
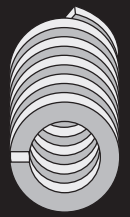
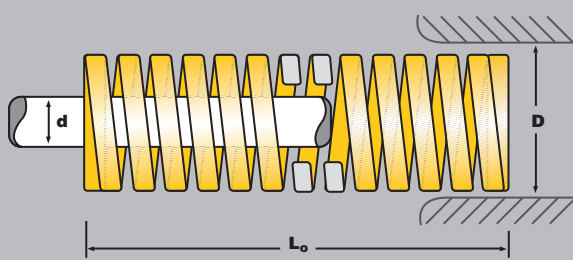



# 4S

# Carico extra forte Extra heavy load

| Codice<br>Ctg.nr. | D<br>Sede<br>Housing<br>Ømm | d<br>Spina<br>Rod<br>Ømm | L <sub>0</sub><br>Lungh. libera<br>Free length<br>mm | R<br>Rigidità □<br>Rate<br>N/mm | 17%<br>Defless. per lunga durata<br>Long Life deflection |                     | 25%<br>Defless. max di lavoro<br>Max working deflection |                     | APPROX <br>Molla a blocco<br>Spring to solid |                     | Nr. pezzi<br>Nr. pcs |
|-------------------|-----------------------------|--------------------------|--|---------------------------------|--|---------------------|---|---------------------|---|---------------------|----------------------|
|                   |                             |                          |  |                                 | Deflessione<br>Deflection<br>mm                          | Carico<br>Load<br>N | Deflessione<br>Deflection<br>mm                         | Carico<br>Load<br>N | Deflessione<br>Deflection<br>mm   | Carico<br>Load<br>N |                      |
| 4S10025           | 10                          | 5                        | 25   | 36.8                            | 4.3  | 156                 | 6.3   | 230                 | 9   | 331                 | 100                  |
| 4S10032           |                             |                          | 32   | 27.9                            | 5.4  | 152                 | 8.0   | 223                 | 12  | 335                 | 100                  |
| 4S10038           |                             |                          | 38   | 23.7                            | 6.5  | 153                 | 9.5   | 225                 | 14  | 332                 | 100                  |
| 4S10045           |                             |                          | 44   | 19.2                            | 7.5  | 144                 | 11.0  | 211                 | 17  | 326                 | 100                  |
| 4S10050           |                             |                          | 51   | 16.5                            | 8.7  | 143                 | 12.8  | 210                 | 19  | 314                 | 100                  |
| 4S10065           |                             |                          | 64   | 13.2                            | 10.9   | 144                 | 16.0  | 211                 | 23  | 304                 | 50                   |
| 4S10075           |                             |                          | 76   | 10.9                            | 12.9   | 141                 | 19.0  | 207                 | 30  | 327                 | 50                   |
| 4S10303           |                             |                          | 305  | 2.6                             | 51.9   | 135                 | 76.3  | 198                 | 117   | 304                 | 20                   |
| 4S13025           | 12.5                        | 6.3                      | 25   | 58.5                            | 4.3  | 249                 | 6.3   | 366                 | 9   | 527                 | 100                  |
| 4S13032           |                             |                          | 32   | 43.9                            | 5.4  | 239                 | 8.0   | 351                 | 12  | 527                 | 100                  |
| 4S13038           |                             |                          | 38   | 36.0                            | 6.5  | 233                 | 9.5   | 342                 | 14  | 504                 | 100                  |
| 4S13045           |                             |                          | 44   | 30.3                            | 7.5  | 227                 | 11.0  | 333                 | 18  | 545                 | 100                  |
| 4S13050           |                             |                          | 51   | 26.2                            | 8.7  | 227                 | 12.8  | 334                 | 20  | 524                 | 100                  |
| 4S13065           |                             |                          | 64   | 21.2                            | 10.9   | 231                 | 16.0  | 339                 | 27  | 572                 | 50                   |
| 4S13075           |                             |                          | 76   | 17.1                            | 12.9   | 221                 | 19.0  | 325                 | 32  | 547                 | 50                   |
| 4S13090           |                             |                          | 89   | 14.5                            | 15.1   | 219                 | 22.3  | 323                 | 38  | 551                 | 50                   |
| 4S13101           |                             |                          | 102  | 12.5                            | 17.3   | 216                 | 25.5  | 319                 | 41  | 513                 | 50                   |
| 4S13303           |                             |                          | 305  | 4.3                             | 51.9   | 223                 | 76.3  | 328                 | 115   | 495                 | 20                   |
| 4S16025           | 16                          | 8                        | 25   | 118.0                           | 4.3  | 502                 | 6.3   | 738                 | 10  | 1180                | 100                  |
| 4S16032           |                             |                          | 32   | 89.0                            | 5.4  | 484                 | 8.0   | 712                 | 12  | 1068                | 100                  |
| 4S16038           |                             |                          | 38   | 72.1                            | 6.5  | 466                 | 9.5   | 685                 | 14  | 1009                | 100                  |
| 4S16045           |                             |                          | 44   | 60.9                            | 7.5  | 456                 | 11.0  | 670                 | 17  | 1035                | 100                  |
| 4S16050           |                             |                          | 51   | 52.3                            | 8.7  | 453                 | 12.8  | 667                 | 19  | 994                 | 100                  |
| 4S16065           |                             |                          | 64   | 41.2                            | 10.9   | 448                 | 16.0  | 659                 | 25  | 1030                | 50                   |
| 4S16075           |                             |                          | 76   | 34.1                            | 12.9   | 441                 | 19.0  | 648                 | 29  | 989                 | 50                   |
| 4S16090           |                             |                          | 89   | 29.5                            | 15.1   | 446                 | 22.3  | 656                 | 36  | 1062                | 50                   |
| 4S16101           |                             |                          | 102  | 25.6                            | 17.3   | 444                 | 25.5  | 653                 | 38  | 973                 | 50                   |
| 4S16303           |                             |                          | 305  | 8.4                             | 51.9   | 436                 | 76.3  | 641                 | 120   | 1008                | 20                   |
| 4S19025           | 20                          | 10                       | 25   | 293.0                           | 4.3  | 1245                | 6.3   | 1831                | 7   | 2051                | 100                  |
| 4S19032           |                             |                          | 32   | 224.0                           | 5.4  | 1219                | 8.0   | 1792                | 10  | 2240                | 100                  |
| 4S19038           |                             |                          | 38   | 177.0                           | 6.5  | 1143                | 9.5   | 1682                | 12  | 2124                | 100                  |
| 4S19045           |                             |                          | 44   | 149.0                           | 7.5  | 1115                | 11.0  | 1639                | 14  | 2086                | 100                  |
| 4S19050           |                             |                          | 51   | 128.0                           | 8.7  | 1110                | 12.8  | 1632                | 16  | 2048                | 100                  |
| 4S19065           |                             |                          | 64   | 99.0                            | 10.9   | 1077                | 16.0  | 1584                | 22  | 2178                | 50                   |
| 4S19075           |                             |                          | 76   | 81.7                            | 12.9   | 1056                | 19.0  | 1552                | 25  | 2043                | 50                   |
| 4S19090           |                             |                          | 89   | 69.5                            | 15.1   | 1052                | 22.3  | 1546                | 31  | 2155                | 50                   |
| 4S19101           |                             |                          | 102  | 60.6                            | 17.3   | 1051                | 25.5  | 1545                | 36  | 2182                | 50                   |
| 4S19115           |                             |                          | 115  | 53.0                            | 19.6   | 1036                | 28.8  | 1524                | 42  | 2226                | 20                   |
| 4S19126           |                             |                          | 127  | 47.5                            | 21.6   | 1026                | 31.8  | 1508                | 43  | 2043                | 20                   |
| 4S19140           |                             |                          | 139  | 43.0                            | 23.6   | 1016                | 34.8  | 1494                | 48  | 2064                | 20                   |
| 4S19151           |                             |                          | 152  | 39.0                            | 25.8   | 1008                | 38.0  | 1482                | 52  | 2028                | 20                   |
| 4S19303           |                             |                          | 305  | 21.2                            | 51.9   | 1099                | 76.3  | 1617                | 105   | 2226                | 10                   |
| 4S26032           | 25                          | 12.5                     | 32   | 374.4                           | 5.4  | 2037                | 8.0   | 2995                | 11  | 4118                | 50                   |
| 4S26038           |                             |                          | 38   | 346.0                           | 6.5  | 2235                | 9.5   | 3287                | 13  | 4498                | 50                   |
| 4S26045           |                             |                          | 44   | 244.0                           | 7.5  | 1825                | 11.0  | 2684                | 16  | 3904                | 50                   |
| 4S26050           |                             |                          | 51   | 207.5                           | 8.7  | 1799                | 12.8  | 2646                | 18  | 3735                | 50                   |
| 4S26065           |                             |                          | 64   | 161.0                           | 10.9   | 1752                | 16.0  | 2576                | 23  | 3703                | 50                   |
| 4S26075           |                             |                          | 76   | 130.8                           | 12.9   | 1690                | 19.0  | 2485                | 26  | 3401                | 20                   |
| 4S26090           |                             |                          | 89   | 110.5                           | 15.1   | 1672                | 22.3  | 2459                | 31  | 3426                | 20                   |
| 4S26101           |                             |                          | 102  | 96.3                            | 17.3   | 1670                | 25.5  | 2456                | 36  | 3467                | 20                   |
| 4S26115           |                             |                          | 115  | 85.7                            | 19.6   | 1675                | 28.8  | 2464                | 41  | 3514                | 20                   |
| 4S26126           |                             |                          | 127  | 76.3                            | 21.6   | 1647                | 31.8  | 2423                | 47  | 3586                | 10                   |
| 4S26151           |                             |                          | 152  | 63.5                            | 25.8   | 1641                | 38.0  | 2413                | 54  | 3429                | 10                   |
| 4S26176           |                             |                          | 178  | 53.9                            | 30.3   | 1631                | 44.5  | 2399                | 63  | 3396                | 10                   |
| 4S26202           |                             |                          | 203  | 47.0                            | 34.5   | 1622                | 50.8  | 2385                | 72  | 3384                | 10                   |
| 4S26303           |                             |                          | 305  | 30.9                            | 51.9   | 1602                | 76.3  | 2356                | 113   | 3492                | 5                    |



BORDIGNON

| Codice<br>Ctg.nr. | D<br>Sede<br>Housing<br>Ømm | d<br>Spina<br>Rod<br>Ømm | L <sub>0</sub><br>Lungh. libera<br>Free length<br>mm | R<br>Rigidità<br>Rate<br>N/mm | 17%<br>Defless. per lunga durata<br>Long Life deflection |                     | 25%<br>Defless. max di lavoro<br>Max working deflection |                     | APPROX <br>Molla a blocco<br>Spring to solid |                     | Nr. pezzi<br>Nr. pcs |       |    |
|-------------------|-----------------------------|--------------------------|--|-------------------------------|--|---------------------|---|---------------------|---|---------------------|----------------------|-------|----|
|                   |                             |                          |  |                               | Deflessione<br>Deflection<br>mm                          | Carico<br>Load<br>N | Deflessione<br>Deflection<br>mm                         | Carico<br>Load<br>N | Deflessione<br>Deflection<br>mm   | Carico<br>Load<br>N |                      |       |    |
| 4S32038           | 32                          | 16                       | 38   | 528.2                         | 6.5  | 3412                | 9.5   | 5018                | 12  | 6338                | 20                   |       |    |
| 4S32045           |                             |                          | 44   | 424.4                         | 7.5  | 3175                | 11.0  | 4668                | 15  | 6366                | 20                   |       |    |
| 4S32050           |                             |                          | 51   | 353.0                         | 8.7  | 3061                | 12.8  | 4501                | 17  | 6001                | 20                   |       |    |
| 4S32065           |                             |                          | 64   | 269.2                         | 10.9   | 2929                | 16.0  | 4307                | 22  | 5922                | 20                   |       |    |
| 4S32075           |                             |                          | 76   | 218.5                         | 12.9   | 2823                | 19.0  | 4152                | 25  | 5463                | 20                   |       |    |
| 4S32090           |                             |                          | 89   | 180.3                         | 15.1   | 2728                | 22.3  | 4012                | 33  | 5950                | 20                   |       |    |
| 4S32101           |                             |                          | 102  | 155.0                         | 17.3   | 2688                | 25.5  | 3953                | 36  | 5580                | 20                   |       |    |
| 4S32115           |                             |                          | 115  | 140.0                         | 19.6   | 2737                | 28.8  | 4025                | 42  | 5880                | 10                   |       |    |
| 4S32126           |                             |                          | 127  | 124.0                         | 21.6   | 2677                | 31.8  | 3937                | 46  | 5704                | 10                   |       |    |
| 4S32151           |                             |                          | 152  | 102.0                         | 25.8   | 2636                | 38.0  | 3876                | 56  | 5712                | 10                   |       |    |
| 4S32176           |                             |                          | 178  | 88.2                          | 30.3   | 2669                | 44.5  | 3925                | 64  | 5645                | 10                   |       |    |
| 4S32202           |                             |                          | 203  | 76.0                          | 34.5   | 2623                | 50.8  | 3857                | 71  | 5396                | 10                   |       |    |
| 4S32252           |                             |                          | 254  | 60.8                          | 43.2   | 2625                | 63.5  | 3861                | 90  | 5472                | 5                    |       |    |
| 4S32303           |                             |                          | 305  | 49.0                          | 51.9   | 2541                | 76.3  | 3736                | 103   | 5047                | 5                    |       |    |
| 4S38050           |                             |                          | 40   | 20                            | 51   | 628.0               | 8.7   | 5445                | 12.8  | 8007                | 17                   | 10676 | 20 |
| 4S38065           | 64                          | 487.0                    |  |                               | 10.9   | 5299                | 16.0  | 7792                | 23  | 11201               | 20                   |       |    |
| 4S38075           | 76                          | 379.0                    |  |                               | 12.9   | 4897                | 19.0  | 7201                | 27  | 10233               | 20                   |       |    |
| 4S38090           | 89                          | 321.0                    |  |                               | 15.1   | 4857                | 22.3  | 7142                | 31  | 9951                | 20                   |       |    |
| 4S38101           | 102                         | 281.0                    |  |                               | 17.3   | 4873                | 25.5  | 7166                | 36  | 10116               | 20                   |       |    |
| 4S38115           | 115                         | 245.0                    |  |                               | 19.6   | 4790                | 28.8  | 7044                | 40  | 9800                | 10                   |       |    |
| 4S38126           | 127                         | 221.0                    |  |                               | 21.6   | 4771                | 31.8  | 7017                | 44  | 9724                | 10                   |       |    |
| 4S38140           | 139                         | 202.0                    |  |                               | 23.6   | 4773                | 34.8  | 7020                | 52  | 10504               | 10                   |       |    |
| 4S38151           | 152                         | 168.0                    |  |                               | 25.8   | 4341                | 38.0  | 6384                | 56  | 9408                | 10                   |       |    |
| 4S38176           | 178                         | 148.0                    |  |                               | 30.3   | 4478                | 44.5  | 6586                | 61  | 9028                | 10                   |       |    |
| 4S38202           | 203                         | 132.0                    |  |                               | 34.5   | 4555                | 50.8  | 6699                | 73  | 9636                | 5                    |       |    |
| 4S38252           | 254                         | 107.0                    |  |                               | 43.2   | 4620                | 63.5  | 6795                | 93  | 9951                | 5                    |       |    |
| 4S38303           | 305                         | 87.8                     |  |                               | 51.9   | 4552                | 76.3  | 6695                | 106   | 9307                | 5                    |       |    |
| 4S51065           | 50                          | 25                       |  |                               | 64   | 709.0               | 10.9  | 7714                | 16.0  | 11344               | 21                   | 14889 | 20 |
| 4S51075           |                             |                          |  |                               | 76   | 572.0               | 12.9  | 7390                | 19.0  | 10868               | 25                   | 14300 | 20 |
| 4S51090           |                             |                          | 89   | 475.0                         | 15.1   | 7187                | 22.3  | 10569               | 28  | 13300               | 10                   |       |    |
| 4S51101           |                             |                          | 102  | 405.0                         | 17.3   | 7023                | 25.5  | 10328               | 33  | 13365               | 10                   |       |    |
| 4S51115           |                             |                          | 115  | 352.0                         | 19.6   | 6882                | 28.8  | 10120               | 38  | 13376               | 10                   |       |    |
| 4S51126           |                             |                          | 127  | 316.0                         | 21.6   | 6822                | 31.8  | 10033               | 43  | 13588               | 10                   |       |    |
| 4S51140           |                             |                          | 139  | 289.0                         | 23.6   | 6829                | 34.8  | 10043               | 47  | 13583               | 10                   |       |    |
| 4S51151           |                             |                          | 152  | 239.0                         | 25.8   | 6176                | 38.0  | 9082                | 53  | 12667               | 10                   |       |    |
| 4S51176           |                             |                          | 178  | 216.0                         | 30.3   | 6536                | 44.5  | 9612                | 60  | 12960               | 5                    |       |    |
| 4S51202           |                             |                          | 203  | 187.0                         | 34.5   | 6453                | 50.8  | 9490                | 71  | 13277               | 5                    |       |    |
| 4S51252           |                             |                          | 254  | 153.0                         | 43.2   | 6607                | 63.5  | 9716                | 91  | 13923               | 5                    |       |    |
| 4S51303           |                             |                          | 305  | 127.0                         | 51.9   | 6585                | 76.3  | 9684                | 106   | 13462               | 5                    |       |    |
| 4S63075           |                             |                          | 63   | 38                            | 76   | 842.0               | 12.9  | 10879               | 19.0  | 15998               | 24                   | 20208 | 20 |
| 4S63090           |                             |                          |  |                               | 89   | 726.0               | 15.1  | 10984               | 22.3  | 16154               | 28                   | 20328 | 10 |
| 4S63101           |                             |                          |  |                               | 102  | 656.0               | 17.3  | 11375               | 25.5  | 16728               | 31                   | 20336 | 10 |
| 4S63115           | 115                         | 534.0                    |  |                               | 19.6   | 10440               | 28.8  | 15353               | 38  | 20292               | 10                   |       |    |
| 4S63126           | 127                         | 480.0                    |  |                               | 21.6   | 10363               | 31.8  | 15240               | 42  | 20160               | 10                   |       |    |
| 4S63151           | 152                         | 396.0                    |  |                               | 25.8   | 10233               | 38.0  | 15048               | 51  | 20196               | 10                   |       |    |
| 4S63176           | 178                         | 335.0                    |  |                               | 30.3   | 10137               | 44.5  | 14908               | 60  | 20100               | 5                    |       |    |
| 4S63202           | 203                         | 297.0                    |  |                               | 34.5   | 10249               | 50.8  | 15073               | 68  | 20196               | 5                    |       |    |
| 4S63252           | 254                         | 235.0                    |  |                               | 43.2   | 10147               | 63.5  | 14923               | 85  | 19975               | 5                    |       |    |
| 4S63303           | 305                         | 194.0                    |  |                               | 51.9   | 10059               | 76.3  | 14793               | 103   | 19982               | 5                    |       |    |

1 N = 0.102 kg  
1 kg = 9.81 N