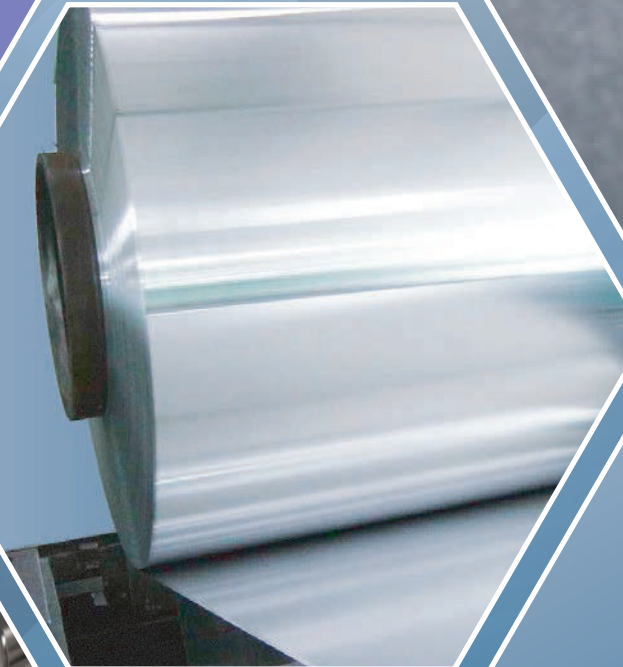
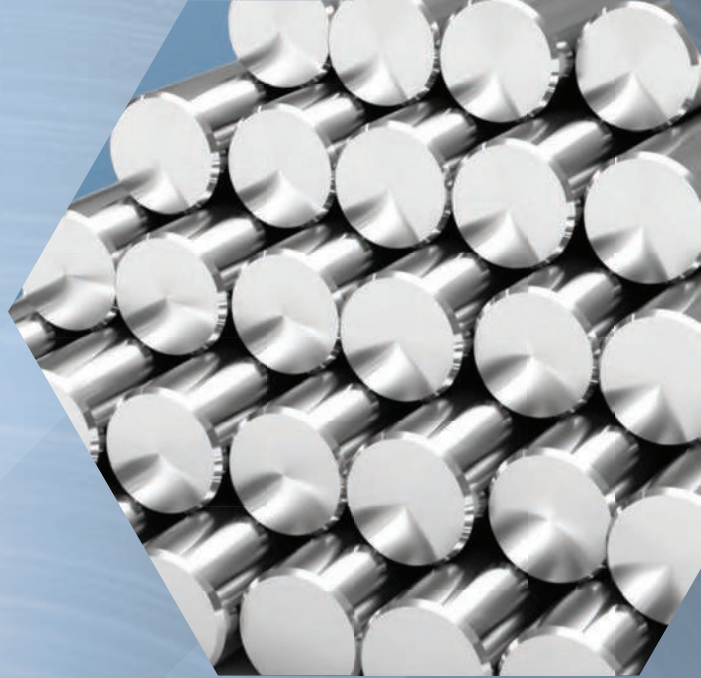




PT. INDO BAJA MANDIRI



Katalog  
**2022**



# COMPANY PROFILE

**The world of PT. INDO BAJA MANDIRI** is one without boundaries – a growing, changing and challenging distributive company. Our company is global, diversified, and reliable. We started kicking off in late 2019 in the center heart of Indonesia – Jakarta, providing customers with wide-ranging capabilities, products, and services for a variety of markets; including heavy-industrial, machinery, construction, and agriculture.

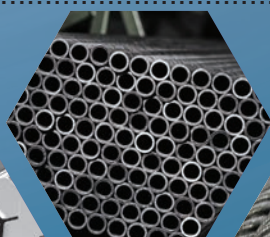
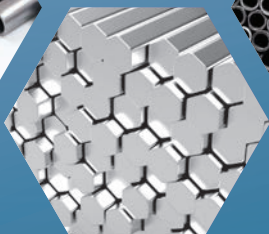
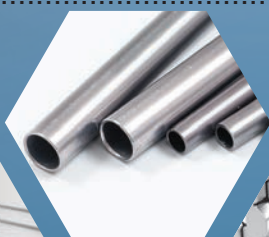
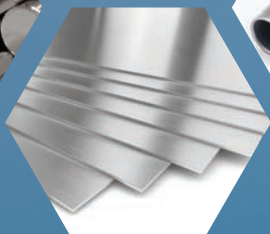
We have built a reputation on quality, safety, and regulatory compliance, ensuring the protection of our industry, employees, and most importantly, our customers.

No matter the product or service, PT. IBM puts people first. Since its founding last year, PT. IBM has operated on a philosophy rooted in the HAM rule, which serves as the basis for an unwavering commitment to the customer, supplier, shareholder, as well as our employees. In addition, as the Company's foundation for one of the strongest employee-employer partnerships in the Indonesian industry.



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## **Our Mission**

Our company creates innovative, high-quality products solutions for our customers in a safe, responsible and profitable manner.

## **Our Vision**

Provide innovative products in the best quality and services that surpass our customers' needs today and in the future.

## **Our Values**

At IBM (Indo Baja Mandiri), our key values of safety, quality, productivity and innovation are the foundation of our business as we work to fulfil our mission of operating in a safe, responsible and profitable manner.



# Round Bar

## TYPE 201

### Stainless Steel Round Bar 201 AS Stainless Steel Bulat 201

Standar panjang 6 meter / batang

**KUAT, AMAN  
DAN TERUJI**

| Chemical Composition |            |
|----------------------|------------|
| Carbon (C)           | 0,15%      |
| Manganese (Mn)       | 5,50-7,00% |
| Phosphorus (Ph)      | 0,06%      |
| Sulfur (S)           | 0,03%      |
| Silicon (Si)         | 1,00%      |
| Chromium (Cr)        | 16-18%     |
| Nickel (Ni)          | 3,50-5,00% |
| Molybdenum (Mo)      | -          |

| Mechanical Properties (Annealed) |       |
|----------------------------------|-------|
| MPa (Tekanan)                    | ≥ 245 |
| MPa (Tekanan)                    | ≥ 635 |
| %                                | ≥ 40  |
| HV                               | ≤ 253 |



**MARINE**

| Diameter | Berat<br>(kg/m) | Berat<br>(kg/6m) |
|----------|-----------------|------------------|
| 3mm      | 0,05            | 0,3              |
| 4mm      | 0,1             | 0,6              |
| 5mm      | 0,15            | 0,9              |
| 6mm      | 0,217           | 1,3              |
| 1/4"     | 0,25            | 1,5              |
| 5/16"    | 0,39            | 2,34             |
| 8mm      | 0,4             | 2,4              |
| 9mm      | 0,5             | 3                |
| 3/8"     | 0,563           | 3,38             |
| 10mm     | 0,617           | 3,7              |
| 12mm     | 0,9             | 5,4              |
| 1/2"     | 1               | 6                |
| 5/8"     | 1,563           | 9,38             |
| 3/4"     | 2,25            | 13,5             |
| 7/8"     | 3,063           | 18,38            |
| 1"       | 4               | 24               |
| 1-1/8"   | 5,063           | 30,375           |
| 1-1/4    | 6,25            | 37,5             |

| Diameter | Berat<br>(kg/m) | Berat<br>(kg/6m) |
|----------|-----------------|------------------|
| 1-3/8"   | 7,563           | 45,38            |
| 1-1/2"   | 9               | 54               |
| 1-5/8"   | 10,563          | 63,38            |
| 1-3/4"   | 12,25           | 73,5             |
| 2"       | 16              | 96               |
| 2-1/4"   | 20,25           | 121,5            |
| 2-1/2"   | 25              | 150              |
| 2-3/4"   | 30,25           | 181,5            |
| 3"       | 36              | 216              |
| 3-1/4"   | 42,25           | 253,5            |
| 3-1/2"   | 49              | 294              |
| 4"       | 64              | 384              |
| 4-1/2"   | 81              | 486              |
| 5"       | 100             | 600              |
| 5-1/2"   | 121             | 726              |
| 6        | 144             | 864              |
| 6-1/2"   | 169             | 1.014            |
| 7"       | 196             | 1.176            |

# Round Bar

## TYPE 304

### Stainless Steel Round Bar 304 AS Stainless Steel Bulat 304

Standar panjang 6 meter / batang

**KUAT, AMAN  
DAN TERUJI**

#### Chemical Composition

|                 |             |
|-----------------|-------------|
| Carbon (C)      | 0,08%       |
| Manganese (Mn)  | 2,00%       |
| Phosphorus (Ph) | 0,05%       |
| Sulfur (S)      | 0,03%       |
| Silicon (Si)    | 1,00%       |
| Chromium (Cr)   | 18-20%      |
| Nickel (Ni)     | 8,00-10,50% |
| Molybdenum (Mo) | -           |

#### Mechanical Properties (Annealed)

|               |       |
|---------------|-------|
| MPa (Tekanan) | ≥ 205 |
| MPa (Tekanan) | ≥ 520 |
| %             | ≥ 40  |
| HV            | ≤ 200 |



**MARINE**

| Diameter | Berat<br>(kg/m) | Berat<br>(kg/6m) |
|----------|-----------------|------------------|
| 3mm      | 0,05            | 0,3              |
| 4mm      | 0,1             | 0,6              |
| 5mm      | 0,15            | 0,9              |
| 6mm      | 0,217           | 1,3              |
| 1/4"     | 0,25            | 1,5              |
| 5/16"    | 0,39            | 2,34             |
| 8mm      | 0,4             | 2,4              |
| 9mm      | 0,5             | 3                |
| 3/8"     | 0,563           | 3,38             |
| 10mm     | 0,617           | 3,7              |
| 12mm     | 0,9             | 5,4              |
| 1/2"     | 1               | 6                |
| 5/8"     | 1,563           | 9,38             |
| 3/4"     | 2,25            | 13,5             |
| 7/8"     | 3,063           | 18,38            |
| 1"       | 4               | 24               |
| 1-1/8"   | 5,063           | 30,375           |
| 1-1/4"   | 6,25            | 37,5             |

| Diameter | Berat<br>(kg/m) | Berat<br>(kg/6m) |
|----------|-----------------|------------------|
| 1-3/8"   | 7,563           | 45,38            |
| 1-1/2"   | 9               | 54               |
| 1-5/8"   | 10,563          | 63,38            |
| 1-3/4"   | 12,25           | 73,5             |
| 2"       | 16              | 96               |
| 2-1/4"   | 20,25           | 121,5            |
| 2-1/2"   | 25              | 150              |
| 2-3/4"   | 30,25           | 181,5            |
| 3"       | 36              | 216              |
| 3-1/4"   | 42,25           | 253,5            |
| 3-1/2"   | 49              | 294              |
| 4"       | 64              | 384              |
| 4-1/2"   | 81              | 486              |
| 5"       | 100             | 600              |
| 5-1/2"   | 121             | 726              |
| 6        | 144             | 864              |
| 6-1/2"   | 169             | 1.014            |
| 7"       | 196             | 1.176            |



# Round Bar

TYPE

316

## Stainless Steel Round Bar 316 AS Stainless Steel Bulat 316

Standar panjang 6 meter / batang

KUAT, AMAN  
DAN TERUJI

### Chemical Composition

|                 |              |
|-----------------|--------------|
| Carbon (C)      | 0,08%        |
| Manganese (Mn)  | 2,00%        |
| Phosphorus (Ph) | 0,05%        |
| Sulfur (S)      | 0,03%        |
| Silicon (Si)    | 1,00%        |
| Chromium (Cr)   | 16-18%       |
| Nickel (Ni)     | 10,00-14,00% |
| Molybdenum (Mo) | 2,00-3,00%   |

### Mechanical Properties (Annealed)

|               |       |
|---------------|-------|
| MPa (Tekanan) | ≥ 205 |
| MPa (Tekanan) | ≥ 520 |
| %             | ≥ 40  |
| HV            | ≤ 200 |



MARINE

| Diameter | Berat<br>(kg/m) | Berat<br>(kg/6m) |
|----------|-----------------|------------------|
| 3mm      | 0,05            | 0,3              |
| 4mm      | 0,1             | 0,6              |
| 5mm      | 0,15            | 0,9              |
| 6mm      | 0,217           | 1,3              |
| 1/4"     | 0,25            | 1,5              |
| 5/16"    | 0,39            | 2,34             |
| 8mm      | 0,4             | 2,4              |
| 9mm      | 0,5             | 3                |
| 3/8"     | 0,563           | 3,38             |
| 10mm     | 0,617           | 3,7              |
| 12mm     | 0,9             | 5,4              |
| 1/2"     | 1               | 6                |
| 5/8"     | 1,563           | 9,38             |
| 3/4"     | 2,25            | 13,5             |
| 7/8"     | 3,063           | 18,38            |
| 1"       | 4               | 24               |
| 1-1/8"   | 5,063           | 30,375           |
| 1-1/4"   | 6,25            | 37,5             |

| Diameter | Berat<br>(kg/m) | Berat<br>(kg/6m) |
|----------|-----------------|------------------|
| 1-3/8"   | 7,563           | 45,38            |
| 1-1/2"   | 9               | 54               |
| 1-5/8"   | 10,563          | 63,38            |
| 1-3/4"   | 12,25           | 73,5             |
| 2"       | 16              | 96               |
| 2-1/4"   | 20,25           | 121,5            |
| 2-1/2"   | 25              | 150              |
| 2-3/4"   | 30,25           | 181,5            |
| 3"       | 36              | 216              |
| 3-1/4"   | 42,25           | 253,5            |
| 3-1/2"   | 49              | 294              |
| 4"       | 64              | 384              |
| 4-1/2"   | 81              | 486              |
| 5"       | 100             | 600              |
| 5-1/2"   | 121             | 726              |
| 6        | 144             | 864              |
| 6-1/2"   | 169             | 1.014            |
| 7"       | 196             | 1.176            |

# Half Round Bar

TYPE

201

TYPE

304

KUAT, AMAN  
DAN TERUJI



**MARINE**

**Stainless Steel Half Round Bar 201 & 304**  
**AS Stainless Steel Half Round 201 & 304**

Standar panjang 6 meter / batang

| Chemical Composition | 201        | 304         |
|----------------------|------------|-------------|
| Carbon (C)           | 0.15%      | 0,08%       |
| Manganese (Mn)       | 5,50-7,00% | 2,00%       |
| Phosphorus (Ph)      | 0,06%      | 0,05%       |
| Sulfur (S)           | 0,03%      | 0,03%       |
| Silicon (Si)         | 1,00%      | 1,00%       |
| Chromium (Cr)        | 16-18%     | 18-20%      |
| Nickel (Ni)          | 3,50-5,00% | 8,00-10,50% |
| Molybdenum (Mo)      | -          | -           |

| Mechanical Properties<br>(Annealed) | 201   | 304   |
|-------------------------------------|-------|-------|
| MPa (Tekanan)                       | ≥ 245 | ≥ 205 |
| MPa (Tekanan) <sub>v</sub>          | ≥ 653 | ≥ 520 |
| %                                   | ≥ 40  | ≥ 40  |
| HV                                  | ≤ 253 | ≤ 200 |

| Tipe |
|------|
| 201  |
| 304  |



# Siku Stainless

## TYPE 201

### Stainless Steel Angle Bar 201 AS Stainless Steel Siku 201

Standar panjang 6 meter / batang

**KUAT, AMAN  
DAN TERUJI**

| Chemical Composition |            |
|----------------------|------------|
| Carbon (C)           | 0,15%      |
| Manganese (Mn)       | 5,50-7,00% |
| Phosphorus (Ph)      | 0,06%      |
| Sulfur (S)           | 0,03%      |
| Silicon (Si)         | 1,00%      |
| Chromium (Cr)        | 16-18%     |
| Nickel (Ni)          | 3,50-5,00% |
| Molybdenum (Mo)      | -          |

| Mechanical Properties (Annealed) |       |
|----------------------------------|-------|
| MPa (Tekanan)                    | ≥ 245 |
| MPa (Tekanan)                    | ≥ 635 |
| %                                | ≥ 40  |
| HV                               | ≤ 253 |



| Lebar (mm) |   | Lebar (mm) |   | Tebal (mm) | Berat (kg) |
|------------|---|------------|---|------------|------------|
| 20         | x | 20         | x | 3          | 5,7        |
| 20         | x | 20         | x | 4          | 7,5        |
| 20         | x | 20         | x | 5          | 9,4        |
| 20         | x | 20         | x | 6          | 11,3       |
| 25         | x | 25         | x | 3          | 7,1        |
| 25         | x | 25         | x | 4          | 9,4        |
| 25         | x | 25         | x | 5          | 11,8       |
| 25         | x | 25         | x | 6          | 14,1       |
| 30         | x | 30         | x | 3          | 8,5        |
| 30         | x | 30         | x | 4          | 11,3       |
| 30         | x | 30         | x | 5          | 14,1       |
| 30         | x | 30         | x | 6          | 17,0       |
| 40         | x | 40         | x | 4          | 15,1       |
| 40         | x | 40         | x | 5          | 18,8       |
| 40         | x | 40         | x | 6          | 22,6       |

| Lebar (mm) |   | Lebar (mm) |   | Tebal (mm) | Berat (kg) |
|------------|---|------------|---|------------|------------|
| 50         | x | 50         | x | 3          | 14,1       |
| 50         | x | 50         | x | 4          | 18,8       |
| 50         | x | 50         | x | 5          | 23,6       |
| 50         | x | 50         | x | 6          | 28,3       |
| 65         | x | 65         | x | 6          | 36,7       |
| 75         | x | 75         | x | 6          | 42,4       |
| 100        | x | 100        | x | 8          | 75,4       |

# Siku Stainless

TYPE **304**

**KUAT, AMAN  
DAN TERUJI**

## Stainless Steel Angle Bar **304** AS Stainless Steel Siku

Standar panjang 6 meter / batang

| Chemical Composition |             |
|----------------------|-------------|
| Carbon (C)           | 0,08%       |
| Manganese (Mn)       | 2,00%       |
| Phosphorus (Ph)      | 0,05%       |
| Sulfur (S)           | 0,03%       |
| Silicon (Si)         | 1,00%       |
| Chromium (Cr)        | 18-20%      |
| Nickel (Ni)          | 8,00-10,50% |
| Molybdenum (Mo)      | -           |

| Mechanical Properties (Annealed) |       |
|----------------------------------|-------|
| MPa (Tekanan)                    | ≥ 205 |
| MPa (Tekanan)                    | ≥ 520 |
| %                                | ≥ 40  |
| HV                               | ≤ 200 |



**MARINE**

| Lebar<br>(mm) |   | Lebar<br>(mm) |   | Tebal<br>(mm) | Berat<br>(kg) |
|---------------|---|---------------|---|---------------|---------------|
| 20            | x | 20            | x | 3             | 5,7           |
| 20            | x | 20            | x | 4             | 7,5           |
| 20            | x | 20            | x | 5             | 9,4           |
| 20            | x | 20            | x | 6             | 11,3          |
| 25            | x | 25            | x | 3             | 7,1           |
| 25            | x | 25            | x | 4             | 9,4           |
| 25            | x | 25            | x | 5             | 11,8          |
| 25            | x | 25            | x | 6             | 14,1          |
| 30            | x | 30            | x | 3             | 8,5           |
| 30            | x | 30            | x | 4             | 11,3          |
| 30            | x | 30            | x | 5             | 14,1          |
| 30            | x | 30            | x | 6             | 17,0          |
| 40            | x | 40            | x | 4             | 15,1          |
| 40            | x | 40            | x | 5             | 18,8          |
| 40            | x | 40            | x | 6             | 22,6          |

| Lebar<br>(mm) |   | Lebar<br>(mm) |   | Tebal<br>(mm) | Berat<br>(kg) |
|---------------|---|---------------|---|---------------|---------------|
| 50            | x | 50            | x | 3             | 14,1          |
| 50            | x | 50            | x | 4             | 18,8          |
| 50            | x | 50            | x | 5             | 23,6          |
| 50            | x | 50            | x | 6             | 28,3          |
| 65            | x | 65            | x | 6             | 36,7          |
| 75            | x | 75            | x | 6             | 42,4          |
| 100           | x | 100           | x | 8             | 75,4          |



# Plat Strip

## TYPE 201

### Stainless Steel Plat Strip 201 AS Stainless Plat Strip 201

Standar panjang 6 meter / batang

**KUAT, AMAN  
DAN TERUJI**

#### Chemical Composition

|                 |            |
|-----------------|------------|
| Carbon (C)      | 0,15%      |
| Manganese (Mn)  | 5,50-7,00% |
| Phosphorus (Ph) | 0,06%      |
| Sulfur (S)      | 0,03%      |
| Silicon (Si)    | 1,00%      |
| Chromium (Cr)   | 16-18%     |
| Nickel (Ni)     | 3,50-5,00% |
| Molybdenum (Mo) | -          |

#### Mechanical Properties (Annealed)

|               |       |
|---------------|-------|
| MPa (Tekanan) | ≥ 245 |
| MPa (Tekanan) | ≥ 635 |
| %             | ≥ 40  |
| HV            | ≤ 253 |



| Tebal<br>(mm) |   | Lebar<br>(mm) |
|---------------|---|---------------|
| 3             | x | 20            |
| 3             | x | 25            |
| 3             | x | 30            |
| 3             | x | 40            |
| 3             | x | 50            |
| 4             | x | 25            |
| 4             | x | 30            |
| 4             | x | 40            |
| 4             | x | 50            |
| 5             | x | 25            |
| 5             | x | 30            |
| 5             | x | 40            |
| 5             | x | 50            |
| 5             | x | 60            |
| 5             | x | 65            |

| Tebal<br>(mm) |   | Lebar<br>(mm) |
|---------------|---|---------------|
| 6             | x | 25            |
| 6             | x | 30            |
| 6             | x | 40            |
| 6             | x | 50            |
| 6             | x | 60            |
| 8             | x | 25            |
| 8             | x | 30            |
| 8             | x | 40            |
| 8             | x | 50            |
| 10            | x | 25            |
| 10            | x | 30            |
| 10            | x | 40            |
| 10            | x | 50            |
| 10            | x | 100           |

# Plat Strip

**TYPE 304**

**Stainless Steel Plat Strip 304**  
**AS Stainless Steel Bulat 304**

Standar panjang 6 meter / batang

**KUAT, AMAN  
DAN TERUJI**

## Chemical Composition

|                 |             |
|-----------------|-------------|
| Carbon (C)      | 0,08%       |
| Manganese (Mn)  | 2,00%       |
| Phosphorus (Ph) | 0,05%       |
| Sulfur (S)      | 0,03%       |
| Silicon (Si)    | 1,00%       |
| Chromium (Cr)   | 18-20%      |
| Nickel (Ni)     | 8,00-10,50% |
| Molybdenum (Mo) | -           |

## Mechanical Properties (Annealed)

|               |       |
|---------------|-------|
| MPa (Tekanan) | ≥ 205 |
| MPa (Tekanan) | ≥ 520 |
| %             | ≥ 40  |
| HV            | ≤ 200 |



**MARINE**

| Tebal<br>(mm) |   | Lebar<br>(mm) |
|---------------|---|---------------|
| 3             | x | 20            |
| 3             | x | 25            |
| 3             | x | 30            |
| 3             | x | 40            |
| 3             | x | 50            |
| 4             | x | 25            |
| 4             | x | 30            |
| 4             | x | 40            |
| 4             | x | 50            |
| 5             | x | 25            |
| 5             | x | 30            |
| 5             | x | 40            |
| 5             | x | 50            |
| 5             | x | 60            |
| 5             | x | 65            |

| Tebal<br>(mm) |   | Lebar<br>(mm) |
|---------------|---|---------------|
| 6             | x | 25            |
| 6             | x | 30            |
| 6             | x | 40            |
| 6             | x | 50            |
| 6             | x | 60            |
| 8             | x | 25            |
| 8             | x | 30            |
| 8             | x | 40            |
| 8             | x | 50            |
| 10            | x | 25            |
| 10            | x | 30            |
| 10            | x | 40            |
| 10            | x | 50            |
| 10            | x | 100           |



# Pipa Schedule 10

TYPE **304**

**KUAT, AMAN  
DAN TERUJI**

## Stainless Steel 304 Welded Pipe Schedule 10 Pipa SS 304 SCH-10

Standar panjang 6 meter / batang

| Chemical Composition |             |
|----------------------|-------------|
| Carbon (C)           | 0,08%       |
| Manganese (Mn)       | 2,00%       |
| Phosphorus (Ph)      | 0,05%       |
| Sulfur (S)           | 0,03%       |
| Silicon (Si)         | 1,00%       |
| Chromium (Cr)        | 18-20%      |
| Nickel (Ni)          | 8,00-10,50% |
| Molybdenum (Mo)      | -           |

| Mechanical Properties (Annealed) |       |
|----------------------------------|-------|
| MPa (Tekanan)                    | ≥ 205 |
| MPa (Tekanan)                    | ≥ 520 |
| %                                | ≥ 40  |
| HV                               | ≤ 200 |



**M MARINE**

| Dia. Luar<br>(inci) | Dia. Luar<br>(mm) | Tebal<br>(mm) | Berat<br>(kg/6m) |
|---------------------|-------------------|---------------|------------------|
| 1/4"                | 13,8              | 1,65          | 3,03             |
| 3/8"                | 17,3              | 1,65          | 3,90             |
| 1/2"                | 21,7              | 2,1           | 6,22             |
| 3/4"                | 27,2              | 2,1           | 7,97             |
| 1"                  | 34,1              | 2,8           | 13,25            |
| 1-1/4"              | 42,7              | 2,8           | 16,89            |
| 1-1/2"              | 48,6              | 2,8           | 19,39            |
| 2"                  | 60,5              | 2,8           | 24,43            |
| 2-1/2"              | 76,3              | 3             | 33,25            |

| Dia. Luar<br>(inci) | Dia. Luar<br>(mm) | Tebal<br>(mm) | Berat<br>(kg/6m) |
|---------------------|-------------------|---------------|------------------|
| 3"                  | 89,1              | 3             | 39,05            |
| 4"                  | 114,3             | 3             | 50,49            |
| 5"                  | 139,8             | 3,4           | 70,12            |
| 6"                  | 165,2             | 3,4           | 83,18            |
| 8"                  | 216,3             | 4             | 128,40           |
| 10"                 | 267,4             | 4             | 159,30           |
| 12"                 | 318,5             | 4             | 190,21           |

# Pipa Schedule 20

**TYPE 304**

**KUAT, AMAN  
DAN TERUJI**

## Stainless Steel 304 Welded Pipe Schedule 20 Pipa SS 304 SCH-20

Standar panjang 6 meter / batang

### Chemical Composition

|                 |             |
|-----------------|-------------|
| Carbon (C)      | 0,08%       |
| Manganese (Mn)  | 2,00%       |
| Phosphorus (Ph) | 0,05%       |
| Sulfur (S)      | 0,03%       |
| Silicon (Si)    | 1,00%       |
| Chromium (Cr)   | 18-20%      |
| Nickel (Ni)     | 8,00-10,50% |
| Molybdenum (Mo) | -           |

### Mechanical Properties (Annealed)

|               |       |
|---------------|-------|
| MPa (Tekanan) | ≥ 205 |
| MPa (Tekanan) | ≥ 520 |
| %             | ≥ 40  |
| HV            | ≤ 200 |



**M MARINE**

| Dia. Luar<br>(inci) | Dia. Luar<br>(mm) | Tebal<br>(mm) | Berat<br>(kg/6m) |
|---------------------|-------------------|---------------|------------------|
| 1/4"                | 13,8              | 2             | 3,57             |
| 3/8"                | 17,3              | 2             | 4,63             |
| 1/2"                | 21,7              | 2,5           | 7,26             |
| 3/4"                | 27,2              | 2,5           | 9,34             |
| 1"                  | 34,1              | 3             | 14,11            |
| 1-1/4"              | 42,7              | 3             | 18,91            |
| 1-1/2"              | 48,6              | 3             | 20,68            |
| 2"                  | 60,5              | 3,5           | 30,16            |
| 2-1/2"              | 76,3              | 3,5           | 38,53            |

| Dia. Luar<br>(inci) | Dia. Luar<br>(mm) | Tebal<br>(mm) | Berat<br>(kg/6m) |
|---------------------|-------------------|---------------|------------------|
| 3"                  | 89,1              | 4             | 51,47            |
| 4"                  | 114,3             | 4             | 66,71            |
| 5"                  | 139,8             | 5             | 101,91           |
| 6"                  | 165,2             | 5             | 121,11           |
| 8"                  | 216,3             | 6,5           | 206,19           |
| 10"                 | 267,4             | 6,5           | 256,41           |
| 12"                 | 318,5             | 6,5           | 306,63           |



# Pipa Schedule 40

**TYPE 304**

**KUAT, AMAN  
DAN TERUJI**

## Stainless Steel 304 Welded Pipe Schedule 40 Pipa SS 304 SCH-40

Standar panjang 6 meter / batang

| Chemical Composition |             |
|----------------------|-------------|
| Carbon (C)           | 0,08%       |
| Manganese (Mn)       | 2,00%       |
| Phosphorus (Ph)      | 0,05%       |
| Sulfur (S)           | 0,03%       |
| Silicon (Si)         | 1,00%       |
| Chromium (Cr)        | 18-20%      |
| Nickel (Ni)          | 8,00-10,50% |
| Molybdenum (Mo)      | -           |

| Mechanical Properties (Annealed) |       |
|----------------------------------|-------|
| MPa (Tekanan)                    | ≥ 205 |
| MPa (Tekanan)                    | ≥ 520 |
| %                                | ≥ 40  |
| HV                               | ≤ 200 |



| Dia. Luar<br>(inci) | Dia. Luar<br>(mm) | Tebal<br>(mm) | Berat<br>(kg/6m) |
|---------------------|-------------------|---------------|------------------|
| 1/4"                | 13,8              | 2,2           | 3,86             |
| 3/8"                | 17,3              | 2,3           | 5,22             |
| 1/2"                | 21,7              | 2,8           | 8,00             |
| 3/4"                | 27,2              | 2,9           | 10,66            |
| 1"                  | 34,1              | 3,4           | 15,78            |
| 1-1/4"              | 42,7              | 3,6           | 21,28            |
| 1-1/2"              | 48,6              | 3,7           | 25,12            |
| 2"                  | 60,5              | 3,9           | 33,38            |
| 2-1/2"              | 76,3              | 5,2           | 55,90            |

| Dia. Luar<br>(inci) | Dia. Luar<br>(mm) | Tebal<br>(mm) | Berat<br>(kg/6m) |
|---------------------|-------------------|---------------|------------------|
| 3"                  | 89,1              | 5,2           | 65,97            |
| 4"                  | 114,3             | 6             | 98,75            |
| 5"                  | 139,8             | 6,6           | 132,92           |
| 6"                  | 165,2             | 7,1           | 169,72           |
| 8"                  | 216,3             | 8,2           | 258,01           |
| 10"                 | 267,4             | 9,3           | 362,93           |
| 12"                 | 318,5             | 10,3          | 479,98           |

# Plat Stainless Kilat

**TYPE 430**

**KUAT, AMAN  
DAN TERUJI**

## Plat Stainless Kilat 430

1 x 2 meter & 4 x 8 feet

| Chemical Composition |        |
|----------------------|--------|
| Carbon (C)           | 0,12%  |
| Manganese (Mn)       | 1,00%  |
| Phosphorus (Ph)      | 0,04%  |
| Sulfur (S)           | 0,03%  |
| Silicon (Si)         | 0,75%  |
| Chromium (Cr)        | 16-18% |
| Nickel (Ni)          | 0,6%   |
| Molybdenum (Mo)      | -      |

| Mechanical Properties (Annealed) |       |
|----------------------------------|-------|
| MPa (Tekanan)                    | ≥ 393 |
| MPa (Tekanan)                    | ≥ 330 |
| %                                | ≥ 7,8 |
| HV                               | ≤ 200 |



| Tebal (mm) |   | Lebar (m) |   | Panjang (m) | Berat (kg) |
|------------|---|-----------|---|-------------|------------|
| 0,3        | x | 1         | x | 2           | 4,8        |
| 0,4        | x | 1         | x | 2           | 6,4        |
| 0,5        | x | 1         | x | 2           | 8          |

| Tebal (mm) |   | Lebar (ft) |   | Panjang (ft) | Berat (kg) |
|------------|---|------------|---|--------------|------------|
| 0,3        | x | 4          | x | 8            | 7,2        |
| 0,4        | x | 4          | x | 8            | 9,6        |
| 0,5        | x | 4          | x | 8            | 12         |



# Plat Stainless Kilat

**TYPE 201**

**KUAT, AMAN  
DAN TERUJI**

## Plat Stainless Kilat 201

4 x 8 feet

| Chemical Composition |            |
|----------------------|------------|
| Carbon (C)           | 0,15%      |
| Manganese (Mn)       | 5,50-7,00% |
| Phosphorus (Ph)      | 0,06%      |
| Sulfur (S)           | 0,03%      |
| Silicon (Si)         | 1,00%      |
| Chromium (Cr)        | 16-18%     |
| Nickel (Ni)          | 3,50-5,00% |
| Molybdenum (Mo)      | -          |

| Mechanical Properties (Annealed) |       |
|----------------------------------|-------|
| MPa (Tekanan)                    | ≥ 245 |
| MPa (Tekanan)                    | ≥ 635 |
| %                                | ≥ 40  |
| HV                               | ≤ 253 |

| Tebal<br>(mm) |   | Lebar<br>(ft) |   | Panjang<br>(ft) | Berat<br>(kg) |
|---------------|---|---------------|---|-----------------|---------------|
| 0,5           | x | 4             | x | 8               | 12            |
| 0,6           | x | 4             | x | 8               | 14,4          |
| 0,7           | x | 4             | x | 8               | 16,8          |
| 0,8           | x | 4             | x | 8               | 19,2          |
| 1             | x | 4             | x | 8               | 24            |
| 1,2           | x | 4             | x | 8               | 28            |
| 1,5           | x | 4             | x | 8               | 36            |
| 2             | x | 4             | x | 8               | 48            |



# Plat Stainless Kabur 2B

**TYPE 304**

**KUAT, AMAN  
DAN TERUJI**

## Plat Stainless Kabur 2B 304

4 x 8 feet

| Chemical Composition |             |
|----------------------|-------------|
| Carbon (C)           | 0,08%       |
| Manganese (Mn)       | 2,00%       |
| Phosphorus (Ph)      | 0,05%       |
| Sulfur (S)           | 0,03%       |
| Silicon (Si)         | 1,00%       |
| Chromium (Cr)        | 18-20%      |
| Nickel (Ni)          | 8,00-10,50% |
| Molybdenum (Mo)      | -           |

| Mechanical Properties (Annealed) |       |
|----------------------------------|-------|
| MPa (Tekanan)                    | ≥ 205 |
| MPa (Tekanan)                    | ≥ 520 |
| %                                | ≥ 40  |
| HV                               | ≤ 200 |

| Tebal<br>(mm) |   | Lebar<br>(ft) |   | Panjang<br>(ft) | Berat<br>(kg) |
|---------------|---|---------------|---|-----------------|---------------|
| 0,5           | x | 4             | x | 8               | 12            |
| 0,6           | x | 4             | x | 8               | 14,4          |
| 0,7           | x | 4             | x | 8               | 16,8          |
| 0,8           | x | 4             | x | 8               | 19,2          |
| 1             | x | 4             | x | 8               | 24            |
| 1,2           | x | 4             | x | 8               | 28            |
| 1,5           | x | 4             | x | 8               | 36            |
| 2             | x | 4             | x | 8               | 48            |



**MARINE**



# Plat Stainless Kabur No.1

**TYPE 201**

**KUAT, AMAN  
DAN TERUJI**

**Plat Stainless Kabur No.1 201**

4 x 8 feet

| Chemical Composition |            |
|----------------------|------------|
| Carbon (C)           | 0,15%      |
| Manganese (Mn)       | 5,50-7,00% |
| Phosphorus (Ph)      | 0,06%      |
| Sulfur (S)           | 0,03%      |
| Silicon (Si)         | 1,00%      |
| Chromium (Cr)        | 16-18%     |
| Nickel (Ni)          | 3,50-5,00% |
| Molybdenum (Mo)      | -          |

| Mechanical Properties (Annealed) |       |
|----------------------------------|-------|
| MPa (Tekanan)                    | ≥ 245 |
| MPa (Tekanan)                    | ≥ 635 |
| %                                | ≥ 40  |
| HV                               | ≤ 253 |

| Tebal<br>(mm) |   | Lebar<br>(ft) |   | Panjang<br>(ft) | Berat<br>(kg) |
|---------------|---|---------------|---|-----------------|---------------|
| 3             | x | 4             | x | 8               | 72            |
| 4             | x | 4             | x | 8               | 96            |
| 5             | x | 4             | x | 8               | 120           |
| 6             | x | 4             | x | 8               | 144           |
| 8             | x | 4             | x | 8               | 192           |
| 10            | x | 4             | x | 8               | 240           |
| 12            | x | 4             | x | 8               | 288           |



# Plat Stainless Kabur No.1

**TYPE 304**

**KUAT, AMAN  
DAN TERUJI**

## Plat Stainless Kabur No.1 304

4 x 8 feet

| Chemical Composition |             |
|----------------------|-------------|
| Carbon (C)           | 0,08%       |
| Manganese (Mn)       | 2,00%       |
| Phosphorus (Ph)      | 0,05%       |
| Sulfur (S)           | 0,03%       |
| Silicon (Si)         | 1,00%       |
| Chromium (Cr)        | 18-20%      |
| Nickel (Ni)          | 8,00-10,50% |
| Molybdenum (Mo)      | -           |

| Mechanical Properties (Annealed) |       |
|----------------------------------|-------|
| MPa (Tekanan)                    | ≥ 205 |
| MPa (Tekanan)                    | ≥ 520 |
| %                                | ≥ 40  |
| HV                               | ≤ 200 |

| Tebal<br>(mm) |   | Lebar<br>(ft) |   | Panjang<br>(ft) | Berat<br>(kg) |
|---------------|---|---------------|---|-----------------|---------------|
| 3             | x | 4             | x | 8               | 72            |
| 4             | x | 4             | x | 8               | 96            |
| 5             | x | 4             | x | 8               | 120           |
| 6             | x | 4             | x | 8               | 144           |
| 8             | x | 4             | x | 8               | 192           |
| 10            | x | 4             | x | 8               | 240           |
| 12            | x | 4             | x | 8               | 288           |



**MARINE**



# Wire Rope

## 6 x 7 + FC

## 6 x 12 + 7FC

TYPE

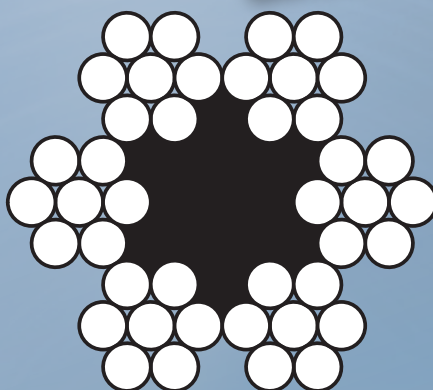
Galvanized Wire Rope

KUAT, AMAN  
DAN TERUJI



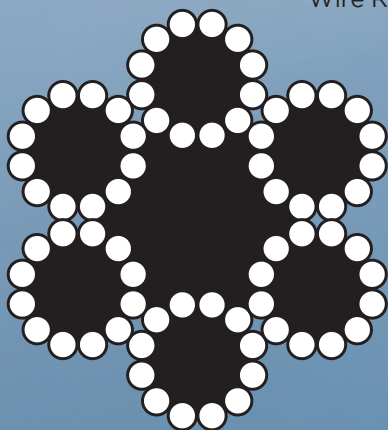
6 x 7 + FC Galvanized

| Diameter<br>(mm) |
|------------------|
| 1,5              |
| 2,0              |



6 x 12 + 7FC Galvanized

| Diameter<br>(mm) |
|------------------|
| 3,0              |
| 4,0              |
| 5,0              |
| 6,0              |
| 8,0              |
| 9,0              |
| 10,0             |
| 12,0             |
| 16,0             |

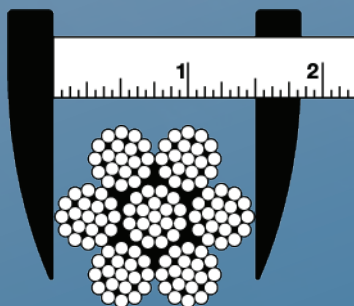


Konstruksi

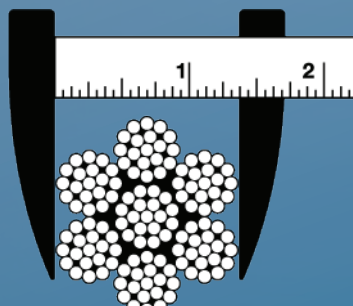
Wire Rope 6 x 7 + FC Galvanized

Konstruksi

Wire Rope 6 x 12 + FC Galvanized



CORRECT



INCORRECT



**schlenger**





# Wire Rope 6 x 12 + 7FC PVC Coated

**KUAT, AMAN  
DAN TERUJI**

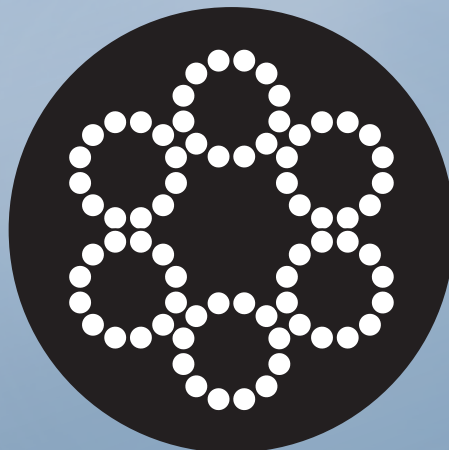


TYPE

PVC Wire Rope

6 x 12 + 7FC PVC Coated

| Diameter<br>(mm) |
|------------------|
| 1,5 - 2,0        |
| 2,0 - 3,0        |
| 3,0 - 4,0        |
| 3,0 - 5,0        |
| 4,0 - 6,0        |
| 6,0 - 8,0        |
| 8,0 - 10,0       |
| 12,0 - 14,0      |
| 14,0 - 16,0      |

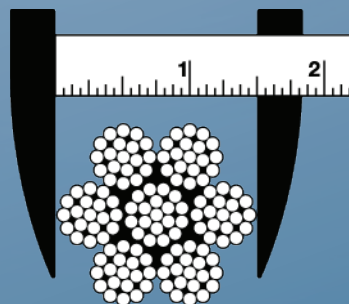


**Konstruksi**

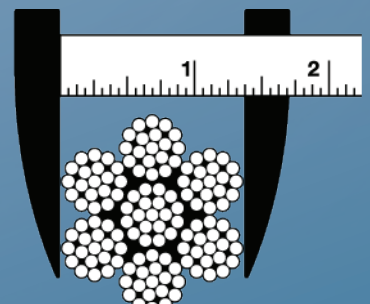
Wire Rope 6 x 12 + FC PVC Coated



**schlinger**



**CORRECT**



**INCORRECT**



# Wire Rope 6 x 19 + IWRC

TYPE

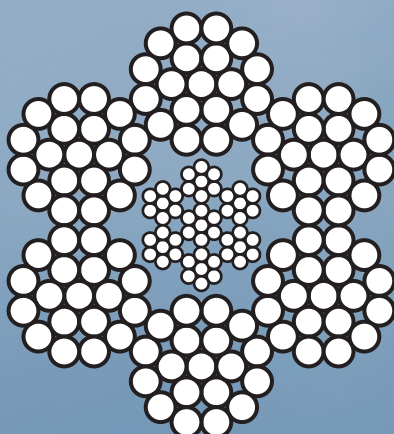
Galvanized Wire Rope

KUAT, AMAN  
DAN TERUJI



6 x 19 + IWRC

| Diameter<br>(mm) |
|------------------|
| 3                |
| 4                |
| 5                |
| 6                |
| 8                |
| 10               |
| 12               |
| 14               |
| 18               |



Konstruksi

Wire Rope 6 x 19 + IWRC Galvanized





# Wire Rope 6 x 19 + IWRC

TYPE

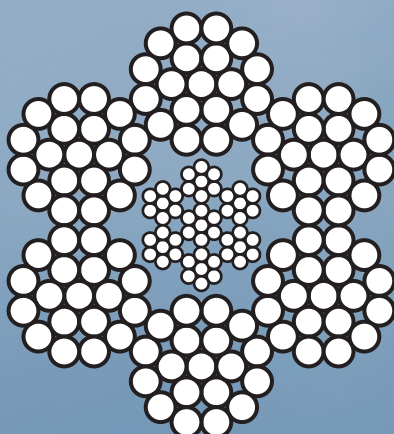
Galvanized Wire Rope

KUAT, AMAN  
DAN TERUJI



6 x 19 + IWRC

| Diameter<br>(mm) |
|------------------|
| 3                |
| 4                |
| 5                |
| 6                |
| 8                |
| 10               |
| 12               |
| 14               |
| 18               |



Konstruksi

Wire Rope 6 x 19 + IWRC Galvanized



**schlenger**





# Wire Rope 6 x 37 + IWRC

TYPE

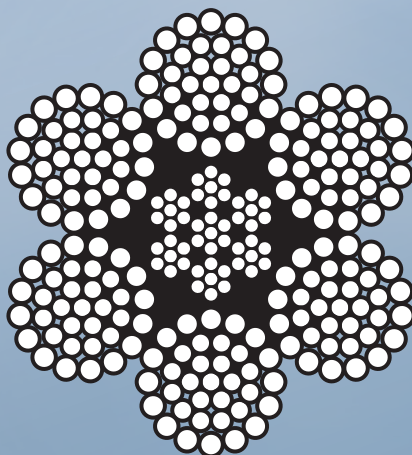
Galvanized Wire Rope

KUAT, AMAN  
DAN TERUJI



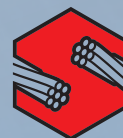
6 x 37 + IWRC

| Diameter<br>(mm) |
|------------------|
| 8                |
| 9                |
| 10               |
| 12               |
| 14               |
| 16               |
| 18               |
| 20               |
| 22               |
| 24               |
| 26               |
| 28               |
| 32               |
| 38               |

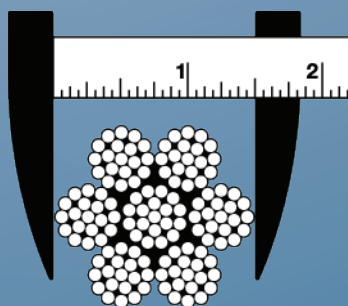


Konstruksi

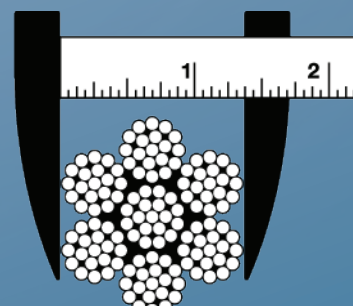
Wire Rope 6 x 37 + IWRC Galvanized



**Schlenger**



CORRECT



INCORRECT



# Wire Rope

## 7 x 7, 7 x 19

## SS 304

TYPE

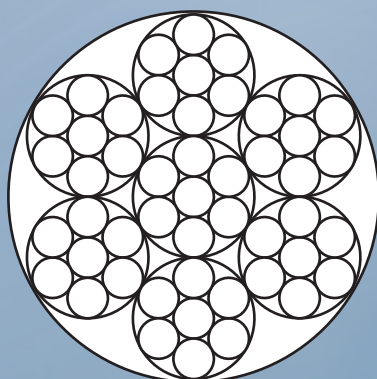
Stainless Steel 304

KUAT, AMAN  
DAN TERUJI



### 7 x 7 SS 304

| Diameter<br>(mm) |
|------------------|
| 0,5              |
| 0,8              |
| 1,0              |
| 1,2              |
| 1,5              |
| 2,0              |

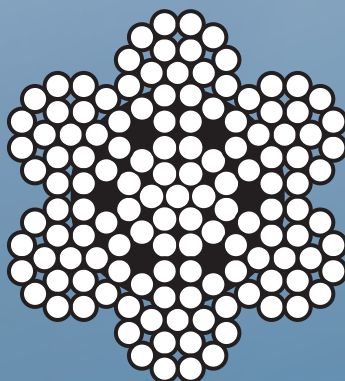


Konstruksi

Wire Rope 7 x 7 SS 304

### 7 x 7 SS 304

| Diameter<br>(mm) |
|------------------|
| 3                |
| 4                |
| 5                |
| 6                |
| 8                |
| 10               |
| 12               |
| 14               |
| 16               |
| 18               |
| 20               |
| 22               |
| 24               |



Konstruksi

Wire Rope 7 x 19 SS 304



**schlinger**



# Galvanized Eye Bolt

TYPE

Galvanized

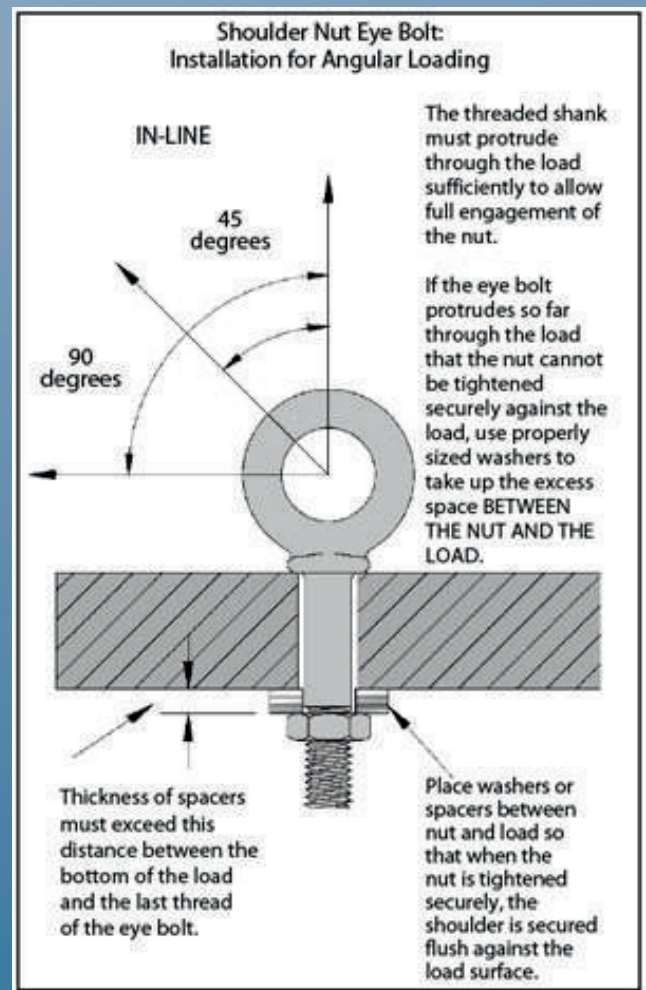
| Panjang<br>(m) |
|----------------|
| M 6            |
| M 8            |
| M 10           |
| M 12           |
| M 14           |
| M 16           |
| M 18           |
| M 20           |
| M 22           |
| M 24           |
| M 30           |
| M 36           |
| M 42           |
| M 48           |
| M 56           |
| M 64           |



**KUAT, AMAN  
DAN TERUJI**



***schlinger***





# Shackle G-209

**TYPE** Screw Pin Anchor Shackle

| Diameter<br>(in) |
|------------------|
| 3/8              |
| 1/2              |
| 5/8              |
| 3/4              |
| 7/8              |
| 1                |
| 1 - 1/8          |
| 1 - 1/4          |
| 1 - 1/2          |
| 1 - 3/4          |
| 2                |
| 2 - 1/2          |

**KUAT, AMAN  
DAN TERUJI**



***schlinger***

# Shackle G-2130

**TYPE** Bolt Type Shackle



**KUAT, AMAN  
DAN TERUJI**

| Diameter<br>(in) |
|------------------|
| 1/2              |
| 5/8              |
| 3/4              |
| 7/8              |
| 1                |
| 1 - 1/4          |
| 1 - 1/2          |
| 1 - 3/4          |
| 2                |
| 2 - 1/2          |

# Shackle SS 304 D Type

TYPE

Stainless Steel 304

| Diameter<br>(mm) |
|------------------|
| 6                |
| 8                |
| 10               |
| 12               |
| 16               |
| 20               |
| 22               |
| 24               |

**KUAT, AMAN  
DAN TERUJI**



**schlinger**

# Wire Rope Clip SS 304

TYPE

Stainless Steel 304



**KUAT, AMAN  
DAN TERUJI**

| Diameter<br>(in) |
|------------------|
| 1/2              |
| 5/8              |
| 3/4              |
| 7/8              |
| 1                |
| 1 - 1/4          |
| 1 - 1/2          |
| 1 - 3/4          |
| 2                |
| 2 - 1/2          |



# Thimble 411 SS 304

TYPE Screw Pin Anchor Shackle

| Diameter<br>(mm) |
|------------------|
| 3                |
| 5                |
| 6                |
| 8                |
| 10               |
| 12               |
| 16               |
| 20               |
| 24               |

**KUAT, AMAN  
DAN TERUJI**



***schlinger***

# Thimble Heavy Duty 411

TYPE Bolt Type Shackle



**KUAT, AMAN  
DAN TERUJI**

| Diameter<br>(in) |
|------------------|
| 3/8              |
| 1/2              |
| 5/8              |
| 3/4              |
| 7/8              |
| 1                |
| 1-1/8 — 1-1/4    |
| 1-3/8 — 1-1/2    |
| 2                |

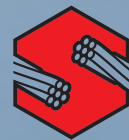
# Turnbuckle SS 304 Hook & Eye

TYPE

Stainless Steel 304

| Dia.<br>(mm) | Body Length<br>(mm) | Screw Length<br>(mm) | Test Load<br>(t) | Weight<br>(kg/pc) |
|--------------|---------------------|----------------------|------------------|-------------------|
| 4            | 75                  | 43                   | 0,8              | 0,1               |
| 5            |                     |                      |                  |                   |
| 6            | 100                 | 48                   | 1,0              | 0,116             |
| 8            | 125                 | 58                   | 1,2              | 0,220             |
| 10           | 150                 | 70                   | 1,5              | 0,295             |
| 12           | 200                 | 95                   | 2,0              | 0,600             |
| 16           | 250                 | 120                  | 3,0              | 1,070             |
| 20           | 300                 | 140                  | 4,0              | 1,790             |
| 22           | 330                 | 165                  | 5,0              | 2,650             |
| 24           | 350                 | 190                  | 6,0              | 3,800             |

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DAN TERUJI**



**Schlinger**

## Turnbuckle JIS Frame Eye & Eye

TYPE

JIS Frame Eye & Eye

| Diameter<br>(in) | Diameter<br>(mm) | (mm)  | (ton) | (kg)  |
|------------------|------------------|-------|-------|-------|
| 3/8              | 9                | 16    | 0,5   | 0,295 |
| 1/2              | 12               | 20    | 2     | 0,6   |
| 5/8              | 16               | 22    | 3     | 1,07  |
| 3/4              | 19               | 28    | 4     | 1,79  |
| 7/8              | 22               | 33    | 5     | 2,55  |
| 1                | 25               | 35    | 6     | 3,8   |
| 1 - 1/4          | 32               | 36x70 | 10    | 7,6   |
| 1 - 1/2          | 38               |       |       |       |



**KUAT, AMAN  
DAN TERUJI**



# Turnbuckle JIS Frame Hook & Eye

TYPE

JIS Frame Hook & Eye

| Diameter<br>(in) | Diameter<br>(mm) | (ton) | (kg)  |
|------------------|------------------|-------|-------|
| 3/8              | 9                | 0,15  | 0,295 |
| 1/2              | 12               | 0,35  | 0,585 |
| 5/8              | 16               | 0,7   | 1,05  |
| 3/4              | 19               | 1     | 1,78  |
| 7/8              | 22               | 1,5   | 2,58  |
| 1                | 25               | 2     | 3,77  |
| 1 - 1/4          | 32               | 3     | 7,52  |
| 1 - 1/2          | 38               |       |       |

**KUAT, AMAN  
DAN TERUJI**



**schlinger**

# Turnbuckle JIS Frame Hook & Hook

TYPE

JIS Frame Eye & Eye

| Diameter<br>(in) | Diameter<br>(mm) | (mm) | (ton) | (kg) |
|------------------|------------------|------|-------|------|
| 3/8              | 9                | 11   | 0,15  | 0,29 |
| 1/2              | 12               | 16   | 0,35  | 0,57 |
| 5/8              | 16               | 19   | 0,7   | 1,03 |
| 3/4              | 19               | 20   | 1     | 1,77 |
| 7/8              | 22               | 21   | 1,5   | 2,6  |
| 1                | 25               | 26   | 2     | 3,73 |

**KUAT, AMAN  
DAN TERUJI**

# Chain Block

**KUAT, AMAN  
DAN TERUJI**



| Ukuran        |
|---------------|
| 1 T x 3 Mtr   |
| 1 T x 5 Mtr   |
| 1 T x 10 Mtr  |
| 2 T x 5 Mtr   |
| 2 T x 10 Mtr  |
| 3 T x 3 Mtr   |
| 3 T x 5 Mtr   |
| 3 T x 10 Mtr  |
| 5 T x 3 Mtr   |
| 5 T x 5 Mtr   |
| 5 T x 10 Mtr  |
| 10 T x 5 Mtr  |
| 10 T x 10 Mtr |



## 1. Steel Formed Cases

Both gear and hand chain wheel are protected by Hydraulic drew cases which is ideally shaped and rugged to be able to withstand external

## 2. Double Housing Protection

Hand wheel and brake are designed as the protection to prevent wet and dirt.

## 3. Brake Mechanism

No matter how heavy the load, the brake works instantly when operation stopped; the lining material is non-asbestos with long lifetime.

## 4. Dual Ratchet Pawls

Dual Ratchet Pawls are applied for extra safety purpose. In case one ratchet pawl fails, the other still maintains its mechanical brake function.

## 5. Load Chain Guide

Ensure the load chain proper fitting the load sheave during operation and protect the load sheave from wet and dirt.



## 6. Bushing

Bushing finished by surface hardened treatment and polish procedure serves to increase the mechanical efficiency and reduce the hand chain pull force.

## 7.Chain Stopper

Work as the lower limit to prevent over traveling during lowering the load.

## 8.Load Chain

Applying grade 80 alloy chain specially calibrates for manual hoists and conforms to ISO and DIN standard.

## 9.Upper & Lower Hooks

Hooks with hot forged and heat treatment allow to be swiveled 360° and are equipped with safety latch to ensure proper hooking the load.





# Lever Block

| Ukuran         |
|----------------|
| 0.75 T x 1.5 M |
| 1.5 T x 1.5 M  |
| 3 T x 1.5 M    |
| 6 T x 1.5 M    |



**Schlinger**

**KUAT, AMAN  
DAN TERUJI**



## Products Summary

The SCHLINGER manual lever chain hoist features a rugged steel frame, load chain hardened for strength and durability and compact design that's perfect for tight spaces.

Enclosed gear housing provides protection that makes it suitable for outdoor use. Guide slots guard against jamming and slipping.

## Features:

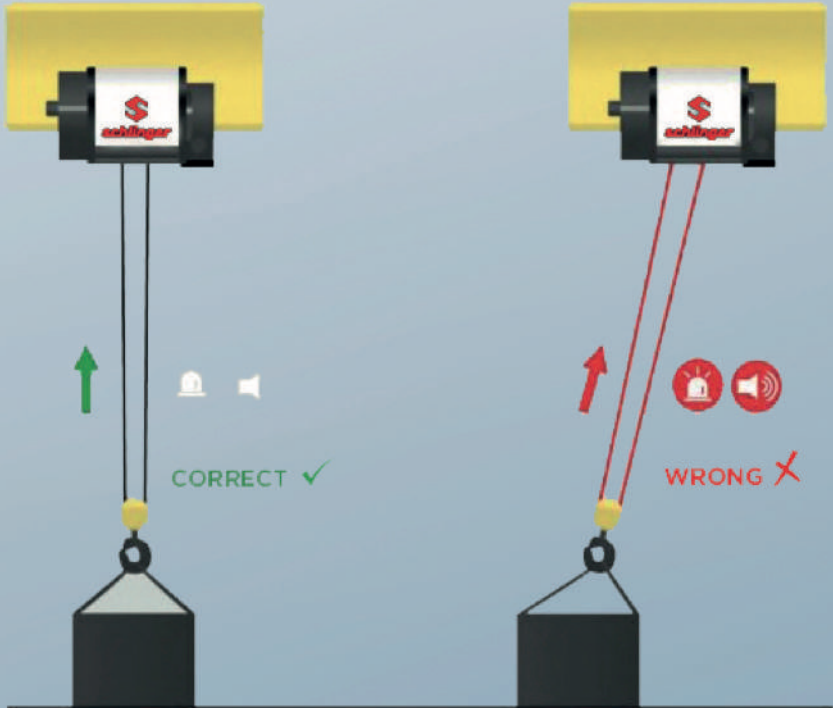
Used in terminals, mining, shipbuilding, construction, transport, telecommunications and other sectors of the equipment installation, lifting objects, pulling parts, parts binding, the line taut and welding and other occasions.

| Rated Load (T) | Test Load (T) | Standard Lift (m) | Min. Distance Between Two Hooks (mm) | Efforts Required at Capacity (N) | No. of Load Chains | Diameter of Load Chain (mm) | Net Weight (Kg) |
|----------------|---------------|-------------------|--------------------------------------|----------------------------------|--------------------|-----------------------------|-----------------|
| 0.75           | 1.125         | 1.5               | 295                                  | 140                              | 1                  | 6                           | 7.3             |
| 1              | 1.5           | 1.5               | 310                                  | 186                              | 1                  | 6                           | 7.8             |
| 1.5            | 2.25          | 1.5               | 335                                  | 234                              | 1                  | 7.1                         | 10.4            |
| 3              | 4.5           | 1.5               | 405                                  | 363                              | 1                  | 10                          | 17.2            |
| 6              | 9             | 1.5               | 550                                  | 370                              | 2                  | 10                          | 26              |

# ELECTRIC ROPE HOIST

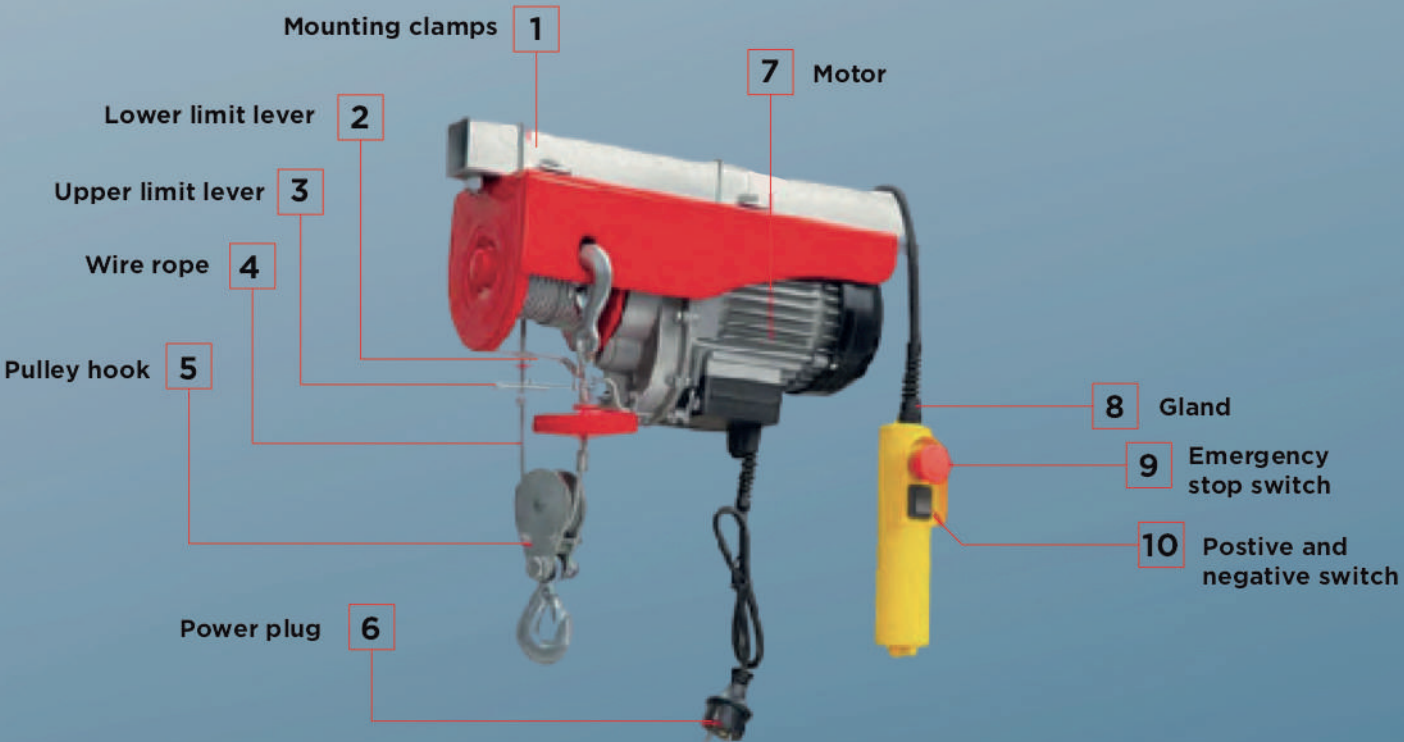
SCHLINGER 2 DIRECTIONS

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Product Specifications:

| Ukuran   |
|----------|
| 600 Kg   |
| 800 Kg   |
| 1,000 Kg |





# Chain hoist

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| Model       | Speed Lifting | Voltage          | Frequency | Frequency |
|-------------|---------------|------------------|-----------|-----------|
| 1 Ton x 6m  | 6,6m / min    | 220 V /<br>380 V | 50 Hz     | Copper    |
| 2 Ton x 6m  | 6,6m / min    |                  |           |           |
| 3 Ton x 6m  | 5,4m / min    |                  |           |           |
| 5 Ton x 6m  | 2,7m / min    |                  |           |           |
| 10 Ton x 6m | 2,7m / min    |                  |           |           |

# Webbing Sling

TYPE

Safety Factor 7:1

Ukuran x Panjang

|          |          |          |
|----------|----------|----------|
| 1T x 1m  | 4T x 1m  | 8T x 3m  |
| 1T x 2m  | 4T x 2m  | 8T x 4m  |
| 1T x 3m  | 4T x 3m  | 8T x 5m  |
| 1T x 4m  | 4T x 4m  | 8T x 6m  |
| 1T x 5m  | 4T x 5m  | 8T x 8m  |
| 1T x 6m  | 4T x 6m  | 8T x 10m |
| 1T x 8m  | 4T x 8m  | -        |
| 1T x 10m | 4T x 10m | -        |

|          |          |           |
|----------|----------|-----------|
| 2T x 1m  | 5T x 1m  | 10T x 3m  |
| 2T x 2m  | 5T x 2m  | 10T x 4m  |
| 2T x 3m  | 5T x 3m  | 10T x 5m  |
| 2T x 4m  | 5T x 4m  | 10T x 6m  |
| 2T x 5m  | 5T x 5m  | 10T x 8m  |
| 2T x 6m  | 5T x 6m  | 10T x 10m |
| 2T x 8m  | 5T x 8m  | 10T x 12m |
| 2T x 10m | 5T x 10m | -         |

|          |          |           |
|----------|----------|-----------|
| 3T x 1m  | 6T x 1m  | 12T x 3m  |
| 3T x 2m  | 6T x 2m  | 12T x 4m  |
| 3T x 3m  | 6T x 3m  | 12T x 6m  |
| 3T x 4m  | 6T x 4m  | 12T x 8m  |
| 3T x 5m  | 6T x 5m  | 12T x 10m |
| 3T x 6m  | 6T x 6m  | 12T x 12m |
| 3T x 8m  | 6T x 8m  | -         |
| 3T x 10m | 6T x 10m | -         |

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# Ratchet Tie Down

## WARNINGS

- Tension ratched by hand **ONLY**.
- **NEVER** use extension or “cheater” bars to tension the unit and could cause harm or serious injury to the user.
- Use **ONLY** legibly marked webbing.
- Lashing system should **NEVER** be overloaded.
- Webbing **SHOULD** be withdrawn from service if it shows nicks and abrasions in load bearing fibres.
- **DO NOT** tie knots in webbing.
- **KEEP AWAY** from any chemicals or excessive heat (100 C+).
- **ALWAYS** use corner protectors over sharp edges of loads.
- This product is designed for securing loads based on the Load Restraint Guide.
- **NOT TO BE USED FOR ANY INDUSTRIAL LIFTING PURPOSE.**

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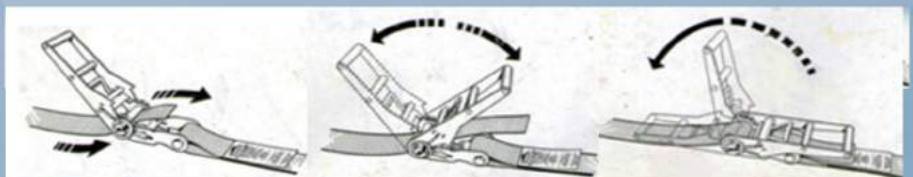


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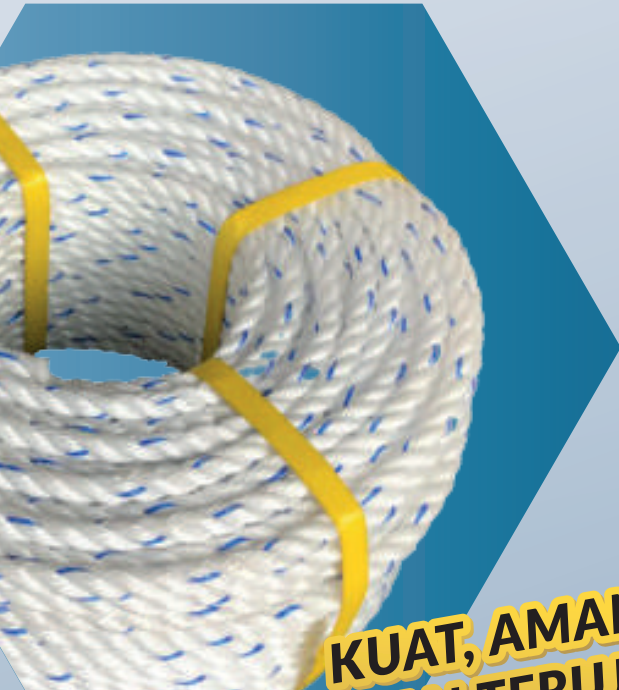


| Bahan | Ukuran  | Panjang |
|-------|---------|---------|
| PP    | 1"      | 5m      |
| PP    | 2"      | 10m     |
| PP    | 2"      | 12m     |
| PE    | 2" (5T) | 8m      |
| PE    | 2" (5T) | 10m     |
| PE    | 2" (5T) | 12m     |

## INSTRUCTIONS



# PP ROPE



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PP ROPE

Our products have quality assurance.



Normal Rope

| UKURAN               | PANJANG / ROL | CIR SIZE | COLOR        |
|----------------------|---------------|----------|--------------|
| 6mm x 3 / 4 Strands  | 220m / 440m   | 3/4      | White & Blue |
| 8mm x 3 / 4 Strands  | 220m / 440m   | 1        | White & Blue |
| 10mm x 3 / 4 Strands | 220m / 440m   | 1 1/4    | White & Blue |
| 12mm x 3 / 4 Strands | 220m / 440m   | 1 1/2    | White & Blue |
| 14mm x 3 / 4 Strands | 220m / 440m   | 1 3/4    | White & Blue |
| 16mm x 3 / 4 Strands | 220m / 440m   | 2        | White & Blue |
| 18mm x 3 / 4 Strands | 220m / 440m   | 2 1/4    | White & Blue |
| 20mm x 3 / 4 Strands | 220m / 440m   | 2 1/2    | White & Blue |
| 22mm x 3 / 4 Strands | 220m          | 2 3/4    | White & Blue |
| 24mm x 3 / 4 Strands | 220m          | 3        | White & Blue |
| 28mm x 3 / 4 Strands | 220m          | 3 1/2    | White & Blue |
| 30mm x 3 / 4 Strands | 220m          | 3 3/4    | White & Blue |
| 32mm x 3 / 4 Strands | 220m          | 4        | White & Blue |
| 36mm x 3 / 4 Strands | 220m          | 4 1/2    | White & Blue |
| 38mm x 3 / 4 Strands | 220m          | 4 3/4    | White & Blue |
| 40mm x 3 / 4 Strands | 220m          | 5        | White & Blue |
| 48mm x 4 Strands     | 220m          | 6        | White & Blue |
| 56mm x 4 / 8 Strands | 220m          | 7        | White & Blue |
| 64mm x 8 Strands     | 220m          | 8        | White & Blue |
| 72mm x 8 Strands     | 220m          | 9        | White & Blue |
| 80mm x 8 Strands     | 220m          | 10       | White & Blue |
| 96mm x 8 Strands     | 220m          | 12       | White & Blue |



# Rubber Sheet

TYPE

## Paking Karet Terpal (Benang)

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| Ukuran<br>(mm) | Berat<br>(kg) |
|----------------|---------------|
| 2              | 50            |
| 3              | 50            |
| 4              | 50            |
| 5              | 50            |
| 6              | 50            |
| 8              | 50            |
| 10             | 50            |



TYPE

## Paking Karet Terpal (Polos)

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| Ukuran<br>(mm) | Berat<br>(kg) |
|----------------|---------------|
| 2              | 50            |
| 3              | 50            |
| 4              | 50            |
| 5              | 50            |
| 6              | 50            |
| 8              | 50            |
| 10             | 50            |
| 12             | 100           |
| 15             | 100           |
| 18             | 100           |
| 20             | 100           |
| 22             | 100           |



# Flat Transmission Belt

## Application:

Used to transmit momentum and promote the materials, apply to engine, air-blower, lifting machine, water pump and threshing machine, and etc.



## Features:

High strength canvas to the framework material, hang with good quality rubber material, high intensity and transmission power, excellent flexibility, no slide, cross transmission is available. Easy to stitch, little elongation, durable.

### \* Round edged flat transmission belt:

The outermost layer canvas or multilayer canvas of round edged transmission belt wrapped up, the side of the belts' curved.

### \* Cut edged flat transmission belt:

Cut edged transmission belt is made by adhering several layers of full width canvas together. The sides of the belt are flat surfaces by cutting. The edges of belt are coated with rubber paste.

## Physical Properties:

1. Overall thickness tensile strength of transmission belt.

| Tensile Strength Specification | Overall Thickness Tensile Strength |                    | Reference Number of Canvas Layers |
|--------------------------------|------------------------------------|--------------------|-----------------------------------|
|                                | Vertical Minimum                   | Horizontal Minimum |                                   |
| 190                            | 190                                | 75                 | 3                                 |
| 240                            | 240                                | 95                 | 4                                 |
| 290                            | 290                                | 115                | 5                                 |
| 340                            | 340                                | 130                | 6                                 |
| 385                            | 385                                | 225                | 7                                 |
| 425                            | 425                                | 250                | 8                                 |
| 450                            | 450                                | /                  | 9                                 |
| 500                            | 500                                | /                  | 10                                |

2. Elongation at break: in vertical tensile test, the elongation at break should not exceed 20%.

3. Adhesion strength: adhesion between flat belt layers is no less than 3.0KN/M.





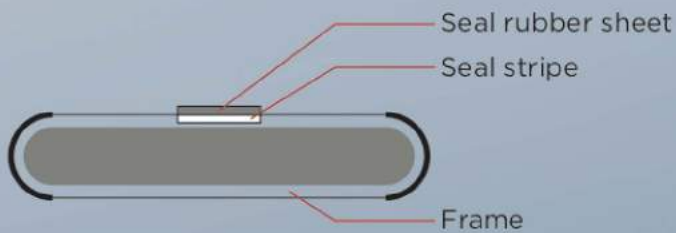
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DAN TERUJI**



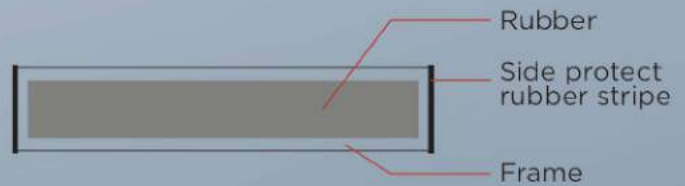
### Product Specifications:

| Width<br>(mm)                          | Plies  | Width Tolerance<br>(mm) |
|----------------------------------------|--------|-------------------------|
| 20, 25, 30, 40, 45, 50, 55, 60         | 3 - 4  | $\pm 2$                 |
| 65, 70, 75, 80, 90, 100, 125           | 3 - 6  | $\pm 3$                 |
| 140, 160, 180, 200, 224, 225           | 4 - 6  | $\pm 4$                 |
| 288, 300, 315, 350, 400, 450, 550, 600 | 4 - 10 | $\pm 5$                 |

### Round edged flat transmission belt:



### Cut edged flat transmission belt:



# Selang Buang/ PVC Sunny Hose

## TYPE PVC Water Delivery Hose

| Diameter<br>(in) | Panjang<br>(m/rol) | Working Pressure<br>(BAR) |   |   |   |    |
|------------------|--------------------|---------------------------|---|---|---|----|
| 2"               | 50                 | 2                         | 3 | 4 | - | -  |
| 3"               | 50                 | 2                         | 3 | 4 | - | 10 |
| 4"               | 50                 | 2                         | - | - | 8 | 10 |
| 6"               | 50                 | 2                         | - | - | - | -  |
| 8"               | 50                 | 2                         | - | - | - | -  |

| Diameter<br>(in) | Panjang<br>(m/rol) | Working Pressure<br>(BAR) |   |   |   |    |
|------------------|--------------------|---------------------------|---|---|---|----|
| 2"               | 100                | 2                         | 3 | 4 | - | -  |
| 3"               | 100                | 2                         | 3 | 4 | - | 10 |
| 4"               | 100                | 2                         | 3 | - | 8 | 10 |
| 6"               | 100                | 2                         | 3 | - | - | -  |
| 8"               | 100                | 2                         | 3 | - | - | -  |

### Description:

1. Product specifications from 1 inch to 8 inch, the highest burst pressure range from bar 12 to bar 30.
2. An economical discharge hose for agriculture, construction or mining.
3. Stays flexible at -5°F.
4. Non-water absorbing.
5. PVC tube with high grade cord fabric reinforcement.
6. Use for general purpose water discharge applications.
7. Ideal for use as a drip irrigation supply line.

### Features:

1. Choose high-strength dacron line, high quality PVC raw material.
2. One-step molding product, lining and plastic coated process once complete and more uniform distribution of raw materials, no crystal point, without air hole, inside and outside the wall smooth.
3. Product acid corrosion resistance, high working pressure, anti aging, non-toxic, extension ability.
4. Working temperature -10 °C to 65 °C

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# Selang Spiral

TYPE **PVC Water Delivery Hose**

| Diameter<br>(in) | Panjang<br>(m/rol) |
|------------------|--------------------|
| 1                | 50                 |
| 1 - 1/4          | 50                 |
| 1 - 1/2          | 50                 |
| 1 - 3/4          | 50                 |
| 2                | 50                 |
| 2 - 1/4          | 50                 |
| 2 - 1/2          | 50                 |
| 3                | 50                 |
| 3 - 1/2          | 25                 |
| 4                | 25                 |
| 4 - 1/2          | 25                 |
| 5                | 20                 |
| 6                | 20                 |
| 8                | 6                  |
| 10               | 6                  |
| 12               | 6                  |

## Features:

1. Anti Corrosion, anti-oxidation, strong pressure resistance, thickened interface, better anti-sucking ability.
2. Corrugated design, strong stretchability, easy to store and use.
3. The double layer hose had good hardness and can float on the surface of the water and move easily, and will not stir the bottom of the spoils and affect the suction of pollution.
4. Useful in Industry and Construction.
5. Water Supply in Agriculture and Irrigation.
6. Ventilation and Air Conditioning.
7. Air Suction in Buildings, Factories, and Mines.
8. Normal Irrigation - General Pumping.
9. Conveyance and Delivery of waste, slurry, and sludge.
10. Suitable for the Cultivation of plants and Marine Industries.



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DAN TERUJI**

## Applications:

1. Combined with other vacuum machine equipment, the vacuum can suck underwater pollution from the swimming pool, landscape pool, and fish pond, and play the role of cleaning the bottom of the surface.
2. Crack Resistant.
3. Easy to handle.
4. Low operation cost.
5. Strong and Durable.
6. Light Weight and Flexible.
7. Better Flow Characteristic.

# PVC Wire Spring Hose

**TYPE** Soft PVC With Steel Coiling

## Features:

1. High pressure-resistance.
2. High external-pressure-resistance.
3. Good transparency.
4. Excellent oil resistance and chemical resistance.
5. Flexible.
6. Light weight than rubber or metal.
7. No scaling.
8. General piping compatible with a wide range of fluids including water, oil, chemical and air.
9. Safe and secure.
10. Resistant to bending and collapse. Secure Operations without blocking the fluid.
11. Highly transparent and provides security in fluid verification.
12. Excellent oil resistance performance and prevents hardening of the hose, providing a long service life.

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DAN TERUJI**



## Applications:

1. As water hose or oil hose.
2. As suction hose.
3. As anti-corrosion and chemical hose.
4. General purpose and household hose.

| Diameter<br>(in) | ID x OD<br>(mm x mm) | Thickness<br>(mm) | Working Pressure<br>(MPa) | Breaking Pressure<br>(MPa) | Working Temperature<br>Range (°C) | Panjang<br>(m/rol) | Berat<br>(kg/rol) |
|------------------|----------------------|-------------------|---------------------------|----------------------------|-----------------------------------|--------------------|-------------------|
| 1/4              | 6 x 11               | 2,5               | -0,1 — 0,8                | 2,0                        | -5 — 60                           | 100                | 11                |
| 6/16             | 8 x 13,5             | 2,75              | -0,1 — 0,8                | 2,0                        | -5 — 60                           | 100                | 14                |
| 3/8              | 9 x 15               | 3                 | -0,1 — 0,8                | 2,0                        | -5 — 60                           | 100                | 17                |
| 1/2              | 12 x 18              | 3                 | -0,1 — 0,5                | 1,8                        | -5 — 60                           | 100                | 23                |
| 5/8              | 15 x 22              | 3                 | -0,1 — 0,5                | 1,8                        | -5 — 60                           | 100                | 26                |
| 3/4              | 19 x 25              | 3                 | -0,1 — 0,5                | 1,5                        | -5 — 60                           | 100                | 32                |
| 1                | 25 x 32              | 3,5               | -0,1 — 0,4                | 1,5                        | -5 — 60                           | 50                 | 24,5              |
| 1 - 1/4          | 32 x 41              | 4,5               | -0,1 — 0,4                | 1,1                        | -5 — 60                           | 50                 | 39,5              |
| 1 - 1/2          | 38 x 48              | 5                 | -0,1 — 0,4                | 1,1                        | -5 — 60                           | 50                 | 52                |
| 1 - 3/4          | 45 x 55              | 5                 | -0,1 — 0,4                | 1,1                        | -5 — 60                           | 50                 | 60                |
| 2                | 50 x 60              | 5                 | -0,1 — 0,4                | 1,1                        | -5 — 60                           | 50                 | 67                |
| 2 - 1/4          | 57 x 69              | 6                 | -0,1 — 0,4                | 1,1                        | -5 — 60                           | 50                 | 93,5              |
| 2 - 1/2          | 63 x 75              | 6                 | -0,1 — 0,4                | 1,1                        | -5 — 60                           | 50                 | 103,5             |
| 3                | 76 x 90              | 7                 | -0,1 — 0,3                | 0,8                        | -5 — 60                           | 50                 | 145               |
| 3 - 1/4          | 82 x 96              | 7                 | -0,1 — 0,3                | 0,8                        | -5 — 60                           | 50                 | 130               |
| 4                | 100 x 114            | 7                 | -0,1 — 0,3                | 0,8                        | -5 — 60                           | 30                 | 115               |
| 5                | 127 x 141            | 7                 | -0,1 — 0,3                | 0,6                        | -5 — 60                           | 30                 | 150               |
| 6                | 153 x 169            | 8                 | -0,1 — 0,3                | 0,6                        | -5 — 60                           | 30                 | 225               |



# PVC Reinforced Hose

**TYPE** Soft PVC With Reinforced Coiling

## Features:

1. High pressure-resistance.
2. High external-pressure-resistance.
3. Good transparency.
4. Excellent oil resistance and chemical resistance.
5. Flexible.
6. Light weight than rubber or metal.
7. No scaling.

## Applications:

1. As water hose or oil hose.
2. As suction hose.
3. As anti-corrosion and chemical hose.
4. General purpose and household hose.

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DAN TERUJI**



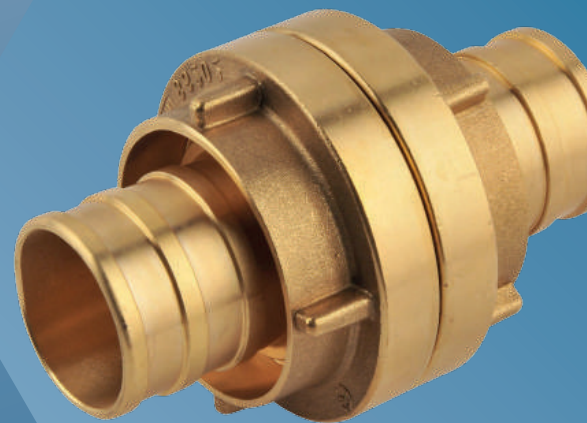
| Diameter<br>(in) | Thickness<br>(mm) | Length<br>(m) | Berat<br>(g/m) | Working Temperature<br>(C°) | Working Pressure<br>(mpa) |
|------------------|-------------------|---------------|----------------|-----------------------------|---------------------------|
| 1/2              | 2,5               | 100           | 160            | -5 — 60                     | 0 ~ 1.0                   |
| 5/8              | 2,75              | 100           | 195            | -5 — 60                     | 0 ~ 1.0                   |
| 3/4              | 3                 | 100           | 260            | -5 — 60                     | 0 ~ 1.0                   |
| 3/4              | 3                 | 100           | 320            | -5 — 60                     | 0 ~ 1.0                   |
| 1                | 3                 | 50            | 410            | -5 — 60                     | 0 ~ 1.0                   |
| 1                | 3                 | 50            | 490            | -5 — 60                     | 0 ~ 1.0                   |
| 1 - 1/4          | 3,5               | 50            | 600            | -5 — 60                     | 0 ~ 1.0                   |
| 1 - 1/4          | 4,5               | 50            | 790            | -5 — 60                     | 0 ~ 1.0                   |
| 1 - 1/2          | 5                 | 50            | 80             | -5 — 60                     | 0 ~ 1.0                   |
| 1 - 1/2          | 5                 | 50            | 1040           | -5 — 60                     | 0 ~ 1.0                   |
| 1 - 3/4          | 5                 | 50            | 940            | -5 — 60                     | 0 ~ 1.0                   |
| 1 - 3/4          | 6                 | 50            | 1200           | -5 — 60                     | 0 ~ 1.0                   |
| 2                | 6                 | 50            | 1040           | -5 — 60                     | 0 ~ 1.0                   |
| 2                | 7                 | 50            | 1340           | -5 — 60                     | 0 ~ 1.0                   |
| 2 - 1/4          | 7                 | 50            | 1500           | -5 — 60                     | 0 ~ 1.0                   |
| 2 - 1/4          | 7                 | 50            | 1870           | -5 — 60                     | 0 ~ 1.0                   |
| 2 - 1/2          | 7                 | 50            | 1700           | -5 — 60                     | 0 ~ 1.0                   |
| 2 - 1/2          | 8                 | 50            | 2070           | -5 — 60                     | 0 ~ 1.0                   |
| 3                | 5                 | 50            | 2030           | -5 — 60                     | 0 ~ 1.0                   |
| 3                | 7                 | 50            | 2900           | -5 — 60                     | 0 ~ 1.0                   |
| 4                | 7                 | 30            | 3830           | -5 — 60                     | 0 ~ 1.0                   |
| 5                | 7                 | 30            | 9060           | -5 — 60                     | 0 ~ 1.0                   |
| 6                | 8                 | 30            | 11000          | -5 — 60                     | 0 ~ 1.0                   |

# Fire Hose



**KUAT, AMAN  
DAN TERUJI**

| Model                            | Fire Hose 1.5"           | Fire Hose 2.5" |
|----------------------------------|--------------------------|----------------|
| Ukuran                           | 1.5"                     | 2.5"           |
| Panjang                          | 20m                      | 30m            |
| Working Pressure                 | 15 Bar                   |                |
| Bursting Pressure                | 45 Bar                   |                |
| Bursting Condition               | $\geq 4.8\text{Mpa}$     |                |
| Permukaan Selang                 | Selang Terlipat Gulungan |                |
| Bahan Selang                     | Duraline Rubber          |                |
| Roll Machino Coupling            | 1.5" (2 pcs)             | 2.5" (2 pcs)   |
| Other sizes available by request |                          |                |





# Hose CLAMP

**KUAT, AMAN  
DAN TERUJI**

## HEAVY DUTY HOSE CLAMP

| Bandwidth<br>*thickness | Size    | Pcs/ box |
|-------------------------|---------|----------|
| 18*0.6                  | 17-19   | 50       |
|                         | 20-22   | 50       |
|                         | 23-25   | 50       |
|                         | 26-28   | 50       |
| 20*0.8                  | 29-31   | 25       |
|                         | 32-35   | 25       |
|                         | 36-39   | 25       |
|                         | 39-41   | 25       |
|                         | 40-43   | 25       |
| 22*1.2                  | 44-47   | 25       |
|                         | 48-51   | 20       |
|                         | 52-55   | 20       |
|                         | 56-59   | 20       |
|                         | 60-63   | 20       |
|                         | 64-67   | 20       |
| 24*1.5                  | 68-73   | 10       |
|                         | 74-79   | 10       |
|                         | 80-85   | 10       |
|                         | 86-91   | 10       |
|                         | 92-97   | 10       |
|                         | 98-103  | 10       |
|                         | 104-112 | 10       |
|                         | 113-121 | 10       |
|                         | 122-130 | 10       |
| 26*1.7                  | 131-139 | 5        |
|                         | 140-148 | 5        |
|                         | 149-161 | 5        |
|                         | 162-174 | 5        |
|                         | 175-187 | 5        |
|                         | 188-200 | 5        |
|                         | 201-213 | 5        |

| SS304 (W4) American type hose clamp |                |          |
|-------------------------------------|----------------|----------|
| Bandwidth<br>*thickness             | Size           | Pcs/ box |
| 8*0.6mm                             | 1/2" 8-12      | 200      |
|                                     | 5/8" 10-16     | 200      |
|                                     | 3/4" 13-19     | 200      |
|                                     | 7/8" 16-23     | 200      |
|                                     | 1" 16-25       | 200      |
| 12.7*0.6mm                          | 1-1/4" 17-32   | 100      |
|                                     | 1-1/2" 21-38   | 100      |
|                                     | 1-3/4" 21-44   | 100      |
|                                     | 2" 27-51       | 100      |
|                                     | 2-1/4" 33-57   | 100      |
|                                     | 2-1/2" 40-63   | 100      |
|                                     | 2-3/4" 46-70   | 100      |
|                                     | 3" 52-76       | 50       |
|                                     | 3-1/2" 65-89   | 50       |
|                                     | 4" 78-101      | 50       |
|                                     | 4-1/2" 91-114  | 50       |
|                                     | 5" 105-127     | 50       |
|                                     | 5-1/2" 118-140 | 50       |
|                                     | 6" 130-152     | 50       |
|                                     | 6-1/2" 140-165 | 25       |
|                                     | 7" 150-175     | 25       |
|                                     | 8" 175-200     | 25       |
|                                     | 10" 225-250    | No Box   |
|                                     | 12" 275-300    |          |
|                                     | 14" 316-356    |          |
|                                     | 15" 341-381    |          |
|                                     | 16" 366-406    |          |
|                                     | 18" 417-457    |          |
|                                     | 20" 468-508    |          |

| SS201 (W2) American type hose clamp |                |          |
|-------------------------------------|----------------|----------|
| Bandwidth<br>*thickness             | Size           | Pcs/ box |
| 8*0.6mm                             | 1/2" 8-12      | 200      |
|                                     | 5/8" 10-16     | 200      |
|                                     | 3/4" 13-19     | 200      |
|                                     | 7/8" 16-23     | 200      |
|                                     | 1" 16-25       | 200      |
| 12.7*0.6mm                          | 1-1/4" 17-32   | 100      |
|                                     | 1-1/2" 21-38   | 100      |
|                                     | 1-3/4" 21-44   | 100      |
|                                     | 2" 27-51       | 100      |
|                                     | 2-1/4" 33-57   | 100      |
|                                     | 2-1/2" 40-63   | 100      |
|                                     | 2-3/4" 46-70   | 100      |
|                                     | 3" 52-76       | 50       |
|                                     | 3-1/2" 65-89   | 50       |
|                                     | 4" 78-101      | 50       |
|                                     | 4-1/2" 91-114  | 50       |
|                                     | 5" 105-127     | 50       |
|                                     | 5-1/2" 118-140 | 50       |
|                                     | 6" 130-152     | 50       |
|                                     | 6-1/2" 140-165 | 25       |
|                                     | 7" 150-175     | 25       |
|                                     | 8" 175-200     | 25       |
|                                     | 10" 225-250    | No Box   |
|                                     | 12" 275-300    |          |



# Diesel Silent Generator

**KUAT, AMAN  
DAN TERUJI**



**MARINE TECH**



| Model               | MT20FDS                         | MT30FDS        | MT40FDS       | MT50FDS       |
|---------------------|---------------------------------|----------------|---------------|---------------|
| Engine Model        | FAW 4DW91-29D                   | FAW 4DW92-39D  | FAW 4DX21-53D | FAW 4DX22-65D |
| Alternator Type     | Brushless Factory Assembly      |                |               |               |
| Controller          | SMARTGEN HGM 6110               |                |               |               |
| Battery             | 60Ah x 1                        |                |               |               |
| Frequency & Voltage | 50 Hz / 380-220 V (Three Phase) |                |               |               |
| Engine Oil Type     | SAE 10W-40 / 15W-40             |                |               |               |
| Cooling System      | Water Coolant System            |                |               |               |
| Prime Power         | 16kW / 20KVA                    | 24kW / 30KVA   | 30kW / 38KVA  | 40kW / 50KVA  |
| Standby Power       | 17.6kW / 22KVA                  | 26.5kW / 33KVA | 33kW / 41KVA  | 44kW / 55KVA  |
| #Engine Cylinder    | 4 Cylinder - 1800rpm            |                |               |               |
| Fuel Tank (L)       | 140 L                           | 200 L          |               | 250 L         |
| Fuel Consumption/h  | +/- 5.8 L / h                   | +/- 6.6 L / h  | +/- 8.3 L / h | +/- 11 L / h  |
| Noise Sound @ 5m    | 68 - 72db                       |                |               |               |
| Dimension           | 2000*750*1200                   | 2500*800*1450  |               | 2600*950*1510 |
| Displacement cbm    | 1.8 cbm                         | 2.9 cbm        |               | 3.8 cbm       |
| Weight              | 750 kg                          | 830 kg         | 1050 kg       | 1150 kg       |
| ATS / OCS           | 63A                             | 80A            |               | 100A          |



# Diesel Silent Generator

**KUAT, AMAN  
DAN TERUJI**



**MARINE TECH**



| Model               | MT6800D                       | MT10000D     | MT12000D        | MT15000D     |
|---------------------|-------------------------------|--------------|-----------------|--------------|
| Engine Model        | MT 186FA                      | MT 1100      | MT 80E-V        | MT2-V92      |
| Altenator Type      | Brushless Factory Assembly    |              |                 |              |
| Controller          | N/A                           |              | SMARTGEN        |              |
| Frequency & Voltage | 50 Hz & 220 / 380V - 3000 rpm |              |                 |              |
| Engine Oil Type     | SAE 10W - 40 / 15W - 40       |              |                 |              |
| Single Phase Output | 5kW / 5KVA                    | 8kW / 8KVA   | 9kW / 9KVA      | 12kW / 12KVA |
| Three Phase Output  | -                             | 8kW / 10KVA  | 9kW / 11KVA     | 12kW / 15KVA |
| #Engine Cylinder    | Single Cylinder               |              | V Twin Cylinder |              |
| Cooling System      | Air Cooled - Direct Injection |              | Water Coolant   | Air Cooled   |
| Fuel Tank (L)       | 20 L                          | 25 L         | 30 L            |              |
| Noise Sound @ 5m    | 72 - 74 db                    |              |                 |              |
| Dimension           | 950*565*770                   | 1050*650*800 | 1250*650*800    |              |
| Weight              | 155 kg                        | 236 kg       | 300 kg          | 340 kg       |

# Gasoline Open Model Generator

**KUAT, AMAN  
DAN TERUJI**



| Model                       | MT3500E               | MT6500E     | MT8500E                    | MT12000E                     | MT17000E                     |
|-----------------------------|-----------------------|-------------|----------------------------|------------------------------|------------------------------|
| Displacement                | 212cc                 | 420cc       | 457cc                      | 713cc                        | 999cc                        |
| Voltage                     | 220V                  |             | 220V/380V                  |                              |                              |
| Rated Power<br>Single Phase | 2.8kW                 | 5.5kW       | 7.5kW / 9KVA<br>8kW / 8KVA | 11kW / 14KVA<br>11kW / 11KVA | 15kW / 18KVA<br>15kW / 15KVA |
| Maximum Power               | 3.0kW                 | 6.5kW       | 8.3kW / 10KVA              | 12kW / 15KVA                 | 17kW / 21KVA                 |
| Frequency                   | 50Hz                  |             |                            |                              |                              |
| Oil Type                    | SAE 10W30             |             |                            |                              |                              |
| Oil Capacity                | 0.6L                  | 1.1L        |                            | 2.3L                         | 5L                           |
| Fuel Tank Capacity          | 15L                   | 25L         | 30L                        | 40L                          | 65L                          |
| Starter System              | Electric Starter Only |             |                            |                              |                              |
| Net Weight                  | 47kg                  | 90kg        | 92kg                       | 150kg                        | 265kg                        |
| Dimension (mm)              | 620*495*500           | 795*580*600 | 810*570*600                | 910*610*910                  | 995*685*975                  |



# Gasoline Inverter Silent Generator



**KUAT, AMAN  
DAN TERUJI**

| Model               | MT2500iS                                   | MT4500iS   |
|---------------------|--------------------------------------------|------------|
| Rated Voltage       | 220V                                       |            |
| Rated Frequency     | 50Hz                                       |            |
| Rated Power         | 2000W                                      | 3500W      |
| Maximum Power       | 2200W                                      | 4000W      |
| Displacement        | 98cc                                       | 224cc      |
| Engine Type         | Single Cylinder, 4 Stroke, OHV, Air Cooled |            |
| Engine Oil Type     | SAE 10W30                                  |            |
| Engine Oil Capacity | 350ml                                      | 550ml      |
| Fuel Tank Capacity  | 4.5L                                       | 13L        |
| Noise Level         | 63dB at 7m                                 | 61dB at 7m |



**KUAT, AMAN  
DAN TERUJI**

# Gasoline Water Pump



**KUAT, AMAN  
DAN TERUJI**



| Model                              | Gasoline Water Pump 2" | Gasoline Water Pump 3" |
|------------------------------------|------------------------|------------------------|
| Engine Model                       | MT200                  |                        |
| Displacement                       | 212                    |                        |
| Diameter of in Pipe (mm/in)        | 50/2.0                 | 80/3.0                 |
| Diameter of out pipe (mm/in)       | 50/2.0                 | 80/3.0                 |
| Weight                             | 23kg                   | 35kg                   |
| LxWxH (mm/in)                      | 20.5x18.9x18           | 24.6x18.7x18.5         |
| Lift (m)                           | 32                     | 28                     |
| Volume of Flow (m <sup>3</sup> /h) | 28                     | 58                     |
| Rated Speed (rpm)                  | 3600                   |                        |
| Oil Capacity (L/gal)               | 0.6/0.16               |                        |
| Fuel Tank Capacity (L/gal)         | 3.6/0.95               |                        |



# Power Sprayer 2 in 1 Manual & Electric



**KUAT, AMAN  
DAN TERUJI**



| Model              | MS168                  |
|--------------------|------------------------|
| Power Usage Time   | 4.5 - 5 Hours          |
| Tank Capacity      | 16L                    |
| Pumps Capacity     | 3.1L / Min             |
| Battery (Included) | 8Ah                    |
| Lance              | Adjustable (1.3 meter) |
| Gross Weight       | 6.8kg                  |



# Chains

## Galvanish & Lifting



**KUAT, AMAN  
DAN TERUJI**

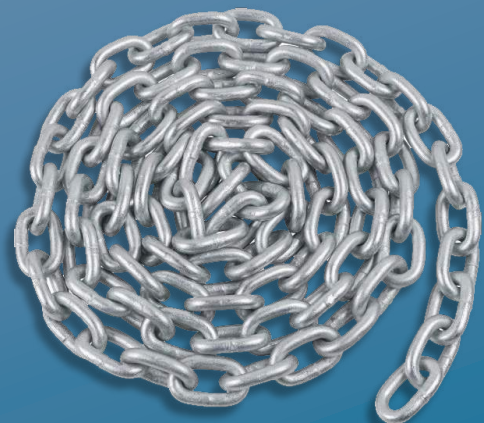


### G 80 Lifting Chains

| Size  | Weight/meter (kg) |
|-------|-------------------|
| 6*18  | 0,8               |
| 8*24  | 1,37              |
| 10*30 | 2,2               |
| 13*39 | 3,7               |

### Galvanish Chain

| Size | Weight |
|------|--------|
| 3mm  | 47kg   |
| 5mm  | 47kg   |
| 6mm  | 47kg   |
| 8mm  | 47kg   |
| 10mm | 47kg   |
| 12mm | 47kg   |
| 16mm | 47kg   |





# Tungsten Electrode

KUAT, AMAN  
DAN TERUJI



| Size   | Length | Pack |
|--------|--------|------|
| 1,6mm  | 175    | 10   |
| 2,4 mm | 175    | 10   |
| 3,2 mm | 175    | 10   |



PT. INDO BAJA MANDIRI

