

Barras de acero de dureza natural para hormigón armado

| Diám. nominal | Perim. nominal | Peso nominal | Peso por barra 12m | Secciones nominales / número de barras |       |       |       |       |       |       |        |        |        | Diám. mandril de doblado mínimo <sup>(1)</sup> |
|---------------|----------------|--------------|--------------------|----------------------------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|------------------------------------------------|
|               |                |              |                    | 1                                      | 2     | 3     | 4     | 5     | 6     | 7     | 8      | 9      | 10     |                                                |
| mm            | cm             | kg/m         | kg                 | cm <sup>2</sup>                        |       |       |       |       |       |       |        |        |        | cm                                             |
| 6             | 1.88           | 0.222        | 2.66               | 0.28                                   | 0.56  | 0.85  | 1.13  | 1.41  | 1.70  | 1.98  | 2.26   | 2.54   | 2.83   | 2.40 (4 d)                                     |
| 8             | 2.51           | 0.395        | 4.74               | 0.50                                   | 1.00  | 1.51  | 2.01  | 2.51  | 3.01  | 3.52  | 4.02   | 4.52   | 5.03   | 3.20 (4 d)                                     |
| 10            | 3.14           | 0.617        | 7.40               | 0.79                                   | 1.57  | 2.36  | 3.14  | 3.93  | 4.71  | 5.50  | 6.28   | 7.07   | 7.85   | 4.00 (4 d)                                     |
| 12            | 3.77           | 0.888        | 10.7               | 1.13                                   | 2.26  | 3.39  | 4.52  | 5.65  | 6.79  | 7.92  | 9.05   | 10.18  | 11.31  | 4.80 (4 d)                                     |
| 16            | 5.03           | 1.580        | 18.9               | 2.01                                   | 4.02  | 6.03  | 8.04  | 10.05 | 12.06 | 14.07 | 16.08  | 18.10  | 20.11  | 6.40 (4 d)                                     |
| 20            | 6.28           | 2.470        | 29.6               | 3.14                                   | 6.28  | 9.42  | 12.57 | 15.71 | 18.84 | 21.99 | 25.14  | 28.27  | 31.42  | 14.00 (7 d)                                    |
| 25            | 7.85           | 3.850        | 46.2               | 4.91                                   | 9.82  | 14.73 | 19.64 | 24.55 | 29.46 | 34.37 | 39.28  | 44.19  | 49.10  | 17.50 (7 d)                                    |
| 32            | 10.10          | 6.310        | 75.7               | 8.04                                   | 16.08 | 24.13 | 32.17 | 40.21 | 48.26 | 56.30 | 64.34  | 72.38  | 80.42  | 22.40 (7 d)                                    |
| 40            | 12.60          | 9.860        | 118.3              | 12.57                                  | 25.13 | 37.70 | 50.26 | 62.83 | 75.40 | 87.96 | 100.53 | 113.12 | 125.66 | -                                              |

(1) CIRSOC 201

Identificación de las barras



- Características mecánicas que cumplen las barras ADN 420 según norma IRAM-IAS U500-528

| Valores Característicos | Limite de fluencia | Resistencia a la tracción | Alargamiento porcentual de rotura |
|-------------------------|--------------------|---------------------------|-----------------------------------|
|                         |                    |                           |                                   |
| MPa                     | 420                | MPa                       | %                                 |
|                         |                    | 500                       | 12                                |

| Presentación      | Diámetros      |         |
|-------------------|----------------|---------|
| Barras de 12 m    | a granel       | 6 al 40 |
| Cortado y doblado | según planilla | 6 al 40 |