

| 基準寸法の区分<br>(mm) |     | 穴の公差域クラス |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |      |      |       |       |       |     |     |     |     |     |     | 単位 μm |     |      |      |      |      |
|-----------------|-----|----------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|------|------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-------|-----|------|------|------|------|
| を越え以下           |     | B10      | C9   | C10  | D8   | D9   | D10  | E7   | E8   | E9   | F6   | F7   | F8   | G6  | G7  | H6  | H7  | H8  | H9   | H10  | JS6   | JS7   | K6    | K7  | M6  | M7  | N6  | N7  | P6  | P7    | R7  | S7   | T7   | U7   | X7   |
| -               | 3   | +180     | +85  | +100 | +34  | +45  | +60  | +24  | +28  | +39  | +12  | +16  | +20  | +8  | +12 | +6  | +10 | +14 | +25  | +40  | ±3    | ±5    | 0     | 0   | -2  | -2  | -4  | -4  | -6  | -6    | -10 | -14  | -    | -18  | -20  |
|                 |     | +140     | +60  | +60  | +20  | +20  | +20  | +14  | +14  | +14  | +6   | +6   | +6   | +2  | +2  | 0   | 0   | 0   | 0    | 0    | 0     | ±3    | ±5    | -6  | -10 | -8  | -12 | -10 | -14 | -12   | -16 | -20  | -24  | -    | -28  |
| 3               | 6   | +188     | +100 | +118 | +48  | +60  | +78  | +32  | +38  | +50  | +18  | +22  | +28  | +12 | +16 | +8  | +12 | +18 | +30  | +48  | ±4    | ±6    | +2    | +3  | -1  | 0   | -5  | -4  | -9  | -8    | -11 | -15  | -    | -19  | -24  |
|                 |     | +140     | +70  | +70  | +30  | +30  | +30  | +20  | +20  | +20  | +10  | +10  | +10  | +4  | +4  | 0   | 0   | 0   | 0    | 0    | 0     | ±4    | ±6    | -6  | -9  | -9  | -12 | -13 | -16 | -17   | -20 | -23  | -27  | -    | -31  |
| 6               | 10  | +208     | +116 | +138 | +62  | +76  | +98  | +40  | +47  | +61  | +22  | +28  | +35  | +14 | +20 | +9  | +15 | +22 | +36  | +58  | ±4.5  | ±7.5  | +2    | +5  | -3  | 0   | -7  | -4  | -12 | -9    | -13 | -17  | -    | -22  | -28  |
|                 |     | +150     | +80  | +80  | +40  | +40  | +40  | +25  | +25  | +25  | +13  | +13  | +13  | +5  | +5  | 0   | 0   | 0   | 0    | 0    | 0     | ±4.5  | ±7.5  | -7  | -10 | -12 | -15 | -16 | -19 | -21   | -24 | -28  | -32  | -    | -37  |
| 10              | 14  | +220     | +138 | +165 | +77  | +93  | +120 | +50  | +59  | +75  | +27  | +34  | +43  | +17 | +24 | +11 | +18 | +27 | +43  | +70  | ±5.5  | ±9    | +2    | +6  | -4  | 0   | -9  | -5  | -15 | -11   | -16 | -21  | -    | -26  | -33  |
|                 |     | +150     | +95  | +95  | +50  | +50  | +50  | +32  | +32  | +32  | +16  | +16  | +16  | +6  | +6  | 0   | 0   | 0   | 0    | 0    | 0     | ±5.5  | ±9    | -9  | -12 | -15 | -18 | -20 | -23 | -26   | -29 | -34  | -39  | -    | -44  |
| 14              | 18  | +220     | +138 | +165 | +77  | +93  | +120 | +50  | +59  | +75  | +27  | +34  | +43  | +17 | +24 | +11 | +18 | +27 | +43  | +70  | ±5.5  | ±9    | +2    | +6  | -4  | 0   | -9  | -5  | -15 | -11   | -16 | -21  | -    | -26  | -33  |
|                 |     | +150     | +95  | +95  | +50  | +50  | +50  | +32  | +32  | +32  | +16  | +16  | +16  | +6  | +6  | 0   | 0   | 0   | 0    | 0    | 0     | ±5.5  | ±9    | -9  | -12 | -15 | -18 | -20 | -23 | -26   | -29 | -34  | -39  | -    | -44  |
| 18              | 24  | +244     | +162 | +194 | +98  | +117 | +149 | +61  | +73  | +92  | +33  | +41  | +53  | +20 | +28 | +13 | +21 | +33 | +52  | +84  | ±6.5  | ±10.5 | +2    | +6  | -4  | 0   | -11 | -7  | -18 | -14   | -20 | -27  | -    | -33  | -46  |
|                 |     | +160     | +110 | +110 | +65  | +65  | +65  | +40  | +40  | +40  | +20  | +20  | +20  | +7  | +7  | 0   | 0   | 0   | 0    | 0    | 0     | ±6.5  | ±10.5 | -11 | -15 | -17 | -21 | -24 | -28 | -31   | -35 | -41  | -48  | -33  | -40  |
| 24              | 30  | +244     | +162 | +194 | +98  | +117 | +149 | +61  | +73  | +92  | +33  | +41  | +53  | +20 | +28 | +13 | +21 | +33 | +52  | +84  | ±6.5  | ±10.5 | +2    | +6  | -4  | 0   | -11 | -7  | -18 | -14   | -20 | -27  | -    | -33  | -46  |
|                 |     | +160     | +110 | +110 | +65  | +65  | +65  | +40  | +40  | +40  | +20  | +20  | +20  | +7  | +7  | 0   | 0   | 0   | 0    | 0    | 0     | ±6.5  | ±10.5 | -11 | -15 | -17 | -21 | -24 | -28 | -31   | -35 | -41  | -48  | -33  | -40  |
| 30              | 40  | +270     | +182 | +220 | +119 | +142 | +180 | +75  | +89  | +112 | +41  | +50  | +64  | +25 | +34 | +16 | +25 | +39 | +62  | +100 | ±8    | ±12.5 | +3    | +7  | -4  | 0   | -12 | -8  | -21 | -17   | -25 | -34  | -39  | -51  | -    |
|                 |     | +170     | +120 | +120 | +80  | +80  | +80  | +50  | +50  | +50  | +25  | +25  | +25  | +9  | +9  | 0   | 0   | 0   | 0    | 0    | 0     | ±8    | ±12.5 | -13 | -18 | -20 | -25 | -28 | -33 | -37   | -42 | -50  | -59  | -64  | -76  |
| 40              | 50  | +280     | +192 | +230 | +119 | +142 | +180 | +75  | +89  | +112 | +41  | +50  | +64  | +25 | +34 | +16 | +25 | +39 | +62  | +100 | ±8    | ±12.5 | +3    | +7  | -4  | 0   | -12 | -8  | -21 | -17   | -25 | -34  | -39  | -51  | -    |
|                 |     | +180     | +130 | +130 | +80  | +80  | +80  | +50  | +50  | +50  | +25  | +25  | +25  | +9  | +9  | 0   | 0   | 0   | 0    | 0    | 0     | ±8    | ±12.5 | -13 | -18 | -20 | -25 | -28 | -33 | -37   | -42 | -50  | -59  | -64  | -76  |
| 50              | 65  | +310     | +214 | +260 | +146 | +174 | +220 | +90  | +106 | +134 | +49  | +60  | +76  | +29 | +40 | +19 | +30 | +46 | +74  | +120 | ±9.5  | ±15   | +4    | +9  | -5  | 0   | -14 | -9  | -26 | -21   | -30 | -42  | -55  | -76  | -    |
|                 |     | +190     | +140 | +140 | +100 | +100 | +100 | +60  | +60  | +60  | +30  | +30  | +30  | +10 | +10 | 0   | 0   | 0   | 0    | 0    | 0     | ±9.5  | ±15   | -15 | -21 | -24 | -30 | -33 | -39 | -45   | -51 | -60  | -72  | -85  | -106 |
| 65              | 80  | +320     | +224 | +270 | +146 | +174 | +220 | +90  | +106 | +134 | +49  | +60  | +76  | +29 | +40 | +19 | +30 | +46 | +74  | +120 | ±9.5  | ±15   | +4    | +9  | -5  | 0   | -14 | -9  | -26 | -21   | -30 | -42  | -55  | -76  | -    |
|                 |     | +200     | +150 | +150 | +100 | +100 | +100 | +60  | +60  | +60  | +30  | +30  | +30  | +10 | +10 | 0   | 0   | 0   | 0    | 0    | 0     | ±9.5  | ±15   | -15 | -21 | -24 | -30 | -33 | -39 | -45   | -51 | -62  | -78  | -94  | -121 |
| 80              | 100 | +360     | +257 | +310 | +174 | +207 | +260 | +107 | +126 | +159 | +58  | +71  | +90  | +34 | +47 | +22 | +35 | +54 | +87  | +140 | ±11   | ±17.5 | +4    | +10 | -6  | 0   | -16 | -10 | -30 | -24   | -38 | -58  | -78  | -111 | -    |
|                 |     | +220     | +170 | +170 | +120 | +120 | +120 | +72  | +72  | +72  | +36  | +36  | +36  | +12 | +12 | 0   | 0   | 0   | 0    | 0    | 0     | ±11   | ±17.5 | -18 | -25 | -28 | -35 | -38 | -45 | -52   | -59 | -73  | -93  | -113 | -146 |
| 100             | 120 | +380     | +267 | +320 | +174 | +207 | +260 | +107 | +126 | +159 | +58  | +71  | +90  | +34 | +47 | +22 | +35 | +54 | +87  | +140 | ±11   | ±17.5 | +4    | +10 | -6  | 0   | -16 | -10 | -30 | -24   | -38 | -58  | -78  | -111 | -    |
|                 |     | +240     | +180 | +180 | +120 | +120 | +120 | +72  | +72  | +72  | +36  | +36  | +36  | +12 | +12 | 0   | 0   | 0   | 0    | 0    | 0     | ±11   | ±17.5 | -18 | -25 | -28 | -35 | -38 | -45 | -52   | -59 | -76  | -101 | -126 | -166 |
| 120             | 140 | +420     | +300 | +360 | +208 | +245 | +305 | +125 | +148 | +185 | +68  | +83  | +106 | +39 | +54 | +25 | +40 | +63 | +100 | +160 | ±12.5 | ±20   | +4    | +12 | -8  | 0   | -20 | -12 | -36 | -28   | -48 | -77  | -107 | -    |      |
|                 |     | +260     | +200 | +200 | +145 | +145 | +145 | +85  | +85  | +85  | +43  | +43  | +43  | +14 | +14 | 0   | 0   | 0   | 0    | 0    | 0     | ±12.5 | ±20   | -21 | -28 | -33 | -40 | -45 | -52 | -61   | -68 | -88  | -117 | -147 | -    |
| 140             | 160 | +440     | +310 | +370 | +208 | +245 | +305 | +125 | +148 | +185 | +68  | +83  | +106 | +39 | +54 | +25 | +40 | +63 | +100 | +160 | ±12.5 | ±20   | +4    | +12 | -8  | 0   | -20 | -12 | -36 | -28   | -48 | -77  | -107 | -    |      |
|                 |     | +280     | +210 | +210 | +145 | +145 | +145 | +85  | +85  | +85  | +43  | +43  | +43  | +14 | +14 | 0   | 0   | 0   | 0    | 0    | 0     | ±12.5 | ±20   | -21 | -28 | -33 | -40 | -45 | -52 | -61   | -68 | -90  | -125 | -159 | -    |
| 160             | 180 | +470     | +330 | +390 | +208 | +245 | +305 | +125 | +148 | +185 | +68  | +83  | +106 | +39 | +54 | +25 | +40 | +63 | +100 | +160 | ±12.5 | ±20   | +4    | +12 | -8  | 0   | -20 | -12 | -36 | -28   | -48 | -77  | -107 | -    |      |
|                 |     | +310     | +230 | +230 | +145 | +145 | +145 | +85  | +85  | +85  | +43  | +43  | +43  | +14 | +14 | 0   | 0   | 0   | 0    | 0    | 0     | ±12.5 | ±20   | -21 | -28 | -33 | -40 | -45 | -52 | -61   | -68 | -93  | -133 | -171 | -    |
| 180             | 200 | +525     | +355 | +425 | +242 | +285 | +355 | +146 | +172 | +215 | +79  | +96  | +122 | +44 | +61 | +29 | +46 | +72 | +115 | +185 | ±14.5 | ±23   | +5    | +13 | -8  | 0   | -22 | -14 | -41 | -33   | -60 | -105 | -151 | -    |      |
|                 |     | +340     | +240 | +240 | +170 | +170 | +170 | +100 | +100 | +100 | +50  | +50  | +50  | +15 | +15 | 0   | 0   | 0   | 0    | 0    | 0     | ±14.5 | ±23   | -24 | -33 | -37 | -46 | -51 | -60 | -70   | -79 | -106 | -151 | -    |      |
| 200             | 225 | +565     | +375 | +445 | +242 | +285 | +355 | +146 | +172 | +215 | +79  | +96  | +122 | +44 | +61 | +29 | +46 | +72 | +115 | +185 | ±14.5 | ±23   | +5    | +13 | -8  | 0   | -22 | -14 | -41 | -33   | -63 | -113 | -    |      |      |
|                 |     | +380     | +260 | +260 | +170 | +170 | +170 | +100 | +100 | +100 | +50  | +50  | +50  | +15 | +15 | 0   | 0   | 0   | 0    | 0    | 0     | ±14.5 | ±23   | -24 | -33 | -37 | -46 | -51 | -60 | -70   | -79 | -109 | -159 | -    |      |
| 225             | 250 | +605     | +395 | +465 | +242 | +285 | +355 | +146 | +172 | +215 | +79  | +96  | +122 | +44 | +61 | +29 | +46 | +72 | +115 | +185 | ±14.5 | ±23   | +5    | +13 | -8  | 0   | -22 | -14 | -41 | -33   | -67 | -123 | -    |      |      |
|                 |     | +420     | +280 | +280 | +170 | +170 | +170 | +100 | +100 | +100 | +50  | +50  | +50  | +15 | +15 | 0   | 0   | 0   | 0    | 0    | 0     | ±14.5 | ±23   | -24 | -33 | -37 | -46 | -51 | -60 | -70   | -79 | -113 | -169 | -    |      |
| 250             | 280 | +690     | +430 | +510 | +271 | +320 | +400 | +162 | +191 | +240 | +88  | +108 | +137 | +49 | +69 | +32 | +52 | +81 | +130 | +210 | ±16   | ±26   | +5    | +16 | -9  | 0   | -25 | -14 | -47 | -36   | -74 | -    |      |      |      |
|                 |     | +480     | +300 | +300 | +190 | +190 | +190 | +110 | +110 | +110 | +56  | +56  | +56  | +17 | +17 | 0   | 0   | 0   | 0    | 0    | 0     | ±16   | ±26   | -27 | -36 | -41 | -52 | -57 | -66 | -79   | -88 | -126 | -    |      |      |
| 280             | 315 | +750     | +460 | +540 | +190 | +190 | +190 | +110 | +110 | +110 | +56  | +56  | +56  | +17 | +17 | 0   | 0   | 0   | 0    | 0    | ±16   | ±26   | +5    | +16 | -9  | 0   | -25 | -14 | -47 | -36   | -78 | -    |      |      |      |
|                 |     | +540     | +330 | +330 | +190 | +190 | +190 | +110 | +110 | +110 | +56  | +56  | +56  | +17 | +17 | 0   | 0   | 0   | 0    | 0    | 0     | ±16   | ±26   | -27 | -36 | -41 | -52 | -57 | -66 | -79   | -88 | -130 | -    |      |      |
| 315             | 355 | +830     | +500 | +590 | +299 | +350 | +440 | +182 | +214 | +265 | +98  | +119 | +151 | +54 | +75 | +36 | +57 | +89 | +140 | +230 | ±18   | ±28.5 | +7    | +17 | -10 | 0   | -26 | -16 | -51 | -41   | -87 | -    |      |      |      |
|                 |     | +600     | +360 | +360 | +210 | +210 | +210 | +125 | +125 | +125 | +62  | +62  | +62  | +18 | +18 | 0   | 0   | 0   | 0    | 0    | 0     | ±18   | ±28.5 | -29 | -40 | -46 | -57 | -62 | -73 | -87   | -98 | -144 | -    |      |      |
| 355             | 400 | +910     | +540 | +630 | +210 | +210 | +210 | +125 | +125 | +125 | +62  | +62  | +62  | +18 | +18 | 0   | 0   | 0   | 0    | 0    | ±18   | ±28.5 | +7    | +17 | -10 | 0   | -26 | -16 | -51 | -41   | -93 | -    |      |      |      |
|                 |     | +680     | +400 | +400 | +210 | +210 | +210 | +125 | +125 | +125 | +62  | +62  | +62  | +18 | +18 | 0   | 0   | 0   | 0    | 0    | 0     | ±18   | ±28.5 | -29 | -40 | -46 | -57 | -62 | -73 | -87   | -98 | -150 | -    |      |      |
| 400             | 450 | +1010    | +595 | +690 | +327 | +385 | +480 | +198 | +232 | +290 | +108 | +131 | +165 | +60 | +83 | +40 | +63 | +97 | +155 |      |       |       |       |     |     |     |     |     |     |       |     |      |      |      |      |

常用するはめあいの軸で用いる寸法許容差

| 基準寸法の区分<br>(mm)<br>を超え以下 |     | 軸の公差域クラス     |              |              |             |              |              |              |             |              |              |            |            |            |            |            |             |              |       |       |       |           |           |            |            |            |            | 単位 μm       |              |              |              |              |              |              |
|--------------------------|-----|--------------|--------------|--------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|------------|------------|------------|------------|------------|-------------|--------------|-------|-------|-------|-----------|-----------|------------|------------|------------|------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                          |     | b9           | c9           | d8           | d9          | e7           | e8           | e9           | f6          | f7           | f8           | g5         | g6         | h5         | h6         | h7         | h8          | h9           | js5   | js6   | js7   | k5        | k6        | m5         | m6         | n5*        | n6         | p6          | r6           | s6           | t6           | u6           | x6           |              |
| —                        | 3   | -140<br>-165 | -60<br>-85   | -20<br>-34   | -20<br>-45  | -14<br>-24   | -14<br>-28   | -14<br>-39   | -6<br>-12   | -6<br>-16    | -6<br>-20    | -2<br>-6   | -2<br>-8   | 0<br>-4    | 0<br>-6    | 0<br>-10   | 0<br>-14    | 0<br>-25     | ±2    | ±3    | ±5    | +4<br>0   | +6<br>0   | +6<br>+2   | +8<br>+2   | +8<br>+4   | +10<br>+4  | +12<br>+6   | +16<br>+10   | +20<br>+14   | —            | +24<br>+18   | +26<br>+20   |              |
| 3                        | 6   | -140<br>-170 | -70<br>-100  | -30<br>-48   | -30<br>-60  | -20<br>-32   | -20<br>-38   | -20<br>-50   | -10<br>-18  | -10<br>-22   | -10<br>-28   | -4<br>-9   | -4<br>-12  | 0<br>-5    | 0<br>-8    | 0<br>-12   | 0<br>-18    | 0<br>-30     | ±2.5  | ±4    | ±6    | +6<br>+1  | +9<br>+1  | +9<br>+4   | +12<br>+4  | +13<br>+8  | +16<br>+8  | +20<br>+12  | +23<br>+15   | +27<br>+19   | —            | +31<br>+23   | +36<br>+28   |              |
| 6                        | 10  | -150<br>-186 | -80<br>-116  | -40<br>-62   | -40<br>-76  | -25<br>-40   | -25<br>-47   | -25<br>-61   | -13<br>-22  | -13<br>-28   | -13<br>-35   | -5<br>-11  | -5<br>-14  | 0<br>-6    | 0<br>-9    | 0<br>-15   | 0<br>-22    | 0<br>-36     | ±3    | ±4.5  | ±7.5  | +7<br>+1  | +10<br>+1 | +12<br>+6  | +15<br>+6  | +16<br>+10 | +19<br>+10 | +24<br>+15  | +28<br>+19   | +32<br>+23   | —            | +37<br>+28   | +43<br>+34   |              |
| 10                       | 14  | -150<br>-193 | -95<br>-138  | -50<br>-77   | -50<br>-93  | -32<br>-50   | -32<br>-59   | -32<br>-75   | -16<br>-27  | -16<br>-34   | -16<br>-43   | -6<br>-14  | -6<br>-17  | 0<br>-8    | 0<br>-11   | 0<br>-18   | 0<br>-27    | 0<br>-43     | ±4    | ±5.5  | ±9    | +9<br>+1  | +12<br>+1 | +15<br>+7  | +18<br>+7  | +20<br>+12 | +23<br>+12 | +29<br>+18  | +34<br>+23   | +39<br>+28   | —            | +44<br>+33   | +51<br>+40   |              |
| 14                       | 18  | -150<br>-193 | -95<br>-138  | -50<br>-77   | -50<br>-93  | -32<br>-50   | -32<br>-59   | -32<br>-75   | -16<br>-27  | -16<br>-34   | -16<br>-43   | -6<br>-14  | -6<br>-17  | 0<br>-8    | 0<br>-11   | 0<br>-18   | 0<br>-27    | 0<br>-43     | ±4    | ±5.5  | ±9    | +9<br>+1  | +12<br>+1 | +15<br>+7  | +18<br>+7  | +20<br>+12 | +23<br>+12 | +29<br>+18  | +34<br>+23   | +39<br>+28   | —            | +44<br>+33   | +51<br>+40   |              |
| 18                       | 24  | -150<br>-193 | -95<br>-138  | -50<br>-77   | -50<br>-93  | -32<br>-50   | -32<br>-59   | -32<br>-75   | -16<br>-27  | -16<br>-34   | -16<br>-43   | -6<br>-14  | -6<br>-17  | 0<br>-8    | 0<br>-11   | 0<br>-18   | 0<br>-27    | 0<br>-43     | ±4    | ±5.5  | ±9    | +9<br>+1  | +12<br>+1 | +15<br>+7  | +18<br>+7  | +20<br>+12 | +23<br>+12 | +29<br>+18  | +34<br>+23   | +39<br>+28   | —            | +44<br>+33   | +51<br>+40   |              |
| 24                       | 30  | -160<br>-212 | -110<br>-162 | -65<br>-98   | -65<br>-117 | -40<br>-61   | -40<br>-73   | -40<br>-92   | -20<br>-33  | -20<br>-41   | -20<br>-53   | -7<br>-16  | -7<br>-20  | 0<br>-9    | 0<br>-13   | 0<br>-21   | 0<br>-33    | 0<br>-52     | ±4.5  | ±6.5  | ±10.5 | +11<br>+2 | +15<br>+2 | +17<br>+8  | +21<br>+8  | +24<br>+15 | +28<br>+15 | +35<br>+22  | +41<br>+28   | +48<br>+35   | —            | +54<br>+41   | +67<br>+54   |              |
| 30                       | 40  | -170<br>-232 | -120<br>-182 | -80<br>-119  | -80<br>-142 | -50<br>-75   | -50<br>-89   | -50<br>-112  | -25<br>-41  | -25<br>-50   | -25<br>-64   | -9<br>-20  | -9<br>-25  | 0<br>-11   | 0<br>-16   | 0<br>-25   | 0<br>-39    | 0<br>-62     | ±5.5  | ±8    | ±12.5 | +13<br>+2 | +18<br>+2 | +20<br>+9  | +25<br>+9  | +28<br>+17 | +33<br>+17 | +42<br>+26  | +50<br>+34   | +59<br>+43   | +            | +64<br>+48   | +76<br>+60   |              |
| 40                       | 50  | -180<br>-242 | -130<br>-192 | -119<br>-192 | -142        | -75<br>-89   | -89<br>-112  | -112         | -41<br>-50  | -50<br>-64   | -64<br>-90   | -20<br>-25 | -25<br>-39 | -11<br>-16 | -16<br>-25 | -25<br>-39 | -39<br>-62  | 0<br>-62     | ±5.5  | ±8    | ±12.5 | +13<br>+2 | +18<br>+2 | +20<br>+9  | +25<br>+9  | +28<br>+17 | +33<br>+17 | +42<br>+26  | +50<br>+34   | +59<br>+43   | +            | +64<br>+48   | +76<br>+60   |              |
| 50                       | 65  | -190<br>-264 | -140<br>-214 | -100<br>-146 | -100        | -60<br>-75   | -60<br>-89   | -60<br>-112  | -30<br>-41  | -30<br>-50   | -30<br>-64   | -10<br>-20 | -10<br>-25 | 0<br>-11   | 0<br>-16   | 0<br>-25   | 0<br>-39    | 0<br>-62     | ±6.5  | ±9.5  | ±15   | +15<br>+2 | +21<br>+2 | +24<br>+11 | +30<br>+11 | +33<br>+20 | +39<br>+20 | +51<br>+32  | +60<br>+43   | +72<br>+59   | +85<br>+75   | +106<br>+102 | +            | +87<br>+121  |
| 65                       | 80  | -200<br>-274 | -150<br>-224 | -146<br>-224 | -174        | -90<br>-106  | -106<br>-134 | -134         | -49<br>-60  | -60<br>-76   | -76<br>-106  | -23<br>-29 | -29<br>-43 | -13<br>-19 | -19<br>-30 | -30<br>-46 | -46<br>-74  | 0<br>-74     | ±6.5  | ±9.5  | ±15   | +15<br>+2 | +21<br>+2 | +24<br>+11 | +30<br>+11 | +33<br>+20 | +39<br>+20 | +51<br>+32  | +60<br>+43   | +72<br>+59   | +85<br>+75   | +106<br>+102 | +            | +87<br>+121  |
| 80                       | 100 | -220<br>-307 | -170<br>-257 | -120<br>-174 | -120        | -72<br>-85   | -72<br>-98   | -72<br>-112  | -36<br>-43  | -36<br>-49   | -36<br>-64   | -12<br>-20 | -12<br>-25 | 0<br>-11   | 0<br>-16   | 0<br>-25   | 0<br>-39    | 0<br>-62     | ±7.5  | ±11   | ±17.5 | +18<br>+3 | +25<br>+3 | +28<br>+13 | +35<br>+13 | +38<br>+23 | +45<br>+23 | +59<br>+37  | +73<br>+54   | +93<br>+79   | +113<br>+104 | +146<br>+144 | +            | +146<br>+124 |
| 100                      | 120 | -240<br>-327 | -180<br>-267 | -174<br>-267 | -207        | -107<br>-126 | -126<br>-159 | -159         | -58<br>-71  | -71<br>-90   | -90<br>-127  | -27<br>-34 | -34<br>-50 | -15<br>-22 | -22<br>-35 | -35<br>-54 | -54<br>-87  | 0<br>-87     | ±7.5  | ±11   | ±17.5 | +18<br>+3 | +25<br>+3 | +28<br>+13 | +35<br>+13 | +38<br>+23 | +45<br>+23 | +59<br>+37  | +73<br>+54   | +93<br>+79   | +113<br>+104 | +146<br>+144 | +            | +146<br>+124 |
| 120                      | 140 | -260<br>-360 | -200<br>-300 | -200<br>-300 | -300        | -145<br>-185 | -185<br>-235 | -235         | -85<br>-110 | -110<br>-145 | -145<br>-195 | -43<br>-59 | -43<br>-59 | -14<br>-20 | -14<br>-20 | -20<br>-30 | -30<br>-46  | 0<br>-46     | ±9    | ±12.5 | ±20   | +21<br>+3 | +28<br>+3 | +33<br>+15 | +40<br>+15 | —          | +52<br>+27 | +68<br>+43  | +88<br>+65   | +117<br>+100 | +147<br>+134 | +            | +147<br>+134 |              |
| 140                      | 160 | -280<br>-380 | -210<br>-310 | -145<br>-208 | -145        | -85<br>-100  | -85<br>-110  | -85<br>-110  | -43<br>-56  | -43<br>-56   | -43<br>-59   | -14<br>-20 | -14<br>-20 | -14<br>-20 | -18<br>-25 | -25<br>-40 | -40<br>-63  | -63<br>-100  | ±9    | ±12.5 | ±20   | +21<br>+3 | +28<br>+3 | +33<br>+15 | +40<br>+15 | —          | +52<br>+27 | +68<br>+43  | +88<br>+65   | +117<br>+100 | +147<br>+134 | +            | +147<br>+134 |              |
| 160                      | 180 | -310<br>-410 | -230<br>-330 | -208<br>-267 | -245        | -125<br>-148 | -148<br>-185 | -185         | -68<br>-83  | -83<br>-106  | -106<br>-144 | -32<br>-39 | -39<br>-55 | -18<br>-25 | -25<br>-40 | -40<br>-63 | -63<br>-100 | -100<br>-140 | ±9    | ±12.5 | ±20   | +21<br>+3 | +28<br>+3 | +33<br>+15 | +40<br>+15 | —          | +52<br>+27 | +68<br>+43  | +88<br>+65   | +117<br>+100 | +147<br>+134 | +            | +147<br>+134 |              |
| 180                      | 200 | -340<br>-455 | -240<br>-355 | -208<br>-267 | -245        | -125<br>-148 | -148<br>-185 | -185         | -68<br>-83  | -83<br>-106  | -106<br>-144 | -32<br>-39 | -39<br>-55 | -18<br>-25 | -25<br>-40 | -40<br>-63 | -63<br>-100 | -100<br>-140 | ±9    | ±12.5 | ±20   | +21<br>+3 | +28<br>+3 | +33<br>+15 | +40<br>+15 | —          | +52<br>+27 | +68<br>+43  | +88<br>+65   | +117<br>+100 | +147<br>+134 | +            | +147<br>+134 |              |
| 200                      | 225 | -380<br>-495 | -260<br>-375 | -170<br>-242 | -170        | -100<br>-110 | -100<br>-120 | -100<br>-120 | -50<br>-56  | -50<br>-56   | -50<br>-64   | -15<br>-17 | -15<br>-17 | 0<br>0     | 0<br>0     | 0<br>0     | 0<br>0      | 0<br>0       | ±10   | ±14.5 | ±23   | +24<br>+4 | +33<br>+4 | +37<br>+17 | +46<br>+17 | —          | +60<br>+31 | +79<br>+50  | +106<br>+80  | +151<br>+130 | +122<br>+130 | +            | +122<br>+130 |              |
| 225                      | 250 | -420<br>-535 | -280<br>-395 | -170<br>-242 | -170        | -100<br>-110 | -100<br>-120 | -100<br>-120 | -50<br>-56  | -50<br>-56   | -50<br>-64   | -15<br>-17 | -15<br>-17 | 0<br>0     | 0<br>0     | 0<br>0     | 0<br>0      | 0<br>0       | ±10   | ±14.5 | ±23   | +24<br>+4 | +33<br>+4 | +37<br>+17 | +46<br>+17 | —          | +60<br>+31 | +79<br>+50  | +106<br>+80  | +151<br>+130 | +122<br>+130 | +            | +122<br>+130 |              |
| 250                      | 280 | -480<br>-610 | -300<br>-430 | -190<br>-271 | -190        | -110<br>-125 | -110<br>-135 | -110<br>-135 | -56<br>-62  | -56<br>-62   | -56<br>-64   | -17<br>-18 | -17<br>-18 | 0<br>0     | 0<br>0     | 0<br>0     | 0<br>0      | 0<br>0       | ±11.5 | ±16   | ±26   | +27<br>+4 | +36<br>+4 | +43<br>+20 | +52<br>+20 | —          | +66<br>+34 | +88<br>+56  | +126<br>+94  | +151<br>+130 | +122<br>+130 | +            | +122<br>+130 |              |
| 280                      | 315 | -540<br>-670 | -330<br>-460 | -190<br>-271 | -190        | -110<br>-125 | -110<br>-135 | -110<br>-135 | -56<br>-62  | -56<br>-62   | -56<br>-64   | -17<br>-18 | -17<br>-18 | 0<br>0     | 0<br>0     | 0<br>0     | 0<br>0      | 0<br>0       | ±11.5 | ±16   | ±26   | +27<br>+4 | +36<br>+4 | +43<br>+20 | +52<br>+20 | —          | +66<br>+34 | +88<br>+56  | +126<br>+94  | +151<br>+130 | +122<br>+130 | +            | +122<br>+130 |              |
| 315                      | 355 | -600<br>-740 | -360<br>-500 | -210<br>-299 | -210        | -125<br>-140 | -125<br>-155 | -125<br>-155 | -62<br>-68  | -62<br>-68   | -62<br>-64   | -18<br>-20 | -18<br>-20 | 0<br>0     | 0<br>0     | 0<br>0     | 0<br>0      | 0<br>0       | ±12.5 | ±18   | ±28.5 | +29<br>+4 | +40<br>+4 | +46<br>+21 | +57<br>+21 | —          | +73<br>+37 | +98<br>+62  | +144<br>+108 | +151<br>+130 | +122<br>+130 | +            | +122<br>+130 |              |
| 355                      | 400 | -680<br>-820 | -400<br>-540 | -210<br>-299 | -210        | -125<br>-140 | -125<br>-155 | -125<br>-155 | -62<br>-68  | -62<br>-68   | -62<br>-64   | -18<br>-20 | -18<br>-20 | 0<br>0     | 0<br>0     | 0<br>0     | 0<br>0      | 0<br>0       | ±12.5 | ±18   | ±28.5 | +29<br>+4 | +40<br>+4 | +46<br>+21 | +57<br>+21 | —          | +73<br>+37 | +98<br>+62  | +144<br>+108 | +151<br>+130 | +122<br>+130 | +            | +122<br>+130 |              |
| 400                      | 450 | -760<br>-915 | -440<br>-595 | -230<br>-327 | -230        | -135<br>-150 | -135<br>-165 | -135<br>-165 | -68<br>-74  | -68<br>-74   | -68<br>-74   | -20<br>-27 | -20<br>-27 | 0<br>0     | 0<br>0     | 0<br>0     | 0<br>0      | 0<br>0       | ±13.5 | ±20   | ±31.5 | +32<br>+5 | +45<br>+5 | +50<br>+23 | +63<br>+23 | —          | +80<br>+40 | +108<br>+68 | +166<br>+126 | +172<br>+132 | +132         | +            | +132         |              |
| 450                      | 500 | -840<br>-995 | -480<br>-635 | -230<br>-327 | -230        | -135<br>-150 | -135<br>-165 | -135<br>-165 | -68<br>-74  | -68<br>-74   | -68<br>-74   | -20<br>-27 | -20<br>-27 | 0<br>0     | 0<br>0     | 0<br>0     | 0<br>0      | 0<br>0       | ±13.5 | ±20   | ±31.5 | +32<br>+5 | +45<br>+5 | +50<br>+23 | +63<br>+23 | —          | +80<br>+40 | +108<br>+68 | +166<br>+126 | +172<br>+132 | +132         | +            | +132         |              |

|               |              | H6  | H7       | H8                   | H9       | 適用部分   | 機能上の分類  | 適用例   |   |                               |
|---------------|--------------|-----|----------|----------------------|----------|--|---|---|---|-------------------------------|
| 部品を相対的に動かし得る  | すき間ばめ        | 緩合  |          |                      | c9       | 特に大きいすき間があってもよいが、又はすき間が必要な動く部分。<br>組立てを容易にするためにすき間を大きくしてよい部分。<br>高温時にも適当なすき間を必要とする部分。    | 機能上大きいすき間が必要な部分。<br>〔膨張する。位置誤差が大きい。<br>はめあい長さが長い。〕          | ピストンリングとリング溝<br>ゆるい止めピンのはめあい                        |   |                               |
|               |              | 軽転合 |          | d9                   | d9       | 大きいすき間があってもよいが、あるいはすき間が必要な部分。  | コストを低下させたい。<br>〔製作コスト<br>保守コスト〕                             | クランクウェブとピン軸受(側面)<br>排気弁弁箱とはね受けしゅう動部<br>ピストンリングとリング溝 |   |                               |
|               |              | 転合  | e7       | e8                   | e9       | やや大きなすき間があってもよいが、あるいはすき間が必要な動く部分。<br>やや大きなすき間で、潤滑のよい軸受部。<br>高温・高速・高負荷の軸受部(高度の強制潤滑)。      | 一般の回転又はしゅう動する部分。<br>(潤滑のよいことが要求される)                         | 排気弁弁座のはめあい<br>クランク軸用主軸受<br>一般しゅう動部                  |   |                               |
|               |              | 精転合 | f6       | f7                   | f7<br>f8 | 適当なすき間があって運動のできるはめあい(上質のはめあい)。<br>グリース・油潤滑の一般常温軸受部。                                      | 普通のはめあい部分。<br>(分解することが多い)                                   | 冷却式排気弁弁箱挿入部<br>一般的な軸とブシュ<br>リンク装置レバーとブシュ            |   |                               |
|               |              | 滑合  | g5       | g6                   |          | 軽荷重の精密機器の連続回転部分。<br>すき間の小さい運動のできるはめあい(スピコット、位置ぎめ)。<br>精密なしゅう動部分。                         | ほとんどガタのない精密な運動が要求される部分。                                     | リンク装置ピンとレバー<br>キーとキー溝<br>精密な制御弁棒                    |   |                               |
| 部品を相対的に動かし得ない | 中間ばめ         | 滑合  | h5       | h6                   | h7<br>h8 | h9   | 潤滑剤を使用すれば手で動かせるはめあい(上質の位置ぎめ)。<br>特に精密なしゅう動部分。<br>重要でない静止部分。 | 部品を損傷しないで分解・組立てできる。                                 | はめあいの結合力だけでは、力を伝達することができない。   | リムとボスのはめあい<br>精密な歯車装置の歯車のはめあい |
|               |              | 押込  | h5<br>h6 | js6                  |          | わずかなしめしろがあってもよい取付部分。<br>使用中互いに動かないようにする高精度の位置ぎめ。<br>木・鉛ハンマで組立・分解のできる程度のはめあい。             | 継手フランジ間のはめあい<br>ガバナウェイとピン<br>歯車リムとボスのはめあい                   |   |   |                               |
|               |              | 打込  | js5      | k6                   |          | 組立・分解に鉄ハンマ・ハンドプレスを使用する程度のはめあい(部品相互間の回転防止にはキーなどが必要)。<br>高精度の位置ぎめ。                         | 歯車ポンプ軸とケーシングとの固定<br>リーマボルト                                  |   |   |                               |
|               |              | 軽圧入 | k5       | m6                   |          | 組立・分解については上に同じ。<br>少しのすき間も許されない高精度な位置ぎめ。   | リーマボルト<br>油圧機器ピストンと軸の固定<br>継手フランジと軸とのはめあい                   |   |   |                               |
|               |              | 圧入  | m5       | n6                   |          | 組立・分解に相当な力を要するはめあい。<br>高精度の固定取付(大トルクの伝動にはキーなどが必要)。                                       | たわみ軸継手と歯車 (受動側)<br>高精度はめ込み<br>吸入弁、弁案内挿入                     |   |   |                               |
| しまりばめ         | 強圧入・焼ばめ・冷しばめ | 圧入  | n5<br>n6 | p6                   |          | 組立・分解に大きな力を要するはめあい(大トルクの伝動にはキーなどが必要)。ただし、非鉄部品どうしの場合には圧入力は軽圧入程度となる。<br>鉄と鉄、青銅と銅との標準的圧入固定。 | 部品を損傷しないで分解することは困難。   | 小さい力ならはめあいの結合力で伝達できる。                               | 吸入弁、弁案内挿入<br>歯車と軸との固定 (小トルク)<br>たわみ継手軸と歯車 (駆動側)                               |                               |
|               |              | 強圧入 | p5       | r6                   |          | 組立・分解については上に同じ。<br>大寸法の部品では焼ばめ、冷しばめ、強圧入となる。  |   |   | 継手と軸  |                               |
|               |              | 焼ばめ | r5       | s6<br>t6<br>u6<br>x6 |          | 相互にしっかりと固定され、組立には焼ばめ、冷しばめ、強圧入を必要とし分解することのない永久的組立となる。軽合金の場合には圧入程度となる。                     |   |   | 軸受ブシュのはめ込み固定<br>吸入弁、弁座挿入<br>継手フランジと軸固定 (大トルク)<br>駆動歯車リムとボスとの固定<br>軸受ブシュはめ込み固定 |                               |

1.1 常用する穴基準はめあい

| 基準穴 | 軸の公差域クラス |    |    |    |      |     |     |    |       |     |     |     |    |    |    |    |     |    |    |    |    |    |    |     |    |    |     |     |     |    |    |    |    |     |    |    |    |    |    |    |     |    |    |    |     |     |    |    |    |    |     |    |    |    |    |    |    |     |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----|----------|----|----|----|------|-----|-----|----|-------|-----|-----|-----|----|----|----|----|-----|----|----|----|----|----|----|-----|----|----|-----|-----|-----|----|----|----|----|-----|----|----|----|----|----|----|-----|----|----|----|-----|-----|----|----|----|----|-----|----|----|----|----|----|----|-----|--|--|--|--|--|--|--|--|--|-----|----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|--|-----|----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|--|-----|----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|--|-----|----|----|----|----|----|----|----|--|--|--|--|--|--|--|--|--|-----|----|----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|
|     | すきまばめ    |    |    |    | 中間ばめ |     |     |    | しまりばめ |     |     |     |    |    |    |    |     |    |    |    |    |    |    |     |    |    |     |     |     |    |    |    |    |     |    |    |    |    |    |    |     |    |    |    |     |     |    |    |    |    |     |    |    |    |    |    |    |     |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H6  |          |    |    | g5 | h5   | js5 | k5  | m5 |       |     |     |     |    |    |    |    |     |    |    |    | f6 | g6 | h6 | js6 | k6 | m6 | n6* | p6* |     |    |    |    |    | H7  |    |    |    | f6 | g6 | h6 | js6 | k6 | m6 | n6 | p6* | r6* | s6 | t6 | u6 | x6 |     |    |    |    | e7 | f7 | h7 | js7 |  |  |  |  |  |  |  |  |  | H8  |    |    |    | f7 | h7 |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    | e8 | f8 | h8 |    |  |  |  |  |  |  |  |  |  | H9  |    |    |    | d8 | e8 | h8 |    |  |  |  |  |  |  |  |  |  |     |    |    |    | c9 | d9 | e9 | h9 |  |  |  |  |  |  |  |  |  | H10 | b9 | c9 | d9 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|     |          |    |    | f6 | g6   | h6  | js6 | k6 | m6    | n6* | p6* |     |    |    |    |    | H7  |    |    |    | f6 | g6 | h6 | js6 | k6 | m6 | n6  | p6* | r6* | s6 | t6 | u6 | x6 |     |    |    |    | e7 | f7 | h7 | js7 |    |    |    |     |     |    |    |    |    | H8  |    |    |    | f7 | h7 |    |     |  |  |  |  |  |  |  |  |  |     |    |    |    | e8 | f8 | h8 |    |  |  |  |  |  |  |  |  |  | H9  |    |    |    | d8 | e8 | h8 |    |  |  |  |  |  |  |  |  |  |     |    |    |    | c9 | d9 | e9 | h9 |  |  |  |  |  |  |  |  |  | H10 | b9 | c9 | d9 |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H7  |          |    |    | f6 | g6   | h6  | js6 | k6 | m6    | n6  | p6* | r6* | s6 | t6 | u6 | x6 |     |    |    |    | e7 | f7 | h7 | js7 |    |    |     |     |     |    |    |    |    | H8  |    |    |    | f7 | h7 |    |     |    |    |    |     |     |    |    |    |    |     |    |    |    | e8 | f8 | h8 |     |  |  |  |  |  |  |  |  |  | H9  |    |    |    | d8 | e8 | h8 |    |  |  |  |  |  |  |  |  |  |     |    |    |    | c9 | d9 | e9 | h9 |  |  |  |  |  |  |  |  |  | H10 | b9 | c9 | d9 |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
|     |          |    |    | e7 | f7   | h7  | js7 |    |       |     |     |     |    |    |    |    | H8  |    |    |    | f7 | h7 |    |     |    |    |     |     |     |    |    |    |    |     |    |    |    | e8 | f8 | h8 |     |    |    |    |     |     |    |    |    |    | H9  |    |    |    | d8 | e8 | h8 |     |  |  |  |  |  |  |  |  |  |     |    |    |    | c9 | d9 | e9 | h9 |  |  |  |  |  |  |  |  |  | H10 | b9 | c9 | d9 |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H8  |          |    |    | f7 | h7   |     |     |    |       |     |     |     |    |    |    |    |     |    |    |    | e8 | f8 | h8 |     |    |    |     |     |     |    |    |    |    | H9  |    |    |    | d8 | e8 | h8 |     |    |    |    |     |     |    |    |    |    |     |    |    |    | c9 | d9 | e9 | h9  |  |  |  |  |  |  |  |  |  | H10 | b9 | c9 | d9 |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
|     |          |    |    | e8 | f8   | h8  |     |    |       |     |     |     |    |    |    |    | H9  |    |    |    | d8 | e8 | h8 |     |    |    |     |     |     |    |    |    |    |     |    |    |    | c9 | d9 | e9 | h9  |    |    |    |     |     |    |    |    |    | H10 | b9 | c9 | d9 |    |    |    |     |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H9  |          |    |    | d8 | e8   | h8  |     |    |       |     |     |     |    |    |    |    |     |    |    |    | c9 | d9 | e9 | h9  |    |    |     |     |     |    |    |    |    | H10 | b9 | c9 | d9 |    |    |    |     |    |    |    |     |     |    |    |    |    |     |    |    |    |    |    |    |     |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
|     |          |    |    | c9 | d9   | e9  | h9  |    |       |     |     |     |    |    |    |    | H10 | b9 | c9 | d9 |    |    |    |     |    |    |     |     |     |    |    |    |    |     |    |    |    |    |    |    |     |    |    |    |     |     |    |    |    |    |     |    |    |    |    |    |    |     |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H10 | b9       | c9 | d9 |    |      |     |     |    |       |     |     |     |    |    |    |    |     |    |    |    |    |    |    |     |    |    |     |     |     |    |    |    |    |     |    |    |    |    |    |    |     |    |    |    |     |     |    |    |    |    |     |    |    |    |    |    |    |     |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |    |    |    |    |  |  |  |  |  |  |  |  |  |     |    |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |

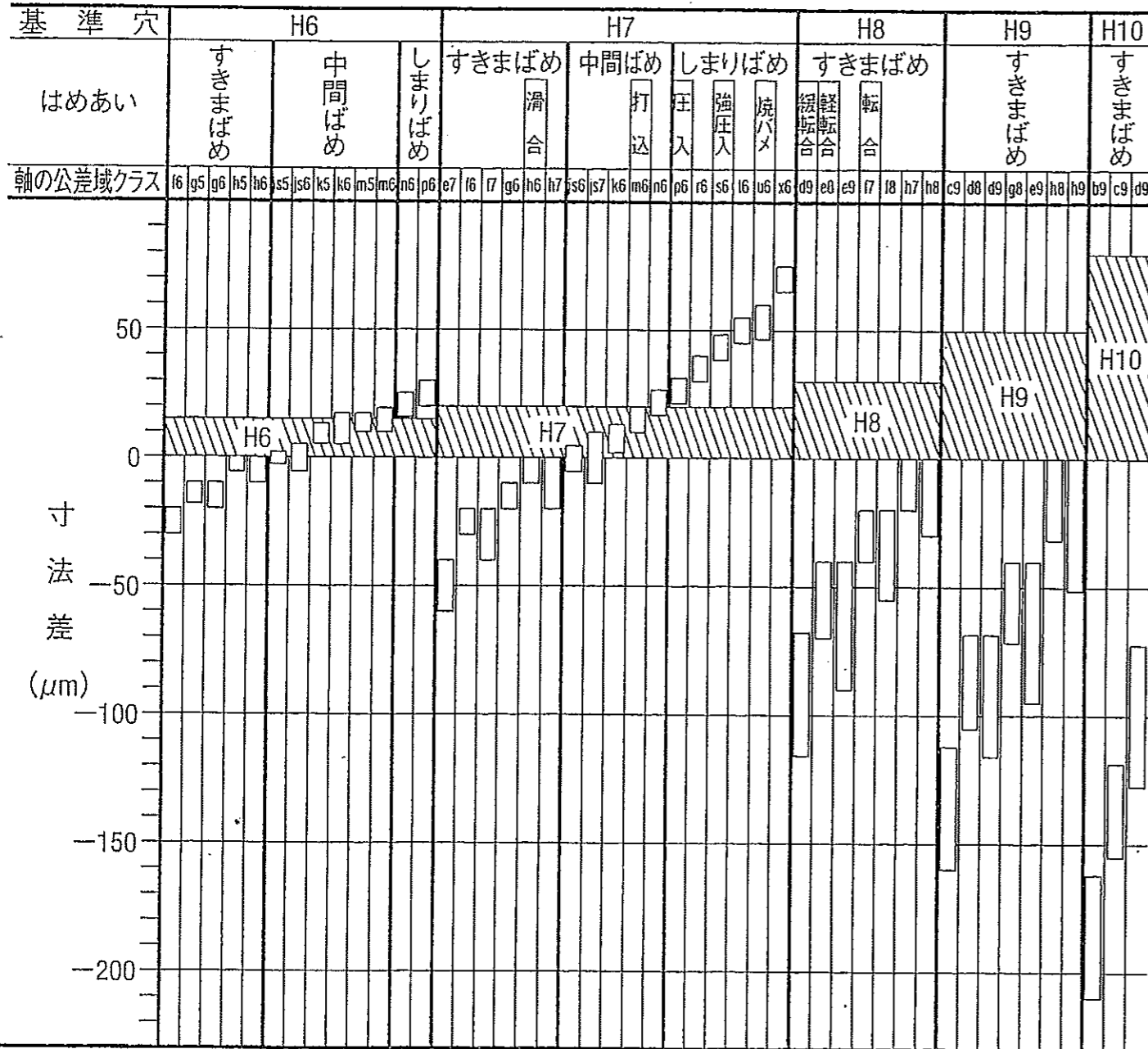
[注] \*これらのはめあいは、寸法の区分によっては例外を生じる。

2.1 常用する軸基準はめあい

| 基準軸 | 穴の公差域クラス |  |  |  |      |  |  |  |       |     |     |     |     |    |    |     |    |  |  |  |  |  |  |  |  |     |     |     |     |    |    |    |     |    |  |  |  |  |  |  |  |  |     |     |     |     |    |    |    |     |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |
|-----|----------|--|--|--|------|--|--|--|-------|-----|-----|-----|-----|----|----|-----|----|--|--|--|--|--|--|--|--|-----|-----|-----|-----|----|----|----|-----|----|--|--|--|--|--|--|--|--|-----|-----|-----|-----|----|----|----|-----|----|--|--|--|--|--|--|--|--|-----|-----|-----|----|--|--|--|----|----|--|--|--|--|--|--|--|--|-----|-----|-----|----|--|--|--|----|----|--|--|--|--|--|--|--|--|-----|-----|-----|----|--|--|--|----|----|--|--|--|--|--|--|--|--|-----|-----|-----|----|--|--|--|----|----|--|--|--|--|--|--|--|--|-----|-----|-----|----|--|--|--|----|----|--|--|--|--|--|--|--|--|-----|-----|-----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|--|--|--|--|--|
|     | すきまばめ    |  |  |  | 中間ばめ |  |  |  | しまりばめ |     |     |     |     |    |    |     |    |  |  |  |  |  |  |  |  |     |     |     |     |    |    |    |     |    |  |  |  |  |  |  |  |  |     |     |     |     |    |    |    |     |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |
| h5  |          |  |  |  |      |  |  |  | H6    | JS6 | K6  | M6  | N6* | P6 |    |     |    |  |  |  |  |  |  |  |  | F6  | G6  | H6  | JS6 | K6 | M6 | N6 | P6* | h6 |  |  |  |  |  |  |  |  | F7  | G7  | H7  | JS7 | K7 | M7 | N7 | P7* |    |  |  |  |  |  |  |  |  | E7  | F7  | H7  |    |  |  |  | R7 | h7 |  |  |  |  |  |  |  |  | F8  | H8  |     |    |  |  |  | S7 |    |  |  |  |  |  |  |  |  | D8  | E8  | F8  | H8 |  |  |  | T7 | h8 |  |  |  |  |  |  |  |  | D9  | E9  |     | H9 |  |  |  | U7 |    |  |  |  |  |  |  |  |  | D8  | E8  |     | H8 |  |  |  | X7 | h9 |  |  |  |  |  |  |  |  | C9  | D9  | E9  | H9 |  |  |  |  |  |  |  |  |  |  |  |  |  | B10 | C10 | D10 |  |  |  |  |  |
|     |          |  |  |  |      |  |  |  | F6    | G6  | H6  | JS6 | K6  | M6 | N6 | P6* | h6 |  |  |  |  |  |  |  |  | F7  | G7  | H7  | JS7 | K7 | M7 | N7 | P7* |    |  |  |  |  |  |  |  |  | E7  | F7  | H7  |     |    |    |    | R7  | h7 |  |  |  |  |  |  |  |  | F8  | H8  |     |    |  |  |  | S7 |    |  |  |  |  |  |  |  |  | D8  | E8  | F8  | H8 |  |  |  | T7 | h8 |  |  |  |  |  |  |  |  | D9  | E9  |     | H9 |  |  |  | U7 |    |  |  |  |  |  |  |  |  | D8  | E8  |     | H8 |  |  |  | X7 | h9 |  |  |  |  |  |  |  |  | C9  | D9  | E9  | H9 |  |  |  |    |    |  |  |  |  |  |  |  |  | B10 | C10 | D10 |    |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |
| h6  |          |  |  |  |      |  |  |  | F7    | G7  | H7  | JS7 | K7  | M7 | N7 | P7* |    |  |  |  |  |  |  |  |  | E7  | F7  | H7  |     |    |    |    | R7  | h7 |  |  |  |  |  |  |  |  | F8  | H8  |     |     |    |    |    | S7  |    |  |  |  |  |  |  |  |  | D8  | E8  | F8  | H8 |  |  |  | T7 | h8 |  |  |  |  |  |  |  |  | D9  | E9  |     | H9 |  |  |  | U7 |    |  |  |  |  |  |  |  |  | D8  | E8  |     | H8 |  |  |  | X7 | h9 |  |  |  |  |  |  |  |  | C9  | D9  | E9  | H9 |  |  |  |    |    |  |  |  |  |  |  |  |  | B10 | C10 | D10 |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |
|     |          |  |  |  |      |  |  |  | E7    | F7  | H7  |     |     |    |    | R7  | h7 |  |  |  |  |  |  |  |  | F8  | H8  |     |     |    |    |    | S7  |    |  |  |  |  |  |  |  |  | D8  | E8  | F8  | H8  |    |    |    | T7  | h8 |  |  |  |  |  |  |  |  | D9  | E9  |     | H9 |  |  |  | U7 |    |  |  |  |  |  |  |  |  | D8  | E8  |     | H8 |  |  |  | X7 | h9 |  |  |  |  |  |  |  |  | C9  | D9  | E9  | H9 |  |  |  |    |    |  |  |  |  |  |  |  |  | B10 | C10 | D10 |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |
| h7  |          |  |  |  |      |  |  |  | F8    | H8  |     |     |     |    |    | S7  |    |  |  |  |  |  |  |  |  | D8  | E8  | F8  | H8  |    |    |    | T7  | h8 |  |  |  |  |  |  |  |  | D9  | E9  |     | H9  |    |    |    | U7  |    |  |  |  |  |  |  |  |  | D8  | E8  |     | H8 |  |  |  | X7 | h9 |  |  |  |  |  |  |  |  | C9  | D9  | E9  | H9 |  |  |  |    |    |  |  |  |  |  |  |  |  | B10 | C10 | D10 |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |
|     |          |  |  |  |      |  |  |  | D8    | E8  | F8  | H8  |     |    |    | T7  | h8 |  |  |  |  |  |  |  |  | D9  | E9  |     | H9  |    |    |    | U7  |    |  |  |  |  |  |  |  |  | D8  | E8  |     | H8  |    |    |    | X7  | h9 |  |  |  |  |  |  |  |  | C9  | D9  | E9  | H9 |  |  |  |    |    |  |  |  |  |  |  |  |  | B10 | C10 | D10 |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |
| h8  |          |  |  |  |      |  |  |  | D9    | E9  |     | H9  |     |    |    | U7  |    |  |  |  |  |  |  |  |  | D8  | E8  |     | H8  |    |    |    | X7  | h9 |  |  |  |  |  |  |  |  | C9  | D9  | E9  | H9  |    |    |    |     |    |  |  |  |  |  |  |  |  | B10 | C10 | D10 |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |
|     |          |  |  |  |      |  |  |  | D8    | E8  |     | H8  |     |    |    | X7  | h9 |  |  |  |  |  |  |  |  | C9  | D9  | E9  | H9  |    |    |    |     |    |  |  |  |  |  |  |  |  | B10 | C10 | D10 |     |    |    |    |     |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |
| h9  |          |  |  |  |      |  |  |  | C9    | D9  | E9  | H9  |     |    |    |     |    |  |  |  |  |  |  |  |  | B10 | C10 | D10 |     |    |    |    |     |    |  |  |  |  |  |  |  |  |     |     |     |     |    |    |    |     |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |
|     |          |  |  |  |      |  |  |  | B10   | C10 | D10 |     |     |    |    |     |    |  |  |  |  |  |  |  |  |     |     |     |     |    |    |    |     |    |  |  |  |  |  |  |  |  |     |     |     |     |    |    |    |     |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |    |    |  |  |  |  |  |  |  |  |     |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |

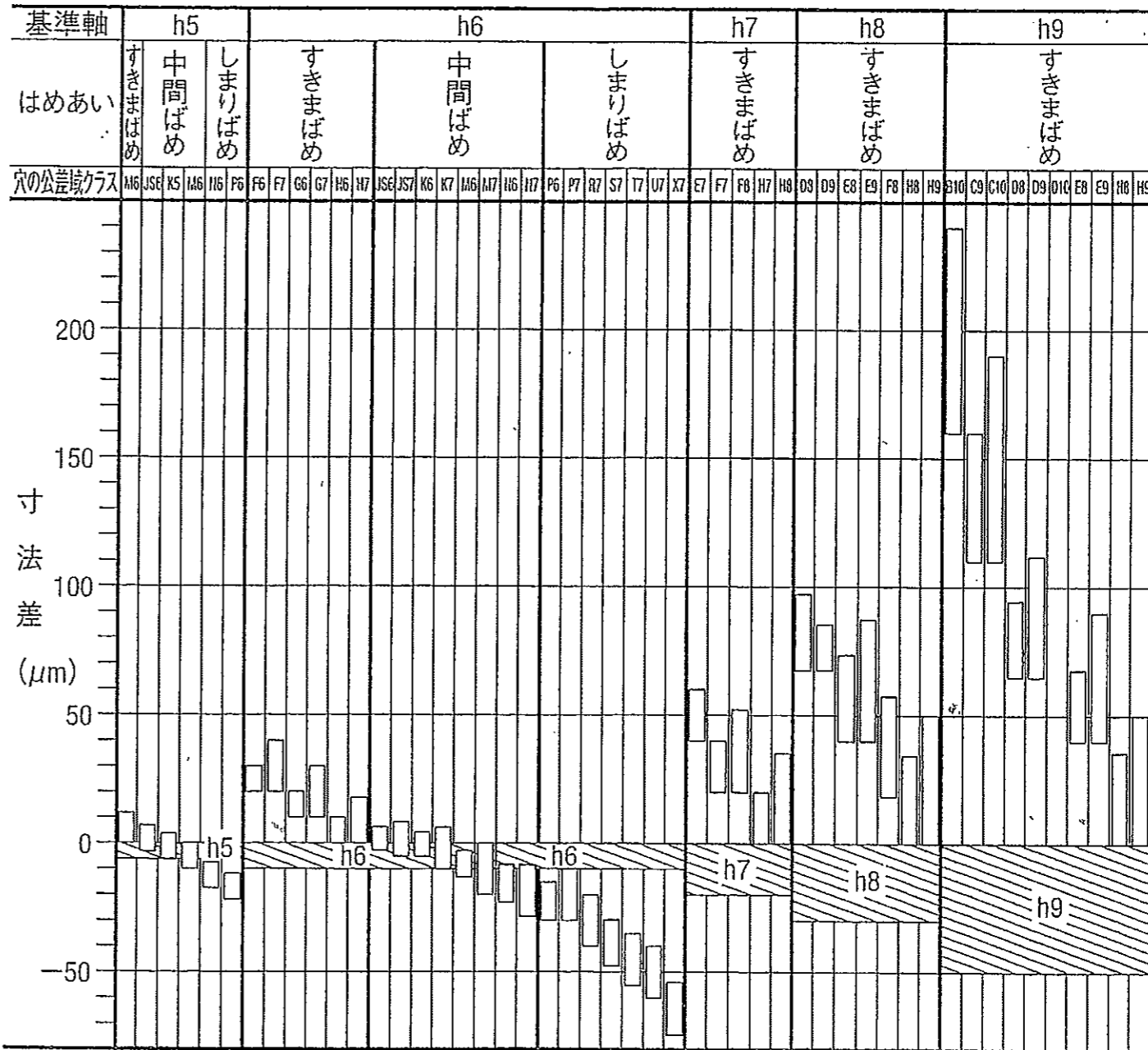
[注] \*これらのはめあいは、寸法の区分によっては例外を生じる。

1.2 常用する穴基準はめあいにおける公差域の相互関係



\*上表は基準寸法 18mm を越え 30mm 以下の場合です。

2.2 常用する軸基準はめあいにおける公差域の相互関係



\*上表は基準寸法 18mm を越え 30mm 以下の場合です。