

Количество воздуха в литрах

| Модель: | AP1 DA/SR | AP2 DA/SR | AP3 DA/SR | AP3.5 DA/SR | AP4 DA/SR | AP4.5 DA/SR | AP5 DA/SR | AP5.5 DA/SR | AP6 DA/SR | AP8 DA/SR | AP10 DA/SR |
|---------------------|-----------|-----------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-----------|------------|
| Counter clockwise | 0.08 | 0.12 | 0.24 | 0.48 | 0.68 | 1 | 1.4 | 1.6 | 3.2 | 5.3 | 14.2 |
| Clockwise (DA only) | 0.10 | 0.16 | 0.44 | 0.56 | 0.96 | 1.6 | 2.16 | 2.56 | 4 | 8.6 | 16.5 |

Время открытия / закрытия (секунд) при давлении 5.6 бар

| Модель: | AP1 | AP2 | AP3 | AP3.5 | AP4 | AP4.5 | AP5 | AP5.5 | AP6 | AP8 | AP10 |
|---------------|-----------------|-----------------|-----------------|-------------------|--------------------|-----------------|---------------------|--------------------|------------|----------|----------|
| Double Acting | Less than 1 Sec | Less than 1 Sec | Less than 1 Sec | Less than 1 Sec | Less than 1 Sec | Less than 1 Sec | Less than 1.25 Secs | Less than 1.5 Secs | 1.5÷2 Secs | 3÷4 Secs | 5÷6 Secs |
| Spring Return | Less than 1 Sec | Less than 1 Sec | Less than 1 Sec | Less than 1.5 Sec | Less than 1.5 Secs | Less than 1 Sec | 1.5÷2 Secs | 2 Secs | 2÷3 Secs | 4÷6 Secs | 7÷8 Secs |

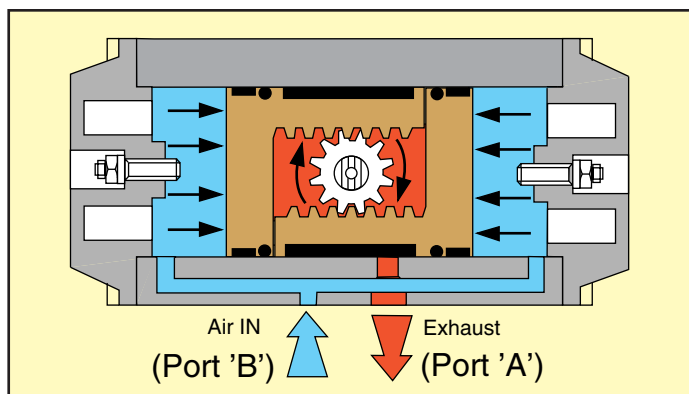
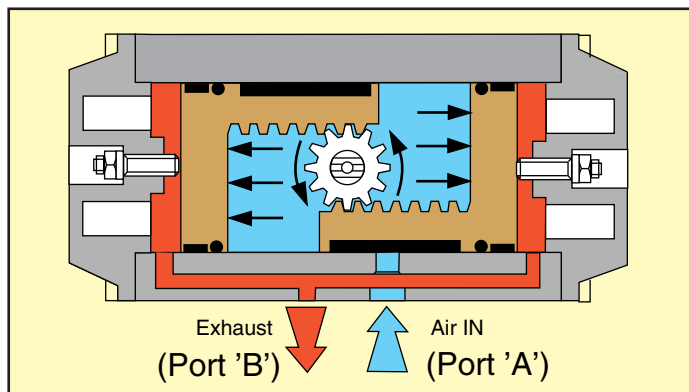
* Вес в килограммах

| Модель: | AP1 | AP2 | AP3 | AP3.5 | AP4 | AP4.5 | AP5 | AP5.5 | AP6 | AP8 | AP10 |
|----------------|------|------|------|-------|------|-------|-------|-------|-------|-------|------|
| Double Acting | 1.15 | 1.60 | 2.80 | 4.28 | 5.80 | 8.26 | 11.63 | 14.15 | 21.70 | 40.10 | 110 |
| Spring Return* | 1.27 | 1.85 | 3.36 | 4.91 | 6.92 | 9.72 | 14.15 | 17.35 | 25.90 | 48.62 | 128 |

Пневмопривод двойного действия (DA) ISO5211

Принцип действия

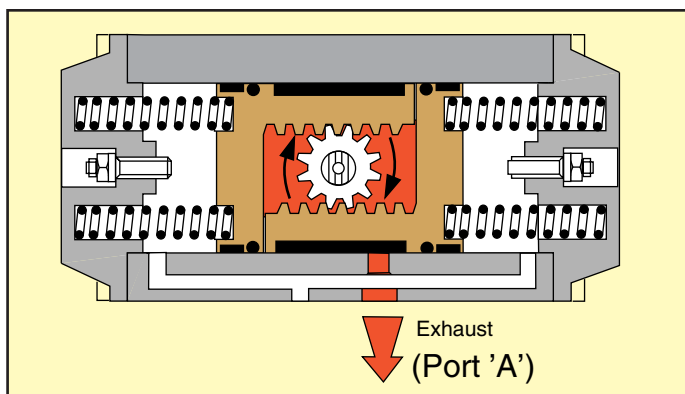
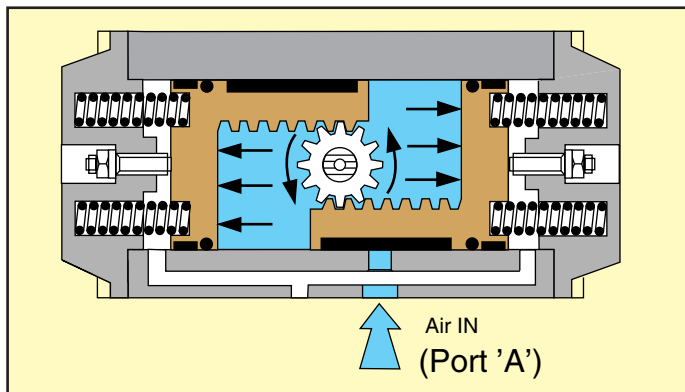
При подаче давления в порт A (Port 'A') действует сила раздвигающая поршни и ротор пневмопривода движется против часовой стрелки. При подаче давления в порт B (Port 'B') ротор пневмопривода движется по часовой стрелке.



Пневмопривод одностороннего действия (SR) ISO5211

Принцип действия

При подаче давления в порт A (Port 'A') действует сила раздвигающая поршни и ротор пневмопривода движется против часовой стрелки сжимая пружины. При отсутствии подачи давления силой пружин ротор пневмопривода движется по часовой стрелке.



Момент силы создаваемый пневмоприводом двустороннего действия (DA) в Н.м.

| Модель: | Рабочее давление, бар | | | | | | |
|----------|-----------------------|-------|-------|-------|-------|-------|-------|
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | 30 | 44 | 58 | 73 | 87 | 102 | 116 |
| AP1 DA | 5.9 | 8.9 | 11.8 | 14.8 | 17.7 | 21.7 | 24.8 |
| AP2 DA | 9.4 | 14.1 | 18.8 | 23.5 | 28.2 | 32.9 | 37.6 |
| AP3 DA | 20 | 30 | 40 | 50 | 60 | 70 | 80 |
| AP3.5 DA | 34 | 51 | 68 | 85 | 102 | 119 | 136 |
| AP4 DA | 48 | 71 | 95 | 119 | 142 | 168 | 192 |
| AP4.5 DA | 87.2 | 130.8 | 174.4 | 218 | 261.6 | 305.2 | 348.8 |
| AP5 DA | 111 | 167 | 222 | 278 | 333 | 388.5 | 444 |
| AP5.5 DA | 157.6 | 236.4 | 315.3 | 394.1 | 473 | 551.8 | 630.6 |
| AP6 DA | 227 | 340 | 454 | 567 | 680 | 794.5 | 908 |
| AP8 DA | 426 | 638 | 851 | 1064 | 1276 | 1491 | 1704 |
| AP10 DA | 1078 | 1617 | 2156 | 2695 | 3234 | 3773 | 4312 |

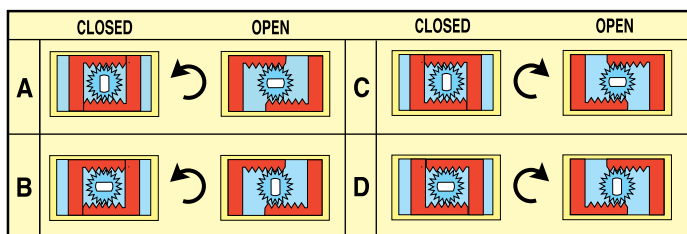
Замечание: выходной момент на пневмоприводе должен превышать рекомендуемый момент на арматуре

Момент силы создаваемый пневмоприводом одностороннего действия (SR) в Н.м.

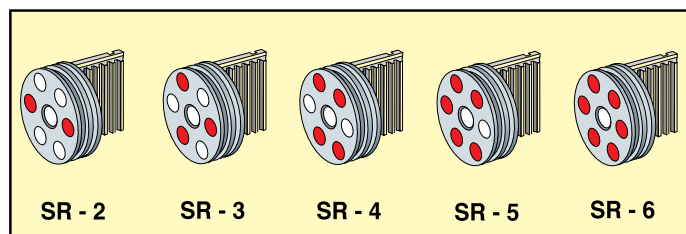
| Модель: | кол-во пружин с одной стороны | Рабочее давление, бар | | | | | | | | | | | | сила пружин | |
|---------|-------------------------------|-----------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|--------|
| | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | | |
| | | 0° | 90° | 0° | 90° | 0° | 90° | 0° | 90° | 0° | 90° | 0° | 90° | 90° | 0° |
| AP1SR | 2 | 6.5 | 5.4 | 9.4 | 8.3 | 12.4 | 11.3 | 15.3 | 14.2 | 19.3 | 18.2 | 22.4 | 21.3 | 3.5 | 2.4 |
| | 3 | 5.3 | 3.7 | 8.2 | 6.6 | 11.2 | 9.6 | 14.1 | 12.5 | 18.1 | 16.5 | 21.2 | 19.6 | 5.2 | 3.6 |
| | 4 | 4.1 | 1.9 | 7.0 | 4.8 | 10.0 | 7.8 | 12.9 | 10.7 | 16.9 | 14.7 | 20.0 | 17.8 | 7.0 | 4.8 |
| | 5 | = | = | 3.1 | 2.7 | 8.8 | 6.1 | 11.7 | 9.0 | 15.7 | 13.0 | 18.8 | 16.1 | 8.7 | 6.0 |
| | 6 | = | = | = | = | 7.6 | 4.3 | 10.5 | 7.2 | 14.5 | 11.2 | 17.6 | 14.3 | 10.5 | 7.2 |
| AP2SR | 2 | 10.3 | 8.5 | 15.0 | 13.2 | 19.7 | 17.9 | 24.4 | 22.6 | 29.1 | 27.3 | 33.8 | 32.0 | 5.6 | 3.8 |
| | 3 | 8.4 | 5.7 | 13.1 | 10.4 | 17.8 | 15.1 | 22.5 | 19.8 | 27.2 | 24.5 | 31.9 | 29.2 | 8.4 | 5.7 |
| | 4 | = | = | 11.2 | 7.6 | 15.9 | 12.3 | 20.6 | 17.0 | 25.3 | 21.7 | 30.0 | 26.4 | 11.2 | 7.6 |
| | 5 | = | = | = | = | 14.0 | 9.5 | 18.7 | 14.2 | 23.4 | 18.9 | 28.1 | 23.6 | 14.0 | 9.5 |
| | 6 | = | = | = | = | 12.1 | 6.7 | 16.8 | 11.4 | 21.5 | 16.1 | 26.2 | 20.8 | 16.8 | 11.4 |
| AP3SR | 2 | 22.0 | 18.0 | 32.0 | 28.0 | 42.0 | 38.0 | 52.0 | 48.0 | 62.0 | 58.0 | 72.0 | 68.0 | 12.0 | 8.0 |
| | 3 | 18.0 | 12.0 | 28.0 | 22.0 | 38.0 | 32.0 | 48.0 | 42.0 | 58.0 | 52.0 | 68.0 | 62.0 | 18.0 | 12.0 |
| | 4 | = | = | 24.0 | 16.0 | 34.0 | 26.0 | 44.0 | 36.0 | 54.0 | 46.0 | 64.0 | 56.0 | 24.0 | 16.0 |
| | 5 | = | = | = | = | 30.0 | 20.0 | 40.0 | 30.0 | 50.0 | 40.0 | 60.0 | 50.0 | 30.0 | 20.0 |
| | 6 | = | = | = | = | 26.0 | 14.0 | 36.0 | 24.0 | 46.0 | 34.0 | 56.0 | 44.0 | 36.0 | 24.0 |
| AP3.5SR | 2 | 41.5 | 30.0 | 58.5 | 47.0 | 75.5 | 64.0 | 92.5 | 81.0 | 109.5 | 98.0 | 126.5 | 115.0 | 21.0 | 9.5 |
| | 3 | 32.0 | 20.0 | 49.0 | 37.0 | 66.0 | 54.0 | 83.0 | 71.0 | 100.0 | 88.0 | 117.0 | 105.0 | 31.0 | 19.0 |
| | 4 | = | = | 43.0 | 20.0 | 60.0 | 37.0 | 77.0 | 54.0 | 94.0 | 71.0 | 111.0 | 88.0 | 48.0 | 25.0 |
| | 5 | = | = | = | = | 53.0 | 33.0 | 70.0 | 50.0 | 87.0 | 67.0 | 104.0 | 84.0 | 52.0 | 32.0 |
| | 6 | = | = | = | = | 47.0 | 22.0 | 64.0 | 39.0 | 81.0 | 56.0 | 106.4 | 73.0 | 63.0 | 38.0 |
| AP4SR | 2 | 52.7 | 42.4 | 76.7 | 66.4 | 100.7 | 90.4 | 123.7 | 113.4 | 149.7 | 139.4 | 173.7 | 175.2 | 28.6 | 18.3 |
| | 3 | 43.0 | 28.0 | 67.0 | 52.0 | 91.0 | 76.0 | 114.0 | 99.0 | 140.0 | 125.0 | 164.0 | 153.6 | 43.0 | 28.0 |
| | 4 | = | = | 58.0 | 38.0 | 82.0 | 62.0 | 105.0 | 85.0 | 131.0 | 111.0 | 155.0 | 132.0 | 57.0 | 37.0 |
| | 5 | = | = | = | = | 73.0 | 47.0 | 96.0 | 70.0 | 122.0 | 96.0 | 146.0 | 110.4 | 72.0 | 46.0 |
| | 6 | = | = | = | = | 64.0 | 33.0 | 87.0 | 56.0 | 113.0 | 82.0 | 137.0 | 88.8 | 86.0 | 55.0 |
| AP4.5SR | 2 | 96.8 | 77.5 | 140.4 | 121.1 | 184.0 | 164.7 | 227.6 | 208.3 | 271.2 | 251.9 | 314.8 | 295.5 | 53.3 | 34.0 |
| | 3 | 79.8 | 50.9 | 123.4 | 94.5 | 167.0 | 138.1 | 210.6 | 181.7 | 254.2 | 225.3 | 297.8 | 268.9 | 79.9 | 51.0 |
| | 4 | 62.8 | 24.2 | 106.4 | 67.8 | 150.0 | 111.4 | 193.6 | 155.0 | 237.2 | 198.6 | 280.8 | 242.2 | 106.6 | 68.0 |
| | 5 | = | = | 89.4 | 41.1 | 133.0 | 84.7 | 176.6 | 128.3 | 220.2 | 171.9 | 263.8 | 215.5 | 133.3 | 85.0 |
| | 6 | = | = | 72.4 | 14.4 | 116.0 | 58.0 | 159.6 | 101.6 | 203.2 | 145.2 | 246.8 | 188.8 | 160.0 | 102.0 |
| AP5SR | 2 | 123.7 | 99.4 | 178.7 | 154.4 | 234.7 | 210.4 | 289.7 | 265.4 | 345.2 | 320.9 | 400.7 | 376.4 | 67.6 | 43.3 |
| | 3 | 103.0 | 66.0 | 158.0 | 121.0 | 214.0 | 177.0 | 269.0 | 232.0 | 324.5 | 287.5 | 380.0 | 343.0 | 101.0 | 64.0 |
| | 4 | = | = | 136.0 | 87.0 | 192.0 | 143.0 | 247.0 | 198.0 | 302.5 | 253.5 | 358.0 | 309.0 | 135.0 | 86.0 |
| | 5 | = | = | = | = | 170.0 | 109.0 | 225.0 | 164.0 | 280.5 | 219.5 | 336.0 | 275.0 | 169.0 | 108.0 |
| | 6 | = | = | = | = | 148.0 | 75.0 | 203.0 | 130.0 | 258.5 | 185.5 | 314.0 | 241.0 | 203.0 | 130.0 |
| AP5.5SR | 2 | 176.2 | 132.8 | 258.7 | 215.3 | 337.5 | 294.1 | 416.4 | 373.0 | 495.2 | 451.8 | 574.0 | 530.6 | 100.0 | 56.6 |
| | 3 | 147.9 | 82.8 | 230.4 | 165.3 | 309.2 | 244.1 | 388.1 | 323.0 | 466.9 | 401.8 | 545.7 | 480.6 | 150.0 | 84.9 |
| | 4 | 119.5 | 32.8 | 202.0 | 115.3 | 280.8 | 194.1 | 359.7 | 273.0 | 438.5 | 351.8 | 517.3 | 430.6 | 200.0 | 113.3 |
| | 5 | = | = | 173.7 | 65.3 | 252.5 | 144.1 | 331.4 | 223.0 | 410.2 | 301.8 | 489.0 | 380.6 | 250.0 | 141.6 |
| | 6 | = | = | 145.3 | 15.3 | 224.1 | 94.1 | 303.0 | 173.0 | 381.8 | 251.8 | 460.6 | 330.6 | 300.0 | 170.0 |
| AP6SR | 2 | 257.0 | 200.0 | 371.0 | 314.0 | 484.0 | 427.0 | 597.0 | 540.0 | 711.5 | 645.5 | 825.0 | 768.0 | 140.0 | 83.0 |
| | 3 | 215.0 | 130.0 | 329.0 | 244.0 | 442.0 | 357.0 | 555.0 | 470.0 | 669.5 | 584.5 | 783.0 | 698.0 | 210.0 | 125.0 |
| | 4 | = | = | 287.0 | 174.0 | 400.0 | 287.0 | 513.0 | 400.0 | 627.5 | 514.5 | 741.0 | 628.0 | 280.0 | 167.0 |
| | 5 | = | = | = | = | 358.0 | 217.0 | 471.0 | 330.0 | 585.5 | 444.5 | 699.0 | 558.0 | 350.0 | 209.0 |
| | 6 | = | = | = | = | 316.0 | 147.0 | 429.0 | 260.0 | 543.5 | 374.5 | 657.0 | 488.0 | 420.0 | 251.0 |
| AP8SR | 2 | 478.0 | 386.0 | 691.0 | 599.0 | 904.0 | 812.0 | 1116.0 | 1024.0 | 1331.0 | 1239.0 | 1704.0 | 1452.0 | 252.0 | 160.0 |
| | 3 | 398.0 | 260.0 | 611.0 | 473.0 | 824.0 | 686.0 | 1036.0 | 898.0 | 1251.0 | 1113.0 | 1464.0 | 1326.0 | 378.0 | 240.0 |
| | 4 | = | = | 531.0 | 347.0 | 744.0 | 560.0 | 956.0 | 772.0 | 1171.0 | 987.0 | 1384.0 | 1200.0 | 504.0 | 320.0 |
| | 5 | = | = | = | = | 664.0 | 434.0 | 876.0 | 646.0 | 1091.0 | 861.0 | 1304.0 | 1074.0 | 630.0 | 400.0 |
| | 6 | = | = | = | = | 584.0 | 308.0 | 796.0 | 520.0 | 1011.0 | 735.0 | 1224.0 | 948.0 | 756.0 | 480.0 |
| AP10SR | 2 | 1181.0 | 957.0 | 1720.0 | 1496.0 | 2259.0 | 2035.0 | 2798.0 | 2574.0 | 3337.0 | 3113.0 | 3876.0 | 3652.0 | 660.0 | 436.0 |
| | 3 | 963.0 | 628.0 | 1502.0 | 1167.0 | 2041.0 | 1706.0 | 2580.0 | 2245.0 | 3119.0 | 2784.0 | 3658.0 | 3323.0 | 989.0 | 654.0 |
| | 4 | = | = | 1284.0 | 837.0 | 1823.0 | 1376.0 | 2362.0 | 1915.0 | 2901.0 | 2454.0 | 3440.0 | 2993.0 | 1319.0 | 872.0 |
| | 5 | = | = | = | = | 1605.0 | 1046.0 | 2144.0 | 1585.0 | 2683.0 | 2124.0 | 3222.0 | 2663.0 | 1649.0 | 1090.0 |
| | 6 | = | = | = | = | = | = | 1909.0 | 1254.0 | 2448.0 | 1793.0 | 2987.0 | 2332.0 | 1980.0 | 1325.0 |

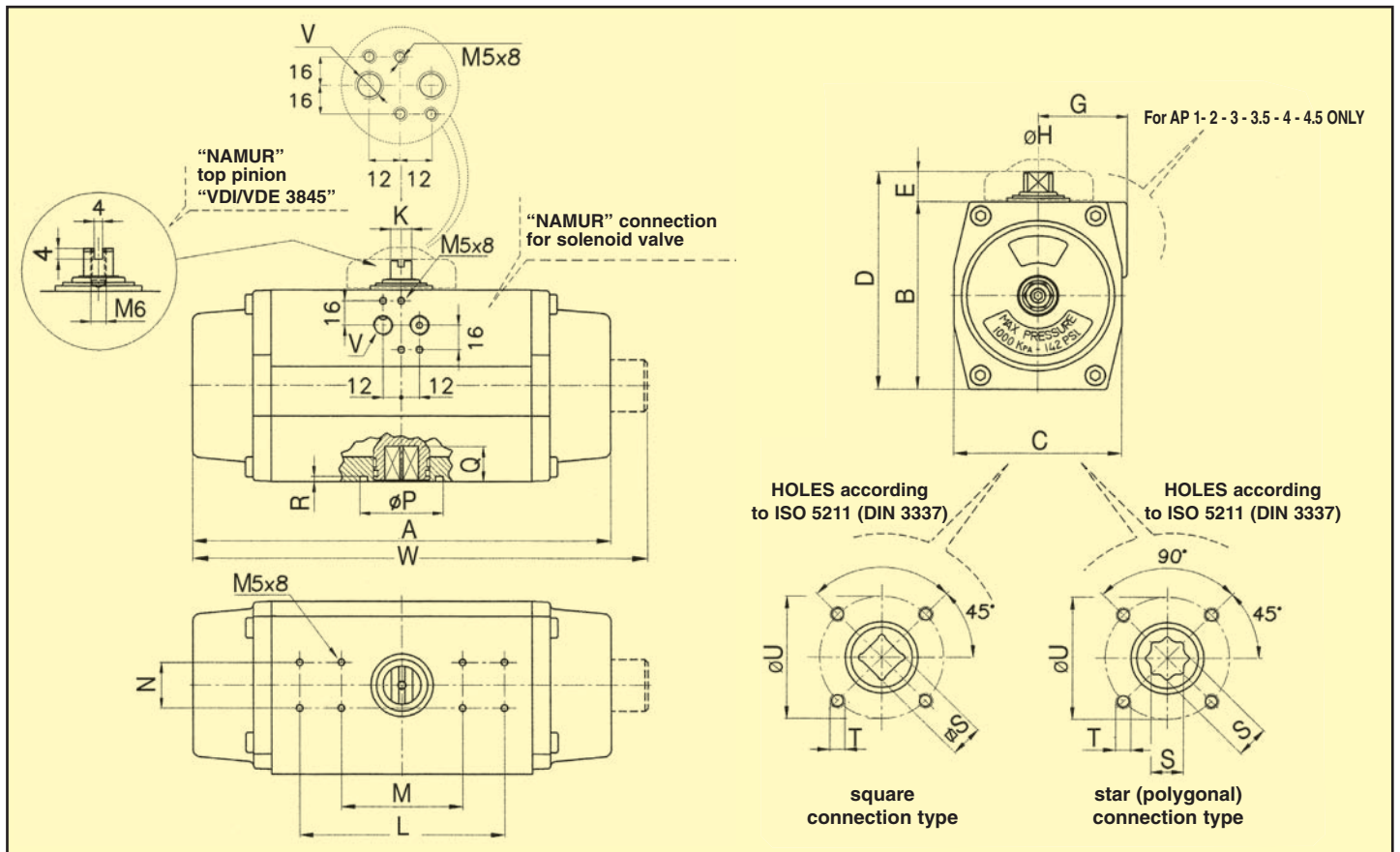
Замечание: выходной момент на пневмоприводе должен превышать рекомендуемый момент на арматуре

ВАРИАНТЫ УСТАНОВКИ:



ПРАВИЛЬНОЕ РАСПОЛОЖЕНИЕ ПРУЖИН:





Размеры в мм

| Model | A | W* | B | C | D | E | F | G | H | K | L | M | N | P | Q | R | ∠S-S | T | U | V | ISO 5211 STD. | ISO 5211 SPECIAL |
|-------|-----|-----|-----|-----|-----|----|----|------|----|----|-----|----|----|-------|----|-----|---------|--------|--------|------|---------------|------------------|
| AP1 | 142 | 162 | 67 | 60 | 87 | 20 | 42 | 41 | 12 | 8 | - | 80 | 30 | 25 | 10 | 2 | 9/11** | M5/M6 | 36/50 | 1/8" | F03/F05 | F04 |
| AP2 | 155 | 171 | 83 | 73 | 103 | 20 | 42 | 44.5 | 12 | 8 | - | 80 | 30 | 30/35 | 12 | 2 | 11/14** | M5/M6 | 42/50 | 1/4" | F04/F05*** | - |
| AP3 | 213 | 240 | 100 | 85 | 120 | 20 | 50 | 49.5 | 14 | 10 | - | 80 | 30 | 35 | 16 | 3 | 14/17** | M6/M8 | 50/70 | 1/4" | F05/F07 | - |
| AP3.5 | 236 | 268 | 110 | 98 | 130 | 20 | 50 | 53 | 19 | 14 | - | 80 | 30 | 55 | 20 | 3.5 | 17/22** | M8 | 70 | 1/4" | F07 | F05 |
| AP4 | 276 | 304 | 125 | 110 | 145 | 20 | 50 | 58 | 19 | 14 | - | 80 | 30 | 55 | 20 | 3.5 | 17/22** | M8/M10 | 70/102 | 1/4" | F07/F10 | - |
| AP4.5 | 310 | 350 | 142 | 128 | 172 | 30 | 58 | 69 | 28 | 20 | 130 | 80 | 30 | 70 | 24 | 3.5 | 17**/22 | M10 | 102 | 1/4" | F10 | F07 |
| AP5 | 366 | 405 | 155 | 140 | 185 | 30 | - | - | 28 | 20 | 130 | 80 | 30 | 70 | 24 | 3.5 | 17**/22 | M10 | 102 | 1/4" | F10 | F07/F12 |
| AP5.5 | 388 | 442 | 176 | 160 | 206 | 30 | - | - | 36 | 28 | 130 | 80 | 30 | 85 | 29 | 3.5 | 22**/27 | M12 | 125 | 1/4" | F12 | F10 |
| AP6 | 468 | 500 | 200 | 175 | 230 | 30 | - | - | 36 | 28 | 130 | 80 | 30 | 85 | 29 | 3.5 | 22**/27 | M12 | 125 | 1/4" | F12 | F10 |
| AP8 | 563 | 612 | 250 | 215 | 300 | 50 | - | - | 48 | 32 | 130 | - | 30 | 100 | 38 | 5 | 27**/36 | M16 | 140 | 1/4" | F14 | F12 |
| AP10 | 750 | 838 | 335 | 290 | 385 | 50 | - | - | 48 | 32 | 130 | - | 30 | 130 | 50 | 5 | 36**/46 | M20 | 165 | 1/4" | F16 | F14 |

** Размеры по запросу
*** Выбор при заказе