



COMPANY HANDBOOK

A new era of parachuting in INDONESIA...



WELCOME TO
OUR COMPANY

2024

NATO Commercial And Government Entity Number: 1370Z



LANGIT BIRU PARASUT

OFFICE & FACTORY : Jalan Cilampeni No.10 - Kopo, Bandung, West Java, Indonesia
Contact Us: +62 812-8208-2718 | E-mail: ptlbpindonesia@gmail.com



PT LANGIT BIRU PARASUT IS THE RIGHT CHOICE OF THE NEW ERA MILITARY PARACHUTING

A new era of parachuting in Indonesia...

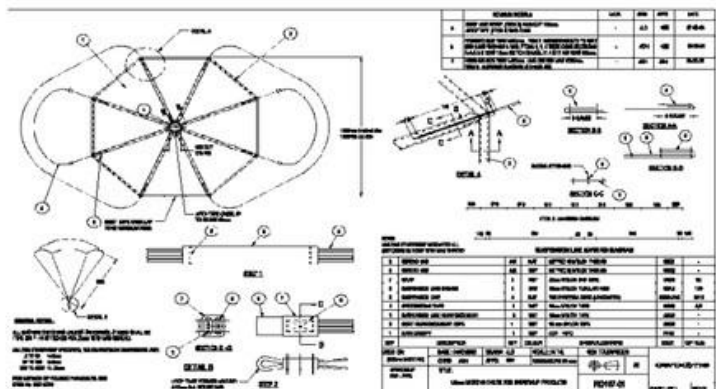


PT LANGIT BIRU PARASUT was established in October 2009 after extensive market research conducted by the Local and International Expertisers who co-operative with herself. The mission of the company is to make Indonesia self-sufficient for all its parachute requirements.

-----This means the Indonesian Armed Forces will not have to rely on overseas countries for the supply of its strategic parachute requirements-----

In particular the company will be able to provide a wide range of parachute equipment which will satisfy the needs of the Indonesian Armed Forces. There is no company in Indonesia which has access to the wide range of products that PT Langit Biru Parasut will be manufacturing in Indonesia and supplying to the Armed Forces.

PT Langit Biru Parasut is supported by full technology transfer and technical and management expertise from Local and International. PT Langit Biru Parasut will also over time have its own design department, and research and development capabilities. In addition, engineers and technicians from Local and International Expertisers have already spent many hours on training personnel in Bandung.



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The range of products to be supplied is:

- ▷ Personnel Static Line Parachute Assemblies,
- ▷ Steerable
- ▷ Non-Steerable
- ▷ Compatible Reserve Assemblies
- ▷ High Accuracy Tactical Free Fall Parachute Systems
- ▷ Static line
- ▷ HAHO and HALO Operations
- ▷ Freefall
- ▷ Accuracy Parachute Systems
- ▷ Cargo Aerial Delivery Parachutes
- ▷ Retardation parachutes for munitions
- ▷ Special End Use Parachutes e.g. Aircraft Retardation, UAV recovery, etc.
- ▷ Sport Parachute Systems for training, competitions and recreational use.



The Bandung facility above

Research & Development in Indonesia

Product and concept research and development will be available at the factory in Bandung for the specific requirements of TNI.

Testing and qualification

Testing and qualification of new products to suit customer requirements

The Mission Statement of the company can be summarised as follows:

- ▷ To be a long term supplier of Parachute Systems and Deceleration Solutions to Indonesia Armed Forces through dedicated representatives skilled in specific areas.
- ▷ To develop the manufacturing facility in Bandung, Indonesia with a structured transfer of technology to make Indonesia self sufficient for all its parachute requirements.
- ▷ To be a strategic partner in new research and development programs for Indonesia Armed Forces parachute requirements
- ▷ Customization of parachute products to suit Indonesian requirements
- ▷ Provide logistical support systems and the best customer support program according to Indonesian requirements



LANGIT BIRU PARASUT

FACTORY: FACTORY: PT Langit Biru Parasut, Jl. Raya Bandung, No. 11, Bandung, Jawa Barat, Indonesia. Phone: +62 22 58914578.
Contact Us: +62 812-8208-2718 | E-mail: ptlbpindonesia@gmail.com



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PT Langit Biru Parasut has invested a significant amount of money on technology payments as well as establishing infrastructure in Bandung over a period of one year. The Company has established a factory of 2000 sqm in Bandung and this factory is currently in operation. The planned capacity of this facility over time will be 2000 units of various different parachute products per year.

PT Langit Biru Parasut is a fully Indonesian owned company.

The benefits of local manufacture for Indonesia are:

Establishing a parachute manufacturing facility in Indonesia with the objective of eventually supplying all the parachute needs of the Indonesian Armed Forces has the following benefits:

- ▷ This will make Indonesia self-sufficient for all its parachute requirements and take away reliance on foreign suppliers.
- ▷ Providing employment in the Indonesian economy
- ▷ Saving of foreign exchange
- ▷ Access by the armed forces to a design facility in Indonesia, in order to customize parachute systems to exactly meet the needs of the Armed Forces.
- ▷ Access to latest state of the art Technology.
- ▷ Design of brand new concepts for military application.
- ▷ Industry created which can export parachutes to other countries and earn foreign revenue for Indonesia.
- ▷ Increased support for secondary industry in Indonesia such as fabric manufacturers, hardware components, line manufacturers etc.



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OFFICE & FACTORY: Jalan Cilampeni No.10, Kopo, Bandung, West Java, Indonesia.
FACTORY: Jln. Ciampeni No.10, Ropo, Bandung. TEL/FAX: +62 22 5891478.
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KEY PERSONS OF PT LANGIT BIRU PARASUT



**Air Vice Marshal TNI (Ret.) Eris Widodo Y.,
S.E., M.Tr.**
Chairman



Ms. Aprinovita, S.E.
President Director



Lieutenant General TNI (Ret.) M. Yusuf Kartanegara
Senior Advisor



Major General TNI (Ret.) Jan Pieter Ate, M.Bus, M.A.
Senior Advisor



Mr. Mecky Pangerapan
Production Director



Mr. Nurwanto Sri Purnomo
Technical & Rigger



Mr. Rusli Afud Emun
Inspector Quality & Safety



Our Staff Production

LANGIT BIRU PARASUT



FACTORY : Jln. Cilampeni No. 10 - Kopo, Bandung. TELEFAX : +62-22-5891478.
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PT LANGIT BIRU PARASUT PERKASA

LEGAL STANDING DOCUMENTS

1. Acta of Registration of PT Langit Biru Parasut Perkasa

- a. Number of Registration Company Acta : 16
- b. Date of Issued : 17 September 2009
- c. Name of Notariat : Dra. Siti Mariam Danoerahadja, S.H.
- d. Number of Approval by : No. AHU – 0076843.AH.01.09.Tahun 2009
Menkumham/date of approval : 18 November 2009

2. First Renewal

- a. Number of Akta : 04
- b. Date of Issued : 26 February 2014
- c. Name of Notariat : Dra. Siti Mariam Danoerahadja, S.H.
- d. Number of Approval by : No. AHU – 0021446.AH.01 09.Tahun 2014
Menkumham/date of approval : 12 March 2014

3. Last Renewal

- a. Number of Akta : 19
- b. Date of Issued : 18 February 2020
- c. Name of Notariat : Yohana Menggala, S.H.
- d. Number of Approval by : No. AHU – 0040481.AH.01 11.Tahun 2020
Menkumham/date of approval : 28 February 2020

Company Registration No.

| | |
|--|-------------------------------|
| NIB (business permit) : 0220200330139 | Date of Issued: 03 March 2020 |
| Permit of Pty Ltd : 0220200330139 | Date of Issued: 03 March 2020 |
| Permit of Supply : 0220200330139 | Date of Issued: 03 March 2020 |
| Tax Number : 21.123.649.2-445.000 | |
| Tax Payer Registration : PEM-0009644ER/WPJ.09/KP.1303/2009 | |
| Tax Approval : S-223PKP/WPJ.09/KP.1303/2016 | |

Institution Approval : Pemerintah Republik Indonesia / Kabupaten Bandung

CERTIFICATES:

- 1. CERTIFICATE OF REGISTRATION DEFENCE INDUSTRY : SP/73/VIII/DJPOT
CERTIFICATE OF PRODUCTION : S1 PROD 74/VIII/2020/DJPOT
- 2. TEST CERTIFICATE: Dislitbang AD 2011, Dislitbang AU 2012-2019
IMAA (Indonesia Military Airworthiness Authority)
 - MILITARY TROOPER STATIC PARACHUTE
 - MILITARY TROOPER FREEFALL & SPORT PARACHUTE
 - CARGO PARACHUTE
 - RECOVERY PARACHUTE
 - RESCUE PARACHUTE
 - ILLUMINATION AND FLAME PARACHUTES
 - DRAGCHUTE AND BOMB CARRIERS PARACHUTES
 - AIRTEP
 - ACCESSORIES OF MILITARY PARACHUTING

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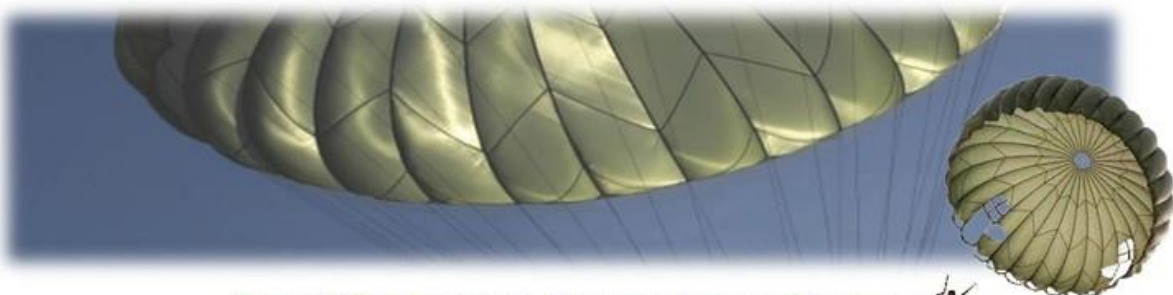
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TROOP BACK PARACHUTE ASSEMBLY : MC1-1B

| | | |
|-------------------|----------------------------|-------------------|
| ASSEMBLY | NATIONAL STOCK NUMBER | 1670 005980751 |
| | PART NO | 11-1-900-1 |
| | COLOR | OLIVE GREEN |
| COMPONENTS | CANOPY | 11-1-1501-1 |
| | RISER | 11-1-2149-1 |
| | PACK | 62J4342 |
| | DEPLOYMENT BAG/STATIC LINE | 55D6276 / 55D6481 |
| | HARNESS | 11-1-2143-1 |

| SPECIFICATION | |
|----------------------------|-------------------------------------|
| Suspended Load | 300 LBS |
| Weight(APP) | 31 LBS |
| Max.Deployment(A/C SPEED) | 150 KNOTS |
| Min. Jump Height | 500 FT |
| Deployment Time | 2.8 sec |
| Decent Rate | 5.5 m/sec |
| Forward Rate | 3.8 m/sec |
| Rate of Turn | 360 0 in 8.8 sec |
| Shape | PARABOLIC |
| canopy Diameter | 35 Ft.(Nominal) 24.5 Ft. (Skirt) |
| Canopy Gores | 30 |
| Suspension Line - SPEC | PIA-C-5040-T/2 |
| Panels Per Gore | 5 |
| Radial Tapes | 30 |
| Vent Lines | 15 |
| Suspension Lines | 30 |
| Length of Suspension Line | 25.5 ft(7.77m) |
| Steering Lines | 2 |
| Steering Orifice | 11 "TU" Type |
| Pocket Bands | 15 |
| Canopy Material | 1.1 oz.Ripstop Nylon |



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TROOP BACK PARACHUTE ASSEMBLY : MC1-1C

| | | |
|-------------------|--|-------------------|
| ASSEMBLY | NATIONAL STOCK NUMBER | 1670 002622359 |
| | PART NO | 11-1-900-2 |
| | COLOR | OLIVE GREEN |
| COMPONENTS | CANOPY | 11-1-1501-3 |
| | RISER | 11-1-2149-1 |
| | PACK | 1670 002622359 |
| | DEPLOYMENT BAG/STATIC LINE | 55D6276 / 55D6481 |
| | 15' unversal static line & 5' extraction static line | |
| | HARNESS | 11-1-2143-1 |

| SPECIFICATION | |
|----------------------------|-------------------------------------|
| Suspended Load | 300 LBS |
| Weight(APP) | 31 LBS |
| Max.Deployment(A/C SPEED) | 150 KNOTS |
| Min. Jump Height | 500 FT |
| Deployment Time | 2.8 sec |
| Decent Rate | 4.5 m/sec |
| Forward Rate | 3.8 m/sec |
| Rate of Turn | 360 0 in 7.7 sec |
| Shape | PARABOLIC |
| canopy Diameter | 35 Ft.(Nominal) 24.5 Ft. (Skirt) |
| Canopy Gores | 30 |
| Suspension Line - SPEC | PIA-C-5040-T/2 |
| Panels Per Gore | 5 |
| Radial Tapes | 30 |
| Vent Lines | 15 |
| Suspension Lines | 30 |
| Length of Suspension Line | 22 ft(6.7m) |
| Steering Lines | 2 |
| Steering Orifice | 11 "TU" Type |
| Pocket Bands | 15 |
| Canopy Material | 1.17 oz.Ripstop Nylon Low0-5 cfm |



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TROOP BACK PARACHUTE ASSEMBLY : MC1-1D

| | | |
|-------------------|--|---------------------------|
| ASSEMBLY | NATIONAL STOCK NUMBER | 1670 014870777 |
| | PART NO | 11-1-900-3 |
| | COLOR | OLIVE GREEN |
| COMPONENTS | CANOPY | 11-1-1501-3 |
| | RISER | 11-1-2149-1 |
| | PACK | 1670 014870777 |
| | DEPLOYMENT BAG | 11-1-6994-1 / 11-1-6993-1 |
| | | 11-1-6993-2 / 11-1-6993 |
| | 15' unversal static line & 5' extraction static line | |
| HARNESS | 11-1-2143-1 | |

| SPECIFICATION | |
|----------------------------|-------------------------------------|
| Suspended Load | 300 LBS |
| Weight(APP) | 31 LBS |
| Max.Deployment(A/C SPEED) | 150 KNOTS |
| Min. Jump Height | 500 FT |
| Deployment Time | 2.8 sec |
| Decent Rate | 4.5 m/sec |
| Forward Rate | 3.8 m/sec |
| Rate of Turn | 360 0 in 7.7 sec |
| Shape | PARABOLIC |
| canopy Diameter | 35 Ft.(Nominal) 24.5 Ft. (Skirt) |
| Canopy Gores | 30 |
| Suspension Line-SPEC | PIA-C-5040-T/2 |
| Panels Per Gore | 5 |
| Radial Tapes | 30 |
| Vent Lines | 15 |
| Suspension Lines | 30 |
| Length of Suspension Line | 22 ft(6.7m) |
| Steering Lines | 2 |
| Steering Orifice | 11 "TU" Type |
| Pocket Bands | 15 |
| Canopy Material | 1.17 oz.Ripstop Nylon Low0-5 cfm |



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TROOP BACK PARACHUTE ASSEMBLY : MC1-1E

| | | |
|-------------------|--|---------------------------|
| ASSEMBLY | NATIONAL STOCK NUMBER | 1670 014996573 |
| | PART NO | 11-1-900-4 |
| | COLOR | OLIVE GREEN |
| COMPONENTS | CANOPY | 11-1-1501-1 |
| | RISER | 11-1-2149-1 |
| | PACK | 1670 014996573 |
| | DEPLOYMENT BAG | 11-1-6994-1 / 11-1-6993-1 |
| | | 11-1-6993-2 / 11-1-6993 |
| | 15' unversal static line & 5' extraction static line | |
| | HARNESS | 11-1-2143-1 |

| SPECIFICATION | |
|----------------------------|-------------------------------------|
| Suspended Load | 300 LBS |
| Weight(APP) | 31 LBS |
| Max.Deployment(A/C SPEED) | 150 KNOTS |
| Min. Jump Height | 500 FT |
| Deployment Time | 2.8 sec |
| Decent Rate | 5.5 m/sec |
| Forward Rate | 3.8 m/sec |
| Rate of Turn | 360 0 in 7.7 sec |
| Shape | PARABOLIC |
| canopy Diameter | 35 Ft.(Nominal) 24.5 Ft. (Skirt) |
| Canopy Gores | 30 |
| Suspension Line-SPEC | PIA-C-5040-T/2 |
| Panels Per Gore | 5 |
| Radial Tapes | 30 |
| Vent Lines | 15 |
| Suspension Lines | 30 |
| Length of Suspension Line | 25.5 ft(7.7m) |
| Steering Lines | 2 |
| Steering Orifice | 11 "TU" Type |
| Pocket Bands | 15 |
| Canopy Material | 1.1 oz.Ripstop Nylon |



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Maneuverable Army Troop Parachute (MC-6)

| SPECIFICATION | |
|------------------------------------|---|
| Parachute Weight | 28 lbs |
| Payload Capacity | 400 lbs |
| Descent Rate | 4 m/s |
| Forward Speed | 4.9 m/s |
| 360° Turning Speed | 5 seconds |
| Aircraft Speed | 150 KIAS |
| Minimum Deployment Altitude | 500 feet |
| Storage Life | 16 years |
| Number of Jump | Unlimited |
| Service Life | 12.5 years |
| Number of Panel | 4 per gore |
| Number of Ventilation Hole | 2 extended gores; 2 brake slots, 6 frontal slots |
| Number of Control Line/Toggle Line | 02 each |
| Area of Canopy | 32 foot diameter |
| Shape | Polyconical |
| Colour | Green |
| Anti-Inversion Net | Yes |



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FACTORY, Jalan Cihampel No. 10, Ropis, Bandung, West Java, Indonesia

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TROOP BACK PARACHUTE ASSEMBLY (NON STEERABLE) : T-10

| | | |
|-------------------|----------------------------|-------------------|
| ASSEMBLY | NATIONAL STOCK NUMBER | |
| | PART NO | 11-1-564 |
| | COLOR | OLIVE GREEN |
| COMPONENTS | CANOPY | 11-1-1501 |
| | RISER | 11-1-2149-1 |
| | MAIN PACK | 62J4342 |
| | DEPLOYMENT BAG/STATIC LINE | 56D6276 / 55D6481 |
| | HARNESS | 11-1-2143-1 |

| T-10 Series Characteristics | |
|--|---|
| Shape | Parabolic |
| Diameter (nominal) | 35 feet (10.7m) |
| Inflated Diameter | 25.7 feet (7.8m) |
| Gore Material | 1.1 oz. PIA-C-7020, type I ripstop nylon parachute cloth |
| Vent Line Material | Type II nylon cord, PIA-C-5040 400lb (181.8kg) tensile strength |
| Number of Suspension Lines | 30 |
| Suspension Line Material | Type II nylon cord, PIA-C-5040 400 lb (181.8 kg) tensile strength |
| Length of Suspension Line (connector link to lower lateral band) | 25 ft. 6 in. (7.8m) |
| Maximum Weight Capacity | 360 lbs (163 kg) |
| Complete Assembly Weight | 31 lbs (14 kg) |
| Steerable | No |
| Maximum Jump Wind Speed | 15 mph (6.7 m/s) |
| Descent Rate | Avg. 22 ft/sec (6.7 m/s) |
| Minimum Deployment Altitude | 500 ft (152m) |
| Maximum Deployment Speed | 173 mph (150 knots) |
| Age Life | 16.5 years |
| Service Life | 12 years |



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TROOP BACK PARACHUTE ASSEMBLY (NON STEERABLE) : T-10B

| | | |
|-------------------|----------------------------|-------------------|
| ASSEMBLY | NATIONAL STOCK NUMBER | 1670 005910720 |
| | PART NO | 11-1-564 |
| | COLOR | OLIVE GREEN |
| COMPONENTS | CANOPY | 11-1-1501 |
| | RISER | 11-1-2149-1 |
| | PACK | 62J4342 |
| | DEPLOYMENT BAG/STATIC LINE | 56D6276 / 55D6481 |
| | HARNESS | 11-1-2143-1 |

| SPECIFICATION | |
|----------------------------|-------------------------------------|
| Suspended Load | 300 LBS |
| Weight(APP) | 31 LBS |
| Max.Deployment(A/C SPEED) | 150 KNOTS |
| Min. Jump Height | 500 FT |
| Deployment Time | 2.8 sec |
| Decent Rate | 6.7 m/sec |
| Forward Rate | 3.8 m/sec |
| Rate of Turn | 360 0 in 7.7 sec |
| Shape | PARABOLIC |
| canopy Diameter | 35 Ft.(Nominal) 24.5 Ft. (Skirt) |
| Canopy Gores | 30 |
| Suspension Line-SPEC | PIA-C-5040-T/2 |
| Panels Per Gore | 5 |
| Radial Tapes | 30 |
| Vent Lines | 15 |
| Suspension Lines | 30 |
| Length of Suspension Line | 25.5 ft(7.77m) |
| Steering Lines | NO |
| Steering Orifice | NO |
| Pocket Bands | 15 |
| Canopy Material | 1.1 oz.Ripstop Nylon |



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TROOP BACK PARACHUTE ASSEMBLY (NON STEERABLE) : T-10C

| | | |
|-------------------|----------------------------|-------------------|
| ASSEMBLY | NATIONAL STOCK NUMBER | 1670 012489502 |
| | PART NO | 11-1-564-2 |
| | COLOR | OLIVE GREEN |
| COMPONENTS | CANOPY | 11-1-1501-2 |
| | RISER | 11-1-2149-1-1 |
| | PACK | 62J4342 |
| | DEPLOYMENT BAG/STATIC LINE | 56D6276 / 55D6481 |
| | HARNESS | 11-1-2143-1 |

| SPECIFICATION | |
|----------------------------|-------------------------------------|
| Suspended Load | 300 LBS |
| Weight(APP) | 31 LBS |
| Max.Deployment(A/C SPEED) | 150 KNOTS |
| Min. Jump Height | 500 FT |
| Deployment Time | 2.8 sec |
| Decent Rate | 6.7 m/sec |
| Forward Rate | 3.8 m/sec |
| Rate of Turn | 360 0 in 7.7 sec |
| Shape | PARABOLIC |
| canopy Diameter | 35 Ft.(Nominal) 24.5 Ft. (Skirt) |
| Canopy Gores | 30 |
| Suspension Line-SPEC | PIA-C-5040-T/2 |
| Panels Per Gore | 5 |
| Radial Tapes | 30 |
| Vent Lines | 15 |
| Suspension Lines | 30 |
| Length of Suspension Line | 25.5 ft(7.77m) |
| Steering Lines | NO |
| Steering Orifice | NO |
| Pocket Bands | 15 |
| Canopy Material | 1.17 oz.Ripstop Nylon Low0-5 cfm |



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TROOP BACK PARACHUTE ASSEMBLY (NON STEERABLE) : T-10D

| | | |
|-------------------|--|--|
| ASSEMBLY | NATIONAL STOCK NUMBER | 1670 014842234 |
| | PART NO | 11-1-564-4 |
| | COLOR | OLIVE GREEN |
| COMPONENTS | CANOPY | 11-1-1501-2 |
| | RISER | 11-1-2149-1 |
| | PACK | 62J4342 |
| | DEPLOYMENT BAG | 11-1-6994-1 / 11-1-6993-1 11-1-6993-2 / 11-1-6993 |
| | 15' unversal static line & 5' extraction static line | |
| | HARNES | 11-1-2143-1 |

| SPECIFICATION | |
|----------------------------|-------------------------------------|
| Suspended Load | 300 LBS |
| Weight(APP) | 31 LBS |
| Max.Deployment(A/C SPEED) | 150 KNOTS |
| Min. Jump Height | 500 FT |
| Deployment Time | 2.8 sec |
| Decent Rate | 5.5 m/sec |
| Forward Rate | 3.8 m/sec |
| Rate of Turn | 360 0 in 8.0 sec |
| Shape | PARABOLIC |
| canopy Diameter | 35 Ft.(Nominal) 24.5 Ft. (Skirt) |
| Canopy Gores | 30 |
| Suspension Line-SPEC | PIA-C-5040-T/2 |
| Panels Per Gore | 5 |
| Radial Tapes | 30 |
| Vent Lines | 15 |
| Suspension Lines | 30 |
| Length of Suspension Line | 25.5 ft(7.7m) |
| Steering Lines | X |
| Steering Orifice | X |
| Pocket Bands | 15 |
| Canopy Material | 1.17 oz.Ripstop Nylon Low0-5 cfm |



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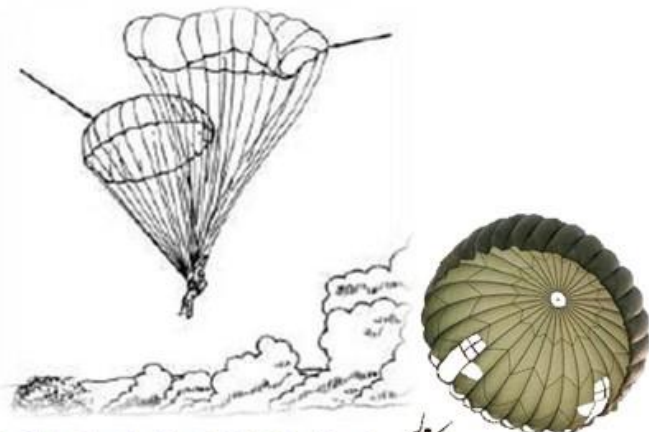
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PERSONNAL RESERVE PARACHUTE : T-10R

| | | |
|-------------------|-----------------------|------------------------|
| ASSEMBLY | NATIONAL STOCK NUMBER | 1670 005980751 |
| | | 1670 008914218 |
| | PART NO | 62C4317-1 / 62C4317-10 |
| | COLOR | WHITE - OLIVE GREEN |
| COMPONENTS | CANOPY | 48J7156-2 / -3 |
| | CHEST PACK | 62J4346 |
| | PILOT CHUTE | 49J7161-1 / -2 |

| SPECIFICATION | |
|----------------------------|----------------------|
| Suspended Load | 300 LBS |
| Weight(APP) | 12 LBS |
| Max.Deployment(A/C SPEED) | 150 KNOTS |
| Min. Jump Height | 300 FT |
| Deployment Time | 3.3 sec |
| Decent Rate | 6.5 m/sec |
| Shape | Flat Circular |
| Canopy Diameter | 24 Ft.(Nominal) |
| Canopy Gores | 24 |
| Suspension Line-SPEC | PIA-C-5040-T/3 |
| Panels Per Gore | 4 |
| Vent Lines | 12 |
| Suspension Lines | 30 |
| Length of Suspension Line | 20.5 ft |
| Steering Lines | x |
| Steering Orifice | x |
| Pocket Bands | 24 |
| Canopy Material | 1.1 oz.Ripstop Nylon |
| | |
| | |



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LANGIT BIRU PARASUT

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PERSONNAL RESERVE PARACHUTE (T-10R MIRPS-SLCP)

| | | |
|-------------------|-----------------------|--------------------|
| ASSEMBLY | NATIONAL STOCK NUMBER | 1670-01-420-4256 |
| | PART NO | 782027/11-1-4012-2 |
| | COLOR | Foliage Green |
| COMPONENTS | CANOPY | PIA-C-7020 Type 1 |
| | SUSPENSION LINE | PIA-C-5040 Type II |

| SPECIFICATION | |
|----------------------------------|--------------------|
| Nominal Diameter | 7 m (24 ft) |
| Number of Gores | 24 |
| Suspension Line Length | 6 m (20 ft) |
| Suspension Line Tensile Strength | 240 kg (525 lbs) |
| Assembled Weight | 5,5 kg (12 LB) |
| Maximum Exit Weight | 136 kg (300 LB) |
| Maximm Exit Velocity | 241 km/h (130 KTS) |
| Rate of Descent at 90 kg AUW | 6,7 m/s (22 F/S) |



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LBP-4 RAM AIR FREE-FALL

| LBP-4 SPECIFICATION | |
|--------------------------------|-----------------------------------|
| L/D | 3 to 1 |
| Span | 28.5 Ft |
| Chord | 13.0 Ft |
| Area | 370 Sq. Ft |
| Max. suspended weight | 360 Lbs. |
| Forward speed | 15-25 MPH |
| Rate of descent | |
| Full Flight | 14-18 FPS with brakes |
| 50% Brakes | 6 to 10 fps |
| 100% Brakes | 2 to 6 fps |
| Fully Flared Landing Touchdown | 0 to 4 fps (if executed prpperly) |
| Deployment Altitude | 200 ft AGL to 25,000 ft MSL |
| Canopy cloth | Mil-C-44378 0-5 CFM |
| Suspension lines | Braided polyester |
| Maximum altitude | 30,000 ft |
| Minimum | 2000 Ft |
| Deployment Velocity Range | 150 KIAS |



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FACTORY: Jl. Ciampora No. 10, Ropu, Bandung. TEL/FAX: +62 22 3651478
Contact Us: +62 812-8208-2718 | E-mail: ptlbpindonesia@gmail.com



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CAMAR MILITARY FREEFALL

| CAMAR MILITARY SPECIFICATION | |
|-------------------------------------|-----------------------------|
| L/D | 4.2 to 1 |
| Span | 24.7 Ft (7.5m) |
| Chord | 11.3 Ft (3.4m) |
| Area | 290 Sq.Ft |
| Max. suspended weight | 350 lbs |
| Forward speed | 15-25 mph |
| Rate of descent | |
| Full Flight | 14-20 FPS |
| 50% Brakes | 9-15 FPS |
| 100% Brakes | 3-4 FPS |
| Canopy Material | NYLON RIPSTOP |
| Suspension Lines | Polyester Braided |
| Altitude Range | 2000 Ft. AGL – 25.000Ft MSL |
| Max. Deployment Velocity | 150 KIAS |
| Reliability (Approx) | 0.999 to 99.5% |



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FACTORY: Jln. Ciampora No. 10, Ropu, Bandung. TEL/FAX: +62 22 9891778

Contact Us: +62 812-8208-2718 | E-mail: ptlbpindonesia@gmail.com



LANGIT BIRU PARASUT

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Military Emergency Parachute BA-22

| | | |
|--------------------|---------------------|------------------|
| PART NUMBER | Complete Set | 50C7024 -22 |
| | Nato Stock Number | 1670-00-940-0787 |
| | Pilot Chute | 53J7205 |
| | Canopy Assembly | 50E6877-3 |
| | Harnes & Countainer | 65K1533 - 101 |
| | Riser | 64D2162 |
| | Deployment Bag | 5776021 |
| | Bridle Line | 58D6353 |
| | Cushion | 53D6353 |
| | Disc Assembly | 53B7106 |
| | Ripcord Assembly | 51B7751 |

| SPECIFICATION | |
|--|---------------------|
| Canopy Shape | Flat Sircular – C-9 |
| Canopy Diameter (ft) | 28, Nominal |
| Number of Gores | 28 |
| Canopy Material | PIA-C- 7020 Type1 |
| Suspension Lines | PIA-C-5040 |
| Suspension Line Lenght | Type III |
| Suspension Line tensile Strenght (Lbs) | 22 Ft, 10 IN |
| Rate Of Descent (FPS) | 550 |
| Assembled Weight | 18 - 20 |



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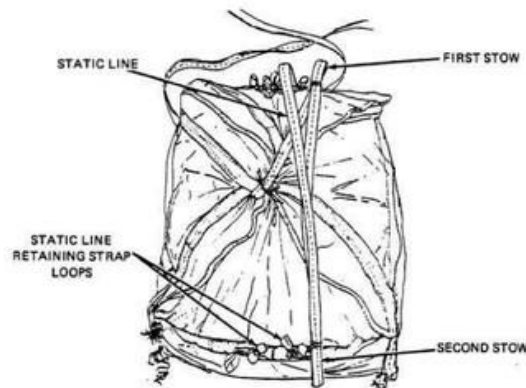


LANGIT BIRU PARASUT

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CARGO PARACHUTE : G-1A [24 Ft]

| SPECIFICATION | | |
|-------------------|--------------------------|------------------|
| ASSEMBLY | NATIONAL STOCK NUMBER | 1670 002422530 |
| | PART NO | 51C6163-1 |
| | MAX SUSPENDED LOAD | 300 LBS (136 KG) |
| | WEIGHT | 19 LBS |
| | PARACHUTE TYPE | SOLID |
| PART NO | CANOPY | 42J3968-1 |
| | D-BAG | 51K6164 |
| | STATIC LINE | 51C6166 |
| | | |
| COMPONENTS | CANOPY-SHAPE | FLAT CIRCULAR |
| | DIAMETER | 24FT - 7.3M |
| | GORE | 24 |
| | SECTION / GORE | 1 |
| | MATERIAL-CANOPY | MIL-C-7350-T/1 |
| | MATERIAL-SUSPENSION LINE | MIL-C-7515-T/4 |



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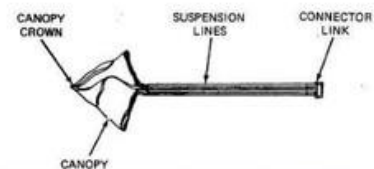
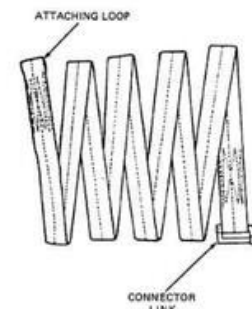
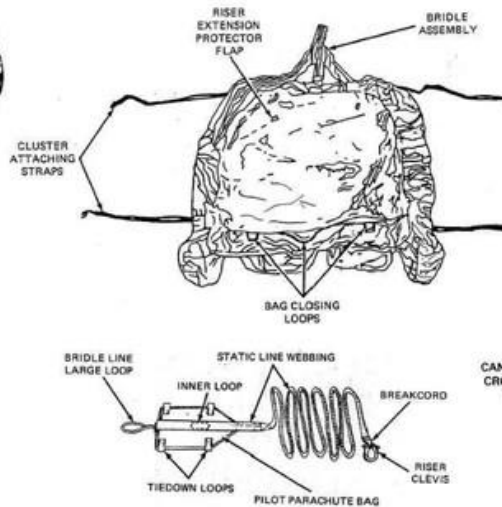


LANGIT BIRU PARASUT

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CARGO PARACHUTE : G-12D [64 Ft]

| SPECIFICATION | | |
|-------------------|--------------------------|-------------------|
| ASSEMBLY | NATIONAL STOCK NUMBER | 1670 008932371 |
| | PART NO | 55A6045 |
| | MAX SUSPENDED LOAD | 2200 LBS (998 KG) |
| | WEIGHT | 125 LBS (57 KG) |
| | PARACHUTE TYPE | SOLID |
| PART NO | CANOPY | 48K6076 |
| | D-BAG | 58J6100 |
| | STATIC LINE | 59J6171 |
| | RISER | 51D6183 |
| | PILOT CHUTE | 53E6803 |
| | CENTER LINE | X |
| COMPONENTS | CANOPY-SHAPE | FLAT CIRCULAR |
| | DIAMETER | 64FT-19.5M |
| | GORE | 64 |
| | SECTION / GORE | 8 |
| | MATERIAL-CANOPY | MIL-C-7350-T/1 |
| | MATERIAL-SUSPENSION LINE | MIL-C-7515-T/4 |



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 FACTORY : Jln. Ciampen No. 10, Kopo, Bandung. TELEFAX : +62-22-5891478.
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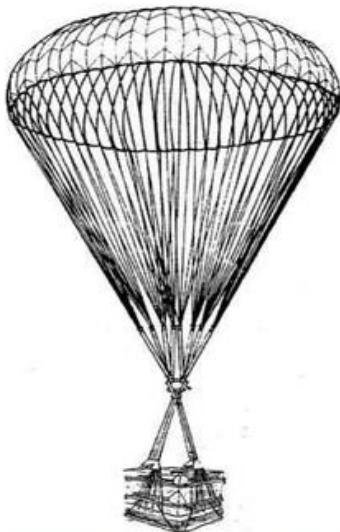


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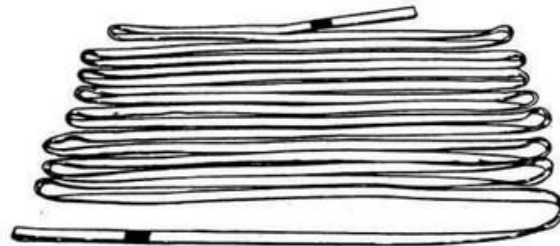
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CARGO PARACHUTE : G-12E [64 Ft]

| SPECIFICATION | | |
|---------------|--------------------------|-------------------|
| ASSEMBLY | NATIONAL STOCK NUMBER | 1670 010653755 |
| | PART NO | 11-1-2620 |
| | MAX SUSPENDED LOAD | 2200 LBS (998 KG) |
| | WEIGHT | 125 LBS (57 KG) |
| | PARACHUTE TYPE | SOLID |
| PART NO | CANOPY | 48K6076 |
| | D-BAG | 58J6100 |
| | STATIC LINE | 59J6171 |
| | RISER | 51D6183 |
| | PILOT CHUTE | 53E6803 |
| | CENTER LINE | 57 FT |
| COMPONENTS | CANOPY-SHAPE | FLAT CIRCULAR |
| | DIAMETER | 64FT-19.5M |
| | GORE | 64 |
| | SECTION / GORE | 8 |
| | MATERIAL-CANOPY | MIL-C-7350-T/1 |
| | MATERIAL-SUSPENSION LINE | MIL-C-7515-T/4 |



| MODEL | DIFFERENCE |
|-------|--|
| G-12D | No centerline. |
| G-12E | Uses 57-foot centerline to pull down canopy vent |



57-Foot Centerline (Model G- 12E only).



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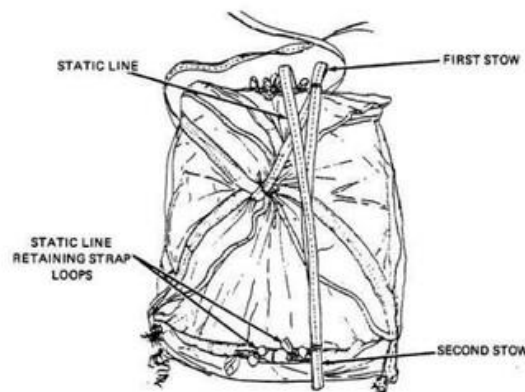


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CARGO PARACHUTE : G-13A [34 Ft]

| SPECIFICATION | | |
|-------------------|--------------------------|------------------|
| ASSEMBLY | NATIONAL STOCK NUMBER | 1670 009843535 |
| | PART NO | 51B7280 |
| | MAX SUSPENDED LOAD | 500 LBS (227 KG) |
| | WEIGHT | 37.5 LBS |
| | PARACHUTE TYPE | SOLID |
| PART NO | CANOPY | 51J7069 |
| | D-BAG | 51D6553 |
| | STATIC LINE | 11-1-219 |
| | DRAGUE | 61D2459 |
| COMPONENTS | CANOPY-SHAPE | PARA BOLIC |
| | DIAMETER | 32.5FT - 9.9M |
| | GORE | 20 |
| | SECTION / GORE | 5 |
| | MATERIAL-CANOPY | MIL-C-7350-T/1 |
| | MATERIAL-SUSPENSION LINE | MIL-C-7515-T/4 |



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 FACTORY : Jln. Ciampeni No. 20 Kopo, Bandung, TLEPAX : 62 22 589 778

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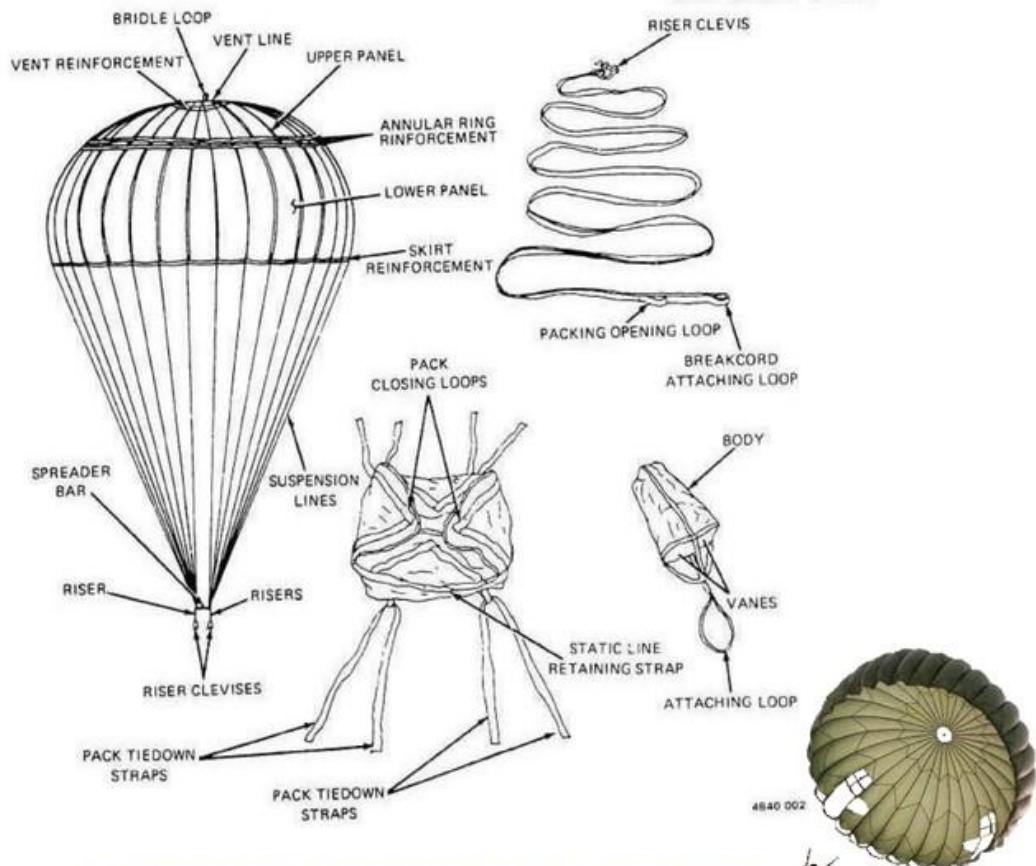


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CARGO PARACHUTE : G-14 [34 Ft]

| SPECIFICATION | | |
|-------------------|--------------------------|------------------|
| ASSEMBLY | NATIONAL STOCK NUMBER | 1670 009992658 |
| | PART NO | 11-1-578 |
| | MAX SUSPENDED LOAD | 500 LBS (227 KG) |
| | WEIGHT | 37.5 LBS |
| | PARACHUTE TYPE | ANNULAR-RING |
| PART NO | CANOPY | 11-1-579 |
| | D-BAG | 51D6553 |
| | STATIC LINE | 11-1-219 |
| | DRAGUE | 61D2459 |
| COMPONENTS | CANOPY-SHAPE | B-CONICAL |
| | DIAMETER | 34FT - 10.4M |
| | GORE | 32 |
| | SECTION / GORE | 2 |
| | MATERIAL-CANOPY | MIL-C-7350-T/1 |
| | MATERIAL-SUSPENSION LINE | MIL-C-7515-T/1A |



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 FACTORY : Jln. Ciampeni No. 10 Kopo, Bandung, Jawa Barat, Indonesia
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LANGIT BIRU PARASUT

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LBP GPSR CARGO PARACHUTE SYSTEM [250 kg]

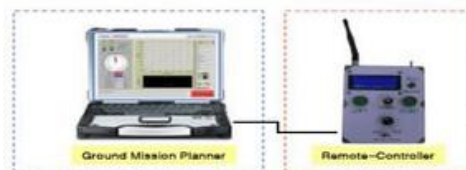
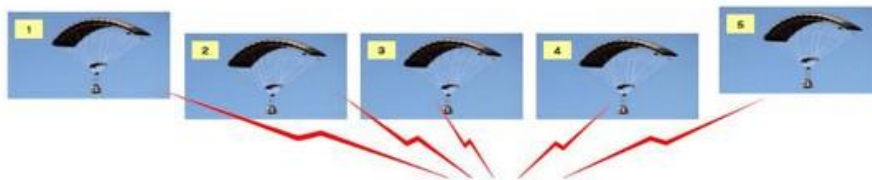
LBP-GPSR precision airdrop systems are designed for safe and accurate delivery of goods in support of military or humanitarian missions.

LBP-GPSR (weight : 250kg) systems are especially suitable for support to tactical reconnaissance and Special Force missions.

The Fully autonomous guidance (AGU) support a payload range of 100 to 250kg with the same high level of accuracy under all weather conditions.

The system is designed for portability, ruggedness, and ease of operations and maintenance in order to lower cost, reduce training time and maximize operational effectiveness.

| LBP GPSR [250KG] SPECIFICATION | |
|------------------------------------|-------------------------------------|
| PAYLOAD RANGE | 100-250 Kg |
| ACCURACY | 100m CEP |
| FLIGHT DISTANCE | 25 Km |
| GLIDE RATIO (CARGO PARACHUTE) | 3 : 1 |
| SUPPORT DROP FROM HIGH ALTITUDES | MAX 25,000ft |
| | MIN 3,000ft |
| AGU WEIGHT | 25 Kg (with batteries) |
| ENVIRONMENT CONDITION (centigrade) | - 40 ~ 80 |
| COMPONENTS | AGU (Airborne Guidance Unit) |
| | GMP (Ground Mission Planner)-LAPTOP |
| | REMOTE CONTROL |



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 FACTORY: Jl. Ciampora No. 10, Ropis, Bandung. TEL/FAX: +62 22 9891478

Contact Us: +62 812-8208-2718 | E-mail: ptlbpindonesia@gmail.com



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MATERIAL [MILITARY PARACHUTE]

FABRIC

| | |
|-------------|---|
| PIA C 498 | CLOTH, PARACHUTE, SYNTHETIC FIBER (FOR AMMUNITION PARACHUTES) |
| PIA C 44378 | CLOTH, PARACHUTE, NYLON, LOW PERMEABILITY |
| PIA C 7020 | CLOTH, PARACHUTE, NYLON-RIP STOP AND TWILL WEAVE |
| PIA C 7350 | CLOTH, PARACHUTE, NYLON |
| PIA-C 7219 | NYLON PACK CLOTH |
| PIA-C 10296 | COTTON SATEEN |
| PIA-C 3953 | NYLON DUCK |

WEBBING

| | |
|-------------|---|
| PIA W 4088 | WEBBING,TEXTILE,WOVEN NYLON |
| PIA W 27266 | WEBBING,TEXTILE,WOVEN NYLON |
| PIA T 5038 | TAPE,TEXTILE AND WEBBING,TEXTILE REINFORCING,NYLON |
| PIA W 5625 | WEBBING,TEXTILE,NYLON,TUBULAR |
| PIA W 5665 | WEBBING,TEXTILE COTTON WARP |
| PIA W 530 | Webbing,Textile, Cotton, General Purpose |
| PIA W 5661 | TAPE AND WEBBING, TEXTILE,WOVEN REINFORCING, COTTON |
| PIA T 6134 | TAPE, TEXTILE, NYLON, PARACHUTE CONSTRUCTION |
| PIA-T-5666 | TAPE, TEXTILE, NYLON, MULTIPLE TUBULAR |

NET

| | |
|-------------|--|
| PIA-C-43805 | CLOTH, NETTING, PARACHUTE SKIRT EXTENSION, NYLON, RASCHEL KNIT |
|-------------|--|

CORD

| | |
|-------------|---------------------------------------|
| PIA C 5040 | CORD, FIBROUS, NYLON |
| PIA C 7515 | Cord, Nylon and Coreless |
| PIA C 17183 | CORD,NYLON,BRAIDED TUBULAR,SPLICEABLE |

THREAD

| | |
|---------|--------------|
| V-T-295 | NYLON THREAD |
|---------|--------------|



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OFFICE & FACTORY: Jl. Cipinang No. 10, Bandung, Bandung, West Java 40132, Indonesia
Contact Us: +62 812-8208-2718 | E-mail: ptlbpindonesia@gmail.com