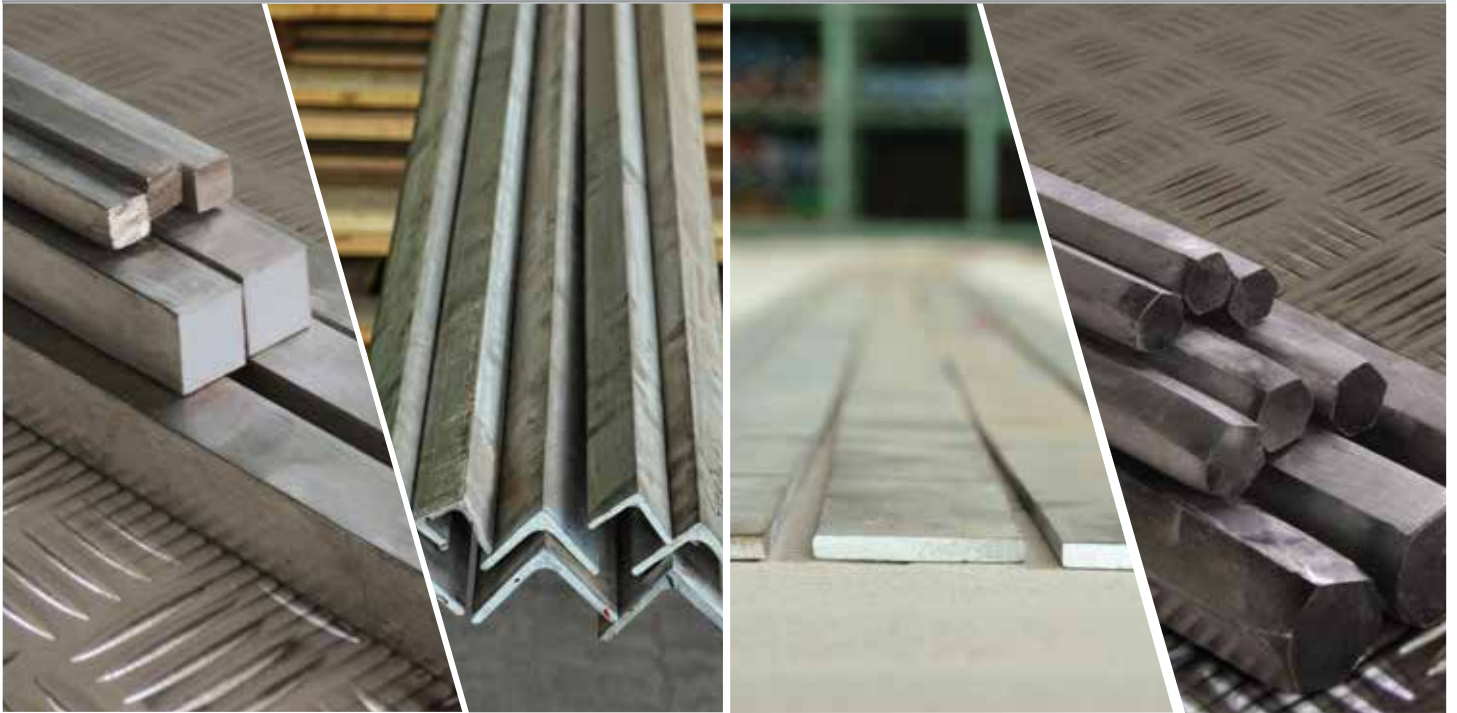




PT. INDOMAKMUR INTI LESTARI

FERROUS & NON-FERROUS METAL, ENGINEERING PLASTIC & ELECTRICAL EQUIPMENT

201 Stainless Steel Alloy



DESKRIPSI PRODUK :

Terdiri dari elemen mangan, nikel dan krom. Memiliki kandungan nikel yang terbatas maka tipe 201 cenderung lebih keras sehingga tahan lama dan tahan banting. Memerlukan alat bantu khusus dalam proses pembentukan dan dijual dengan harga yang lebih ekonomis. Selain itu tampilan stainless 201 terlihat lebih mengkilap sehingga memberikan kesan elegan walaupun harganya ekonomis.

Stainless steel tipe 201 memiliki ciri seperti anti korosi, dapat dilas, harganya lebih ekonomis, resistensi suhu rendah, dan mudah dirawat.

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Technical Datasheet

201 Stainless Steel Alloy
Aplikasi Khusus

Stainless Steel 201 dapat diaplikasikan untuk berbagai kegiatan seperti:

- ▶ Penempahan
- ▶ Rolling
- ▶ Welding
- ▶ Bending

Ketersediaan Komersial

Stainless Steel tipe 201 tersedia dalam berbagai tipe antara lain:

- ▶ Flat bar / Strip
- ▶ Hexagonal bar
- ▶ Square bar
- ▶ Round bar
- ▶ Angle bar / siku



*STANDARD MATERIAL CODES (ASTM)

Chemical Composition(%)

Fe %	Cr %	Mn %	Ni %	Si %	N %	C %
72	16.0 – 18.0	5.50 – 7.50	3.50 – 5.50	1.0	0.25	0.15

Mechanical Properties

Properties	Metric	Imperial
Tensile strength (transverse at room temperature)	685 MPa	99400 psi
Tensile strength (longitudinal at room temperature)	696 MPa	101000psi
Yield strength (transverse at room temperature)	292 MPa	42400 psi
Yield strength (longitudinal at room temperature)	301 MPa	43700 psi
Compressive yield strength	365 MPa	52900 psi
Elastic modulus	197 MPa	28573 ksi
Poisson's ratio	0.20 – 0.30	0.27 – 0.30
Elongation at break (longitudinal at room temperature)	56 %	56 %
Elongation at break (transverse at room temperature)	62.50 %	62.50 %
Hardness, Rockwell B (transverse at room temperature)	85	85
Hardness, Rockwell B (longitudinal at room temperature)	85	85

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Angle Bar Stainless Steel 201

Daftar Tabel Ukuran

Dimensi
20 x 20 x 3 mm
25 x 25 x 3 mm
30 x 30 x 3 mm
40 x 40 x 3 mm
40 x 40 x 4 mm
50 x 50 x 4 mm
50 x 50 x 5 mm
80 x 80 x 8 mm

* Panjang Angle Bar 6 Meter

Hexagonal Bar Stainless Steel 201**Daftar Tabel Ukuran**

Ukuran
6 mm
10 mm
1/4"
3/8"
1/2"
5/8"
3/4"
7/8"
1"
1 1/8"
1 1/4"
1 3/8"
1 5/8"
1 1/2"
1 3/4"
2"

* Panjang Hexagonal Bar 4 - 6 Meter

Round Bar Stainless Steel 201
Daftar Tabel Ukuran

Diameter	Diameter
3 mm	1"
4 mm	1 1/8"
5 mm	30 mm
6 mm	1 1/4"
1/4"	1 3/8"
8 mm	1 1/2"
3/8"	1 5/8"
10 mm	1 3/4"
12 mm	2"
1/2"	2 1/4"
14 mm	2 1/2"
5/8"	2 3/4"
3/4"	3"
20 mm	3 1/4"
7/8"	4"

Square Bar Stainless 201**Daftar Tabel Ukuran**

Ukuran	Ukuran
5 mm	3/4"
6 mm	7/8"
1/4"	1"
8 mm	1 1/4"
3/8"	1 3/8"
10 mm	1 1/2"
12 mm	1 5/8"
16 mm	1 3/4"
1/2"	2"
5/8"	

* Panjang Square Bar 6 Meter

Strip Stainless Steel 201**Daftar Tabel Ukuran**

Ukuran
3 mm x 40 mm
4 mm x 40 mm
4 mm x 50 mm
5 mm x 20 mm
5 mm x 30 mm
5 mm x 40 mm
6 mm x 20 mm
6 mm x 25 mm
6 mm x 40 mm
8 mm x 20 mm
10 mm x 20 mm
10 mm x 25 mm
10 mm x 35 mm

* Panjang Flat Strip 6 Meter