



MULCINDO PRODUCT





Overview

PT Multi Colour Indah Indonesia (MULCINDO) was established in 1980 in Surabaya. In 2011, the company relocated to a strategic area in Gresik City, East Java, occupying a total area of 53,500 m².

We are a manufacturing company and trusted partner in the commercial building materials, industrial, and infrastructure sectors. Committed to quality and innovation, we continuously deliver reliable solutions to support the growth and development of various construction projects across Indonesia.

Our company specializes in the manufacturing and supply of steel products, including light steel framing, corrugated roofing sheets, floor decking, lighting poles, road barriers, bridges, towers, welded beams, and steel grating.



Vision & Mission

To become a trusted steel manufacturing company that provides high-quality products and services through continuous innovation, with a strong commitment to achieving customer satisfaction.

Quality Policy

MULCINDO is committed to realizing its motto, "Building with Pride," through the following principles:

- Manufacturing high-quality steel products, delivered on time at competitive prices.
- Creating optimal value for customers, shareholders, employees, and the community.
- Continuously improving performance through increasingly productive, effective, and efficient processes.



Mulcindo Product

Building Materials

- Metal Framing Systems	01
- Corrugated Roofing Sheets	03
- Metal & Stone-Coated Roofing Tiles	05
- Floor Decking	07
- Corrugated Steel Pipes	09
- C-Channels	10
- Steel Grating	11

Infrastructure

- Lighting Poles	13
- Guardrails	15
- Road Barriers & Delineators	17
- Welded Beams	19
- Mulcindo Bridge	21

Mulcindo Services

- Slitting Line Services	23
- Plate Cutting, Shearing, Bending & Forming	24
- Steel Fabrication & Angle Steel Fabrication	25
- Hot-Dip Galvanizing, Sandblasting & Painting	27
- Warehousing Services	28

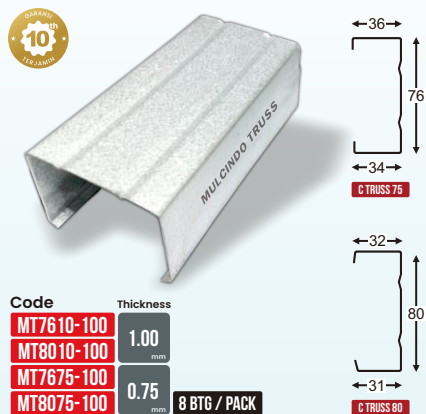
Light Steel Framing

WITH SAFE AND RELIABLE STRUCTURAL CALCULATIONS

PRODUCED
SINCE
1980

ROOF TRUSS

mulcindotruss



mulcindotruss

COMPACT



RENG BATTEN HAT



LENGTH 6 Meters

mulcindotruss

Zinc Coated AZ 150

mulcindo**truss** Designed with a classic profile, ensuring a more proportional and solid frame construction.

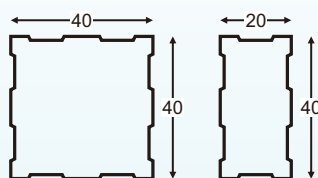
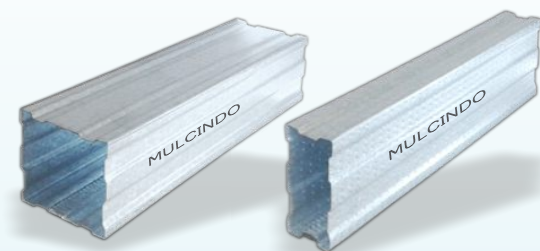
QSS
QUICK SERIES SYSTEM

CEILING FRAMING

MULCINDO
HOLLOW FRAME

COATING AZ 70

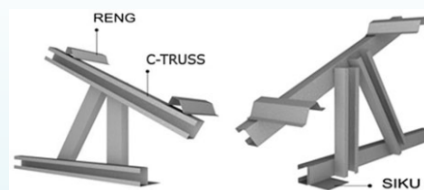
LENGTH 4 Meters



MULCINDO HOLLOW

TKDN 64,33%

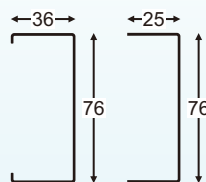
How to Install



Recommended truss spacing is 1 meter

MULCINDO
PARTITION FRAME

LENGTH 3 Meters



METAL STUD

METAL RUNNER

Installation Spacing

1200 x 600 mm
For Gypsum

1200 x 400 mm
For PVC



Strong
& Safe



Fast and
Practical



Precise
Dimensions



Affordable
Price



SNI
8399 : 2017



SNI
4096 : 2007



Quality
ISO 9001
SAI GLOBAL



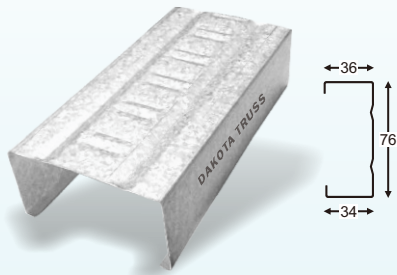
Zinc Aluminium Coated (ZAC / GL)

ROOF TRUSS

COATING **AZ 70**

LENGTH **6 Meters**

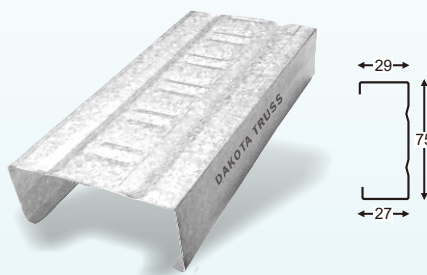
DAKOTA TRUSS



Code **DT7675-70** Thickness **0.75 mm** **8 BTG / PACK**

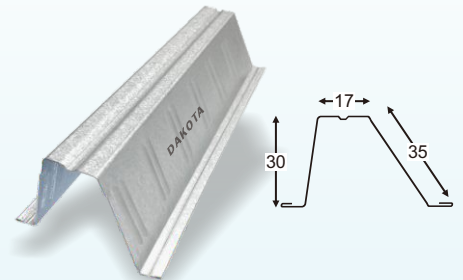
DAKOTA TRUSS

COMPACT



Code **DT7575-M-70** Thickness **0.75 mm** **8 BTG / PACK**

RENG BATTEN HAT

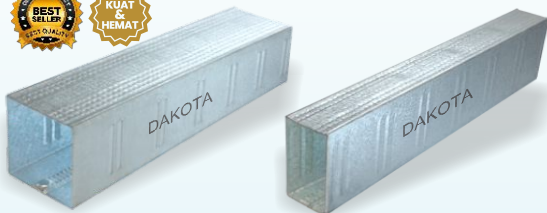


CODE **DT3035-70** **DT3040-70** **DT3045-70** **10 BTG / PACK**
THICKNESS **0.35 mm** **0.40 mm** **0.45 mm**

CEILING FRAMING

DAKOTA HOLLOW FRAME

LENGTH **4 Meters**



CODE **1725** **1730** **1735** **20 BTG / PACK**
3425 **3430** **3435** **10 BTG / PACK**
THICKNESS **0.25 mm** **0.30 mm** **0.35 mm**

TKDN 61,02%

ANGLE

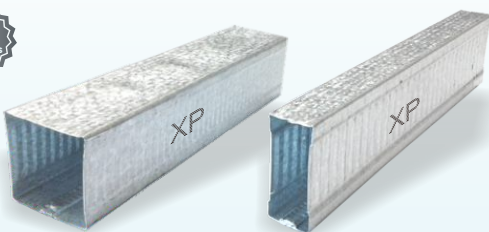
LENGTH **3 Meters**



KODE **1925** **1930** **50 BTG / PACK**
THICKNESS **0.25 mm** **0.30 mm**

XP Hollow Frame

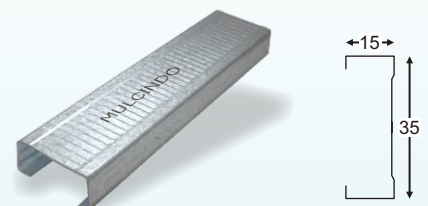
LENGTH **4 Meters**



CODE **1525** **1530** **20 BTG / PACK**
3325 **3330** **10 BTG / PACK**
THICKNESS **0.25 mm** **0.30 mm**

MINI FURRING

LENGTH **4 Meters**



KODE **3830** **3835** **20 BTG / PACK**
THICKNESS **0.30 mm** **0.35 mm**

CAN HOLLOW

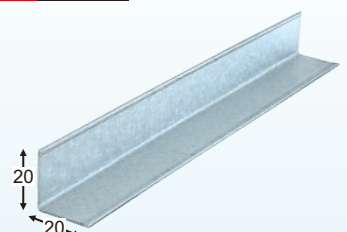
LENGTH **4 Meters**



CODE **6725** **6525** **20 BTG / PACK**

ANGLE

LENGTH **3 Meters**



CODE **6925** **50 BTG / PACK**


**TAHAN
KARAT**

 Aluminium Zinc
Coated Steel (AZ)
SNI 4096 : 2019

ROOF WALL

CORRUGATED

 @mulcindo  www.mulcindo.com

"DESIGNED TO PROTECT. BUILT TO LAST."

**MULCINDO
SUPER**
**MULCINDO
ROOFING**
**DAKOTA
ROOFING**
**CAN
ROOFING**

Color selection:

Merapi Red

Borneo Green

Maroon Red

Rumbai Black

Bromo Blue

Carita Red

Brown

Silver

TKDN

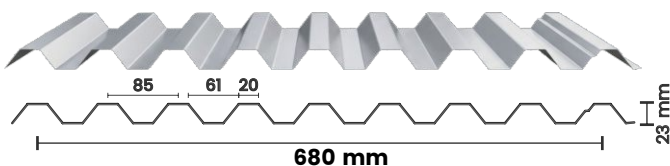
 TINGKAT
KOMPONEN
DALAM NEGERI

P3DN

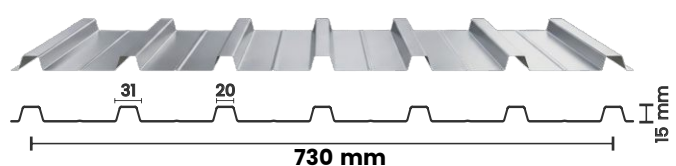
 DAFTAR INVESTARISASI
BARANG/JASA PRODUKSI
DALAM NEGERI
PENINGKATAN PENGGUNAAN PRODUK DALAM NEGERI

53.36%
680
9 CORRUGATIONS

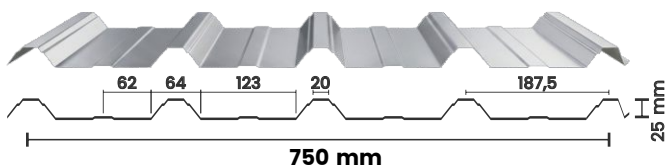
FOR ROOF AND WALL


730
7 CORRUGATIONS

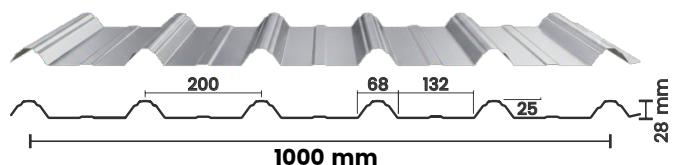
FOR WALL, FASCIABOARD, AND CEILING


750
5 CORRUGATIONS

FOR ROOF AND WALL


1000
6 CORRUGATIONS

FOR ROOF AND WALL



Durable



AZ Coated


 Rust
Resistant

 Mold
Resistant

 Mold
Resistant

 High
Precision

 Fire
Resistant


Warranted



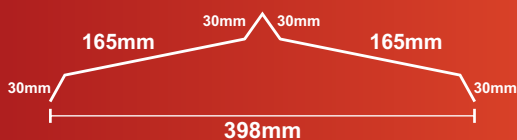
9374 : 2025

	AZ 200 Coating Weight 200 gram/m²	MS 680 MS 730 MS 750 MS 1000 Highest grade with maximum extra protection Application Area : - Coastal area (<1 km), chemical plant, high-ammonia livestock barn
	AZ 150 Coating Weight 150 gram/m²	MR 680 MR 730 MR 750 MR 1000 Premium quality for optimal protection and durability Application Area : - General factory/warehouse, airport, coastal area (1–3 km)
	AZ 100 Coating Weight 100 gram/m²	DR 680 DR 730 DR 750 DR 1000 Better protection for longer-lasting use Application Area : - Residential houses, shophouses, schools in urban/rural areas
	AZ 70 Coating Weight 70 gram/m²	CR 680 CR 730 CR 750 CR 1000 Practical choice for economical construction needs Application Area : - Site fencing, site office, interior walls, non-permanent buildings

Available in a variety of thickness options, ranging from 0.20 mm to 0.70 mm.

KELENGKAPAN STANDAR

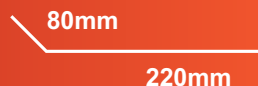
NOK STANDARD



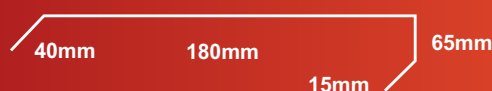
EDGE FLASHING AND WALL CLADDING LONGITUDINAL ROOF OVERLAP



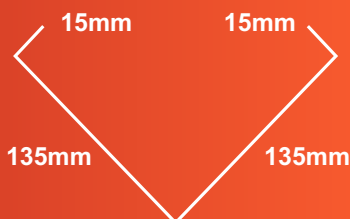
STANDARD ACCESSORIES TRANSVERSE ROOF OVERLAP



LONGITUDINAL ROOF OVERLAP



CORNER FLASHING



TRANSVERSE ROOF OVERLAP



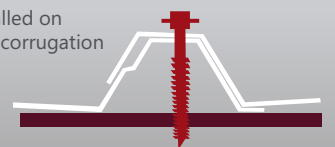
SCREW PLACEMENT

Screw Placement on Roof

Screws are installed on the crest of the corrugation



Screws are installed on the crest of the corrugation



Screw Placement on Wall

Screws are installed on the valley of the corrugation



Screws are installed on the valley of the corrugation



Lower Rib

Lower Rib

Installation Direction



GANA
METAL ROOF TILE

METAL TILE

Pre-Painted Galvalume (PPGL)
metal roof tile, combining premium quality
and architectural design as a practical
roofing solution for residential homes.

RUST
RESISTANT

TRENDY

DURABLE

STURDY



AVAILABLE COLORS



MERAPI RED



BORNEO GREEN



BROMO BLUE



CARITA RED

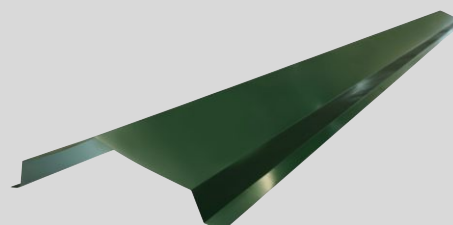


BROWN



RUMBAI BLACK

Type	Valley Gutter 3000 mm
Effective Width	280 mm
Thickness (TCT)	0.25 / 0.30 / 0.35 / 0.40



Sand-Coated Metal Tile

Metal roof tile with a sand-coated surface that acts as sound insulation against external noise and makes the roof tile more durable.

RUST
RESISTANT

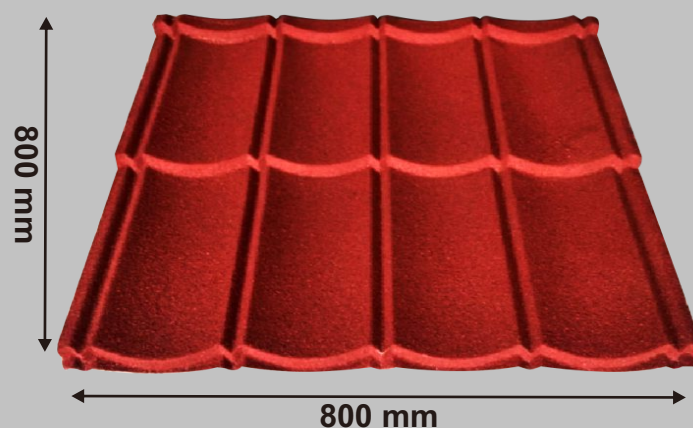
TRENDY

DURABLE

STURDY



Type	Stone-Coated Ridge Cap 900 mm
Thickness	0.25 / 0.30 / 0.35 / 0.40



Color selection:

Merapi Red

Borneo Green

Maroon Red

Rumbai Black

Bromo Blue

Carita Red

Brown

Silver



THE CONCRETE FLOOR SOLUTION FOR YOUR BUILDING

MULCINDO DECK



- Saves concrete volume by up to 25% and reduces slab weight by up to 60 kg/m²
- Faster and easier installation on both concrete and steel structures
- Cleaner and tidier worksite
- Can be directly used as an exposed ceiling
- 3 corrugation ribs with a profile height of 51 mm
- Zinc-coated for enhanced corrosion resistance and longer durability
- Tighter inter-deck joints prevent concrete slurry leakage
- Enhanced surface embossing on the deck increases the mechanical bond between concrete and floor deck
- Features an interlocking concrete rib design ensuring the deck functions as positive reinforcement



Strong
& Safe



Fast and
Practical



Accurate
Sizing



Cost
Effective



Zinc
Coated



Guaranteed
Quality

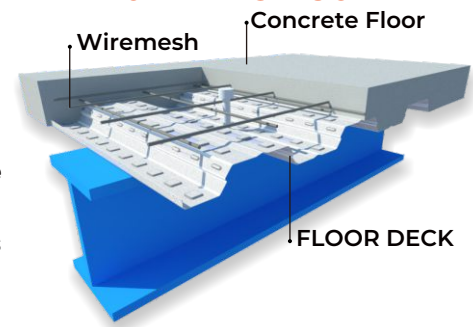


SNI
2053:2024



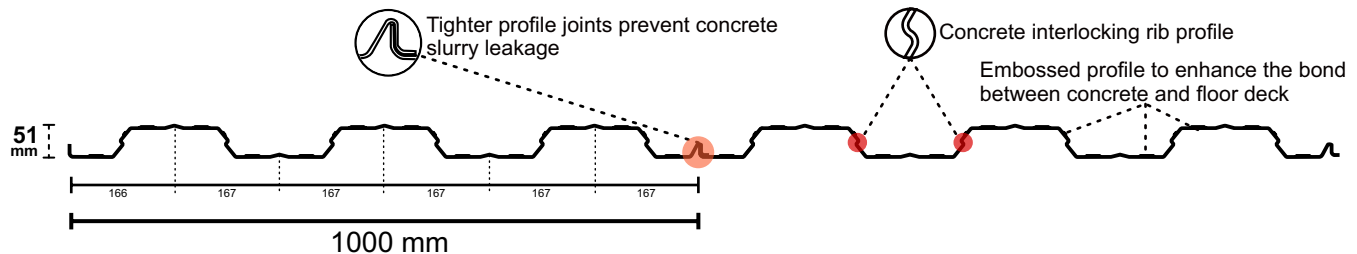
60.79%

INSTALLATION GUIDE



PROFILE AND DIMENSIONS OF FLOOR DECK

The profile shape and dimensions of the FLOOR DECK are shown in the image below. The effective width is 1000 mm with a height of 51 mm. Key features of the FLOOR DECK profile include tighter joints, as well as more prominent and pronounced interlocking embossments.



MULCINDO DECK



BMT Thickness(*)	Coating Thickness	Tensile Strength	Moment of Inertia I_x^1 (mm ⁴ /m)	Section Modulus Z_x^1 (mm ³ /m)	International Standard
0.60 mm	ZINC COATED 100-275 gr/m ²	550 Mpa	307,442	11,480	JIS G3302 SGCC
0.65 mm			333,067	12,437	
0.70 mm			358,693	13,394	
1.00 mm			512,484	19,209	

BMT Thickness(*)	Coating Thickness	Tensile Strength	Moment of Inertia I_x^1 (mm ⁴ /m)	Section Modulus Z_x^1 (mm ³ /m)	International Standard
0.55 mm	ZINC COATED 100 gr/m ²	550 Mpa	296,194	9,567	JIS G3302 SGCC
0.60 mm			281,817	10,523	
0.65 mm			307,442	11,480	
0.70 mm			333,067	12,437	

CONSTRUCTION STAGE SPAN TABLE

Span Type	Single					Double					Continuous				
BMT	0,6	0,65	0,7	0,75	1,00	0,6	0,65	0,7	0,75	1,00	0,6	0,65	0,7	0,75	1,00
100	1.923	1.975	2.068	2.068	2.271	2.159	2.216	2.271	2.322	2.567	2.107	2.164	2.265	2.266	2.447
110	1.873	1.925	2.010	2.015	2.212	2.103	2.159	2.212	2.262	2.496	2.052	2.107	2.206	2.207	2.383
120	1.828	1.878	1.965	1.967	2.160	2.052	2.106	2.158	2.207	2.433	2.003	2.056	2.153	2.154	2.326
130	1.786	1.835	1.919	1.923	2.112	2.006	2.059	2.110	2.158	2.375	1.958	2.009	2.105	2.106	2.274
140	1.749	1.795	1.880	1.882	2.067	1.963	2.016	2.065	2.112	2.322	1.917	1.967	2.060	2.061	2.226
150	1.715	1.760	1.842	1.845	2.027	1.924	1.976	2.024	2.071	2.274	1.878	1.928	2.020	2.021	2.182
160	1.682	1.727	1.808	1.810	1.989	1.888	1.939	1.986	2.032	2.230	1.843	1.892	1.982	1.983	2.142
170	1.653	1.696	1.774	1.778	1.953	1.855	1.904	1.951	1.996	2.189	1.810	1.858	1.947	1.948	2.104
180	1.625	1.668	1.745	1.748	1.921	1.823	1.872	1.918	1.962	2.151	1.780	1.828	1.911	1.915	2.069
190	1.599	1.641	1.716	1.720	1.890	1.794	1.842	1.888	1.931	2.115	1.752	1.798	1.883	1.884	2.036
200	1.574	1.616	1.691	1.694	1.862	1.767	1.814	1.859	1.901	2.081	1.725	1.770	1.855	1.856	2.005

►dimensions in mm

FEATURES & BENEFITS

FEATURES	BENEFITS / ADVANTAGES	
	TECHNICAL	COMMERCIAL
G550	Longer clear spans	More efficient structural section and framing
	Stronger profile with no deflection after installation	
2 mm Embossment	Enhances the bond between concrete and floor deck	Optimizes overall structural strength design
	Capable of withstanding higher loads without additional bottom shoring	
Lebar efektif 1.000 mm	Aligns with standard building column spacing without material excess	Reduces material waste
		Improves jobsite safety with minimal field cutting

**MATERIAL**

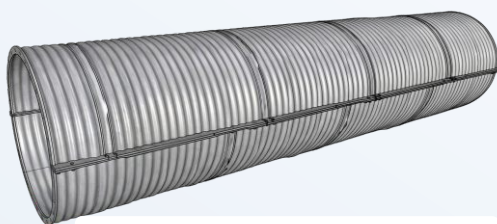
- JIS G 3101 Equivalent SS 400
- JIS G 3131 Equivalent SPHC
- SII 187-84
- SNI 07 0601 BJPC

**DRAINAGE PIPE****TUNNEL PIPE****CORRAMCO DRAINAGE CD-1000***(Type Nestable Flange)*

The CORRAMCO DRAINAGE CD-1000 type is a Corrugated Steel Pipe consisting of two nested halves, making it one of the simplest Corrugated Steel Pipe constructions. This product is available in diameter options ranging from 400 mm to 2,000 mm, with material thickness options from 2 mm to 3.5 mm.

Product Applications:

- Drainage Channels
- Irrigation Canals
- Culverts
- Small Span Bridges
- Conveyor Cover

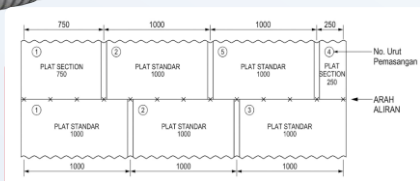


Ukuran:

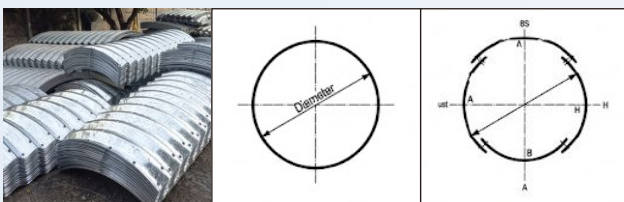
STANDARD PLATE 1.000 MM

END SECTION 250 MM

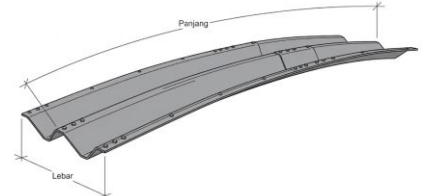
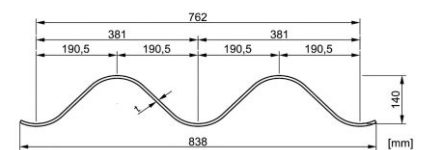
END SECTION 750 MM



GAMBAR SUSUNAN PLAT
DRAINAGE CD-1000

**CORRAMCO TUNNEL PIPE***(Type Multi Plate)***Applications:**

- Irrigation
- Drainage
- Bridges
- Silos

TYPE CORRAMCO TUNNEL PIPE**DEEP CORRUGATED STEEL PIPE**

Standart Hot Dip Galvanizing :
SNI 07-7033-2004, AS 1650 dan ASTM A123



Uses of C-Channel Steel

Roof Trusses

In large-scale structures such as commercial buildings, factories, or warehouses, C-Channel steel is commonly used for roof framing.

Perimeter Fencing

C-Channel steel is also widely used in factories and warehouses for fencing or security boundaries due to its sturdy and suitable profile.

Purlins

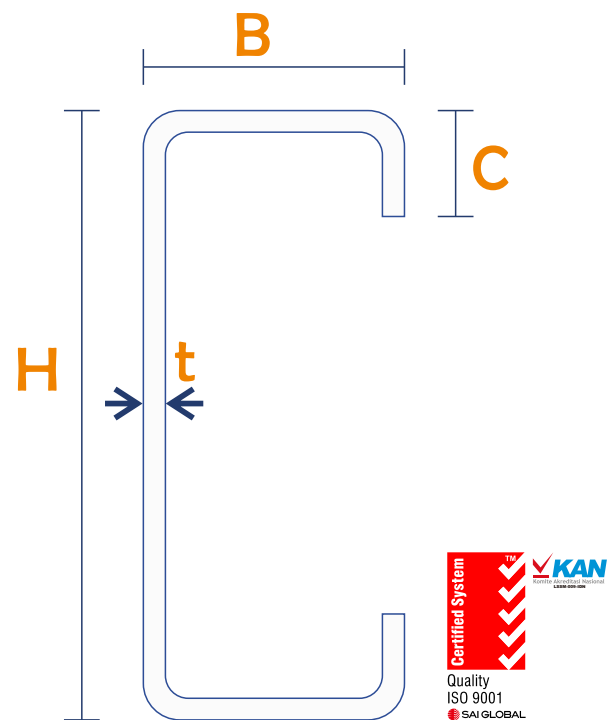
Purlins are commonly integrated into various building structures. They serve as support beams for roof coverings due to their high load-bearing capacity.

Wall Cladding Support

Walls are sometimes clad with metal paneling systems. When viewing such wall cladding framing, C-Channel (CNP) steel is typically the core underlying material.

Architectural Framing Components

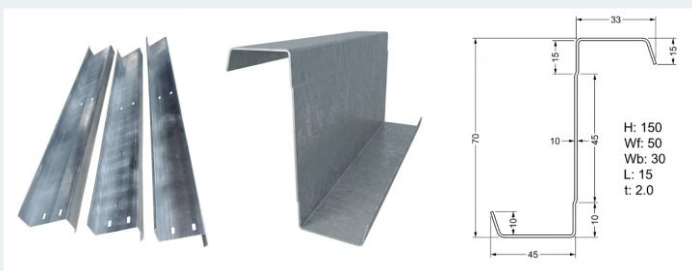
Architectural applications utilize C-Channel steel as a structural framing material to form various building components.



Material Grade:
JIS G 3131 Hot Rolled Steels (SPHC)

HEIGHT (H)	WIDTH (B)	LIP (C)
95	45	15
98	48	18
100	50	20
123	48	18
125	50	20
148	48	18
150	50	20
150	60	20
150	65	20
200	70	20
200	75	20
250	75	20
300	70	20
300	80	20

THICKNESS (t) : 2.00 - 3.20 mm
LENGTH : 6 m - 12 m



Z-Channel is a Z-shaped structural steel profile.

Key Functions & Main Advantages:

Function : Functions as purlins or support framing for roof and wall cladding, transferring structural loads to the primary frame.

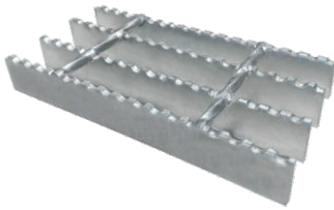
Advantages : Strong, lightweight, corrosion-resistant, easy to install using an overlapping system, and highly cost-effective for industrial buildings and warehouses.



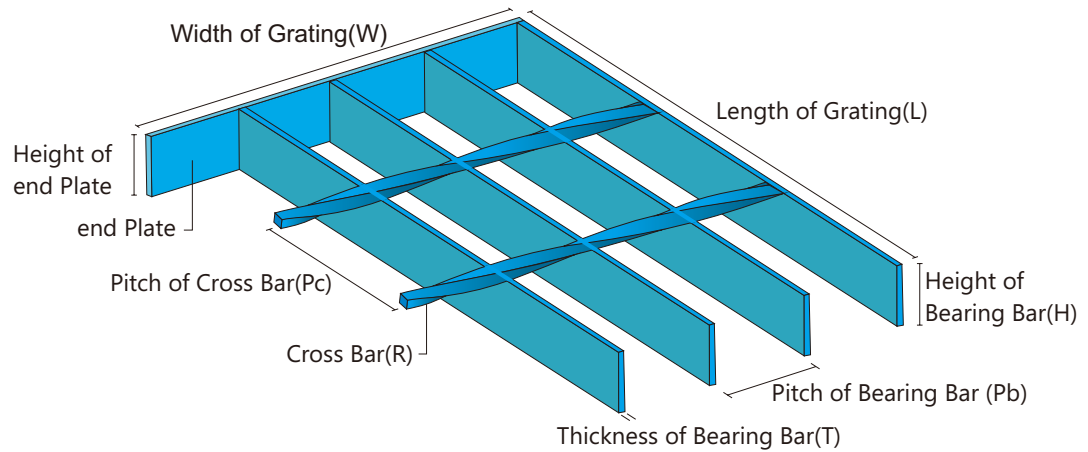
PLAIN BAR



SERRATED BAR



PROFILE & DIMENSION



Common specification and safe load table of steel grating

(Plain style, Pitch of bearing bars at 30 mm)

Thickness of Bearing Bar at 3 mm

TYPE (SG H T/Pb/Pc)	Bar Height (H) mm	Bar Thickness (T) mm	kg/m ² Theory weight	Load and deflection	Clear Span Length of Grating(L)										
					200	400	600	800	1000	1200	1400	1600	1800	2000	2200
SG503/30/100	50	3	49.6	C	141	70	47	35	28	23	20	17	15	14	12
				D	0.11	0.44	0.99	1.75	2.75	3.92	5.45	5.97	8.82	11.37	13.14
SG403/30/100	40	3	40.3	C	90	45	30	22	18	15	12	11	10		
				D	0.14	0.55	1.24	2.16	3.46	5.02	6.44	8.87	11.59		
SG323/30/100	32	3	32.8	C	58	29	19	14	11	9	8	7			
				D	0.17	0.69	1.53	2.69	4.16	5.93	8.44	11.15			
SG253/30/100	25	3	26.3	C	35	17	11	8	7	5					
				D	0.22	0.85	1.86	3.24	5.58	7					

Thickness of Bearing Bar at 5 mm

TYPE (SG H T/Pb/Pc)	Bar Height (H) mm	Bar Thickness (T) mm	kg/m ² Theory weight	Load and deflection	Clear Span Length of Grating(L)														
					200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
SG655/30/100	65	5	100.4	C	399	199	133	99	79	66	57	49	44	39	36	33	30	28	26
				D	0.08	0.34	0.76	1.35	2.11	3.06	4.21	5.43	6.98	8.54	10.56	12.65	14.75	17.33	19.97
SG505/30/100	50	5	77.9	C	236	118	78	59	47	39	33	29	26	23	21	19			
				D	0.11	0.44	0.99	1.77	2.77	3.99	5.39	7.11	9.14	11.18	13.7	16.25			
SG405/30/100	40	5	62.9	C	151	75	50	37	30	25	21	18	16	15					
				D	0.14	0.55	1.23	2.17	3.46	5.01	6.73	8.69	11.1	14.39					
SG325/30/100	32	5	50.9	C	96	48	32	24	19	16	13	12	10						
				D	0.17	0.68	1.55	2.76	4.3	6.3	8.21	11.4	13.73						
SG255/30/100	25	5	40.4	C	59	29	19	14	11	9	8								
				D	0.22	0.87	1.93	3.39	5.25	7.5	10.71								

Note:

C expressed safe concentrated load in kN/m² vertical with bearing bar direction on the centre line of span of steel grating.

D expressed the Max.deflection of steel grating in mm in the function of listed safe load.

Cross Bar(R) : 6 & 8 mm

Pitch of Cross Bar(Pc) : 50 & 100 mm

Pitch of Bearing Bar (Pb) : 30, 40, 60 mm

Height of Bearing Bar(H) : 25 - 65 mm

Length of Grating(L) : Up to 6000 mm



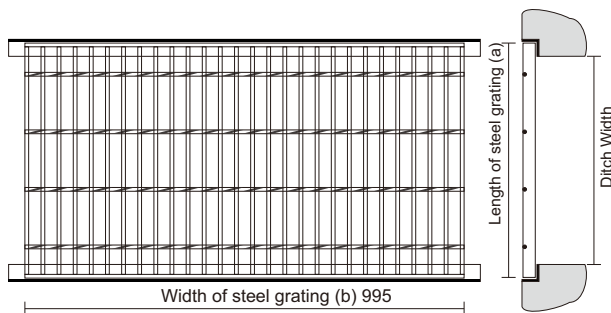
SGT TYPE

MATERIAL JIS G 3101 SS 400

Ditch cover of steel grating for ordinary side ditch and transverse ditch



SGT-side ditch, ditch transverse steel plate ditch covered lattice models and Parameters

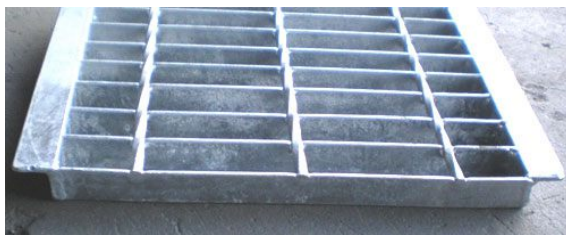


Ditch Width	T-2 and Pedestrian Load			
	Model	Cover plate Size b x a x h	Weight	Support ANGLE
100	SGT 100-20	995 x 160 x 20	4.0	L40 x 23 x 3
120	SGT 120-20	995 x 180 x 20	4.3	L40 x 23 x 3
150	SGT 150-20	995 x 210 x 20	5.1	L40 x 23 x 3
180	SGT 180-20	995 x 240 x 20	5.6	L40 x 23 x 3
200	SGT 200-20	995 x 260 x 20	5.9	L40 x 23 x 3
240	SGT 240-25	995 x 304 x 25	13.7	L40 x 28 x 3
300	SGT 300-25	995 x 364 x 25	15.7	L40 x 28 x 3
360	SGT 360-25	995 x 424 x 25	18.1	L40 x 28 x 3
400	SGT 400-25	995 x 464 x 25	19.4	L40 x 28 x 3
450	SGT 450-32	995 x 544 x 32	28.1	L40 x 35 x 3
500	SGT 500-45	995 x 580 x 45	40.7	L40 x 48 x 3
600	SGT 600-50	995 x 690 x 50	52.7	L40 x 53 x 3

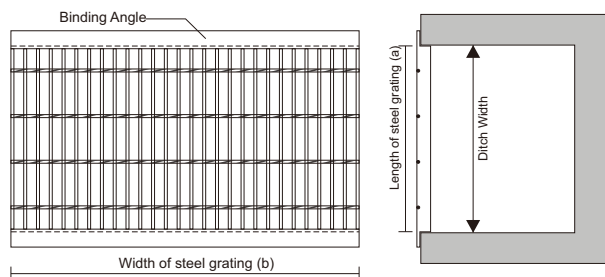
Note : Size unit of ditch width and cover plate is in mm. Weight unit is in kg/piece.

SGU TYPE

Ditch cover of steel grating



Models and Parameters for SGU TYPE DITCH-ditch cover of steel grating



Ditch Width	T-2 and Pedestrian Load			
	Model	Cover plate Size b x a x h	Weight	Bingding ANGLE
100	SGU 100-20	995 x 90 x 20	4.5	L 30 x 3
120	SGU 120-20	995 x 110 x 20	5.1	L 30 x 3
150	SGU 150-20	995 x 140 x 20	5.6	L 30 x 3
180	SGU 180-20	995 x 170 x 20	6.1	L 30 x 3
200	SGU 200-25	995 x 190 x 25	12.7	L 40 x 5
240	SGU 240-25	995 x 230 x 25	14.3	L 40 x 5
300	SGU 300-25	995 x 290 x 25	16.1	L 40 x 5
360	SGU 360-32	995 x 350 x 32	21.3	L 40 x 5
400	SGU 400-32	995 x 390 x 32	24.5	L 40 x 5
450	SGU 450-32	995 x 443 x 32	27.1	L 40 x 5
500	SGU 500-45	995 x 488 x 45	40.6	L 50 x 6
600	SGU 600-50	995 x 588 x 50	51.0	L 50 x 6

Note : Size unit of ditch width and cover plate is in mm. Weight unit is in kg/piece.

Saddle Clip Type Table



Labalaba Clip Types		Compatibility with Labalaba Grating
A-30	B-30	Bearing bar size 30mm
A-40	B-40	Bearing bar size 40mm



Type A

Type B



Mulcindo Pole Advantages

Mulcindo Pole memiliki keunggulan yang berbeda dengan tiang pada umumnya, antara lain:

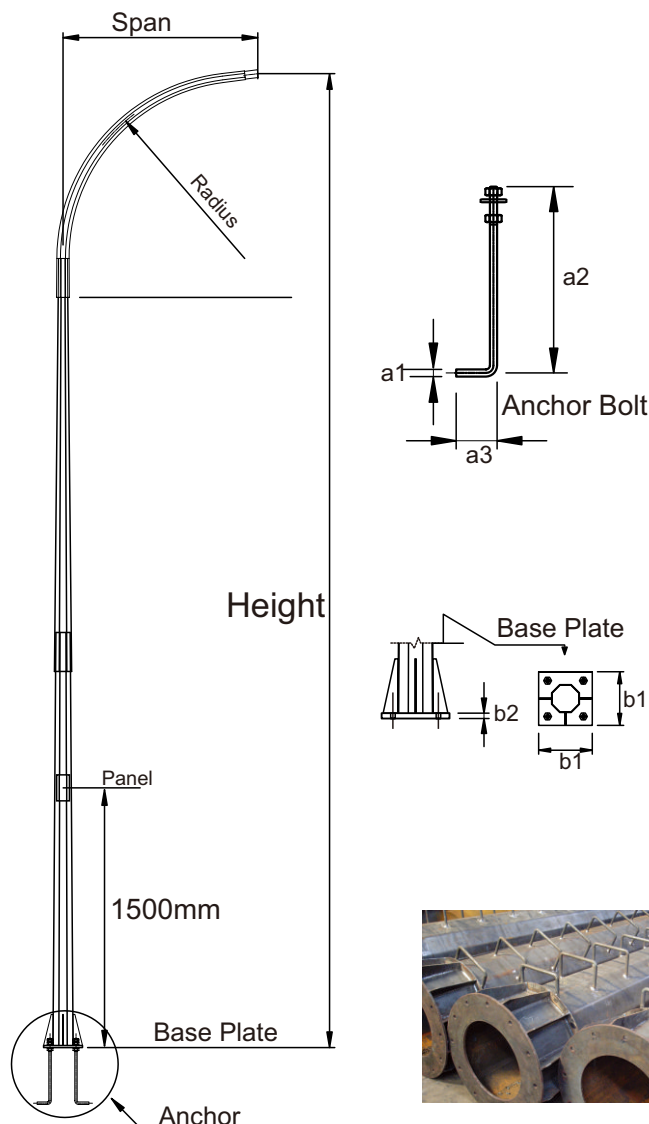
- Superior aesthetic appearance
- Polygon/polygonal tapered structure provides uniform stiffness and strength across all sides
- Longer service life due to zinc coating from the galvanizing process
- SNI 07-0950-1989 certified by the Ministry of Industry of Indonesia
- Implements ISO 9001:2008 Quality Management System

Quality and Standard

- Mulcindo poles are manufactured in a single facility from end to end, ensuring rigorous quality and standard control.
- Quality control spans 9 distinct stages, from raw material receipt through processing to finished products.
- The bending process utilizes a 640-ton CNC (Computer Numerical Control) press brake machine, resulting in enhanced stability and precision.
- Semi-automatic welding ensures high-quality, consistent results while accelerating production output.

Production process

- Custom plate cutting process
- Plate leveling
- Trapezoidal shape cutting process
- Press brake bending process
- Welding process
- Pole straightening process
- Pole fit-up and assembly process
- Galvanizing process
- Final inspection process

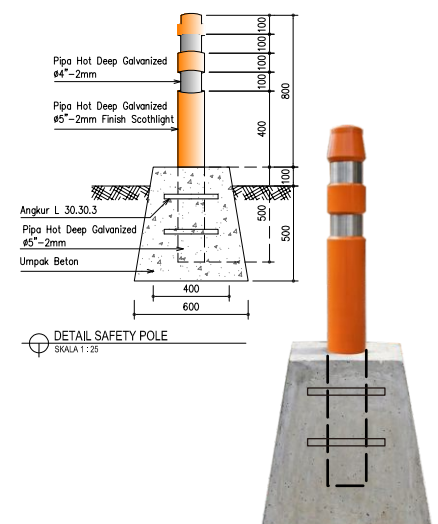
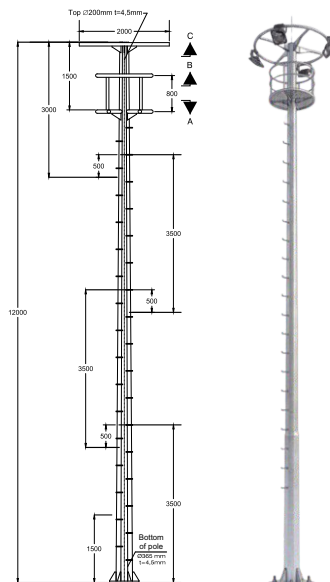
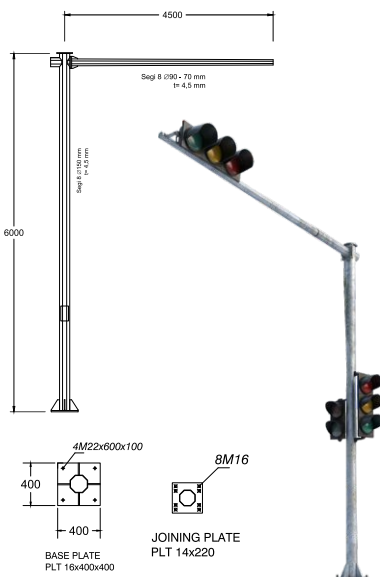
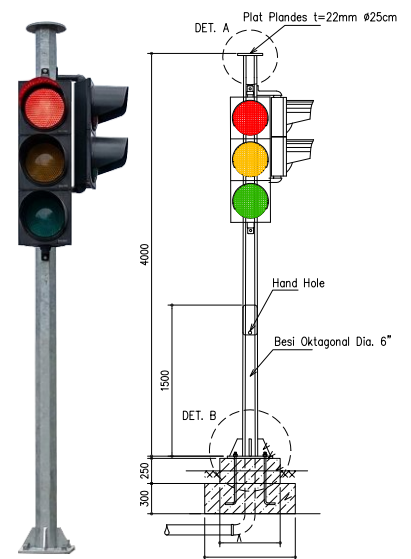
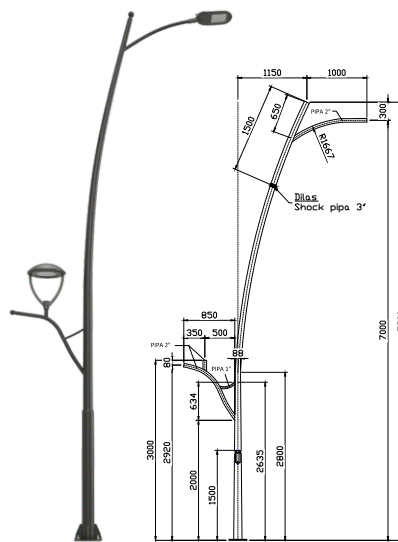
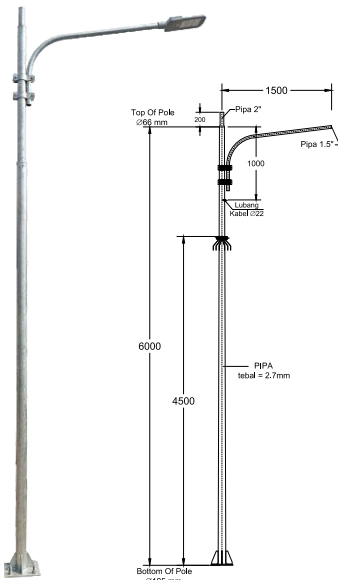
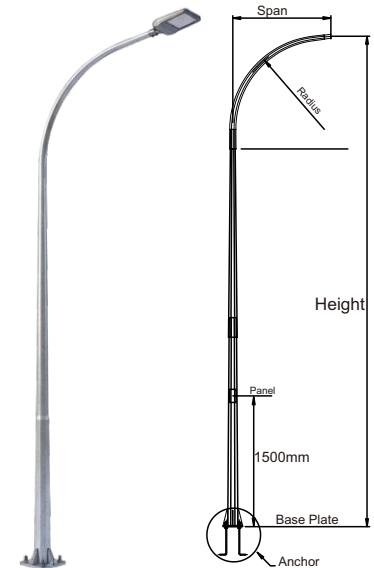
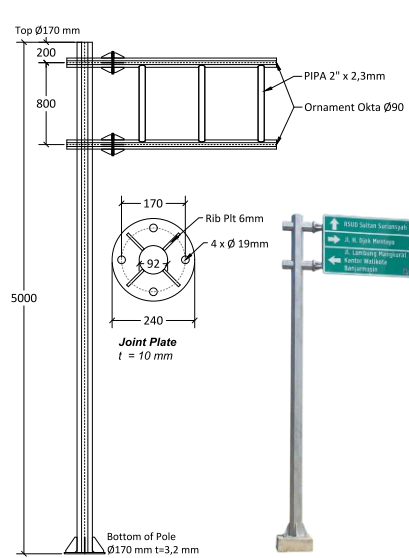


Technical Specification Table

Height (meters)	Span (mm)	Radius (mm)	Base Plate (b1xb1xb2)(mm)	Anchor Bolt (a1xa2xa3)(mm)
6	1500	1400	300 x 300 x 16	16 x 500 x 100
	2100	1800		
7	1500	1400	300 x 300 x 16	16 x 500 x 100
	2100	1800		
8	1500	1400	300 x 300 x 16	19 x 500 x 100
	2100	1800		
9	1500	1400	300 x 300 x 16	19 x 500 x 100
	2100	1800		
10	1500	1400	400 x 400 x 19	22 x 600 x 100
	2100	1800		
11	1500	1400	400 x 400 x 19	22 x 600 x 100
	2100	1800		
12	1500	1400	400 x 400 x 19	22 x 600 x 100
	2100	1800		
13	1500	1400	400 x 400 x 19	22 x 600 x 100
	2100	1800		
14	1500	1400	400 x 400 x 19	22 x 700 x 100
	2100	1800		
15	1500	1400	400 x 400 x 19	22 x 800 x 100
	2100	1800		

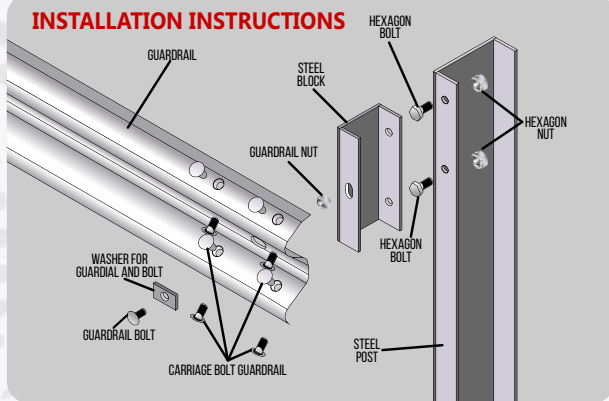
*Ukuran tiang bisa disesuaikan dengan kebutuhan







INSTALLATION INSTRUCTIONS



Installation

The installation process is exceptionally straightforward, as illustrated in the diagram, requiring no specialized skills. Thanks to its corrugated design, it delivers a harmonious and aesthetically appealing appearance.



Threebeam



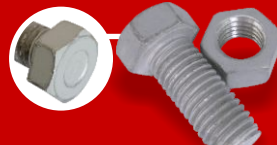
Hexagon Bolt & Nut

5/8 X 1 3/4



Carriage Bolt Guard Rail

5/8 X 1 1/4



Hexagon Bolt & Nut

5/8 X 1 1/2



Reflektor MR120

Diameter 120 mm



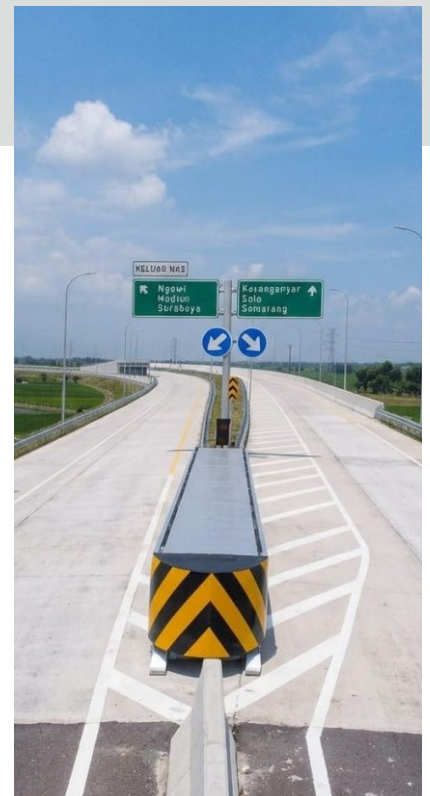
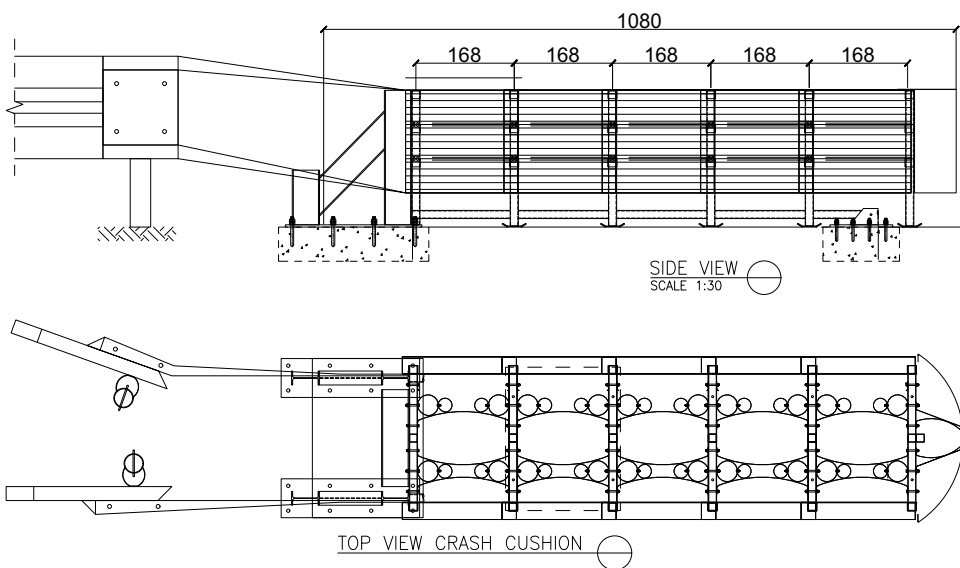
Reflektor MR2100

Diameter 100 mm



Crash Cushion Road Impact Attenuator

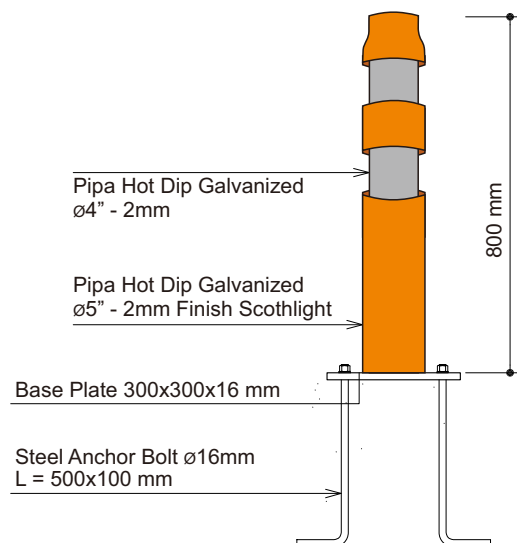
*Reduces Impact Severity, Enhances
Road User Safety.*



MULCINDO DELINEATOR



PT Multi Colour Indah Indonesia manufactures Road Delineator Posts, commonly known as Delineator Poles. The Delineator Poles are produced using steel pipe as the base material with hot-dip galvanizing coating.





ROAD BARRIER



MULCINDO ROADBAR ROAD BARRIER PRIORITIZES SAFETY, HIGH QUALITY, MADE OF STEEL WITH HOT-DIP GALVANIZING COATING.

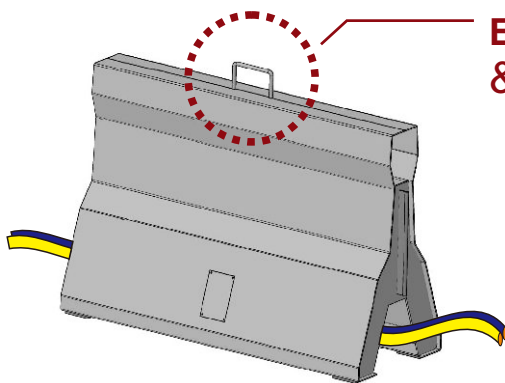
ROADBAR

ROADBAR Steel Road Barrier
With Hot-Dip Galvanizing Coating.

In 2020, PT Multi Colour Indah Indonesia innovated to create a durable and long-lasting Road Barrier using steel plate base material with hot-dip galvanizing coating.

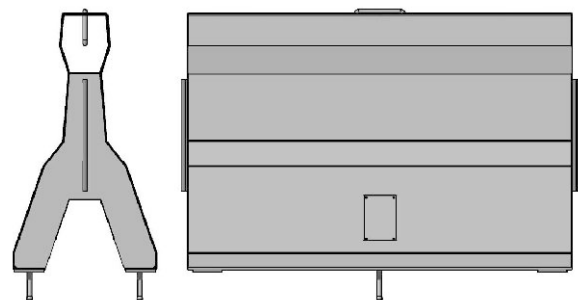
ROADBAR is a Steel Road Barrier designed as a permanent or semi-permanent road divider that meets safety standards for both roadway and construction applications.

Road barriers are typically applied for various uses, such as highway traffic management tools, parking lot dividers, construction areas, work zones, crowd control, temporary barriers, public works projects, special/sporting events, and traffic control.

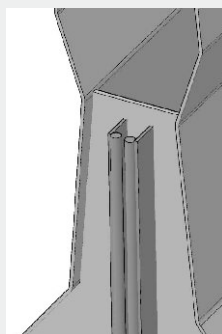
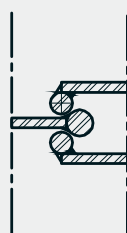
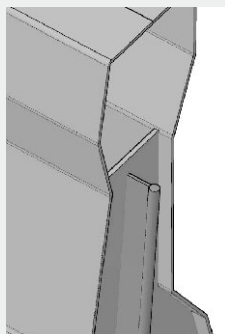


EASY TO LIFT & RELOCATE

UTILITY CAVITY



Equipped with **Dynabolts** to prevent Roadbar displacement

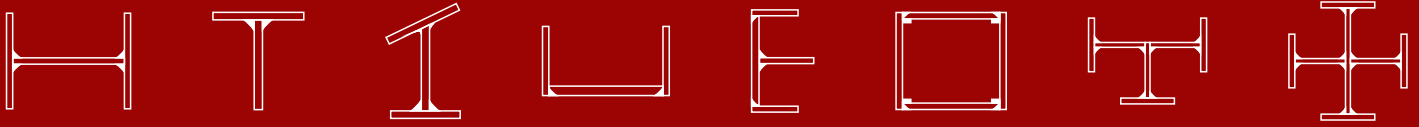
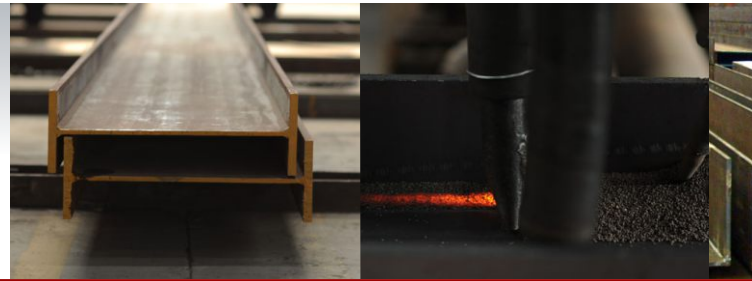


rhino



HIPPO

MULCINDO W E L D E D B E A M



PT Multi Colour Indah Indonesia has been manufacturing Welded Beams since 1986 to fulfill standard and non-standard structural steel demands in Indonesia.

Manufactured Welded Beam sizes

200 x 100 mm - 2.000 x 500 mm

In addition to customizable section dimensions and material grades compliant with ASTM, JIS, or other international standards, profile lengths can also be tailored to order to optimize material efficiency.

Production Capacity: 1500 MT/month

Utilizing Submerged Arc Welding (SAW) System

**PRODUCTION
STANDARDS**



PRODUCTION PROCESS

01. Plate Inspection Process Prior to Cutting
02. Plate Cutting Path Planning Process
03. Plate Cutting Process
04. Tacking Process of Flange to Web
05. Tacking Process of Flange to Web
06. SAW System Welding Process
07. Product Straightening
08. Final Dimensional Inspection Process
09. Product Labeling

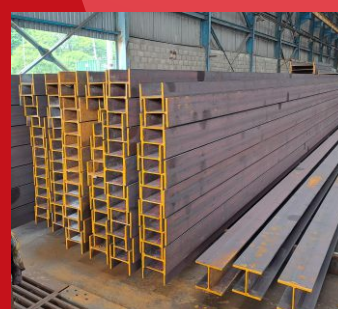




PRODUCT TOLERANCE STANDARDS

Compliant with JIS G-3192, JIS A-5526, ASTM A-36

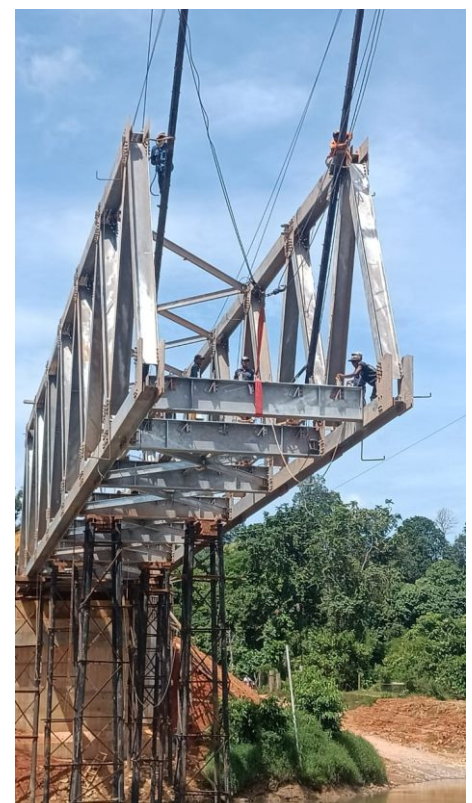
SPECIFICATION		TOLERANCE	DESCRIPTION
Flange(B)		$\pm 3.0 \text{ mm}$	
Height (H)	Nominal height		
	below 400 mm	$\pm 3.0 \text{ mm}$	
	400 - 599 mm	$\pm 4.0 \text{ mm}$	
Length	Above 600 mm	$\pm 5.0 \text{ mm}$	
	s/d 7 m	$\pm 40 \text{ mm}$	
	Above 7 m	add 5.0 mm to the above specification for every additional 1 m of length	
Out-of-Squareness Limit	Nominal height less than or equal to 300 mm	Lebih kecil atau sama dengan 0.6 % dari flens B, dengan nilai minimum 1.0 mm	
	Nominal height above 300 mm	Lebih kecil atau sama dengan 0.75 % dari flens B, dengan nilai minimum 1.0 mm	
Longitudinal Camber & Sweep Limit	Nominal height less than or equal to 300 mm	Less than or equal to 0.20% of length	
	Nominal height above 300 mm	Less than or equal to 0.10% of length	
Eccentricity Limit	Nominal height less than or equal to 300 mm	$\pm 3.0 \text{ mm}$	
	Nominal height above 300 mm	$\pm 4.5 \text{ mm}$	
End Cut Squareness Limit (E)	Less than or equal to 1.6% of flange B or height H, with a minimum value of 3.0 mm		





PT. Multi Colour Indah Indonesia is an experienced company specializing in the production of various types of structural steel for critical infrastructure needs. One of the company's flagship products is steel truss bridges, which are utilized for various crossings, including highway traffic lanes, railway lines, and pedestrian overpasses. These steel truss bridges are engineered and manufactured in strict compliance with safety standards and structural integrity, enabling them to support heavy loads and deliver long-term durability across diverse weather and environmental conditions.

PT. Multi Colour Indah Indonesia continues to play an active role in supporting infrastructure development in Indonesia through its reliable and highly competitive structural steel products.





Kabongka Bridge
Buton, Sulawesi Tenggara



Bree Kab. Sumbawa Barat Bridge
Komplek KTC Taliwang Nusa Tenggara Barat



Teluk Lamong Bridge
Gresik, Jawa Timur



Sinarmas Bridge
Papua

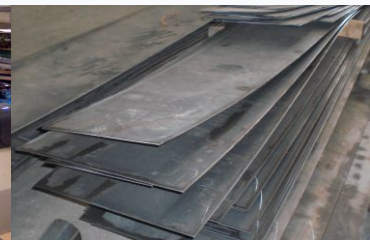


Bailey 33 Meter Bridge
Kab. Bengkayang, Kalimantan Barat



Tanjung Beringin Bridge
Kab. Lamandau, Kalimantan Tengah

MULCINDO SLITTER



SLITTER LINE

The Slitter Line is designed to shear large width coils into sub-strips of the desired width along the longitudinal direction and rewind them into coils as raw materials for pipe forming, structural steel sections, and other profiles. The Slitter Line is customized to meet various client requirements.

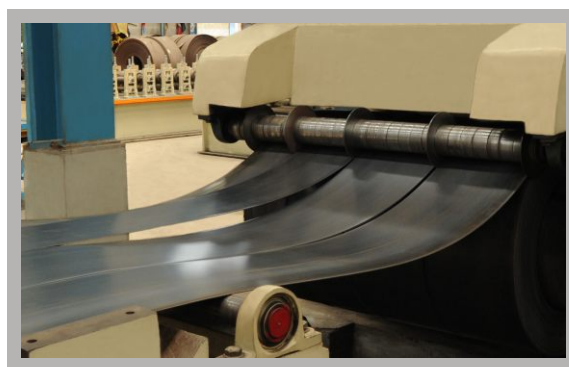
The Slitter Line delivers high flatness and tight tolerances required to ensure smooth manufacturing operations. Custom widths and lengths can be ordered to minimize scrap during processing.

Coil Shearing is the process of cutting coils to specified lengths, whereas Recoiling is similar to shearing but involves rewinding the cut strip into coils to the desired length.



COIL	GL, GI, GA, EG, CR
<i>Grade</i>	G300 - G550
<i>Thickness</i>	0.15 - 1.6 mm
<i>Max. Weight</i>	15.000 kg
<i>Max. Width</i>	1250 mm
<i>Min. Strip Width</i>	20 mm
<i>Inside Diameter</i>	480 - 508

COIL	HRC
<i>Grade</i>	SS400, SPHC, SPHT
<i>Thickness</i>	1.0 - 3.0 mm
<i>Max. Weight</i>	10.000 kg
<i>Max. Width</i>	1250 mm
<i>Min. Strip Width</i>	25 mm
<i>Inside Diameter</i>	480 - 508



COIL	HRC
<i>Grade</i>	SS400, SPHT-2, SPHC
<i>Thickness</i>	3.0 - 5.0 mm
<i>Min. Strip Width</i>	200 mm
<i>Max. Width</i>	450 mm



PLATE CUTTING

Oxy-fuel Cutting

Steel plate cutting using Oxy-fuel, or flame cutting, is the oldest cutting process applied to steel plates. An oxy-fuel torch can cut through extremely thick plates, depending on the volume of oxygen delivered.

Oxy-fuel cutting produces smooth, square cut surfaces.

THICKNESS	PLATE SIZE	MIN. STRIP WIDTH
4.5 mm - 80 mm	2000 x 16000 mm	50 mm



SHEARING



Material	GL, GI, GA, EG, CR, HRC
Thickness	0.2 - 10 mm
Max. Width	1219 mm
Max. Length	4000 mm



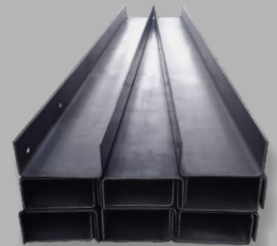
Shearing is a cutting process used to shear steel plates to desired length dimensions. The shearing system delivers fast and precise cut quality for steel plates.

BENDING



Bending is a sheet metal forming process that produces a V-shape, U-shape, or other profile shapes along a straight axis across the material.

Material	SS400, SPHC, SPHT
Thickness	1.0 - 8.0 mm
Width	50 - 1219 mm
Length	3000 - 6000 mm
Bending Angle	$90^\circ < x^\circ < 179^\circ$

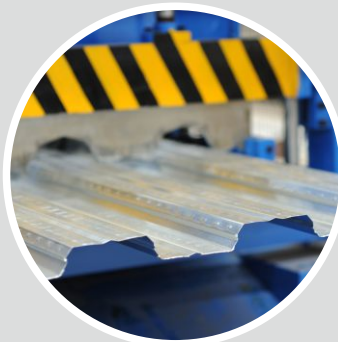


FORMING

Metal Frame



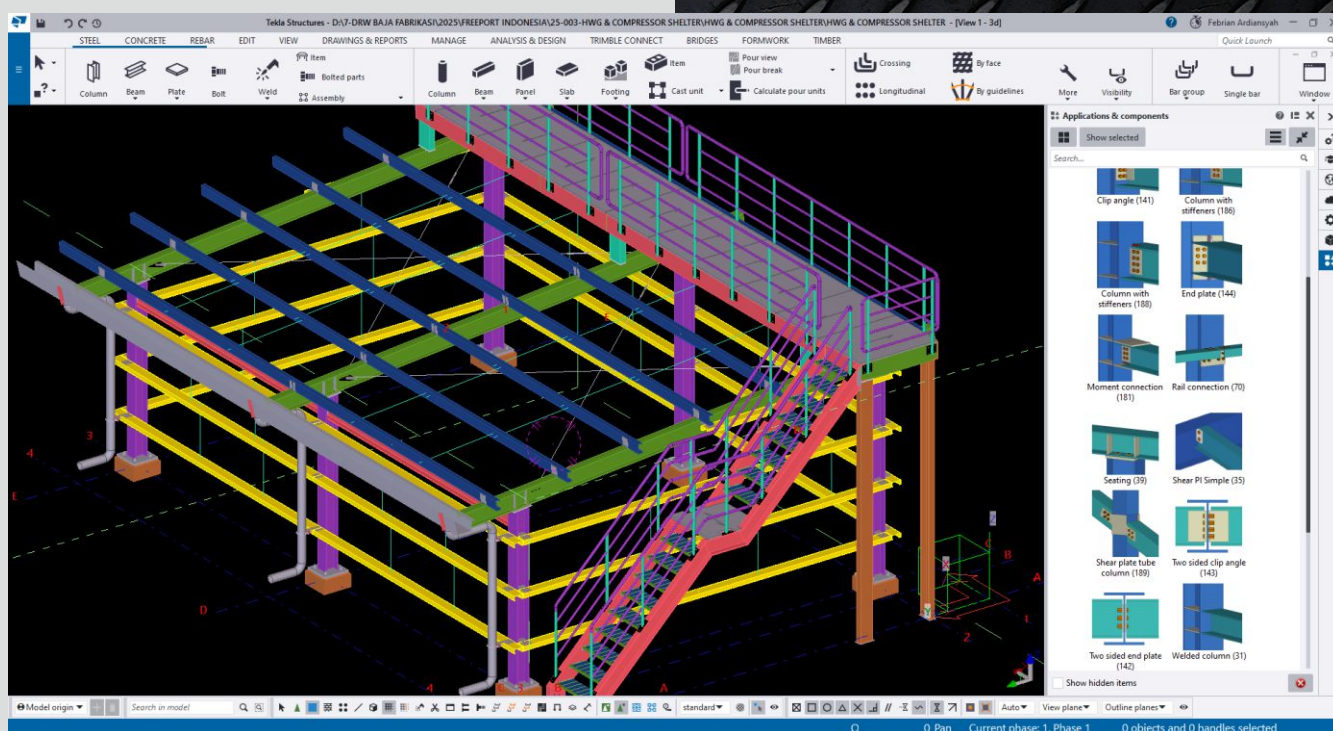
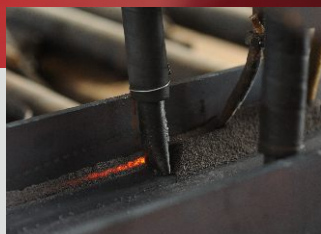
Floor Deck



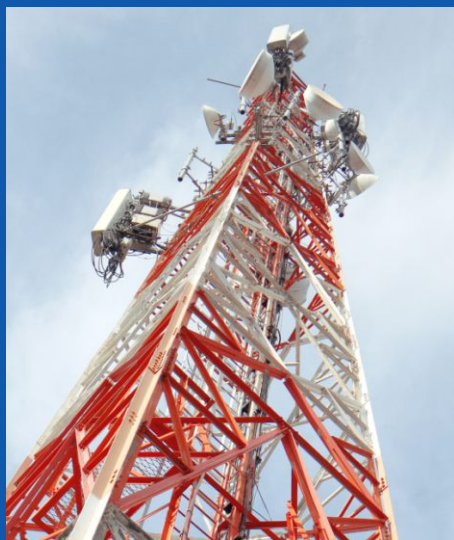
Corrugated Roof



STEEL FABRICATION SERVICES



Precision CNC Angle Steel Fabrication Services



Tower Works



Bracing Works



Kremona Works

SNI 7033 : 2020 Hot Dip Galvanizing

Galvanizing coating thickness
for iron and steel materials (BG-ZXXXS)

Material Thickness (mm)	Coating Thickness (μm)
<1.6	45
≥1.6 to <3.2	65
≥3.2 to 4.8	75
≥4.8 to 6.4	75
≥6.4 to <16.0	100
≥ 16.0	100

MATERIALS USED

1500 Ton / Bulan

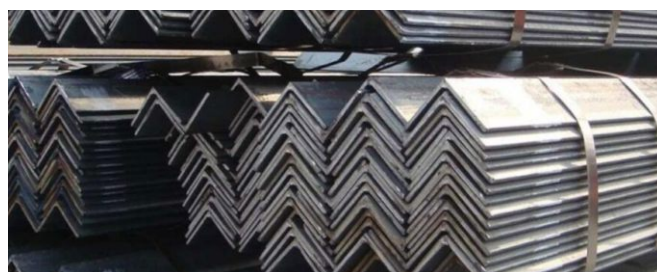
UKURAN : 40-250 MM

MENGGUNAKAN BAHAN

SS400

SS540

SM490



HOT DIP GALVANIZING

BONDI GALVANIZING

PROTECT YOUR INVESTMENT



SANDBLASTING

Sandblasting is a process adapted from technology commonly utilized by companies in the oil & gas, industrial, and fabrication sectors to clean or strip coating layers from an object—typically made of metal or iron—using specialized sand abrasives blasted directly onto the surface via a high-pressure compressor.



COATING PAINTING

Metal coating by applying specific paints, tailored to project requirements and installation environments.

Beyond providing corrosion protection, coating enhances aesthetic appeal. To serve as an effective protective barrier, the coating must be applied correctly. Surface preparation is critical to achieving a successful coating application.

DUPLEX SYSTEM

Paint application over Hot-Dip Galvanizing. The advantage of the duplex system is that the outer paint layer acts as an additional barrier, slowing down the corrosion rate of the zinc (Zn) layer. This significantly extends the lifespan of galvanized steel while providing superior aesthetic appeal.



Tensile Testing Laboratory

SERVICE SPECIFICATIONS :

- Test Method : ASTM A370 Method
- Machine Capacity : 0-100 kN
- Material Type : Metal
- Test Report : Provided in softcopy format

REGULAR / STANDARD TENSILE TEST :

- Tensile test for diameter up to Ø20 mm
 - Tensile test for diameter Ø21 mm to Ø32 mm
 - Tensile test for diameter > Ø32 mm
 - Tensile test for plate thickness up to 15 mm
 - Tensile test for plate thickness 16–32 mm
 - Tensile test for plate thickness > 32 mm
- Static tensile test with extensometer
- Bolt tensile test :
 - Bolt tensile test up to M22
 - Bolt tensile test > M22
 - Bolt proof load test
- Wire strand tensile test

Testing Procedure

- Sample Submission
- Sample Preparation
- Tensile Testing
- Data Analysis
- Report Preparation



SIMBA
SIMPAN BARANG

**CHAIN SOLUTION
FOR YOUR LOGISTICS**



OUR CRANES ARE READY TO SUPPORT HEAVY-DUTY OPERATIONS AND MOVE BULK MATERIALS SAFELY AND QUICKLY.

MAX 80 TONS



OUR FORKLIFTS SUPPORT PRECISE AND EFFICIENT MATERIAL HANDLING AND STORAGE, ENSURING ITEMS REMAIN SECURE AND EASILY ACCESSIBLE.

MAX 80 TONS



OUR WEIGHBRIDGE FACILITIES ENSURE PRECISE WEIGHT MEASUREMENT FOR VEHICLES AND CARGO.

MAX 80 TONS



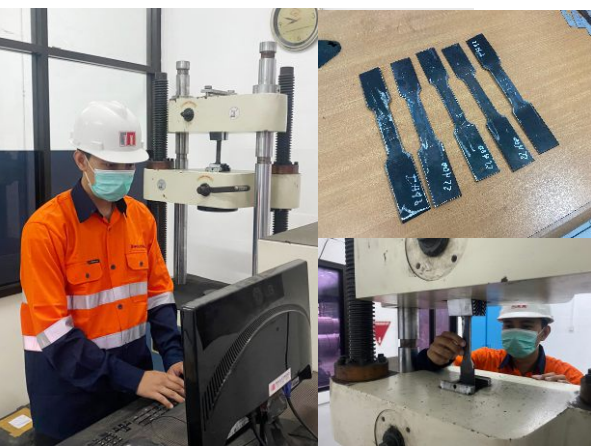
EQUIPPED WITH A COMPREHENSIVE SECURITY SYSTEM, INCLUDING A ONE-GATE SYSTEM, GUARD POST, AND TRAINED SECURITY PERSONNEL.

24 HOURS



EQUIPPED WITH CCTV CAMERAS, WE ENSURE EFFECTIVE MONITORING AND EARLY THREAT DETECTION.

24 HOURS





PT. MULTI COLOUR INDAH INDONESIA

Office & Factory :

Jl. Mayjend Sungkono No. 18 Gresik 61161

P. 62-31 3978989 F. 62-31 3978988

Email. marketing@mulcindo.com



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