

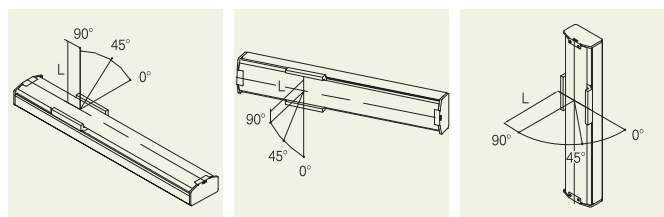
# ND220 - L5 - S500 - M2 - M750W - B - 3 A

| 型號<br>Model | 導程<br>Lead                                                                                                                                                             | 行程<br>Stroke | 馬達方向<br>Motor direction | 馬達廠牌及出力<br>Motor brand and output                                                                                        | 煞車<br>Brake                                                                                                        | 光電位置<br>Photoelectric position | 光電類型<br>Type of photoelectric |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------|
|             | 馬達方向 Motor direction                                                                                                                                                   |              |                         | 馬達廠牌及出力<br>Motor brand and output                                                                                        |                                                                                                                    |                                | A - NPN<br>C - PNP            |
|             | M2 馬達外置 Motor outside position<br>M3 馬達外置右側 Motor outside, rightward position<br>M4 馬達外置左側 Motor outside, leftward position<br>M6 馬達外置下方 Motor ousided, lower position |              |                         | H 匯川 Inovance<br>X 西門子 Siemens<br>M 三菱 Mitsubishi<br>Y 安川 Yaskawa<br>P 松下 Panasonic<br>F 富士 Fuji<br>T 台達 Delta<br>S SATA | 1 - 內置 Inside<br>3 - 外置右側 Outside Right<br>4 - 外置左側 Outside Left<br>E/ 空白 - 不含 / 無指定 Blank - Excluding/Unspecified |                                |                               |

## ND220 規格表( ND220 Specification):

|                               |                            |      |      |
|-------------------------------|----------------------------|------|------|
| 馬達出力<br>Step motor output     | 400W                       |      |      |
| 重複定位精度<br>Repeatability(mm)   | ±0.05                      |      |      |
| 滾珠絲桿外徑<br>B.S(Φ)              | Ø 14                       |      |      |
| 滾珠螺桿導程<br>Lead(mm)            | 5                          | 10   | 25   |
| 最快速度<br>Maximum speed(mm/sec) | 250                        | 500  | 1250 |
| 最大載重<br>Maximum payload(kg)   | 水平使用<br>(H)                | 150  | 80   |
|                               | 垂直使用<br>(V)                | 60   | 15   |
| 額定推力<br>Rated thrust(N)       | 2553                       | 1276 | 511  |
| 行程<br>Stroke(mm)              | 50-1800<br>50間隔 (interval) |      |      |

## 線性滑軌12x8-2支 (Linear Guide12x8-2Qty)

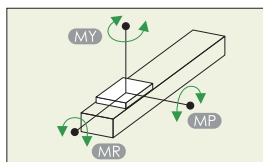


| 水平安裝應用: 單位Unit:mm<br>Horizontal use |               |     |     |     | 牆面安裝應用: 單位Unit:mm<br>Wall installation use |               |     |     |     | 垂直安裝應用: 單位Unit:mm<br>During vertical use |               |     |     |     |
|-------------------------------------|---------------|-----|-----|-----|--------------------------------------------|---------------|-----|-----|-----|------------------------------------------|---------------|-----|-----|-----|
| 導程<br>Lead                          | 荷重<br>Payload | 0°  | 45° | 90° | 導程<br>Lead                                 | 荷重<br>Payload | 0°  | 45° | 90° | 導程<br>Lead                               | 荷重<br>Payload | 0°  | 45° | 90° |
| 50                                  | 5kg           | 130 | 120 | 320 | 50                                         | 5kg           | 320 | 120 | 130 | 50                                       | 1kg           | 600 | 600 | 600 |
|                                     | 8kg           | 80  | 70  | 220 |                                            | 8kg           | 220 | 70  | 75  |                                          | 2kg           | 300 | 300 | 300 |
|                                     | 10kg          | 60  | 55  | 175 |                                            | 10kg          | 170 | 55  | 60  |                                          | 2.5kg         | 250 | 250 | 250 |
|                                     | 15kg          | 40  | 35  | 120 |                                            | 15kg          | 120 | 35  | 40  |                                          | 3kg           | 180 | 180 | 180 |
| 100                                 | 5kg           | 380 | 260 | 600 | 100                                        | 5kg           | 600 | 210 | 153 | 100                                      | 1kg           | 680 | 260 | 580 |
|                                     | 10kg          | 258 | 186 | 370 |                                            | 10kg          | 370 | 140 | 86  |                                          | 3kg           | 458 | 186 | 458 |
|                                     | 15kg          | 120 | 80  | 160 |                                            | 15kg          | 250 | 76  | 66  |                                          | 5kg           | 220 | 110 | 220 |
|                                     | 20kg          | 420 | 270 | 650 |                                            | 20kg          | 650 | 310 | 150 |                                          | 6kg           | 380 | 270 | 380 |
| 200                                 | 20kg          | 230 | 170 | 380 | 200                                        | 20kg          | 350 | 132 | 80  | 200                                      | 8kg           | 258 | 170 | 258 |
|                                     | 30kg          | 110 | 60  | 150 |                                            | 30kg          | 100 | 76  | 60  |                                          | 10kg          | 100 | 76  | 100 |

\*滑塊表面中心到搬送物重心的距離(僅供參考)

Distance center of slider top to center of gravity of object being transported (For reference only)

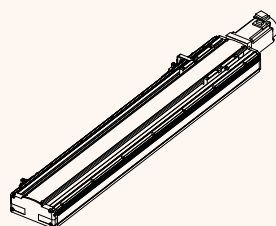
靜態容許負載慣量  
Static Loading Moment



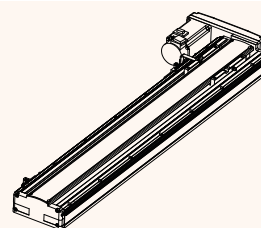
(單位:N.m) ( Unit:N.m)

水平使用時 Static Loading Moment

|    |      |
|----|------|
| MY | 1538 |
| MP | 1538 |
| MR | 1263 |



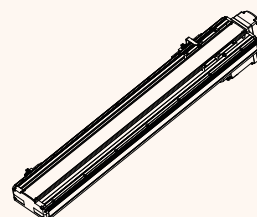
M2



M3

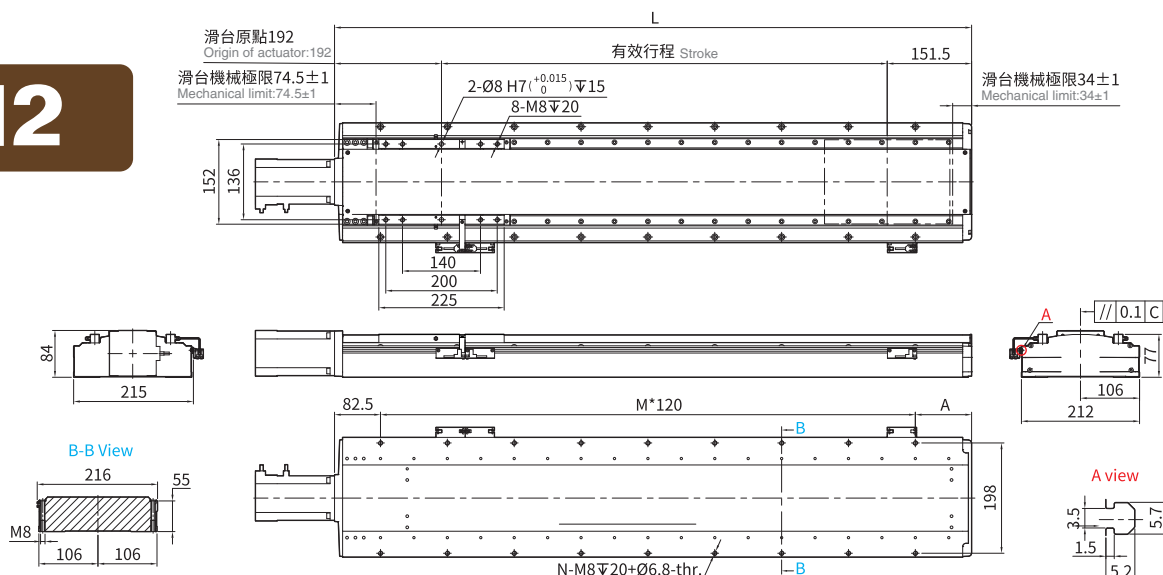


M4



M6

# M2

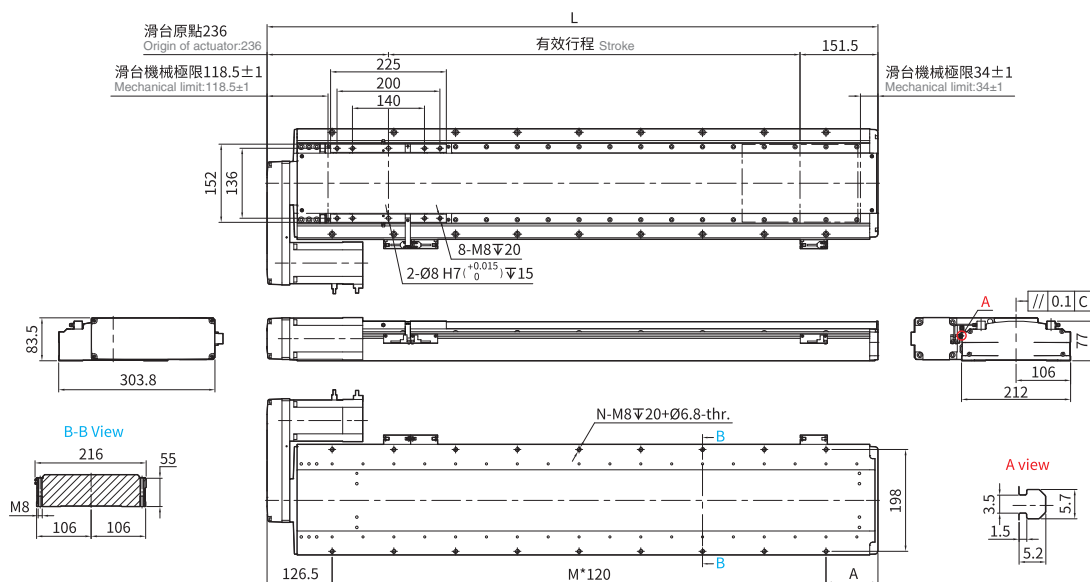


| 行程 Stroke | 50    | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700    | 750    | 800    | 850    | 900    |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| L         | 393.5 | 443.5 | 493.5 | 543.5 | 593.5 | 643.5 | 693.5 | 743.5 | 793.5 | 843.5 | 893.5 | 943.5 | 993.5 | 1043.5 | 1093.5 | 1143.5 | 1193.5 | 1243.5 |
| A         | 71    | 121   | 51    | 101   | 31    | 81    | 131   | 61    | 111   | 41    | 91    | 21    | 71    | 121    | 51     | 101    | 31     | 81     |
| M         | 2     | 2     | 3     | 3     | 4     | 4     | 5     | 5     | 5     | 6     | 6     | 7     | 7     | 7      | 8      | 8      | 9      | 9      |
| N         | 6     | 6     | 8     | 8     | 10    | 10    | 12    | 12    | 12    | 14    | 14    | 16    | 16    | 16     | 18     | 18     | 20     | 20     |
| 質量(kg)    | 11.99 | 12.92 | 13.86 | 14.79 | 15.73 | 16.66 | 17.6  | 18.53 | 19.46 | 20.4  | 21.33 | 22.27 | 23.2  | 24.14  | 25.07  | 26.01  | 26.94  | 27.88  |

| 行程 Stroke | 950    | 1000   | 1050   | 1100   | 1150   | 1200   | 1250   | 1300   | 1350   | 1400   | 1450   | 1500   | 1550   | 1600   | 1650   | 1700   | 1750   | 1800   |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| L         | 1293.5 | 1343.5 | 1393.5 | 1443.5 | 1493.5 | 1543.5 | 1593.5 | 1643.5 | 1693.5 | 1743.5 | 1793.5 | 1843.5 | 1893.5 | 1943.5 | 1993.5 | 2043.5 | 2093.5 | 2143.5 |
| A         | 131    | 61     | 111    | 41     | 91     | 21     | 71     | 121    | 51     | 101    | 31     | 81     | 131    | 61     | 111    | 41     | 91     | 21     |
| M         | 10     | 10     | 10     | 11     | 11     | 12     | 12     | 12     | 13     | 13     | 14     | 14     | 15     | 15     | 15     | 16     | 16     | 17     |
| N         | 22     | 22     | 22     | 24     | 24     | 26     | 26     | 26     | 28     | 28     | 30     | 30     | 32     | 32     | 32     | 34     | 34     | 36     |
| 質量(kg)    | 28.81  | 29.75  | 30.68  | 31.62  | 32.35  | 33.49  | 34.42  | 38.16  | 35.35  | 36.29  | 38.16  | 39.09  | 40.03  | 10.86  | 41.89  | 42.83  | 43.76  | 44.7   |

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# M3

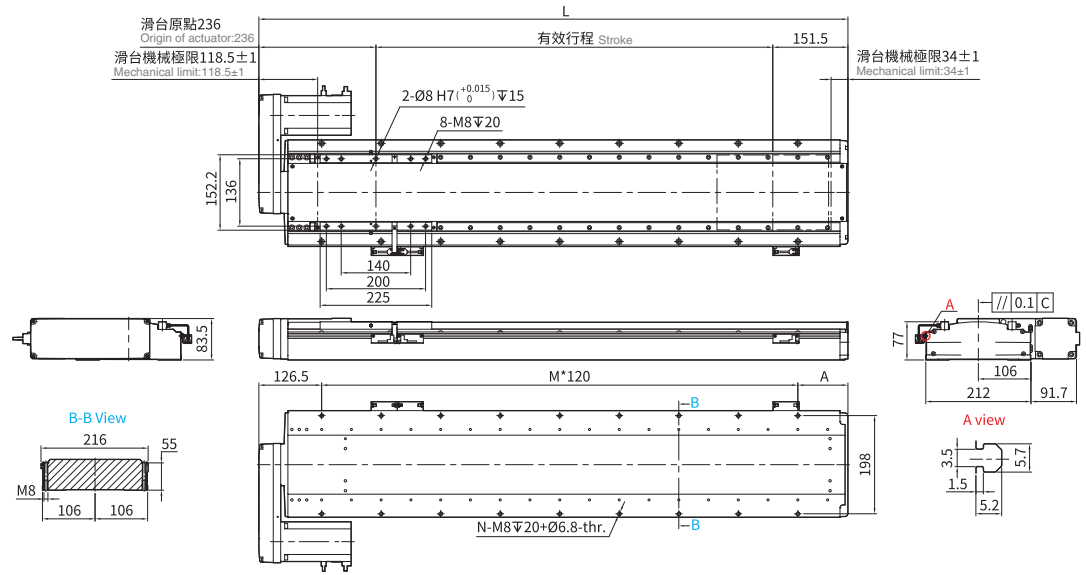


| 行程 Stroke | 50    | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650    | 700    | 750    | 800    | 850    | 900    |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| L         | 437.5 | 487.5 | 537.5 | 587.5 | 637.5 | 687.5 | 737.5 | 787.5 | 837.5 | 887.5 | 937.5 | 987.5 | 1037.5 | 1087.5 | 1137.5 | 1187.5 | 1237.5 | 1287.5 |
| A         | 71    | 121   | 51    | 101   | 31    | 81    | 131   | 61    | 111   | 41    | 91    | 21    | 71     | 121    | 51     | 101    | 31     | 81     |
| M         | 2     | 2     | 3     | 3     | 4     | 4     | 5     | 5     | 5     | 6     | 6     | 7     | 7      | 7      | 8      | 8      | 9      | 9      |
| N         | 6     | 6     | 8     | 8     | 10    | 10    | 12    | 12    | 12    | 14    | 14    | 16    | 16     | 16     | 18     | 18     | 20     | 20     |
| 質量(kg)    | 13.07 | 14    | 14.94 | 15.89 | 16.81 | 17.74 | 18.68 | 19.61 | 20.54 | 21.48 | 22.41 | 23.35 | 24.28  | 25.21  | 26.15  | 27.08  | 28.02  | 28.95  |

| 行程 Stroke | 950    | 1000   | 1050   | 1100   | 1150   | 1200   | 1250   | 1300   | 1350   | 1400   | 1450   | 1500   | 1550   | 1600   | 1650   | 1700   | 1750   | 1800   |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| L         | 1337.5 | 1387.5 | 1437.5 | 1487.5 | 1537.5 | 1587.5 | 1637.5 | 1687.5 | 1737.5 | 1787.5 | 1837.5 | 1887.5 | 1937.5 | 1987.5 | 2037.5 | 2087.5 | 2137.5 | 2187.5 |
| A         | 131    | 61     | 111    | 41     | 91     | 21     | 71     | 121    | 51     | 101    | 31     | 81     | 131    | 61     | 111    | 41     | 91     | 21     |
| M         | 10     | 10     | 10     | 11     | 11     | 12     | 12     | 12     | 13     | 13     | 14     | 14     | 15     | 15     | 15     | 16     | 16     | 17     |
| N         | 22     | 22     | 22     | 24     | 24     | 26     | 26     | 26     | 28     | 28     | 30     | 30     | 32     | 32     | 32     | 34     | 34     | 36     |
| 質量(kg)    | 29.89  | 30.82  | 31.75  | 32.69  | 33.62  | 34.56  | 35.49  | 36.42  | 37.36  | 38.29  | 39.23  | 40.16  | 41.1   | 42.03  | 42.97  | 43.9   | 44.84  | 45.77  |

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# M4

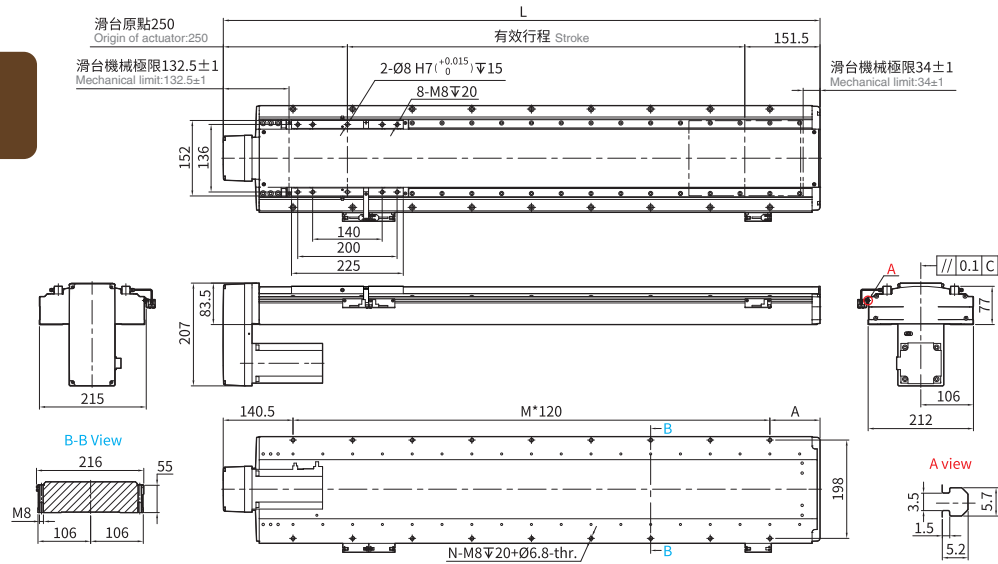


| 行程 Stroke | 50    | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650    | 700    | 750    | 800    | 850    | 900    |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| L         | 437.5 | 487.5 | 537.5 | 587.5 | 637.5 | 687.5 | 737.5 | 787.5 | 837.5 | 887.5 | 937.5 | 987.5 | 1037.5 | 1087.5 | 1137.5 | 1187.5 | 1237.5 | 1287.5 |
| A         | 71    | 121   | 51    | 101   | 31    | 81    | 131   | 61    | 111   | 41    | 91    | 21    | 71     | 121    | 51     | 101    | 31     | 81     |
| M         | 2     | 2     | 3     | 3     | 4     | 4     | 5     | 5     | 5     | 6     | 6     | 7     | 7      | 7      | 8      | 8      | 9      | 9      |
| N         | 6     | 6     | 8     | 8     | 10    | 10    | 12    | 12    | 12    | 14    | 14    | 16    | 16     | 16     | 18     | 18     | 20     | 20     |
| 質量(kg)    | 13.07 | 14    | 14.94 | 15.89 | 16.81 | 17.74 | 18.68 | 19.61 | 20.54 | 21.48 | 22.41 | 23.35 | 24.28  | 25.21  | 26.15  | 27.08  | 28.02  | 28.95  |

| 行程 Stroke | 950    | 1000   | 1050   | 1100   | 1150   | 1200   | 1250   | 1300   | 1350   | 1400   | 1450   | 1500   | 1550   | 1600   | 1650   | 1700   | 1750   | 1800   |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| L         | 1337.5 | 1387.5 | 1437.5 | 1487.5 | 1537.5 | 1587.5 | 1637.5 | 1687.5 | 1737.5 | 1787.5 | 1837.5 | 1887.5 | 1937.5 | 1987.5 | 2037.5 | 2087.5 | 2137.5 | 2187.5 |
| A         | 131    | 61     | 111    | 41     | 91     | 21     | 71     | 121    | 51     | 101    | 31     | 81     | 131    | 61     | 111    | 41     | 91     | 21     |
| M         | 10     | 10     | 10     | 11     | 11     | 12     | 12     | 12     | 13     | 13     | 14     | 14     | 15     | 15     | 15     | 16     | 16     | 17     |
| N         | 22     | 22     | 22     | 24     | 24     | 26     | 26     | 26     | 28     | 28     | 30     | 30     | 32     | 32     | 32     | 34     | 34     | 36     |
| 質量(kg)    | 29.89  | 30.82  | 31.75  | 32.69  | 33.62  | 34.56  | 35.49  | 36.42  | 37.36  | 38.29  | 39.23  | 40.16  | 41.1   | 42.03  | 42.97  | 43.9   | 44.84  | 45.77  |

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# M6



| 行程 Stroke | 50    | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600    | 650    | 700    | 750    | 800    | 850    | 900    |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| L         | 451.5 | 501.5 | 551.5 | 601.5 | 651.5 | 701.5 | 751.5 | 801.5 | 851.5 | 901.5 | 951.5 | 1001.5 | 1051.5 | 1101.5 | 1151.5 | 1201.5 | 1251.5 | 1301.5 |
| A         | 71    | 121   | 51    | 101   | 31    | 81    | 131   | 61    | 111   | 41    | 91    | 21     | 71     | 121    | 51     | 101    | 31     | 81     |
| M         | 2     | 2     | 3     | 3     | 4     | 4     | 5     | 5     | 5     | 6     | 6     | 7      | 7      | 7      | 8      | 8      | 9      | 9      |
| N         | 6     | 6     | 8     | 8     | 10    | 10    | 12    | 12    | 12    | 14    | 14    | 16     | 16     | 16     | 18     | 18     | 20     | 20     |
| 質量(kg)    | 13.07 | 14    | 14.94 | 15.89 | 16.81 | 17.74 | 18.68 | 19.61 | 20.54 | 21.48 | 22.41 | 23.35  | 24.28  | 25.21  | 26.15  | 27.08  | 28.02  | 28.95  |

| 行程 Stroke | 950    | 1000   | 1050   | 1100   | 1150   | 1200   | 1250   | 1300   | 1350   | 1400   | 1450   | 1500   | 1550   | 1600   | 1650   | 1700   | 1750   | 1800   |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| L         | 1351.5 | 1401.5 | 1451.5 | 1501.5 | 1551.5 | 1601.5 | 1651.5 | 1701.5 | 1751.5 | 1801.5 | 1851.5 | 1901.5 | 1951.5 | 2001.5 | 2051.5 | 2101.5 | 2151.5 | 2201.5 |
| A         | 131    | 61     | 111    | 41     | 91     | 21     | 71     | 121    | 51     | 101    | 31     | 81     | 131    | 61     | 111    | 41     | 91     | 21     |
| M         | 10     | 10     | 10     | 11     | 11     | 12     | 12     | 12     | 13     | 13     | 14     | 14     | 15     | 15     | 15     | 16     | 16     | 17     |
| N         | 22     | 22     | 22     | 24     | 24     | 26     | 26     | 26     | 28     | 28     | 30     | 30     | 32     | 32     | 32     | 34     | 34     | 36     |
| 質量(kg)    | 29.89  | 30.82  | 31.75  | 32.69  | 33.62  | 34.56  | 35.49  | 36.42  | 37.36  | 38.29  | 39.23  | 40.16  | 41.1   | 42.03  | 42.97  | 43.9   | 44.84  | 45.77  |

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