

## 超高速角接触球轴承

Super High Speed Angular Contact Ball Bearing

Dimension Series: H719C, H719AC, H70C, H70AC

Size Range: H719 : 8~220mm H70 : 8~220mm

Product Feature: Super high speed, high rigidity, suitable for oil-air lubrication and spray lubrication.

Application: Widely applied in the field of machinery, textile, automobile, railway, metallurgy, chemical industry and electronic.

**尺寸系列** : H719C、H719AC、H70C、H70AC

**内径尺寸范围** : H719 : 8~220mm H70 : 8~220mm

**产品特点** : 超高速, 高刚度, 适于油气润滑或喷射润滑

**应用场景** : 广泛应用于机床、纺织、汽车、铁路、冶金、化工、电子等行业。

| 轴承代号<br>Bearing Type | 外形尺寸 Dimension |   |   |       |        |   | 额定载荷 Rated Load |     | 极限转速 Maximum Speed |       | 重量<br>Ma<br>SS<br>KG |
|----------------------|----------------|---|---|-------|--------|---|-----------------|-----|--------------------|-------|----------------------|
|                      | d              | D | B | rsmin | rIsmin | a | Cr              | Cor | 脂<br>Grease        | 油 Oil |                      |

|          | mm $\approx$ |    |    |      |      |    | KN  |     | r/min  |        | $\approx$ |
|----------|--------------|----|----|------|------|----|-----|-----|--------|--------|-----------|
| H719/8C  | 8            | 19 | 6  | 0.30 | 0.10 | 5  | 1.7 | 0.7 | 100000 | 170000 | 0.01      |
| H719/8AC | 8            | 19 | 6  | 0.30 | 0.10 | 6  | 1.6 | 0.6 | 85000  | 140000 | 0.01      |
| H71900C  | 10           | 22 | 6  | 0.30 | 0.10 | 5  | 2.1 | 0.9 | 85000  | 140000 | 0.01      |
| H71900AC | 10           | 22 | 6  | 0.30 | 0.10 | 7  | 2.0 | 0.9 | 75000  | 120000 | 0.01      |
| H71901C  | 12           | 24 | 6  | 0.30 | 0.10 | 5  | 2.2 | 1.1 | 80000  | 130000 | 0.01      |
| H71901AC | 12           | 24 | 6  | 0.30 | 0.10 | 7  | 2.1 | 1.1 | 70000  | 110000 | 0.01      |
| H71902C  | 15           | 28 | 7  | 0.30 | 0.10 | 6  | 3.2 | 1.7 | 70000  | 110000 | 0.01      |
| H71902AC | 15           | 28 | 7  | 0.30 | 0.10 | 9  | 3.1 | 1.6 | 60000  | 90000  | 0.01      |
| H71903C  | 17           | 30 | 7  | 0.30 | 0.10 | 7  | 3.3 | 1.8 | 67000  | 100000 | 0.02      |
| H71903AC | 17           | 30 | 7  | 0.30 | 0.10 | 9  | 3.2 | 1.7 | 56000  | 85000  | 0.02      |
| H71904C  | 20           | 37 | 9  | 0.30 | 0.15 | 8  | 5.0 | 2.9 | 53000  | 80000  | 0.04      |
| H71904AC | 20           | 37 | 9  | 0.30 | 0.15 | 11 | 4.8 | 2.7 | 45000  | 67000  | 0.04      |
| H71905C  | 25           | 42 | 9  | 0.30 | 0.15 | 9  | 5.2 | 3.4 | 48000  | 70000  | 0.04      |
| H71905AC | 25           | 42 | 9  | 0.30 | 0.15 | 12 | 4.9 | 3.3 | 40000  | 60000  | 0.04      |
| H71906C  | 30           | 47 | 9  | 0.30 | 0.15 | 10 | 5.8 | 3.8 | 43000  | 63000  | 0.05      |
| H71906AC | 30           | 47 | 9  | 0.30 | 0.15 | 13 | 5.4 | 3.6 | 36000  | 53000  | 0.05      |
| H71907C  | 35           | 55 | 10 | 0.60 | 0.15 | 11 | 7.7 | 5.4 | 36000  | 53000  | 0.07      |

|          |    |     |    |      |      |    |      |      |       |       |      |
|----------|----|-----|----|------|------|----|------|------|-------|-------|------|
| H71907AC | 35 | 55  | 10 | 0.60 | 0.15 | 16 | 7.4  | 5.1  | 30000 | 45000 | 0.07 |
| H71908C  | 40 | 62  | 12 | 0.60 | 0.15 | 13 | 9.8  | 7.0  | 30000 | 45000 | 0.12 |
| H71908AC | 40 | 62  | 12 | 0.60 | 0.15 | 18 | 9.3  | 6.6  | 26000 | 40000 | 0.12 |
| H71909C  | 45 | 68  | 12 | 0.60 | 0.15 | 14 | 10.3 | 7.7  | 26000 | 40000 | 0.14 |
| H71909AC | 45 | 68  | 12 | 0.60 | 0.15 | 19 | 9.7  | 7.3  | 22000 | 36000 | 0.14 |
| H71910C  | 50 | 72  | 12 | 0.60 | 0.15 | 14 | 13.2 | 10.0 | 19000 | 32000 | 0.14 |
| H71910AC | 50 | 72  | 12 | 0.60 | 0.15 | 20 | 12.5 | 9.5  | 19000 | 32000 | 0.14 |
| H71911C  | 55 | 80  | 13 | 1.00 | 0.30 | 16 | 16.0 | 12.6 | 19000 | 32000 | 0.18 |
| H71911AC | 55 | 80  | 13 | 1.00 | 0.30 | 22 | 15.0 | 11.9 | 16000 | 26000 | 0.18 |
| H71912C  | 60 | 85  | 13 | 1.00 | 0.30 | 16 | 16.6 | 13.8 | 18000 | 30000 | 0.20 |
| H71912AC | 60 | 85  | 13 | 1.00 | 0.30 | 23 | 15.7 | 13.1 | 15000 | 24000 | 0.20 |
| H71913C  | 65 | 90  | 13 | 1.00 | 0.30 | 17 | 16.8 | 14.5 | 17000 | 28000 | 0.21 |
| H71913AC | 65 | 90  | 13 | 1.00 | 0.30 | 25 | 16.0 | 13.7 | 15000 | 24000 | 0.21 |
| H71914C  | 70 | 100 | 16 | 1.00 | 0.30 | 19 | 20.9 | 17.8 | 16000 | 26000 | 0.35 |
| H71914AC | 70 | 100 | 16 | 1.00 | 0.30 | 28 | 19.7 | 16.9 | 13000 | 20000 | 0.35 |
| H71915C  | 75 | 105 | 16 | 1.00 | 0.30 | 20 | 21.7 | 19.3 | 15000 | 24000 | 0.37 |
| H71915AC | 75 | 105 | 16 | 1.00 | 0.30 | 29 | 20.5 | 18.2 | 13000 | 20000 | 0.37 |
| H71916C  | 80 | 110 | 16 | 1.00 | 0.30 | 21 | 22.4 | 20.8 | 14000 | 22000 | 0.39 |

|          |     |     |    |      |      |    |      |      |       |       |      |
|----------|-----|-----|----|------|------|----|------|------|-------|-------|------|
| H71919AC | 80  | 110 | 16 | 1.00 | 0.30 | 30 | 21.2 | 19.6 | 12000 | 19000 | 0.39 |
| H71917C  | 85  | 120 | 18 | 1.10 | 0.60 | 23 | 26.1 | 24.2 | 13000 | 20000 | 0.56 |
| H71917AC | 85  | 120 | 18 | 1.10 | 0.60 | 33 | 24.7 | 22.9 | 11000 | 18000 | 0.56 |
| H71918C  | 90  | 125 | 18 | 1.10 | 0.60 | 23 | 27.0 | 26.0 | 13000 | 20000 | 0.59 |
| H71918AC | 90  | 125 | 18 | 1.10 | 0.60 | 34 | 25.5 | 24.6 | 11000 | 18000 | 0.59 |
| H71919C  | 95  | 130 | 18 | 1.10 | 0.60 | 24 | 27.3 | 26.9 | 12000 | 19000 | 0.62 |
| H71919AC | 95  | 130 | 18 | 1.10 | 0.60 | 35 | 25.8 | 25.4 | 11000 | 18000 | 0.62 |
| H71920C  | 100 | 140 | 20 | 1.10 | 0.60 | 26 | 40.1 | 37.6 | 11000 | 18000 | 0.82 |
| H71920AC | 100 | 140 | 20 | 1.10 | 0.60 | 38 | 37.9 | 35.5 | 9000  | 15000 | 0.82 |
| H71921C  | 105 | 145 | 20 | 1.10 | 0.60 | 27 | 40.7 | 39.1 | 10000 | 17000 | 0.85 |
| H71921AC | 105 | 145 | 20 | 1.10 | 0.60 | 39 | 38.4 | 36.9 | 8500  | 14000 | 0.85 |
| H71922C  | 110 | 150 | 20 | 1.10 | 0.60 | 27 | 41.3 | 40.5 | 9000  | 15000 | 0.89 |
| H71922AC | 110 | 150 | 20 | 1.10 | 0.60 | 40 | 39.0 | 38.3 | 7500  | 12000 | 0.89 |
| H71924C  | 120 | 165 | 22 | 1.10 | 0.60 | 30 | 43.1 | 44.9 | 8500  | 14000 | 1.25 |
| H71924AC | 120 | 165 | 22 | 1.10 | 0.60 | 44 | 40.7 | 42.4 | 7500  | 12000 | 1.25 |
| H71926C  | 130 | 180 | 24 | 1.50 | 0.60 | 33 | 53.1 | 56.6 | 8000  | 13000 | 1.58 |
| H71926AC | 130 | 180 | 24 | 1.50 | 0.60 | 48 | 50.1 | 53.4 | 7500  | 12000 | 1.58 |
| H71928C  | 140 | 190 | 24 | 1.50 | 0.60 | 34 | 53.7 | 59.1 | 7000  | 11000 | 1.67 |

|          |     |     |    |      |      |    |      |       |      |       |      |
|----------|-----|-----|----|------|------|----|------|-------|------|-------|------|
| H71928AC | 140 | 190 | 24 | 1.50 | 0.60 | 50 | 50.7 | 55.8  | 6700 | 10000 | 1.67 |
| H71930C  | 150 | 210 | 28 | 2.00 | 1.00 | 38 | 65.2 | 72.8  | 6700 | 10000 | 2.64 |
| H71930AC | 150 | 210 | 28 | 2.00 | 1.00 | 56 | 61.5 | 68.7  | 6000 | 9000  | 2.64 |
| H71932C  | 160 | 220 | 28 | 2.00 | 1.00 | 39 | 66.0 | 75.8  | 6000 | 9000  | 2.78 |
| H71932AC | 160 | 220 | 28 | 2.00 | 1.00 | 58 | 62.3 | 71.6  | 5600 | 8500  | 2.78 |
| H71934C  | 170 | 230 | 28 | 2.00 | 1.00 | 41 | 66.7 | 78.7  | 5600 | 8500  | 2.92 |
| H71934AC | 170 | 230 | 28 | 2.00 | 1.00 | 61 | 63.0 | 74.3  | 5000 | 7500  | 2.92 |
| H71936C  | 180 | 250 | 33 | 2.00 | 1.00 | 45 | 79.6 | 95.0  | 5000 | 7500  | 4.42 |
| H71936AC | 180 | 250 | 33 | 2.00 | 1.00 | 67 | 75.2 | 89.7  | 4800 | 7000  | 4.42 |
| H71938C  | 190 | 260 | 33 | 2.00 | 1.00 | 47 | 80.6 | 98.6  | 4800 | 7000  | 4.62 |
| H71938AC | 190 | 260 | 33 | 2.00 | 1.00 | 69 | 76.1 | 93.1  | 4300 | 6300  | 4.62 |
| H71940C  | 200 | 280 | 38 | 2.00 | 1.00 | 51 | 82.8 | 105.4 | 4500 | 6700  | 6.74 |
| H71940AC | 200 | 280 | 38 | 2.00 | 1.00 | 75 | 78.2 | 99.5  | 4000 | 6000  | 6.74 |
| H71944C  | 220 | 300 | 38 | 2.10 | 1.00 | 54 | 96.9 | 125.4 | 4300 | 6300  | 7.12 |
| H71944AC | 220 | 300 | 38 | 2.10 | 1.00 | 80 | 91.5 | 118.4 | 3800 | 5600  | 7.12 |