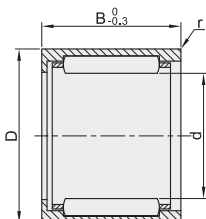


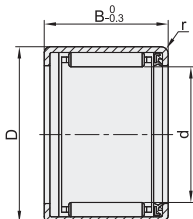
| 代码        | 类型  |    |      | 轴承材质     |        |
|-----------|-----|----|------|----------|--------|
|           |     |    |      | 国标       | 相当     |
| BAH       | 标准型 | 开式 | 无密封  | GCr15    | SUJ2   |
| BAH...SUS |     |    | 一侧密封 | 0Cr18Ni9 | SUS304 |
| BAH...RS  |     |    | 两侧密封 | GCr15    | SUJ2   |
| BAH...2RS |     | 闭式 | 无密封  | GCr15    | SUJ2   |
| BAK       |     |    | 一侧密封 |          |        |
| BAK...RS  |     |    |      |          |        |



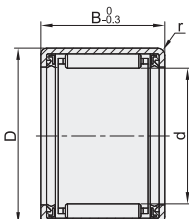
开式·无密封  
BAH  
BAH...SUS



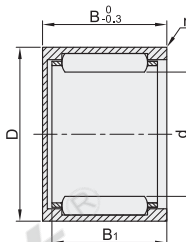
开式·一侧密封  
BAH...RS



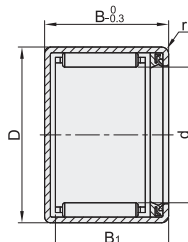
开式·两侧密封  
BAH...2RS



闭式·无密封  
BAK



闭式·一侧密封  
BAK...RS



① 不承诺品牌。

特别说明

- 冲压外圈型滚针轴承要在压入轴承座后才能获得正式的尺寸精度。由于是薄壁外圈，所以轴承座的尺寸形状及刚性直接影响到轴承的精度，应充分予以注意。
- 如果轴承座的材质为轻型合金及薄壁钢管，其壁厚和形状对内圆直径的影响特别大，故需要在量产之前进行装配试验，确认尺寸变化后，确定直径的容许公差已基本达到普通间隙。
- 安装于轴及轴承座时的径向间隙因轴承、轴及轴承座的各自的容许公差而异。

推荐配合如下表：

| 轴承座<br>材质      | 公差等级 |        |        |        |
|----------------|------|--------|--------|--------|
|                | 轴    |        | 轴承座    |        |
|                | 无内圈  | 带内圈    |        |        |
| 钢/铸铁           | h6   | k5(j5) | J7     | N7     |
| 轻型合金<br>(薄壁钢管) | h6   | k5(j5) | M7(N7) | R7(S7) |



视角标准：第一视角

| 代码                                                           | 型号        |        |          |          |           | d  | D   | B  | B <sub>1</sub><br>(mm) | r<br>(mm) | 基本额定负载(N) |            |           |            |           |            | 极限转速rpm<br>(润滑油) |       |       | 重量(g)(参考)        |     |          |          |           |   |
|--------------------------------------------------------------|-----------|--------|----------|----------|-----------|----|-----|----|------------------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------------|-------|-------|------------------|-----|----------|----------|-----------|---|
|                                                              | 轴承型号      |        |          |          |           |    |     |    |                        |           | 无密封       |            | 一侧密封      |            | 两侧密封      |            | 无密封              | 一侧密封  | 两侧密封  | BAH<br>BAH...SUS | BAK | BAH...RS | BAK...RS | BAH...2RS |   |
|                                                              | BAH...SUS | BAK    | BAH...RS | BAK...RS | BAH...2RS |    |     |    |                        |           | Cr<br>(动) | Cor<br>(静) | Cr<br>(动) | Cor<br>(静) | Cr<br>(动) | Cor<br>(静) |                  |       |       |                  |     |          |          |           |   |
| BAH<br>BAH...SUS<br>BAK<br>BAH...RS<br>BAK...RS<br>BAH...2RS | HK0205*   | —      | —        | —        | —         | 2  | 4.6 | 5  | —                      | —         | 465       | 265        | —         | —          | —         | —          | 60000            | —     | —     | 0.3              | —   | —        | —        | —         | — |
|                                                              | HK0306    | BK0306 | —        | —        | —         | 3  | 6.5 | 6  | 5.2                    | 0.3       | 1320      | 950        | —         | —          | —         | —          | 60000            | —     | —     | 1                | 1   | —        | —        | —         |   |
|                                                              | HK0408    | BK0408 | —        | —        | —         | 4  | 8   | 8  | 6.4                    | —         | 1540      | 1070       | —         | —          | —         | —          | 40000            | —     | —     | 2                | 2.1 | —        | —        | —         |   |
|                                                              | HK0509    | BK0509 | —        | —        | —         | 5  | 9   | 9  | 7.4                    | —         | 2200      | 1790       | —         | —          | —         | —          | 36000            | —     | —     | —                | —   | —        | —        | —         |   |
|                                                              | HK0606    | —      | —        | —        | —         | 6  | 10  | 8  | —                      | —         | 1610      | 1220       | —         | —          | —         | —          | 36500            | —     | —     | 1.5              | —   | —        | —        | —         |   |
|                                                              | HK0608    | —      | —        | —        | —         | 6  | 10  | 8  | —                      | —         | 1830      | 1550       | —         | —          | —         | —          | 32000            | —     | —     | 2.1              | —   | —        | —        | —         |   |
|                                                              | HK0609    | BK0609 | —        | —        | —         | 6  | 10  | 8  | —                      | —         | 2650      | 2400       | —         | —          | —         | —          | 30000            | —     | —     | 2.5              | 2.6 | —        | —        | —         |   |
|                                                              | HK0709    | BK0709 | —        | —        | —         | 7  | 11  | 9  | 7.4                    | —         | 2800      | 2150       | —         | —          | —         | —          | 27000            | —     | —     | 2.6              | 2.9 | —        | —        | —         |   |
|                                                              | HK0808    | BK0808 | —        | —        | —         | 8  | 12  | 8  | 6.4                    | —         | 2550      | 2400       | —         | —          | —         | —          | 21000            | —     | —     | 2.7              | 3   | —        | —        | —         |   |
|                                                              | HK0810    | BK0810 | HK0810   | —        | —         | 8  | 12  | 10 | 8.4                    | —         | 3700      | 3450       | 2250      | 2100       | 1960      | 1730       | 19000            | 19000 | —     | 3                | 3.4 | 3        | —        | 3.2       |   |
|                                                              | —         | —      | HK0812   | —        | —         | —  | —   | 12 | —                      | —         | —         | —          | 3420      | 3550       | 2250      | 2100       | —                | —     | —     | —                | —   | 3.1      | —        | 3.3       |   |
|                                                              | HK0908*   | —      | —        | —        | —         | 8  | —   | —  | —                      | 0.4       | 3650      | 4050       | —         | —          | —         | —          | —                | —     | —     | 3                | —   | —        | —        | —         |   |
|                                                              | HK0910    | BK0910 | —        | —        | —         | 9  | 13  | 10 | 8.4                    | —         | 4050      | 4250       | —         | —          | —         | —          | 25000            | —     | —     | 4                | 4.3 | —        | —        | —         |   |
|                                                              | HK0912    | BK0912 | —        | —        | —         | —  | —   | 12 | 10.4                   | —         | 5000      | 6000       | —         | —          | —         | —          | —                | —     | —     | 4.6              | 4.9 | —        | —        | —         |   |
|                                                              | HK1010    | BK1010 | —        | —        | —         | 10 | 14  | 10 | 8.4                    | —         | 3900      | 4800       | —         | —          | —         | —          | 19000            | —     | —     | 4.1              | 4.3 | —        | —        | —         |   |
|                                                              | HK1012    | BK1012 | HK1012   | BK1012   | HK1012    | 10 | 14  | 12 | 10.4                   | —         | 5000      | 6300       | 4100      | 5000       | 2880      | 3010       | 19000            | 19000 | 15000 | 4.8              | 5   | 4.2      | 4.3      | 4.3       |   |
|                                                              | —         | —      | —        | —        | —         | —  | —   | 14 | —                      | —         | —         | —          | —         | —          | 4100      | 5000       | —                | —     | 15000 | —                | —   | —        | —        | 4.2       |   |
|                                                              | HK1015    | BK1015 | —        | —        | —         | —  | —   | 15 | 13.4                   | —         | 6700      | 7800       | —         | —          | —         | —          | 19000            | —     | —     | 6                | 6.2 | —        | —        | —         |   |
|                                                              | HK1210    | BK1210 | —        | —        | —         | 12 | 16  | 10 | 8.4                    | —         | 4150      | 5800       | —         | —          | —         | —          | —                | —     | —     | 4.6              | 5.2 | —        | —        | —         |   |
|                                                              | HK1212    | BK1212 | —        | —        | —         | 12 | 18  | 12 | 9.3                    | —         | 3800      | 5100       | —         | —          | —         | —          | 15000            | —     | —     | 9                | 10  | —        | —        | —         |   |
|                                                              | —         | —      | HK1214   | —        | —         | 12 | 18  | 14 | —                      | —         | —         | —          | 6100      | 7000       | —         | —          | 15000            | —     | —     | —                | —   | 10       | —        | —         |   |
|                                                              | —         | —      | —        | —        | —         | 16 | 18  | 14 | —                      | —         | —         | —          | —         | —          | 4450      | 5580       | —                | —     | 12000 | —                | —   | —        | —        | 8         |   |
|                                                              | —         | —      | —        | —        | —         | 18 | 16  | 16 | —                      | —         | —         | —          | —         | —          | 6100      | 7000       | —                | —     | —     | —                | —   | —        | —        | 11        |   |
|                                                              | HK1312    | BK1312 | —        | —        | —         | 13 | 19  | 12 | 9.3                    | —         | 6200      | 7100       | —         | —          | —         | —          | 17000            | —     | —     | 10               | 11  | —        | —        | —         |   |
|                                                              | HK1412    | BK1412 | —        | —        | —         | 14 | 20  | 12 | 9.3                    | —         | 6800      | 7500       | —         | —          | —         | —          | 16000            | —     | —     | 10.5             | 12  | —        | —        | —         |   |
|                                                              | —         | —      | HK1414   | BK1414   | —         | 14 | 20  | 14 | 11.3                   | —         | —         | —          | 6100      | 7500       | —         | —          | 13000            | —     | —     | —                | —   | 12       | 13       | —         |   |
|                                                              | —         | —      | —        | —        | —         | 16 | —   | 16 | —                      | —         | —         | —          | —         | —          | 6100      | 7500       | —                | —     | 11000 | —                | —   | —        | —        | 13        |   |
|                                                              | HK1512    | BK1512 | —        | —        | —         | 15 | 21  | 12 | 9.3                    | 0.8       | 7000      | 8400       | —         | —          | —         | —          | 14000            | —     | —     | 11               | 13  | —        | —        | —         |   |
|                                                              | —         | —      | HK1514   | —        | —         | 14 | —   | 14 | —                      | —         | —         | —          | 6800      | 8800       | —         | —          | 11000            | —     | —     | —                | —   | 12       | —        | —         |   |
|                                                              | HK1516*   | BK1516 | —        | —        | —         | 15 | 21  | 16 | 13.3                   | —         | 9800      | 11400      | —         | —          | 6800      | 8800       | 14000            | —     | 10000 | 15               | 17  | —        | —        | 15        |   |
|                                                              | —         | —      | HK1518   | —        | —         | 18 | —   | 18 | —                      | —         | —         | —          | 9500      | 11400      | —         | —          | 10000            | —     | —     | —                | —   | 16       | —        | —         |   |
|                                                              | —         | —      | —        | —        | —         | 20 | —   | 20 | —                      | —         | —         | —          | —         | —          | 9500      | 11400      | —                | —     | 10000 | —                | —   | —        | —        | 18        |   |
|                                                              | HK1522*   | —      | —        | —        | —         | 22 | —   | 22 | —                      | —         | 10400     | 16500      | —         | —          | —         | —          | 14000            | —     | —     | 20               | —   | —        | —        | —         |   |
|                                                              | HK1612    | BK1612 | —        | —        | —         | 16 | 22  | 12 | 9.3                    | —         | 7100      | 9200       | —         | —          | —         | —          | —                | —     | —     | 12               | 14  | —        | —        | —         |   |
|                                                              | —         | —      | HK1614   | BK1614   | —         | 16 | 22  | 14 | 11.3                   | —         | —         | —          | 7200      | 9200       | —         | —          | 10000            | —     | —     | —                | —   | 13       | 15       | —         |   |
|                                                              | HK1616    | BK1616 | —        | —        | —         | 16 | 22  | 16 | 13.3                   | —         | 10100     | 14300      | —         | —          | 7200      | 9200       | 14000            | —     | 10000 | 16               | 18  | —        | —        | 14        |   |
|                                                              | —         | —      | —        | —        | —         | 20 | —   | 20 | —                      | —         | —         | —          | —         | —          | 9900      | 12300      | —                | —     | 10000 | —                | —   | —        | —        | 18        |   |

开式/闭式・无密封/一侧密封/两侧密封  
标准型

冲压外圈滚针轴承

| 代码                                                           | 型号     |           |        |          |          | d      | D  | B    | B <sub>1</sub><br>(mm) | r<br>(mm) | 基本额定负载(N) |            |           |            |           |            | 极限转速rpm<br>(油润滑) |       |      | 重量(g)(参考)        |     |          |          |           |    |   |
|--------------------------------------------------------------|--------|-----------|--------|----------|----------|--------|----|------|------------------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------------|-------|------|------------------|-----|----------|----------|-----------|----|---|
|                                                              | 轴承型号   |           |        |          |          |        |    |      |                        |           | 无密封       |            | 一侧密封      |            | 两侧密封      |            | 无密封              | 一侧密封  | 两侧密封 | BAH<br>BAH...SUS | BAK | BAH...RS | BAK...RS | BAH...2RS |    |   |
|                                                              | BAH    | BAH...SUS | BAK    | BAH...RS | BAK...RS |        |    |      |                        |           | Cr<br>(动) | Cor<br>(静) | Cr<br>(动) | Cor<br>(静) | Cr<br>(动) | Cor<br>(静) |                  |       |      |                  |     |          |          |           |    |   |
| BAH<br>BAH...SUS<br>BAK<br>BAH...RS<br>BAK...RS<br>BAH...2RS | HK1622 | BK1622    |        |          |          | 16     | 22 | 22   | 19.3                   |           | 11100     | 17400      |           |            |           |            | 14000            |       |      | 22               | 24  |          |          |           |    |   |
|                                                              | HK1712 | —         | —      |          |          | 17     | 23 | 12   | —                      |           | 6900      | 9300       | —         | —          |           |            | 13000            | —     |      | 12               | —   | —        |          |           | —  |   |
|                                                              | HK1812 | BK1812    |        |          |          |        |    | 9.3  |                        |           | 7100      | 9900       |           |            |           |            | 10000            |       |      | 13               | 15  |          |          |           |    |   |
|                                                              |        |           | HK1814 | —        |          | 18     | 24 | 14   | —                      |           | —         | —          | 7800      | 9900       |           |            | —                | 13000 |      |                  |     |          | 14       | —         | —  |   |
|                                                              | HK1816 | BK1816    |        |          | HK1816   |        | 16 | 13.3 |                        |           | 10600     | 15300      |           |            |           | 7800       | 9900             | 12000 |      | 9200             | 18  | 20       |          |           | 15 |   |
|                                                              | HK2010 |           | —      | —        |          |        | 10 | —    | 0.8                    |           | 5900      | 7200       |           |            |           |            |                  |       |      | 12               | —   |          |          |           |    |   |
|                                                              | HK2012 |           | —      | —        |          |        | 12 | —    |                        |           | 7600      | 10100      |           |            |           |            | 10000            |       |      | 14               | —   |          |          |           | —  |   |
|                                                              | HK2016 | BK2016    |        |          |          | HK2016 |    | 16   | 13.3                   |           | 11700     | 29100      |           |            |           | 8000       | 10100            |       |      | 9000             | 19  | 22       |          |           | 18 |   |
|                                                              |        |           | HK2018 | BK2018   |          |        | 20 | 26   | 18                     | 15.3      |           | —          | —         | 12700      | 20100     |            |                  |       | 8200 | —                |     |          |          | 21        | 24 | — |
|                                                              | HK2020 | BK2020    |        | —        | HK2020   |        |    | 20   | 17.3                   |           | 13700     | 24000      |           |            |           | 12700      | 20100            | 10000 | —    | 7800             | 24  | 27       | —        | —         | 23 |   |
| HK2030*                                                      |        | —         | —      |          |          |        | 30 | —    |                        | 21800     | 40000     |            |           |            |           |            | 10100            | —     |      | 35               | —   |          |          |           | —  |   |

① 尺寸表中的速度只适用于油润滑的情况。如果采用脂润滑，只允许表中数值的60%。

② 不锈钢材质不适用带\*的规格。

| 代码                                                           | 型号               |        |          |          |           | d  | D    | B    | B <sub>1</sub><br>(mm) | r<br>(mm) | 基本额定负载(N) |            |           |            |           |            | 极限转速rpm<br>(油润滑) |       |       | 重量(g)(参考)        |      |          |          |           |    |
|--------------------------------------------------------------|------------------|--------|----------|----------|-----------|----|------|------|------------------------|-----------|-----------|------------|-----------|------------|-----------|------------|------------------|-------|-------|------------------|------|----------|----------|-----------|----|
|                                                              | 轴承型号             |        |          |          |           |    |      |      |                        |           | 无密封       |            | 一侧密封      |            | 两侧密封      |            | 无密封              | 一侧密封  | 两侧密封  | BAH<br>BAH...SUS | BAK  | BAH...RS | BAK...RS | BAH...2RS |    |
|                                                              | BAH<br>BAH...SUS | BAK    | BAH...RS | BAK...RS | BAH...2RS |    |      |      |                        |           | Cr<br>(动) | Cor<br>(静) | Cr<br>(动) | Cor<br>(静) | Cr<br>(动) | Cor<br>(静) |                  |       |       |                  |      |          |          |           |    |
| BAH<br>BAH...SUS<br>BAK<br>BAH...RS<br>BAK...RS<br>BAH...2RS | HK2210           | —      | —        | —        | —         | 22 | 28   | 10   | —                      | —         | 7200      | 9500       | —         | —          | —         | —          | 10100            | —     | —     | 13               | —    | —        | —        | —         | —  |
|                                                              | HK2212           | BK2212 | —        | —        | —         |    |      | 12   | 9.3                    | —         | —         | —          | 8100      | 10400      | —         | —          | —                | —     | —     | —                | 15   | 18       | —        | —         | —  |
|                                                              | —                | —      | HK2214   | —        | —         |    |      | 14   | —                      | —         | —         | —          | —         | —          | 9000      | 12400      | —                | —     | 7800  | —                | —    | —        | —        | 16        | —  |
|                                                              | HK2216           | BK2216 | —        | —        | —         |    |      | 16   | 13.3                   | —         | —         | —          | 11400     | 18100      | —         | —          | 9000             | 12400 | 10100 | —                | 7800 | 21       | 24       | —         | —  |
|                                                              | —                | —      | —        | HK2218   | —         | —  | 18   | —    | —                      | —         | —         | —          | 10400     | 20100      | —         | —          | 7800             | —     | —     | —                | —    | 24       | —        | —         |    |
|                                                              | HK2220           | —      | —        | —        | HK2220    | —  | 20   | —    | —                      | —         | —         | 14500      | 25000     | —          | —         | 10400      | 20100            | 10100 | —     | 7800             | 26   | —        | —        | —         | 23 |
|                                                              | HK2512           | —      | —        | —        | —         | 12 | —    | —    | —                      | —         | —         | 10000      | 14200     | —          | —         | —          | —                | 9000  | —     | —                | 20   | —        | —        | —         | —  |
|                                                              | HK2516           | BK2516 | —        | —        | HK2516    | —  | 16   | 13.3 | —                      | —         | —         | 13600      | 20000     | —          | —         | 9600       | 13200            | 9000  | —     | 6900             | 27   | 32       | —        | —         | 27 |
|                                                              | —                | —      | HK2518   | BK2518   | —         | —  | 18   | 15.3 | —                      | —         | —         | —          | —         | 13600      | 20000     | —          | —                | 6900  | —     | —                | —    | —        | 29       | 34        | —  |
|                                                              | HK2520           | BK2520 | —        | —        | HK2520    | —  | 20   | 17.3 | —                      | —         | —         | 17900      | 30000     | —          | —         | 13600      | 20000            | 9000  | —     | 6900             | 33   | 38       | —        | —         | 31 |
|                                                              | —                | —      | —        | —        | HK2524    | —  | 24   | —    | —                      | —         | —         | —          | —         | —          | 17900     | 30000      | —                | —     | —     | —                | —    | —        | —        | —         | 40 |
|                                                              | HK2526           | BK2526 | —        | —        | —         | 26 | 23.3 | —    | —                      | —         | —         | 22500      | 42000     | —          | —         | —          | —                | 9000  | —     | —                | 44   | 48       | —        | —         | —  |
|                                                              | —                | —      | —        | —        | HK2530    | —  | 30   | —    | —                      | —         | —         | —          | —         | —          | —         | 24500      | 43000            | —     | —     | 6900             | —    | —        | —        | —         | 47 |
|                                                              | HK2538           | BK2538 | —        | —        | —         | 38 | 35.3 | —    | —                      | —         | —         | 34000      | 66000     | —          | —         | —          | —                | 10200 | —     | —                | 64   | 68       | —        | —         | —  |
|                                                              | HK2816           | —      | —        | —        | —         | 16 | —    | —    | —                      | —         | —         | 15400      | 22500     | —          | —         | —          | —                | 8700  | —     | —                | 29   | —        | —        | —         | —  |
|                                                              | —                | —      | HK2818   | —        | —         | 28 | 35   | 18   | —                      | —         | —         | —          | —         | 14760      | 23850     | —          | —                | 5300  | —     | —                | —    | —        | 31       | —         | —  |
|                                                              | HK2820           | —      | —        | —        | HK2820    | —  | 20   | —    | —                      | —         | —         | 18900      | 32000     | —          | —         | 11400      | 22500            | 8700  | —     | 5300             | 36   | —        | —        | —         | 34 |
|                                                              | HK3012           | BK3012 | —        | —        | —         | 12 | 9.3  | —    | —                      | —         | —         | 10100      | 16200     | —          | —         | —          | —                | 8100  | —     | —                | 23   | 28       | —        | —         | —  |
|                                                              | HK3016           | BK3016 | —        | —        | HK3016    | —  | 16   | 13.3 | —                      | —         | —         | 15200      | 27000     | —          | —         | 10100      | 16200            | 8100  | —     | 5300             | 31   | 38       | —        | —         | 31 |
|                                                              | —                | —      | HK3018   | —        | —         | 18 | —    | —    | —                      | —         | —         | —          | —         | 16200      | 26000     | —          | —                | 5300  | —     | —                | —    | —        | 37       | —         | —  |
|                                                              | HK3020           | BK3020 | —        | —        | HK3020    | —  | 20   | 17.3 | —                      | —         | —         | 19700      | 33500     | —          | —         | 16200      | 26000            | 8100  | —     | 5300             | 39   | 47       | —        | —         | 36 |
|                                                              | HK3022*          | —      | —        | —        | —         | 22 | —    | —    | —                      | —         | —         | 22320      | 41400     | —          | —         | —          | —                | 8100  | —     | —                | 42   | —        | —        | —         | —  |
|                                                              | —                | —      | —        | —        | HK3024    | —  | 24   | —    | —                      | —         | —         | —          | —         | —          | —         | 21000      | 38500            | —     | —     | 5300             | —    | —        | —        | —         | 44 |
|                                                              | HK3026*          | BK3026 | —        | —        | —         | 26 | 23.3 | —    | —                      | —         | —         | 24000      | 50000     | —          | —         | —          | —                | 8100  | —     | —                | 51   | 58       | —        | —         | —  |
|                                                              | HK3038           | BK3038 | —        | —        | —         | 38 | 35.3 | 0.8  | —                      | —         | —         | 32500      | 74000     | —          | —         | —          | —                | —     | —     | 76               | 84   | —        | —        | —         | —  |
|                                                              | HK3220*          | —      | —        | —        | —         | 20 | —    | —    | —                      | —         | —         | 20700      | 38250     | —          | —         | —          | —                | 7300  | —     | —                | 40.6 | —        | —        | —         | —  |
|                                                              | HK3224*          | —      | —        | —        | —         | 24 | —    | —    | —                      | —         | —         | 25500      | 52000     | —          | —         | —          | —                | —     | —     | 49               | —    | —        | —        | —         | —  |
| HK3512*                                                      | —                | —      | —        | —        | 12        | —  | —    | —    | —                      | —         | 12100     | 19300      | —         | —          | —         | —          | 7100             | —     | —     | 27               | —    | —        | —        | —         |    |
| HK3516*                                                      | —                | —      | —        | HK3516   | —         | 16 | —    | —    | —                      | —         | 15700     | 27500      | —         | —          | 10100     | 20300      | 7100             | —     | 4900  | 36               | —    | —        | —        | 32        |    |
| —                                                            | —                | HK3518 | —        | —        | 35        | 42 | —    | —    | —                      | —         | —         | —          | 16700     | 30500      | —         | —          | 4900             | —     | —     | —                | —    | 39       | —        | —         |    |
| HK3520                                                       | BK3520           | —      | —        | HK3520   | —         | 20 | 17.3 | —    | —                      | —         | 20800     | 41000      | —         | —          | 16700     | 30500      | 7100             | —     | 4900  | 44               | 53   | —        | —        | 41        |    |
| HK4012                                                       | —                | —      | —        | —        | 12        | —  | —    | —    | —                      | —         | 14000     | 24300      | —         | —          | —         | —          | 6300             | —     | —     | 30               | —    | —        | —        | —         |    |
| HK4016*                                                      | —                | —      | —        | HK4016   | —         | 16 | —    | —    | —                      | —         | 20000     | 38500      | —         | —          | 11000     | 21300      | —                | —     | 4200  | 39               | —    | —        | —        | 37        |    |
| —                                                            | —                | HK4018 | —        | —        | 40        | 47 | —    | —    | —                      | —         | —         | —          | 19000     | 30500      | —         | —          | 4200             | —     | —     | —                | —    | 45       | —        | —         |    |
| HK4020                                                       | BK4020           | —      | —        | HK4020   | —         | 20 | 17.3 | —    | —                      | —         | 25500     | 52000      | —         | —          | 19000     | 30500      | 6300             | —     | 4200  | 54               | 62   | —        | —        | 48        |    |
| HK4512*                                                      | —                | —      | —        | —        | 12        | —  | —    | —    | —                      | —         | 12900     | 22500      | —         | —          | —         | —          | 5800             | —     | —     | 33               | —    | —        | —        | —         |    |
| HK4516*                                                      | —                | —      | —        | —        | 16        | —  | —    | —    | —                      | —         | 19300     | 38000      | —         | —          | —         | —          | —                | —     | 46    | —                | —    | —        | —        | —         |    |
| —                                                            | —                | HK4518 | —        | —        | 45        | 52 | —    | —    | —                      | —         | —         | —          | 20300     | 41000      | —         | —          | 3800             | —     | —     | —                | —    | 50       | —        | —         |    |
| HK4520*                                                      | BK4520           | —      | —        | HK4520   | —         | 20 | 17.3 | —    | —                      | —         | 22000     | 51000      | —         | —          | 20300     | 41000      | 5800             | —     | 3800  | 56               | 72   | —        | —        | 54        |    |
| HK5020*                                                      | —                | —      | —        | —        | 20        | —  | —    | —    | —                      | —         | 28000     | 60000      | —         | —          | —         | —          | 5300             | —     | —     | 70               | —    | —        | —        | —         |    |
| —                                                            | —                | HK5022 | —        | —        | 50        | 58 | —    | —    | —                      | —         | —         | —          | 30000     | 61000      | —         | —          | 3200             | —     | —     | —                | —    | 76       | —        | —         |    |
| —                                                            | —                | —      | —        | HK5024   | —         | 24 | —    | —    | —                      | —         | —         | —          | —         | 30000      | 61000     | —          | —                | 3200  | —     | —                | —    | —        | —        | 81        |    |
| HK5025*                                                      | —                | —      | —        | —        | 25        | —  | —    | —    | —                      | —         | 34500     | 80000      | —         | —          | —         | —          | 5300             | —     | —     | 90               | —    | —        | —        | —         |    |
| HK5520*                                                      | —                | —      | —        | —        | 20        | —  | —    | —    | —                      | —         | 29500     | 59900      | —         | —          | —         | —          | 4600             | —     | —     | 74               | —    | —        | —        | —         |    |
| HK5528*                                                      | —                | —      | —        | —        | 28        | —  | —    | —    | —                      | —         | 39090     | 98000      | —         | —          | —         | —          | —                | —     | 405   | —                | —    | —        | —        | —         |    |
| HK6012*                                                      | —                | —      | —        | —        | 12        | —  | —    | —    | —                      | —         | 12400     | 29000      | —         | —          | —         | —          | —                | —     | 49    | —                | —    | —        | —        | —         |    |
| HK6020*                                                      | —                | —      | —        | —        | 60        | 68 | 20   | —    | —                      | —         | 30500     | 72000      | —         | —          | —         | —          | 4100             | —     | —     | 81               | —    | —        | —        | —         |    |
| HK6032*                                                      | —                | —      | —        | —        | 32        | —  | —    | —    | —                      | —         | 50000     | 131000     | —         | —          | —         | —          | —                | —     | 136   | —                | —    | —        | —        | —         |    |