

HEADQUARTERS  
PHILIPPINE ARMY  
OFFICE OF THE ARMY QUARTERMASTER  
Fort Andres Bonifacio, Metro Manila

TEST PARAMETER

COMBAT CHEST RIG, PHILARPAT FOR M16/M14

JUN 29 2018

TEST PARAMETERS	QM SPEC NR IE-22CCR dtd 31 March 2016 with Amend 1 dtd 20 April 2018 (Interim)	Classification of Defects	
		Major	Minor
<b>Basic Material</b>	Nylon canvas	X	
Coating	Application with colorless water resistant material on one side	X	
Color	PHILARPAT	X	
Type of Weave	Plain		X
Thread Count/2.54cm			
Warp	30 (minimum)		X
Filling	25 (minimum)		X
Yarn Size (Denier)			
Warp	1,300 (minimum)		X
Filling	1,100 (minimum)		X
Thickness, mm	0.50 (minimum)		X
Weight, g/m <sup>2</sup>	450 (maximum)		X
Breaking Strength, kg			
Warp	320 (minimum)	X	
Filling	270 (minimum)	X	
Water Repellency, %	80 (minimum)	X	
Water Resistance (Grams of water Absorbent by Blotter)	0	X	
Color Quality (Color Difference)	2.5 (maximum)		X
<b>Straps</b>	Nylon or Polyester webbing	X	
Color	Olive Drab	X	
Strap # 1, Belt Waist and Cross Front & Back Shoulder			
Type of Weave	Plain Double		X
Width, cm	5.0 ± 0.5		X
Thickness, mm	0.9 (Minimum)		X
Breaking Strength, kg	950 (Minimum)	X	
Strap # 2, Modular and Reinforcement/Attachment			
Type of Weave	Plain Double		X
Width, cm	2.5 ± 0.5		X
Thickness, mm	0.9 (Minimum)		X
Breaking Strength, kg	450 (minimum)	X	
<b>Binding Tape</b>	Nylon or Polyester	X	
Color	Olive Drab	X	
Type of Weave	Plain Double		X
Width, cm	1.9 ± 0.2		X
Thickness, mm	0.9 (minimum)		X



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		Major	Minor
<b>Shoulder Strap Padding</b>	Soft Rubberize Foam	X	
	Neatly covered with the same basic material	X	
Length, cm	36.0 ± 1.0		X
Width, cm	7.0 ± 0.5		X
Thickness, mm	12.0 ± 1.0		X
<b>Elastic Cord</b>	Nylon, polyester or olefin		X
Color	Olive Drab	X	
Diameter, mm	3.0 ± 0.5		X
Length, cm	46.0 (minimum)		X
<b>Pouches and Flaps</b>	Same basic material as specified in para 2.2.1	X	
Magazine pouch	6 pieces	X	
Height, cm	12.5 ± 0.5		X
Width, cm	7.5 ± 0.5		X
Thickness, mm	4.5 ± 0.5		X
Flap			
Length, cm	21.0 ± 1.0		X
Width, cm	5.8 ± 0.5		X
Utility pouch	2 pieces	X	
Height, cm	8.7 ± 0.5		X
Width, cm	7.4 ± 0.5		X
Thickness, mm	5.2 ± 0.5		X
Flap			
Length, cm	12.5 ± 0.5		X
Width, cm	7.4 ± 0.5		X
Armor Plate Carrier	1 piece		X
Length, cm	34.0 ± 1.0		X
Width, cm	28.0 ± 1.0		X
<b>Plastic Accessories</b>	Made of hard plastic material	X	
Color	Olive Drab	X	
Quick Release Buckle	3 pieces	X	
Length, cm	8.5 ± 0.5		X
Width, cm	6.5 ± 0.5		X
Thickness, mm	15.0 ± 1.0		X
Breaking strength, kg	95 (minimum)	X	
D-Ring	2 pieces	X	
Length, cm	3.5 ± 0.5		X
Width, cm	3.0 ± 0.5		X
Thickness, mm	4.0 ± 0.5		X
Adjustable Buckle	1 piece	X	
Length, cm	6.0 ± 0.5		X
Width, cm	3.7 ± 0.5		X
Thickness, mm	4.0 ± 0.5		X
Slide Keeper (ball)	6 pieces	X	
<b>Metal Accessories</b>	Made of brass	X	
Finish	Black chemical finished	X	
Snap Fastener	2 pcs female and 4 pcs male	X	
Inside/Head Diameter, mm	10.0 ± 0.2		X
Eyelet	8 pieces	X	
Inside Diameter, mm	5.0 ± 0.2		X





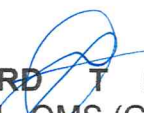
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		Major	Minor
<b>Thread Sewing</b>	Made of polyester or nylon		X
Color	Same color shade as basic material	X	
No. of Ply	2 (minimum)		X
Breaking strength, kg	1.5 (minimum)	X	
<b>Construction</b>			
Shoulder Strap Padding	Shall be constructed with the material as specified in para 2.2.4 and shall be covered with the basic material, as illustrated.	X	
Modular Strap	Each shoulder padding shall have five (5) modular straps (strap #2) sewn along the width of the padding.	X	
Armor Plate Carrier D-Ring Attachment	The 4 <sup>th</sup> modular straps of each shoulder padding shall have a webbing (strap #2) sewn to it, forming a loop on which a D-Ring is inserted.	X	
Cross Front and Back Shoulder Strap	The two (2) pieces cross front and back shoulder strap (strap # 1), 120.0 cm (minimum) in length shall respectively be inserted/fixd to the right and left upper corners of the rig.	X	
	The loose end is provided with plastic buckle (male) as illustrated.	X	
	The (2) pieces webbing (strap #1), 2.2 ± 0.5 cm in length are respectively inserted/fixd at the right and left inner portion of the rig.	X	
Belt Waist Strap	The belt waist strap (strap #1) shall be 67 ± 2 cm long and inserted/fixd to the lower right side of the rig as illustrated.	X	
	The strap is provided with quick release buckle (male) and adjustment.	X	
	Another strap (strap #1), 2.2 ± 0.5 cm in long shall be inserted/fixd to the lower left side of the rig, provided with quick release buckle (female) as illustrated.	X	
Utility Pouches	Two (2) Utility pouches and flap covers shall be made of the two (2) basic materials	X	
	With Velcro tape for closure.	X	
	Provided with one (1) eyelet placed at the bottom of the pouch as illustrated.	X	
Flap	The edge of the flap cover shall be lined with binding tape.	X	
	A handle loop (strap #2), 5.5 ± 0.5 cm in long, shall be sewn/bartacked at the edge of the flap as illustrated.	X	
	One (1) flap shall be provided with Velcro tape (female side) to serve as attachment of name tapes and patches.	X	
Modular Strap	Two (2) modular straps (strap #2) are sewn/bartacked on the back of the pouch.	X	
Quick Release Strap	Two (2) quick release straps (strap #2), 17.5 ± 1.0 cm long, are sewn/bartacked on the back of the pouch as illustrated.	X	
	One end of the quick release buckle strap shall be folded into three.	X	

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Magazine Pouches	The six (6) magazine pouches and flap covers shall be made of the two (2) layers basic material.	X	
	Provided with Velcro tape for closure.	X	
	The Velcro tape (female side), $8.0 \pm 0.5$ cm long shall be sewn to the front of the magazine pouch	X	
	Provided with one (1) eyelet placed at the bottom of the pouch as illustrated.	X	
Flap	A handle loop (strap #2), $2.0 \pm 0.2$ cm in long, shall be sewn at the edge of the flap.	X	
	The Velcro tape (male side), $15.0 \pm 0.5$ cm shall be sewn to the inner of the flap as illustrated.	X	
Modular Strap	Two (2) modular straps (strap #2) are sewn/bartacked on the bottom back of the pouch	X	
Quick Release Strap	Two (2) quick release straps (strap #2), $25.0 \pm 1.0$ cm long, are sewn/bartacked on the back of the pouch as illustrated.	X	
	One end of the quick release buckle strap shall be folded into three.	X	
Elastic Cord	Two (2) straps (strap #2), $2.0 \pm 0.2$ cm long are sewn on both sides of each magazine pouch, just below the top modular strap as illustrated.	X	
	An elastic cord is loop through the two (2) straps to serve as adjustment of the pouch as illustrated. The ends of the elastic cord are held in place using a slide keeper as illustrated.	X	
Armor Plate Carrier	The armor plate carrier, flap cover and waist part of the rig shall be made of two (2) layers basic material.	X	
	Provided with Velcro tape for closure.	X	
Flap	The flap shall have a height of $5.2 \pm 0.2$ cm.		X
	The Velcro tape (male side) shall be $2.7 \pm 0.2$ cm wide and the Velcro tape (female side) shall be $5.2 \pm 0.2$ cm wide as illustrated.	X	
Modular Strap	The upper part of the carrier shall have two (2) modular straps (strap #2), each divided into six (6) loops by placing bartacks on the straps as illustrated.	X	
Modular Strap	The lower part of the carrier shall have three (3) modular straps (strap #2), each divided into fourteen (14) loops by placing bartacks on the straps as illustrated.	X	
Webbing Attachment to Shoulder Strap	Two (2) pieces webbing (strap #2), $14.5 \pm 0.5$ cm long shall be inserted/fixd respectively at the right and left top part of the plate carrier.	X	
	Each having a three (3) snap fastener (1 female and 2 male) and Velcro tape ( $10.0 \pm 0.5$ cm long) for closure.	X	
Bottom Reinforcement Strap	There shall be $5.0 \pm 0.5$ cm wide webbing sewn inside the armor plate carrier to serve as reinforcement for the bottom part of the carrier.	X	
Design	The Combat Chest Rig, PHILARPAT shall be of the design essentially the same as shown in the attached illustrations.	X	
Manufacturer's Label	Shall have manufacturer's label	X	
Location	Printed on the upper center of the back of the reverse side of the carrier plate, as illustrated.		X

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Type and Size of Lettering	Black indelible ink or black waterproof paint in Arial font, size 12.		X
Contents of Label	COMBAT CHEST RIG, PHILARPAT QM SPEC NR IE – 22CCR Name of Manufacturer Date of Manufacture:		X
Army Marking	With Army marking	X	
Location	Printed on the center front of the plate carrier pouch, as illustrated, 3.0 ± 0.2 cm below the modular strap.		X
Type and Size of Lettering	Black indelible ink or black waterproof paint, Stencil font, Size 150.		X
<b>TOTAL TEST POINTS</b>		<b>74</b>	<b>53</b>

  
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