



**BRONMETAL**

Bronze Br

Product format:

Continuous casting

Technical characteristics:

Bronze bar continuous casting. Manufactured by continuous casting proces both horizontally and vertically and spinning. For applications in valves, hydraulic systems, bearings, bushings, nuts, crowns, axles, etc.



## MECHANICAL FEATURES

### RED BRONZES

| NAME  | MECHANICAL FEATURES |                   |    |            |
|-------|---------------------|-------------------|----|------------|
|       | Rm (O B)            | Rp 0,2 (O 0,2)    | A  | HB         |
|       | N/mm <sup>2</sup>   | N/mm <sup>2</sup> | %  | 10/1000/30 |
| RG-5  | 250                 | 80                | 14 | 70         |
|       | 300                 | 100               | 16 | 80         |
| RG-7  | 270                 | 120               | 14 | 80         |
|       | 300                 | 140               | 18 | 85         |
| RG-10 | 280                 | 150               | 7  | 85         |
|       | 350                 | 170               | 12 | 95         |

### TIN BRONZES

| NAME  | MECHANICAL FEATURES |                   |    |            |
|-------|---------------------|-------------------|----|------------|
|       | Rm (O B)            | Rp 0,2 (O 0,2)    | A  | HB         |
|       | N/mm <sup>2</sup>   | N/mm <sup>2</sup> | %  | 10/1000/30 |
| 90/10 | 250                 | 140               | 15 | 90         |
|       | 280                 | 160               | 20 | 100        |
| 88/12 | 280                 | 150               | 7  | 100        |
|       | 350                 | 180               | 15 | 110        |
| 86/14 | 300                 | 160               | 2  | 115        |
|       | 350                 | 180               | 6  | 125        |

## LEAD BRONZES

| NAME  | MECHANICAL FEATURES |                   |    |            |
|-------|---------------------|-------------------|----|------------|
|       | Rm (O B)            | Rp 0,2 (O 0,2)    | A  | HB         |
|       | N/mm <sup>2</sup>   | N/mm <sup>2</sup> | %  | 10/1000/30 |
| Pb-10 | 260                 | 100               | 12 | 85         |
|       | 280                 | 120               | 9  | 100        |
| Pb-15 | 200                 | 100               | 7  | 70         |
|       | 230                 | 120               | 10 | 85         |
| Pb-20 | 160                 | 70                | 5  | 60         |
|       | 200                 | 90                | 8  | 75         |

## ALUMINIUM-MANGANESE BRONZES

| NAME | MECHANICAL FEATURES |                   |    |            |
|------|---------------------|-------------------|----|------------|
|      | Rm (O B)            | Rp 0,2 (O 0,2)    | A  | HB         |
|      | N/mm <sup>2</sup>   | N/mm <sup>2</sup> | %  | 10/1000/30 |
| AL   | 350                 | 150               | 15 | 100        |
|      | 400                 | 180               | 25 | 110        |
| ALFE | 500                 | 180               | 15 | 115        |
|      | 550                 | 220               | 25 | 135        |
| ALNI | 600                 | 280               | 12 | 150        |
|      | 700                 | 320               | 18 | 180        |
| HR   | 600                 | 250               | 15 | 140        |
|      | 650                 | 300               | 20 | 160        |