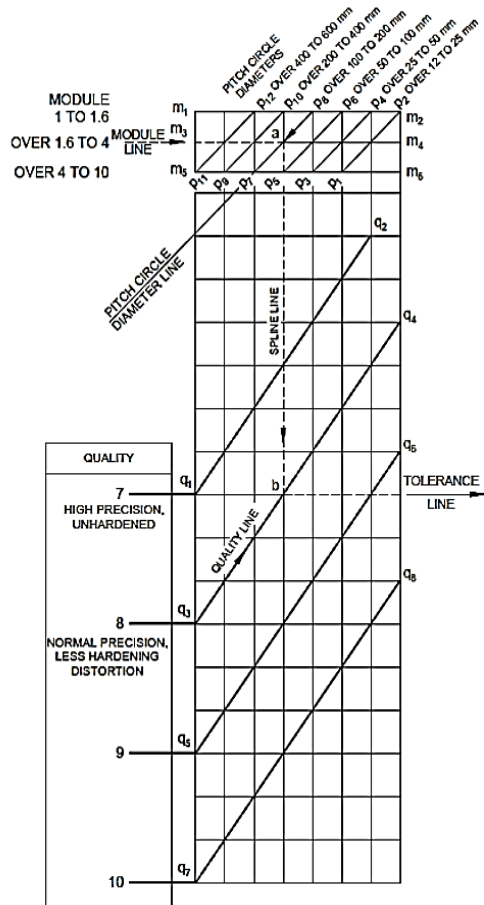


Table 12 Tolerance for Spline Tooth Thickness and Space Width

(Foreword and Clauses 6.11.3)

Values in Micrometres



| SI No. | Internal Spline Deviations of Space Width Upper ES Lower EI | | | | | External Spline Deviation of Tooth Thickness Upper ES Lower EI | | | | | | | | | | |
|--------|--|-------------|------------|----------|------------|---|------------|----------|------------|-------------|-------------|--------------|--------------|--------------|--------------|------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) |
| | E | F | G | H | m | k | j | h | g | f | e | d | c | b | A | |
| i) | +45 +27 | +36 +18 | +27 +9 | +18 0 | +27 +9 | +18 0 | +9 -9 | 0 -18 | -9 -27 | -18 -36 | -27 -45 | -36 -54 | -45 -63 | -54 -72 | -63 -81 | |
| ii) | +50 +30 | +40 +40 | +30 +10 | +20 0 | +30 +10 | +20 0 | +10 -10 | 0 -20 | -10 -30 | -20 -40 | -30 -50 | -40 -60 | -50 -70 | -60 -80 | -70 -90 | |
| iii) | +55 +33 | +44 +22 | +33 +11 | +22 0 | +33 +11 | +22 0 | +11 -11 | 0 -22 | -11 -33 | -22 -44 | -33 -55 | -44 -66 | -55 -77 | -66 -88 | -77 -99 | |
| iv) | +62 +37 | +50 +25 | +37 +12 | +25 0 | +37 +12 | +25 0 | +12 -13 | 0 -25 | -12 -37 | -25 -50 | -37 -62 | -50 -75 | -62 -87 | -75 -100 | -87 -112 | |
| v) | +70 +42 | +56 +28 | +42 +14 | +28 0 | +42 +14 | +28 0 | +14 -14 | 0 -28 | -14 -42 | -28 -56 | -42 -70 | -56 -84 | -70 -98 | -84 -112 | -98 -126 | |
| vi) | +80 +48 | +64 +32 | +48 +16 | +32 0 | +48 +16 | +32 0 | +16 -16 | 0 -32 | -16 -48 | -32 -64 | -48 -80 | -64 -96 | -80 -112 | -96 -128 | -112 -144 | |
| vii) | +90 +54 | +72 +36 | +54 +18 | +36 0 | +54 +18 | +36 0 | +18 -18 | 0 -36 | -18 -54 | -36 -72 | -54 -90 | -72 -108 | -90 -126 | -108 -144 | -126 -162 | |
| viii) | +100 +60 | +80 +40 | +60 +20 | +40 0 | +60 +20 | +40 0 | +20 -20 | 0 -40 | -20 -60 | -40 -80 | -60 -100 | -80 -120 | -100 -140 | -120 -160 | -140 -180 | |
| ix) | +112 +67 | +90 +45 | +67 +22 | +45 0 | +67 +22 | +45 0 | +22 -23 | 0 -45 | -22 -67 | -45 -90 | -67 -112 | -90 -135 | -112 -157 | -135 -180 | -157 -202 | |
| x) | +125 +75 | +100 +50 | +75 +25 | +50 0 | +75 +25 | +50 0 | +25 -25 | 0 -50 | -25 -75 | -50 -100 | -75 -125 | -100 -150 | -125 -175 | -150 -200 | -175 -225 | |
| xi) | +140 +84 | +112 +56 | +84 +28 | +56 0 | +84 +28 | +56 0 | +28 -28 | 0 -56 | -28 -84 | -56 -112 | -84 -140 | -112 -168 | -140 -196 | -168 -224 | -196 -252 | |
| xii) | +158 +95 | +126 +63 | +95 +32 | +63 0 | +95 +32 | +63 0 | +32 -31 | 0 -63 | -32 -95 | -63 -126 | -95 -158 | -126 -189 | -158 -221 | -189 -252 | -221 -284 | |