

3 配合的选择

3.1 基本尺寸至 500 mm 的配合

基本尺寸至 500 mm 的基孔制优先和常用配合规定于表 1，基轴制的优先和常用配合规定于表 2，其极限间隙或极限过盈见附录 A（标准的附录）。选择时，首先选用表中的优先配合，其次选用常用配合。

3.2 基本尺寸大于 500~3 150 mm 的配合

基本尺寸大于 500~3 150 mm 的配合一般采用基孔制的同级配合。根据零件制造特点，如采用配制配合，可按附录 B（提示的附录）的规定。

表 2 基轴制优先、常用配合

| 基准轴 | 孔 | | | | | | | | | | | | | | | | | | | | | |
|-----|-------------------|-------------------|-------------------|-------------------|-----------------|-----------------|-----------------|-------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---|---|---|---|--|
| | A | B | C | D | E | F | G | H | JS | K | M | N | P | R | S | T | U | V | X | Y | Z | |
| | 间隙配合 | | | | | | | 过渡配合 | | | | | 过盈配合 | | | | | | | | | |
| h5 | | | | | | $\frac{F6}{h5}$ | $\frac{G6}{h5}$ | $\frac{H6}{h5}$ | $\frac{JS6}{h5}$ | $\frac{K6}{h5}$ | $\frac{M6}{h5}$ | $\frac{N6}{h5}$ | $\frac{P6}{h5}$ | $\frac{R6}{h5}$ | $\frac{S6}{h5}$ | $\frac{T6}{h5}$ | | | | | | |
| h6 | | | | | | $\frac{F7}{h6}$ | $\frac{G7}{h6}$ | $\frac{H7}{h6}$ | $\frac{JS7}{h6}$ | $\frac{K7}{h6}$ | $\frac{M7}{h6}$ | $\frac{N7}{h6}$ | $\frac{P7}{h6}$ | $\frac{R7}{h6}$ | $\frac{S7}{h6}$ | $\frac{T7}{h6}$ | $\frac{U7}{h6}$ | | | | | |
| h7 | | | | | $\frac{E8}{h7}$ | $\frac{F8}{h7}$ | | $\frac{H8}{h7}$ | $\frac{JS8}{h7}$ | $\frac{K8}{h7}$ | $\frac{M8}{h7}$ | $\frac{N8}{h7}$ | | | | | | | | | | |
| h8 | | | | $\frac{D8}{h8}$ | $\frac{E8}{h8}$ | $\frac{F8}{h8}$ | | $\frac{H8}{h8}$ | | | | | | | | | | | | | | |
| h9 | | | | $\frac{D9}{h9}$ | $\frac{E9}{h9}$ | $\frac{F9}{h9}$ | | $\frac{H9}{h9}$ | | | | | | | | | | | | | | |
| h10 | | | | $\frac{D10}{h10}$ | | | | $\frac{H10}{h10}$ | | | | | | | | | | | | | | |
| h11 | $\frac{A11}{h11}$ | $\frac{B11}{h11}$ | $\frac{C11}{h11}$ | $\frac{D11}{h11}$ | | | | $\frac{H11}{h11}$ | | | | | | | | | | | | | | |
| h12 | | $\frac{B12}{h12}$ | | | | | | $\frac{H12}{h12}$ | | | | | | | | | | | | | | |

注：标注▣的配合为优先配合。

附录 A
(标准的附录)

基本尺寸至 500 mm 的优先、常用配合极限间隙或极限过盈

表 A1 极限间隙或极限过盈

μm

| 基孔制 | $\frac{H6}{f5}$ | $\frac{H6}{g5}$ | $\frac{H6}{h5}$ | $\frac{H7}{f6}$ | $\frac{H7}{g6}$ | $\frac{H7}{h6}$ | $\frac{H8}{e7}$ | $\frac{H8}{f7}$ | $\frac{H8}{g7}$ | $\frac{H8}{h7}$ | $\frac{H8}{d8}$ | $\frac{H8}{e8}$ | $\frac{H8}{f8}$ | $\frac{H8}{h8}$ | $\frac{H8}{h8}$ | $\frac{H9}{c9}$ | $\frac{H9}{d9}$ |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 基轴制 | $\frac{F6}{h5}$ | $\frac{G6}{h5}$ | $\frac{H6}{h5}$ | $\frac{F7}{h6}$ | $\frac{G7}{h6}$ | $\frac{H7}{h6}$ | $\frac{E8}{h7}$ | $\frac{F8}{h7}$ | | $\frac{H8}{h7}$ | $\frac{D8}{h8}$ | $\frac{E8}{h8}$ | $\frac{F8}{h8}$ | $\frac{H8}{h8}$ | | | $\frac{D9}{h9}$ |
| 基本尺寸 mm | | 间 隙 配 合 | | | | | | | | | | | | | | | |
| 大于 | 至 | | | | | | | | | | | | | | | | |
| — | 3 | +16 + 6 | +12 + 2 | +10 0 | +22 + 6 | +18 + 2 | +16 0 | +38 +14 | +30 + 6 | +26 + 2 | +24 0 | +48 +20 | +42 +14 | +34 + 6 | +28 0 | +110 + 60 | +70 +20 |
| 3 | 6 | +23 +10 | +17 + 4 | +13 0 | +30 +10 | +24 + 4 | +20 0 | +50 +20 | +40 +10 | +34 + 4 | +30 0 | +66 +30 | +56 +20 | +46 +10 | +36 0 | +130 + 70 | +90 +30 |
| 6 | 10 | +28 +13 | +20 + 5 | +15 0 | +37 +13 | +29 + 5 | +24 0 | +62 +25 | +50 +13 | +42 + 5 | +37 0 | +84 +40 | +69 +25 | +57 +13 | +44 0 | +152 + 80 | +112 + 40 |
| 10 | 14 | +35 | +25 | +19 | +45 | +35 | +29 | +77 | +61 | +51 | +45 | +104 | +86 | +70 | +54 | +181 | +136 |
| 14 | 18 | +16 | + 6 | 0 | +16 | + 6 | 0 | +32 | +16 | + 6 | 0 | + 50 | +32 | +16 | 0 | + 95 | + 50 |
| 18 | 24 | +42 | +29 | +22 | +54 | +41 | +34 | +94 | +74 | +61 | +54 | +131 | +106 | +86 | +66 | +214 | +169 |
| 24 | 30 | +20 | + 7 | 0 | +20 | + 7 | 0 | +40 | +20 | + 7 | 0 | + 65 | + 40 | +20 | 0 | +110 | + 65 |
| 30 | 40 | +52 | +36 | +27 | +66 | +50 | +41 | +114 | +89 | +73 | +64 | +158 | +128 | +103 | +78 | +244 +120 | +204 |
| 40 | 50 | +25 | + 9 | 0 | +25 | + 9 | 0 | + 50 | +25 | + 9 | 0 | + 80 | + 50 | + 25 | 0 | +254 +130 | + 80 |
| 50 | 65 | +62 | +42 | +32 | +79 | +59 | +49 | +136 | +106 | +86 | +76 | +192 | +152 | +122 | +92 | +288 +140 | +248 |
| 65 | 80 | +30 | +10 | 0 | +30 | +10 | 0 | + 60 | + 30 | +10 | 0 | +100 | + 60 | + 30 | 0 | +298 +150 | +100 |
| 80 | 100 | +73 | +49 | +37 | +93 | +69 | +57 | +161 | +125 | +101 | +89 | +228 | +180 | +144 | +108 | +344 +170 | +294 |
| 100 | 120 | +36 | +12 | 0 | +36 | +12 | 0 | + 72 | + 36 | + 12 | 0 | +120 | + 72 | + 36 | 0 | +354 +180 | +120 |
| 120 | 140 | | | | | | | | | | | | | | | +400 +200 | |
| 140 | 160 | +86 +43 | +57 +14 | +43 0 | +108 + 43 | +79 +14 | +65 0 | +188 + 85 | +146 + 43 | +117 + 14 | +103 0 | +271 +145 | +211 + 85 | +169 + 43 | +126 0 | +410 +210 | +345 +145 |
| 160 | 180 | | | | | | | | | | | | | | | +430 +230 | |
| 180 | 200 | | | | | | | | | | | | | | | +470 +240 | |
| 200 | 225 | +99 +50 | +64 +15 | +49 0 | +125 + 50 | +90 +15 | +75 0 | +218 +100 | +168 + 50 | +133 + 15 | +118 0 | +314 +170 | +244 +100 | +194 + 50 | +144 0 | +490 +260 | +400 +170 |
| 225 | 250 | | | | | | | | | | | | | | | +510 +280 | |
| 250 | 280 | +111 | +72 | +55 | +140 | +101 | +84 | +243 | +189 | +150 | +133 | +352 | +272 | +218 | +162 | +560 +300 | +450 |
| 280 | 315 | + 56 | +17 | 0 | + 56 | + 17 | 0 | +110 | + 56 | + 17 | 0 | +190 | +110 | + 56 | 0 | +590 +330 | +190 |
| 315 | 355 | +123 | +79 | +61 | +155 | +111 | +93 | +271 | +208 | +164 | +146 | +388 | +303 | +240 | +178 | +640 +360 | +490 |
| 355 | 400 | + 62 | +18 | 0 | + 62 | + 18 | 0 | +125 | + 62 | + 18 | 0 | +210 | +125 | + 62 | + 0 | +680 +400 | +210 |
| 400 | 450 | +135 | +87 | +67 | +171 | +123 | +103 | +295 | +228 | +180 | +160 | +424 | +329 | +262 | +194 | +750 +440 | +540 |
| 450 | 500 | + 68 | +20 | 0 | + 68 | + 20 | 0 | +135 | + 68 | + 20 | 0 | +230 | +135 | + 68 | 0 | +790 +480 | +230 |

注:

- 表中“+”值为间隙量,“-”值为过盈量。
- 标注▣的配合为优先配合。

续表 A1 极限间隙或极限过盈

μm

| 基孔制 | | $\frac{H9}{e9}$ | $\frac{H9}{f9}$ | $\frac{H9}{h9}$ | $\frac{H10}{c10}$ | $\frac{H10}{d10}$ | $\frac{H10}{h10}$ | $\frac{H11}{a11}$ | $\frac{H11}{b11}$ | $\frac{H11}{c11}$ | $\frac{H11}{d11}$ | $\frac{H11}{h11}$ | $\frac{H12}{b12}$ | $\frac{H12}{h12}$ | $\frac{H6}{js5}$ | |
|------------|-----|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|
| 基轴制 | | $\frac{E9}{h9}$ | $\frac{F9}{h9}$ | $\frac{H9}{h9}$ | | $\frac{D10}{h10}$ | $\frac{H10}{h10}$ | $\frac{A11}{h11}$ | $\frac{B11}{h11}$ | $\frac{C11}{h11}$ | $\frac{D11}{h11}$ | $\frac{H11}{h11}$ | $\frac{B12}{h12}$ | $\frac{H12}{h12}$ | | $\frac{JS6}{h5}$ |
| 基本尺寸 mm | | 间 隙 配 合 | | | | | | | | | | | | | 过 渡 配 合 | |
| 大于 | 至 | | | | | | | | | | | | | | | |
| — | 3 | +64 +14 | +56 + 6 | +50 0 | +140 + 60 | +100 + 20 | +80 0 | +390 +270 | +260 +140 | +180 + 60 | +140 + 20 | +120 0 | +340 +140 | +200 0 | +8 -2 | +7 -3 |
| 3 | 6 | +80 +20 | +70 +10 | +60 0 | +166 + 70 | +126 + 30 | +96 0 | +420 +270 | +290 +140 | +220 + 70 | +180 + 30 | +150 0 | +380 +140 | +240 0 | +10.5 - 2.5 | +9 -4 |
| 6 | 10 | +97 +25 | +85 +13 | +72 0 | +196 + 80 | +156 + 40 | +116 0 | +460 +280 | +330 +150 | +260 + 80 | +220 + 40 | +180 0 | +450 +150 | +300 0 | +12 - 3 | +10.5 - 4.5 |
| 10 | 14 | +118 + 32 | +102 + 16 | +86 0 | +235 + 95 | +190 + 50 | +140 0 | +510 +290 | +370 +150 | +315 + 95 | +270 + 50 | +220 0 | +510 +150 | +360 0 | +15 - 4 | +13.5 - 5.5 |
| 14 | 18 | | | | | | | | | | | | | | | |
| 18 | 24 | +144 + 40 | +124 + 20 | +104 0 | +278 +110 | +233 + 65 | +168 0 | +560 +300 | +420 +160 | +370 +110 | +325 + 65 | +260 0 | +580 +160 | +420 0 | +17.5 - 4.5 | +15.5 - 6.5 |
| 24 | 30 | | | | | | | | | | | | | | | |
| 30 | 40 | +174 + 50 | +149 + 25 | +124 0 | +320 +120 | +280 + 80 | +200 0 | +630 +310 | +490 +170 | +440 +120 | +400 + 80 | +320 0 | +670 +170 | +500 0 | +21.5 - 5.5 | +19 - 8 |
| 40 | 50 | | | | +330 +130 | | | +640 +320 | +500 +180 | +450 +130 | | | +680 +180 | | | |
| 50 | 65 | +208 + 60 | +178 + 30 | +148 0 | +380 +140 | +340 +100 | +240 0 | +720 +340 | +570 +190 | +520 +140 | +480 +100 | +380 0 | +790 +190 | +600 0 | +25.5 - 6.5 | +22.5 - 9.5 |
| 65 | 80 | | | | +390 +150 | | | +740 +360 | +580 +200 | +530 +150 | | | +800 +200 | | | |
| 80 | 100 | +246 + 72 | +210 + 36 | +174 0 | +450 +170 | +400 +120 | +280 0 | +820 +380 | +660 +220 | +610 +170 | +560 +120 | +440 0 | +920 +220 | +700 0 | +29.5 - 7.5 | +26 -11 |
| 100 | 120 | | | | +460 +180 | | | +850 +410 | +680 +240 | +620 +180 | | | +940 +240 | | | |
| 120 | 140 | | | | +520 +200 | | | +960 +460 | +760 +260 | +700 +200 | | | +1060 + 260 | | | |
| 140 | 160 | +285 + 85 | +243 + 43 | +200 0 | +530 +210 | +465 +145 | +320 0 | +1020 + 520 | +780 +280 | +710 +210 | +645 +145 | +500 0 | +1080 + 280 | +800 0 | +34 - 9 | +30.5 -12.5 |
| 160 | 180 | | | | +550 +230 | | | +1080 + 580 | +810 +310 | +730 +230 | | | +1110 + 310 | | | |
| 180 | 200 | | | | +610 +240 | | | +1240 + 660 | +920 +340 | +820 +240 | | | +1260 + 340 | | | |
| 200 | 225 | +330 +100 | +280 + 50 | +230 0 | +630 +260 | +540 +170 | +370 0 | +1320 + 740 | +960 +380 | +840 +260 | +750 +170 | +580 0 | +1300 + 380 | +920 0 | +39 -10 | +34.5 -14.5 |
| 225 | 250 | | | | +650 +280 | | | +1400 + 820 | +1000 + 420 | +860 +280 | | | +1340 + 420 | | | |
| 250 | 280 | +370 +110 | +316 + 56 | +260 0 | +720 +300 | +610 +190 | +420 0 | +1560 + 920 | +1120 + 480 | +940 +300 | +830 +190 | +640 0 | +1520 + 480 | +1040 0 | +43.5 -11.5 | +39 -16 |
| 280 | 315 | | | | +750 +330 | | | +1690 +1050 | +1180 + 540 | +970 +330 | | | +1580 + 540 | | | |
| 315 | 355 | +405 +125 | +342 + 62 | +280 0 | +820 +360 | +670 +210 | +460 0 | +1920 +1200 | +1320 + 600 | +1080 + 360 | +930 +210 | +720 0 | +1740 + 600 | +1140 0 | +48.5 -12.5 | +43 -18 |
| 355 | 400 | | | | +860 +400 | | | +2070 +1350 | +1400 + 680 | +1120 + 400 | | | +1820 + 680 | | | |
| 400 | 450 | +445 +135 | +378 + 68 | +310 0 | +940 +440 | +730 +230 | +500 0 | +2300 +1500 | +1560 + 760 | +1240 + 440 | +1030 + 230 | +800 0 | +2020 + 760 | +1260 0 | +53.5 -13.5 | +47 -20 |
| 450 | 500 | | | | +980 +480 | | | +2450 +1650 | +1640 + 840 | +1280 + 480 | | | +2100 + 840 | | | |

续表 A1 极限间隙或极限过盈

μm

| 基孔制 | | $\frac{H6}{k5}$ | | $\frac{H6}{m5}$ | | $\frac{H7}{js6}$ | | $\frac{H7}{k6}$ | | $\frac{H7}{m6}$ | | $\frac{H7}{n6}$ | | $\frac{H8}{js7}$ | | $\frac{H8}{k7}$ | | | | | |
|------------|-----|-----------------|----------|-----------------|----------|------------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|-----------|------------------|-----------|-----------------|------------|-------------|--|------------|--|
| 基轴制 | | $\frac{K6}{h5}$ | | $\frac{M6}{h5}$ | | $\frac{JS6}{h6}$ | | $\frac{K7}{h6}$ | | $\frac{M7}{h6}$ | | $\frac{N7}{h6}$ | | $\frac{JS8}{h7}$ | | $\frac{K8}{h7}$ | | | | | |
| 基本尺寸 mm | | 过 渡 配 合 | | | | | | | | | | | | | | | | | | | |
| 大 | 至 | | | | | | | | | | | | | | | | | | | | |
| — | 3 | +6 -4 | +4 -6 | +4 -6 | +2 -8 | +13 -3 | +11 -5 | +10 -6 | +6 -10 | ±8 | +4 -12 | +6 -10 | +2 -14 | +19 -5 | +17 -7 | +14 -10 | +10 -14 | | | | |
| 3 | 6 | +7 -6 | | +4 -9 | | +16 -4 | | +14 -6 | | +11 -9 | | +8 -12 | | +4 -16 | | +24 -6 | | +21 -9 | | +17 -13 | |
| 6 | 10 | +8 -7 | | +3 -12 | | +19.5 -4.5 | | +16 -7 | | +14 -10 | | +9 -15 | | +5 -19 | | +29 -7 | | +26 -11 | | +21 -16 | |
| 10 | 14 | +10 -9 | | +4 -15 | | +23.5 -5.5 | | +20 -9 | | +17 -12 | | +11 -18 | | +6 -23 | | +36 -9 | | +31 -13 | | +26 -19 | |
| 14 | 18 | ±11 | | +5 -17 | | +27.5 -6.5 | | +23 -10 | | +19 -15 | | +13 -21 | | +6 -28 | | +43 -10 | | +37 -16 | | +31 -23 | |
| 18 | 24 | ±11 | | +5 -17 | | +27.5 -6.5 | | +23 -10 | | +19 -15 | | +13 -21 | | +6 -28 | | +43 -10 | | +37 -16 | | +31 -23 | |
| 24 | 30 | ±11 | | +5 -17 | | +27.5 -6.5 | | +23 -10 | | +19 -15 | | +13 -21 | | +6 -28 | | +43 -10 | | +37 -16 | | +31 -23 | |
| 30 | 40 | +14 -13 | | +7 -20 | | +33 -8 | | +28 -12 | | +23 -18 | | +16 -25 | | +8 -33 | | +51 -12 | | +44 -19 | | +37 -27 | |
| 40 | 50 | +14 -13 | | +7 -20 | | +33 -8 | | +28 -12 | | +23 -18 | | +16 -25 | | +8 -33 | | +51 -12 | | +44 -19 | | +37 -27 | |
| 50 | 65 | +17 -15 | | +8 -24 | | +39.5 -9.5 | | +34 -15 | | +28 -21 | | +19 -30 | | +10 -39 | | +61 -15 | | +53 -23 | | +44 -32 | |
| 65 | 80 | +17 -15 | | +8 -24 | | +39.5 -9.5 | | +34 -15 | | +28 -21 | | +19 -30 | | +10 -39 | | +61 -15 | | +53 -23 | | +44 -32 | |
| 80 | 100 | +19 -18 | | +9 -28 | | +46 -11 | | +39 -17 | | +32 -25 | | +22 -35 | | +12 -45 | | +71 -17 | | +62 -27 | | +51 -38 | |
| 100 | 120 | +19 -18 | | +9 -28 | | +46 -11 | | +39 -17 | | +32 -25 | | +22 -35 | | +12 -45 | | +71 -17 | | +62 -27 | | +51 -38 | |
| 120 | 140 | +22 -21 | | +10 -33 | | +52.5 -12.5 | | +45 -20 | | +37 -28 | | +25 -40 | | +13 -52 | | +83 -20 | | +71 -31 | | +60 -43 | |
| 140 | 160 | +22 -21 | | +10 -33 | | +52.5 -12.5 | | +45 -20 | | +37 -28 | | +25 -40 | | +13 -52 | | +83 -20 | | +71 -31 | | +60 -43 | |
| 160 | 180 | +22 -21 | | +10 -33 | | +52.5 -12.5 | | +45 -20 | | +37 -28 | | +25 -40 | | +13 -52 | | +83 -20 | | +71 -31 | | +60 -43 | |
| 180 | 200 | +25 -24 | | +12 -37 | | +60.5 -14.5 | | +52 -23 | | +42 -33 | | +29 -46 | | +15 -60 | | +95 -23 | | +82 -36 | | +68 -50 | |
| 200 | 225 | +25 -24 | | +12 -37 | | +60.5 -14.5 | | +52 -23 | | +42 -33 | | +29 -46 | | +15 -60 | | +95 -23 | | +82 -36 | | +68 -50 | |
| 225 | 250 | +25 -24 | | +12 -37 | | +60.5 -14.5 | | +52 -23 | | +42 -33 | | +29 -46 | | +15 -60 | | +95 -23 | | +82 -36 | | +68 -50 | |
| 250 | 280 | +28 -27 | | +12 -43 | | +68 -16 | | +58 -26 | | +48 -36 | | +32 -52 | | +18 -66 | | +107 -26 | | +92 -40 | | +77 -56 | |
| 280 | 315 | +28 -27 | | +12 -43 | | +68 -16 | | +58 -26 | | +48 -36 | | +32 -52 | | +18 -66 | | +107 -26 | | +92 -40 | | +77 -56 | |
| 315 | 355 | +32 -29 | | +15 -46 | | +75 -18 | | +64 -28 | | +53 -40 | | +36 -57 | | +20 -73 | | +117 -28 | | +101 -44 | | +85 -61 | |
| 355 | 400 | +32 -29 | | +15 -46 | | +75 -18 | | +64 -28 | | +53 -40 | | +36 -57 | | +20 -73 | | +117 -28 | | +101 -44 | | +85 -61 | |
| 400 | 450 | +35 -32 | | +17 -50 | | +83 -20 | | +71 -31 | | +58 -45 | | +40 -63 | | +23 -80 | | +128 -31 | | +111 -48 | | +92 -68 | |
| 450 | 500 | +35 -32 | | +17 -50 | | +83 -20 | | +71 -31 | | +58 -45 | | +40 -63 | | +23 -80 | | +128 -31 | | +111 -48 | | +92 -68 | |

续表 A1 极限间隙或极限过盈

μm

| p6 | | $\frac{H8}{m7}$ | $\frac{H8}{n7}$ | $\frac{H8}{p7}$ | $\frac{H6}{n5}$ | $\frac{H6}{p5}$ | $\frac{H6}{r5}$ | $\frac{H6}{s5}$ | $\frac{H6}{t5}$ | $\frac{H7}{p6}$ | | | | | | | |
|------------|-----|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------|-----------|------------|------------|------|-----------|----------|
| 基轴制 | | $\frac{M8}{h7}$ | $\frac{N8}{h7}$ | | $\frac{N6}{h5}$ | $\frac{P6}{h5}$ | $\frac{R6}{h5}$ | $\frac{S6}{h5}$ | $\frac{T6}{h5}$ | $\frac{P7}{h6}$ | | | | | | | |
| 基本尺寸 mm | | 过渡配合 | | | | | 过盈配合 | | | | | | | | | | |
| 大于 | 至 | | | | | | | | | | | | | | | | |
| — | 3 | +12 -12 | +8 -16 | +10 -14 | +6 -18 | +8 -16 | +2 -8 | 0 -10 | 0 -10 | -2 -12 | -4 -14 | -6 -16 | -8 -18 | -10 -20 | — | +4 -12 | 0 -16 |
| 3 | 6 | +14 -16 | | +10 -20 | +6 -24 | | 0 -13 | | -4 -17 | | -7 -20 | | -11 -24 | | — | 0 -20 | |
| 6 | 10 | +16 -21 | | +12 -25 | +7 -30 | | -1 -16 | | -6 -21 | | -10 -25 | | -14 -29 | | — | 0 -24 | |
| 10 | 14 | +20 | | +15 | +9 | | -1 | | -7 | | -12 | | -17 | | — | 0 | |
| 14 | 18 | -25 | | -30 | -36 | | -20 | | -26 | | -31 | | -36 | | — | -29 | |
| 18 | 24 | +25 | | +18 | +11 | | -2 | | -9 | | -15 | | -22 | | — | -1 | |
| 24 | 30 | -29 | | -36 | -43 | | -24 | | -31 | | -37 | | -44 | | -28 | -35 | |
| | | | | | | | | | | | | | | | -50 | | |
| 30 | 40 | +30 | | +22 | +13 | | -1 | | -10 | | -18 | | -27 | | -32 | -1 | |
| 40 | 50 | -34 | | -42 | -51 | | -28 | | -37 | | -45 | | -54 | | -59 | -42 | |
| | | | | | | | | | | | | | | | -38 | | |
| | | | | | | | | | | | | | | | -65 | | |
| 50 | 65 | +35 | | +26 | +14 | | -1 | | -13 | | -22 | | -34 | | -47 | -2 | |
| 65 | 80 | -41 | | -50 | -62 | | -33 | | -45 | | -54 | | -66 | | -79 | -51 | |
| | | | | | | | | | | | | | | | -56 | | |
| | | | | | | | | | | | | | | | -88 | | |
| 80 | 100 | +41 | | +31 | +17 | | -1 | | -15 | | -29 | | -49 | | -69 | -2 | |
| 100 | 120 | -48 | | -58 | -72 | | -38 | | -52 | | -66 | | -86 | | -106 | -59 | |
| | | | | | | | | | | | | | | | -82 | | |
| | | | | | | | | | | | | | | | -119 | | |
| 120 | 140 | +48 | | +36 | +20 | | -2 | | -18 | | -38 | | -67 | | -97 | -3 | |
| 140 | 160 | -55 | | -67 | -83 | | -45 | | -61 | | -81 | | -110 | | -140 | -68 | |
| | | | | | | | | | | | | | | | -109 | | |
| | | | | | | | | | | | | | | | -152 | | |
| | | | | | | | | | | | | | | | -121 | | |
| | | | | | | | | | | | | | | | -164 | | |
| 180 | 200 | +55 | | +41 | +22 | | -2 | | -21 | | -48 | | -93 | | -137 | -4 | |
| 200 | 225 | -63 | | -77 | -96 | | -51 | | -70 | | -97 | | -142 | | -186 | -79 | |
| | | | | | | | | | | | | | | | -151 | | |
| | | | | | | | | | | | | | | | -200 | | |
| | | | | | | | | | | | | | | | -167 | | |
| | | | | | | | | | | | | | | | -216 | | |
| 250 | 280 | +61 | | +47 | +25 | | -2 | | -24 | | -62 | | -126 | | -186 | -4 | |
| 280 | 315 | -72 | | -86 | -108 | | -57 | | -79 | | -117 | | -181 | | -241 | -88 | |
| | | | | | | | | | | | | | | | -208 | | |
| | | | | | | | | | | | | | | | -263 | | |
| 315 | 355 | +68 | | +52 | +27 | | -1 | | -26 | | -72 | | -154 | | -232 | -5 | |
| 355 | 400 | -78 | | -94 | -119 | | -62 | | -87 | | -133 | | -215 | | -293 | -98 | |
| | | | | | | | | | | | | | | | -258 | | |
| | | | | | | | | | | | | | | | -319 | | |
| 400 | 450 | +74 | | +57 | +29 | | 0 | | -28 | | -86 | | -192 | | -290 | -5 | |
| 450 | 500 | -86 | | -103 | -131 | | -67 | | -95 | | -153 | | -259 | | -357 | -108 | |
| | | | | | | | | | | | | | | | -320 | | |
| | | | | | | | | | | | | | | | -387 | | |

注： $\frac{H6}{n5}$ 、 $\frac{H7}{p6}$ 在基本尺寸小于或等于 3 mm 时，为过渡配合。

续表 A1 极限间隙或极限过盈

μm

| r7 | H7/r6 | H7/s6 | H7/t6 | H7/u6 | H7/v6 | H7/x6 | H7/y6 | H7/z6 | H8/r7 | H8/s7 | H8/t7 | H8/u7 | | | | |
|------------|-------|-------------|--------------|--------------|--------------|--------------|--------------|---------------|----------------|-------------|--------------|--------------|--------------|----------|---|-----------|
| 基孔制 | R7/h6 | S7/h6 | T7/h6 | U7/h6 | | | | | | | | | | | | |
| 基本尺寸 mm | | 过 盈 配 合 | | | | | | | | | | | | | | |
| 大于 | 至 | | | | | | | | | | | | | | | |
| — | 3 | 0 -16 | -4 -20 | -4 -20 | -8 -24 | — | -8 -24 | -12 -28 | — | -10 -26 | — | -16 -32 | +4 -20 | 0 -24 | — | -4 -28 |
| 3 | 6 | -3 -23 | -7 -27 | — | -11 -31 | — | -16 -36 | — | -23 -43 | +3 -27 | -1 -31 | — | -5 -35 | | | |
| 6 | 10 | -4 -28 | -8 -32 | — | -13 -37 | — | -19 -43 | — | -27 -51 | +3 -34 | -1 -38 | — | -6 -43 | | | |
| 10 | 14 | -5 -34 | -10 -39 | — | -15 -44 | — | -22 -51 | — | -32 -61 | +4 -41 | -1 -46 | — | -6 -51 | | | |
| 14 | 18 | | | | | | -21 -50 | -27 -56 | — | -42 -71 | | | | | | |
| 18 | 24 | -7 -41 | -14 -48 | — | -20 -54 | -26 -60 | -33 -67 | -42 -76 | -52 -86 | +5 -49 | -2 -56 | — | -8 -62 | | | |
| 24 | 30 | | | -20 -54 | -27 -61 | -34 -68 | -43 -77 | -54 -88 | -67 -101 | | | -8 -62 | -15 -69 | | | |
| 30 | 40 | -9 -50 | -18 -59 | -23 -64 | -35 -76 | -43 -84 | -55 -96 | -69 -110 | -87 -128 | +5 -59 | -4 -68 | -9 -73 | -21 -85 | | | |
| 40 | 50 | | | -29 -70 | -45 -86 | -56 -97 | -72 -113 | -89 -130 | -111 -152 | | | -15 -79 | -31 -95 | | | |
| 50 | 65 | -11 -60 | -23 -72 | -36 -85 | -57 -106 | -72 -121 | -92 -141 | -114 -163 | -142 -191 | +5 -71 | -7 -83 | -20 -96 | -41 -117 | | | |
| 65 | 80 | -13 -62 | -29 -78 | -45 -94 | -72 -121 | -90 -139 | -116 -165 | -144 -193 | -180 -229 | +3 -73 | -13 -89 | -29 -105 | -56 -132 | | | |
| 80 | 100 | -16 -73 | -36 -93 | -56 -113 | -89 -146 | -111 -168 | -143 -200 | -179 -236 | -223 -280 | +3 -86 | -17 -106 | -37 -126 | -70 -159 | | | |
| 100 | 120 | -19 -76 | -44 -101 | -69 -126 | -109 -166 | -137 -194 | -175 -232 | -219 -276 | -275 -332 | 0 -89 | -25 -114 | -50 -139 | -90 -179 | | | |
| 120 | 140 | -23 -88 | -52 -117 | -82 -147 | -130 -195 | -162 -227 | -208 -273 | -260 -325 | -325 -390 | 0 -103 | -29 -132 | -59 -162 | -107 -210 | | | |
| 140 | 160 | -25 -90 | -60 -125 | -94 -159 | -150 -215 | -188 -253 | -240 -305 | -300 -365 | -375 -440 | -2 -105 | -37 -140 | -71 -174 | -127 -230 | | | |
| 160 | 180 | -28 -93 | -68 -133 | -106 -171 | -170 -235 | -212 -277 | -270 -335 | -340 -405 | -425 -490 | -5 -108 | -45 -148 | -83 -186 | -147 -250 | | | |
| 180 | 200 | -31 -106 | -76 -151 | -120 -195 | -190 -265 | -238 -313 | -304 -379 | -379 -454 | -474 -549 | -5 -123 | -50 -168 | -94 -212 | -164 -282 | | | |
| 200 | 225 | -34 -109 | -84 -159 | -134 -209 | -212 -287 | -264 -339 | -339 -414 | -424 -499 | -529 -604 | -8 -126 | -58 -176 | -108 -226 | -186 -304 | | | |
| 225 | 250 | -38 -113 | -94 -169 | -150 -225 | -238 -313 | -294 -369 | -379 -454 | -474 -549 | -594 -669 | -12 -130 | -68 -186 | -124 -242 | -212 -330 | | | |
| 250 | 280 | -42 -126 | -106 -190 | -166 -250 | -263 -347 | -333 -417 | -423 -507 | -528 -612 | -658 -742 | -13 -146 | -77 -210 | -137 -270 | -234 -367 | | | |
| 280 | 315 | -46 -130 | -118 -202 | -188 -272 | -298 -382 | -373 -457 | -473 -557 | -598 -682 | -738 -822 | -17 -150 | -89 -222 | -159 -292 | -269 -402 | | | |
| 315 | 355 | -51 -144 | -133 -226 | -211 -304 | -333 -426 | -418 -511 | -533 -626 | -673 -766 | -843 -936 | -19 -165 | -101 -247 | -179 -325 | -301 -447 | | | |
| 355 | 400 | -57 -150 | -151 -244 | -237 -330 | -378 -471 | -473 -566 | -603 -696 | -763 -856 | -943 -1036 | -25 -171 | -119 -265 | -205 -351 | -346 -492 | | | |
| 400 | 450 | -63 -166 | -169 -272 | -267 -370 | -427 -530 | -532 -635 | -677 -780 | -857 -960 | -1037 -1140 | -29 -189 | -135 -295 | -233 -393 | -393 -553 | | | |
| 450 | 500 | -69 -172 | -189 -292 | -297 -400 | -477 -580 | -597 -700 | -757 -860 | -937 -1040 | -1187 -1290 | -35 -195 | -155 -315 | -263 -423 | -443 -603 | | | |

注: $\frac{H8}{r7}$ 在小于或等于 100 mm 时, 为过渡配合。

附录 B

基本尺寸大于 500 mm 配制配合(本公司略)

附录 C

(提示的附录)

基本尺寸大于 3 150~10 000 mm 标准公差和基本偏差

本附录提供的标准公差（见表 C1）和孔、轴的基本偏差（见表 C2）的数值，供参考使用。

表 C1 标准公差数值

| 基本尺寸 mm | | 公差等级 | | | | | | | | | | | | |
|------------|--------|------|-----|-----|-------|-------|-------|------|------|------|------|------|------|------|
| | | IT6 | IT7 | IT8 | IT9 | IT10 | IT11 | IT12 | IT13 | IT14 | IT15 | IT16 | IT17 | IT18 |
| 大于 | 至 | μm | | | | | | mm | | | | | | |
| 3 150 | 4 000 | 165 | 260 | 410 | 660 | 1 050 | 1 650 | 2.60 | 4.10 | 6.6 | 10.5 | 16.5 | 26.0 | 41.0 |
| 4 000 | 5 000 | 200 | 320 | 500 | 800 | 1 300 | 2 000 | 3.20 | 5.00 | 8.0 | 13.0 | 20.0 | 32.0 | 50.0 |
| 5 000 | 6 300 | 250 | 400 | 620 | 980 | 1 550 | 2 500 | 4.00 | 6.20 | 9.8 | 15.5 | 25.0 | 40.0 | 62.0 |
| 6 300 | 8 000 | 310 | 490 | 760 | 1 200 | 1 950 | 3 100 | 4.90 | 7.60 | 12.0 | 19.5 | 31.0 | 49.0 | 76.0 |
| 8 000 | 10 000 | 380 | 600 | 940 | 1 500 | 2 400 | 3 800 | 6.00 | 9.40 | 15.0 | 24.0 | 38.0 | 60.0 | 94.0 |

表 C2 孔、轴的基本偏差数值

μm

| 轴的基本偏差 | | 上偏差(es) | | | | | 下偏差(ei) | | | | | | | | | |
|------------|--------|---------|-----|-----|---|---|---------------------------|---|---------|---|-----|-------|-------|--------|-------|--|
| | | d | e | f | g | h | js | k | m | n | p | r | s | t | u | |
| 公差等级 | | 6 至 18 | | | | | | | | | | | | | | |
| 基本尺寸 mm | | 符号 | | | | | | | | | | | | | | |
| 大于 | 至 | - | - | - | - | 0 | IT 偏差=± $\frac{IT}{2}$ | | + | + | + | + | + | + | + | |
| 3 150 | 3 550 | 580 | 320 | 160 | 0 | | | | | | 290 | 680 | 1 600 | 2 400 | 3 600 | |
| 3 550 | 4 000 | | | | | | | | | | | 720 | 1 750 | 2 600 | 4 000 | |
| 4 000 | 4 500 | 640 | 350 | 175 | 0 | | | | | | 360 | 840 | 2 000 | 3 000 | 4 600 | |
| 4 500 | 5 000 | | | | | | | | | | | 900 | 2 200 | 3 300 | 5 000 | |
| 5 000 | 5 600 | 720 | 380 | 190 | 0 | | | | | | 440 | 1 050 | 2 500 | 3 700 | 5 600 | |
| 5 600 | 6 300 | | | | | | | | | | | 1 100 | 2 800 | 4 100 | 6 400 | |
| 6 300 | 7 100 | 800 | 420 | 210 | 0 | | | | | | 540 | 1 300 | 3 200 | 4 700 | 7 200 | |
| 7 100 | 8 000 | | | | | | | | | | | 1 400 | 3 500 | 5 200 | 8 000 | |
| 8 000 | 9 000 | 880 | 460 | 230 | 0 | | | | | | 680 | 1 650 | 4 000 | 6 000 | 9 000 | |
| 9 000 | 10 000 | | | | | | 1 750 | | | | | 4 400 | 6 600 | 10 000 | | |
| 大于 | 至 | + | + | + | + | | | - | - | - | - | - | - | - | | |
| 基本尺寸 mm | | 符号 | | | | | | | | | | | | | | |
| 公差等级 | | 6 至 18 | | | | | | | | | | | | | | |
| 孔的基本偏差 | | D | E | F | G | H | JS | K | M | N | P | R | S | T | U | |
| | | 上偏差(EI) | | | | | | | 下偏差(ES) | | | | | | | |