as the process of manufacture.

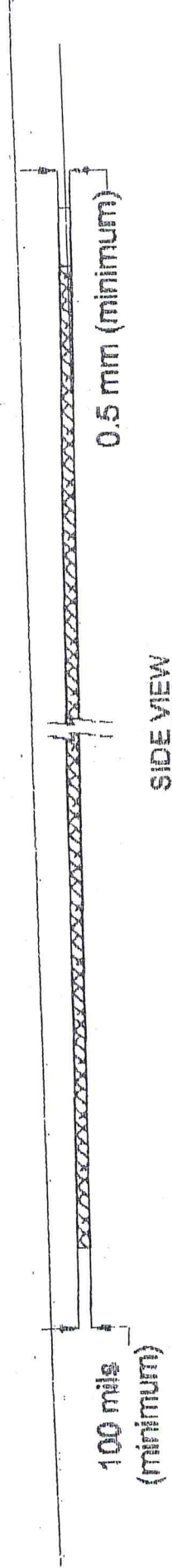
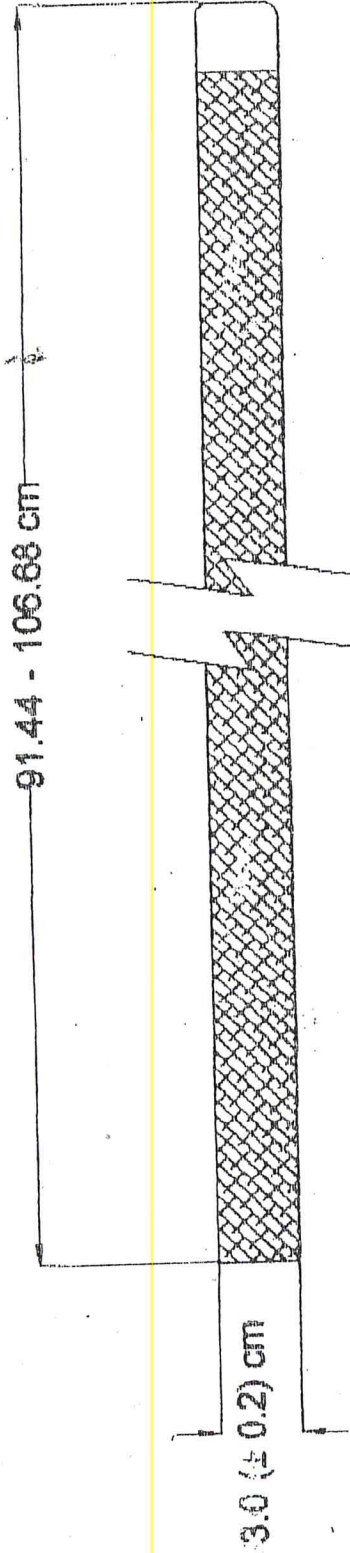
6.2 Any point not covered by this text shall be governed by the attached illustrations will shall be followed in every detail.

  
**RAMON C CABAL**  
BGEN AFP  
The Quartermaster General, AFP

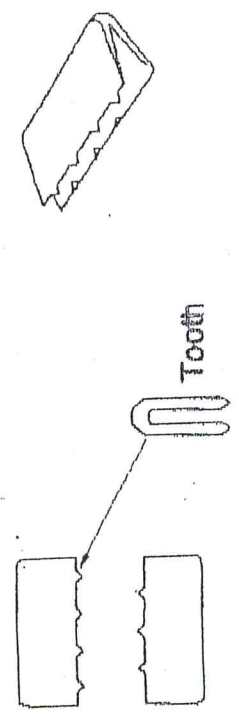
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# BELT, WAIST, GARTERIZED, OD



End Clips (Stainless Steel)

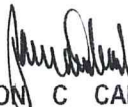


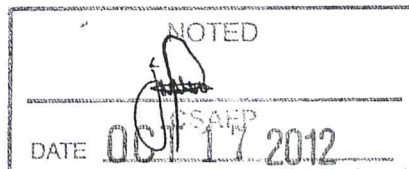
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**TEST PARAMETERS**  
BELT, WAIST, GARTERIZED, OD  
OCT 18 2012

TEST PARAMETERS	QM SPEC NR IC-21BWG dtd <u>OCT 18 2012</u>	Classification of Defects	
		Major	Minor
<b>Measurement</b>			
Length, cm	91.44 - 106.68	x	
Width, cm	3.0 (+0.2)	x	
<b>Basic Material</b>			
Material			
Warp	Nylon or polyester	x	
Filling	Nylon or polyester	x	
Color	Olive Drab (OD)	x	
Yarn Size, Denier			
Warp	1,100 (minimum)		x
Filling	680 (minimum)		x
Thread Count/2.54 cm			
Warp	130 (minimum)		x
Filling	90 (minimum)		x
Nr of Ply			
Warp	1 (minimum)		x
Filling	2 (minimum)		x
Nr of Rubber Strands	30 (minimum)	x	
Breaking Strength per strand, kg	2.5 (minimum)	x	
Weight, g/lin. m	70 (maximum)		x
Width, cm	3.0 (+0.2)		x
Thickness, mils	100 (minimum)		x
Tensile Strength, kg (full width)	230 (minimum)	x	
<b>End Clips</b>	Stainless Steel	x	
Thickness, mm	0.5 (minimum)	x	
<b>TOTAL TEST POINTS</b>		<b>10</b>	<b>9</b>


  
**RAMON C CABAL**  
BGEN AFP  
The Quartermaster General, AFP



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OFFICE OF THE ARMY QUARTERMASTER  
Fort Andres Bonifacio, Metro Manila

**TEST PARAMETERS**  
**BELT, WAIST, GARTERIZED, OD**

TEST PARAMETERS	QM SPEC NR C - 21BWG dtd Oct 18, 2012	Classification	
		Major	Minor
<b>Measurement, cm</b>			
Length	91.44 - 106.68	x	
Width	3.0 (±0.2)	x	
<b>Basic Material</b>			
Warp	Nylon or polyester	x	
Filling	Nylon or polyester	x	
Color	Olive Drab (OD)	x	
Yarn Size, Denier			
Warp	1,100 (minimum)		x
Filling	680 (minimum)		x
Thread Count/2.54 cm			
Warp	130 (minimum)		x
Filling	90 (minimum)		x
Nr of Ply			
Warp	1 (minimum)		x
Filling	2 (minimum)		x
Nr of Rubber Strands	30 (minimum)	x	
Breaking Strength per strand, kg	2.5 (minimum)	x	
Weight, g/lin, m	70 (maximum)		x
Thickness, mils	100 (minimum)		x
Tensile Strength, kg (full width)	230 (minimum)	x	
End Clips	Stainless Steel	x	
Thickness, mm	0.5 (minimum)	x	
<b>TOTAL TEST POINTS</b>		<b>10</b>	<b>8</b>

  
 AURELIO T. BADAJOS  
 Colonel QMS (GSC) PA  
 Chief

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**BELT, WAIST, GARTERIZED, OD**  
QM SPEC NR IC-21BWG dated 18 October 2012

**LIST OF REQUIRED PROTOTYPE SAMPLES**

**1. FOR POST QUALIFICATION TEST**

PROTOTYPE SAMPLES

RDC – Three (3) pcs Belt, Waist, Garterized, OD

**2. FOR ACCEPTANCE TEST**

Three (3) pcs Belt, Waist, Garterized, OD – Picked at random from  
delivery.

  
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Colonel GSC (QMS) PA  
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**VISUAL INSPECTION CHECKLIST**

DESCRIPTION OF DEFECTS	CLASIFICATION OF DEFECTS
1. Packing and Packaging	
a. Contents of carton label not as specified	Minor
b. Each Belt, Waist, Garterized, OD shall be placed in a re-sealable plastic bag.	Minor
c. Eighty (80) pieces of Belt, Waist, Garterized, OD shall be packed in a corrugated carton.	Major
d. The top cover when closed shall be sealed with a binding tape and finally secured with nylon straps.	Minor
2. Not olive drab in color	Major
3. Loose sewing/Untrimmed thread ends	Minor
4. Presence of dirt, stains and other defects:	
a. Affecting appearance	Major
b. Does not affect appearance	Minor

  
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Chief