

## SPECIAL ALLOYS

(approximate chemical composition %)

| Grades    | Standard          | Size Range (mm) | C    | Ni    | Cr    | Mn   | Si   | S     | P     | other                         | Characteristics  | Main uses               |
|-----------|-------------------|-----------------|------|-------|-------|------|------|-------|-------|-------------------------------|--|-------------------------|
| 904L SGB  | EN 10088-1 1.4539 | 0,20 - 5,00     | 0,02 | 25,00 | 20,00 | 2,00 | 0,70 | 0,010 | 0,030 | Cu 1,80<br>N 0,15             | Austenitic stainless steel with high Ni content  | Springs<br>General uses |
| 330Nb SGB | EN 10088-1 1.4887 | 0,20 - 5,00     | 0,05 | 35,00 | 19,00 | 2,00 | 1,50 | 0,015 | 0,030 | Nb 1,00                       | Good resistance to carburizing or oxidizing atmosphere   | Conveyors belt          |
| LE286 SGB | EN 10088-1 1.4944 | 0,20 - 5,00     | 0,05 | 25,00 | 15,00 | 2,00 | 1,00 | 0,015 | 0,030 | Mo 1,20<br>Ti 2,10<br>V 0,30  | Good mechanical properties and resistance to corrosion   | Springs<br>Cold heading |
| LE625 SGB | EN 10088-1 2.4831 | 0,20 - 5,00     | 0,03 | 63,00 | 22,00 | 0,50 | 0,50 | 0,015 |       | Mo 9,00<br>Cb 3,50            | Excellent resistance to pitting corrosion and stress corrosion cracking                        | Chemical processing     |
| LE600 SGB | EN 10088-1 2.4817 | 0,20 - 5,00     | 0,03 | 75,00 | 15,00 | 1,00 | 0,50 | 0,015 |       |                               | Good oxidation resistance at high temperatures; Good resistance to nitriding and carburization | Furnaces components     |
| LE601 SGB | EN 10088-1 2.4851 | 0,20 - 5,00     | 0,10 | 60,00 | 23,00 | 1,00 | 0,50 | 0,015 | 0,020 | Al 1,40                       | High resistance to oxidation and carburization   | Conveyors belt          |
| LE825 SGB | EN 10088-1 2.4858 | 0,20 - 5,00     | 0,01 | 42,00 | 22,00 | 1,00 | 0,50 | 0,015 | 0,020 | Mo 3,00<br>Cu 2,00<br>Ti 0,90 | Excellent resistance to stress corrosion cracking; resistance to acid solutions                | pickling equipment      |
| LE750 SGB | EN 10088-1 2.4669 | 0,20 - 5,00     | 0,08 | 73,00 | 15,00 | 1,00 | 0,50 | 0,015 | 0,020 | Ti 2,50<br>Al 0,70<br>Cb 0,90 | Good resistance to corrosion and oxidation   | Springs<br>Cold heading |
| LE888 SGB | EN 10088-1 2.4711 | 0,20 - 5,00     | 0,15 | 15,00 | 20,00 | 2,00 |      |       |       | Cb 40,00                      | Excellent resistance to corrosion; high mechanical properties up to 450°C                      | Springs                 |

## Packaging



| Delivery form | COILS       | K355        | 760F        | 760FF       | Z2          | Z PLUS      | Z3          | ZF          | Carton 1    | Carton 2    | AP          |
|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Ø range       | 1,00 / 9,00 | 0,80 / 1,20 | 1,20 / 4,00 | 1,20 / 4,00 | 1,20 / 4,00 | 1,20 / 5,00 | 2,00 / 5,00 | 2,00 / 5,50 | 1,20 / 5,50 | 1,20 / 5,50 | 1,20 / 8,00 |
| internal Ø mm | 400 / 750   | 35          | 42          | 42          | 356         | 380         | 500         | 550         | 500 / 600   | 500 / 600   | 450         |
| external Ø mm | 500 / 850   | 355         | 760         | 760         | 700         | 750         | 800         | 800         | 800         | 800         | 950         |
| Height mm     | 100 / 400   | 200         | 315         | 395         | 280         | 400         | 450         | 630         | 600         | 1050        | 1100        |
| Weight Kg.    | 50 / 500    | 35          | 250         | 400         | 300         | 500         | 800         | 1500        | 500         | 1000        | 800         |



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