# Plain Bars

## Mechanical Properties

According to SNI 2052:2017

| Steel Class | Tensile Test | | | Bend Test | | TS/YS Ratio | Color Marking |
|---|---|---|---|---|---|---|---|
| | Yield Strength (YS) | Tensile Strength (TS) | Min Elongation (Min.) | Bending Angle | Inside Radius | | |
| | MPa | MPa | % | | mm | | |
| BjTP 280 | Min. 280<br>Maks. 405 | Min. 350 | 11 (d ≤ 10 mm) | 180° | 3,5d (d ≤ 16 mm) | - | Hitam |
| | | | 12 (d ≥12 mm) | 180° | 5d (d ≥ 19 mm) | | |

## Dimension

According to SNI 2052:2017

| Designation | Nominal Diameter (d) | Nominal Area (A) | Nominal Weight |
|---|---|---|---|
| | mm | $mm^2$ | kg/m |
| P 6 | 6 | 28 | 0,222 |
| P 8 | 8 | 50 | 0,395 |
| P 10 | 10 | 79 | 0,617 |
| P 12 | 12 | 113 | 0,888 |
| P 14 | 14 | 154 | 1,208 |
| P 16 | 16 | 201 | 1,578 |
| P 19 | 19 | 284 | 2,226 |
| P 22 | 22 | 380 | 2,984 |
| P 25 | 25 | 491 | 3,853 |
| P 28 | 28 | 616 | 4,834 |
| P 32 | 32 | 804 | 6,313 |
| P 36 | 36 | 1018 | 7,990 |
| P 40 | 40 | 1257 | 9,865 |
| P 50 | 50 | 1964 | 15,413 |

☐ Regular Product