

STEEL SPECIFICATION COMPARISONS

| BS970 : 1970/72 BS970 : 1983 | BS970 : 1955 EN SERIES | BS970 : 1970/72 BS970 : 1983 | BS970 : 1955 EN SERIES | BS970 : 1970/72 BS970 : 1983 | BS970 : 1955 EN SERIES |
|---------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|---------------------------|
| 040A04 | 2A, 2A/1, 2B | 250A53 | 45 | 605A37 | 16C |
| 040A10 | 2A, 2A/1, 2B | 250A58 | 45A | 605M30 | 16D |
| 040A12 | 2A, 2A/1, 2B | 250A61 | 45B | 605M36 | 16 |
| 040A22 | 2C, 2D | 302S25 | 5BA | 606M36 | 16M |
| 045M10 | 32A | 303S21 | 58M | 608M38 | 17 |
| 050A20 | 2C, 2D | 303S41 | 58M | 635M15 | 351 |
| 055M15 | 2 | 304S15 | 58E | 637M17 | 352 |
| 060A62 | 43D | 315S16 | 58H | 640A35 | 111A |
| 060A96 | 44, 44B | 316S16 | 58J | 640M40 | 111 |
| 070A72 | 42 | 320S17 | 58J | 653M31 | 23 |
| 070A78 | 42 | 321S12 | 58B, 58C | 655M13 | 36A |
| 070M20 | 3A, 3C | 321S20 | 58B, 58C | 659M15 | 39A |
| 070M55 | 9 | 325S21 | 58M | 665A22 | 35A |
| 080M15 | 32C | 331S40 | 54 | 665A24 | 35B |
| 080A27 | 5A | 331S42 | 54A | 665M17 | 34 |
| 080A30 | 5B | 347S17 | 54F, 58G | 665M23 | 35 |
| 080A32 | 5C | 401S45 | 52 | 708A37 | 19B |
| 080A35 | 8A | 410S21 | 56A | 708A42 | 19C |
| 080A37 | 8B | 416S21 | 56AM | 708M40 | 19A |
| 080A40 | 8C | 416S29 | 56BM | 709M40 | 19 |
| 080A42 | 8D | 416S37 | 56CM | 722M24 | 40B |
| 080A47 | 43B | 416S41 | 56AM | 735A50 | 47 |
| 080A52 | 43C | 420S29 | 56B | 785M19 | 13 |
| 080A67 | 43E | 420S37 | 56C | 805M17 | 361 |
| 080M15 | 32C | 420S45 | 56D | 805M20 | 362 |
| 080M30 | 5 | 430S17 | 60 | 805M25 | 363 |
| 080M40 | 8 | 431S29 | 57 | 815M17 | 353 |
| 080M50 | 43A | 443S65 | 509 | 816M40 | 110 |
| 120M36 | 15B | 503A37 | 12B | 817M40 | 24 |
| 130M15 | 201 | 503A42 | 12C | 820M17 | 354 |
| 150M19 | 14A, 14B | 503M40 | 12 | 822M17 | 355 |
| 150M28 | 14A, 14B | 523A14 | 206 | 826M31 | 25 |
| 150M36 | 15 | 526M60 | 11 | 826M40 | 26 |
| 210M15 | 32M | 527A19 | 207 | 830M31 | 27 |
| 212A37 | 8BM | 527A60 | 48 | 832M13 | 36C |
| 212A42 | 8DM | 530A30 | 18A | 835M15 | 39B |
| 212M36 | 8M | 530A32 | 18B | 835M30 | 30B |
| 212M44 | 8M | 530A36 | 18C | 897M39 | 40C |
| 214M15 | 202 | 530A40 | 18D | 905M31 | 41A |
| 216M36 | 15AM | 530M40 | 18 | 905M39 | 41B |
| 220M07 | 1A | 534A99 | 31 | 945A40 | 100C |
| 230M07 | 1A | 535A99 | 31 | 945M38 | 100 |
| 240M07 | 1B | 605A32 | 16B | | |

REFERENCE SYMBOLS FOR TENSILE STRENGTH RANGES OF HARDENED AND TEMPERED MATERIAL
the various tensile strength rates for the different specifications have been designated with the reference symbols P to Z.

NOTE: Tensile strength is governed by ruling section of bar when being heat treated.

For further details please consult
BS970 : 1983 Part I

| REFERENCE SYMBOL | TENSILE STRENGTH N/mm ² |
|------------------|------------------------------------|
| P | 550 - 700 |
| Q | 625 - 775 |
| R | 700 - 850 |
| S | 775 - 925 |
| T | 850 - 1000 |
| U | 925 - 1075 |

| REFERENCE SYMBOL | TENSILE STRENGTH N/mm ² |
|------------------|------------------------------------|
| V | 1000 - 1150 |
| W | 1075 - 1225 |
| X | 1150 - 1300 |
| Y | 1225 - 1375 |
| Z | 1550 MIN |