

# Technical Data

## RMPG 0612



| Description                        | Spalte1 | RMPG 0612-0           | RMPG 0612-90          |
|------------------------------------|---------|-----------------------|-----------------------|
|                                    | ID      | 0313581               | 0313582               |
| Stroke per finger                  | [mm]    | 1,2                   | 1,2                   |
| Closing force                      | [N]     | 10                    | 10                    |
| Opening force                      | [N]     | 8                     | 8                     |
| Min. gripping force through spring | [N]     |                       |                       |
| Torque                             | [Nm]    | 0,05                  | 0,05                  |
| Rotating angle                     | [°]     | 185                   | 185                   |
| Adjustability for end positions    | [°]     | steplessly adjustable | steplessly adjustable |
| Recommended workpiece weight       | [kg]    | 0,05                  | 0,05                  |
| Air consumption for gripping       | [cm³]   | 0,2                   | 0,2                   |
| Air consumption for swiveling      | [cm³]   | 0,656                 | 0,656                 |
| Weight                             | [kg]    | 0,054                 | 0,054                 |
| Nominal pressure                   | [bar]   | 6                     | 6                     |
| Minimum pressure for gripping      | [bar]   | 3                     | 3                     |
| Maximum pressure for gripping      | [bar]   | 6                     | 6                     |
| Minimum pressure for swiveling     | [bar]   | 3                     | 3                     |
| Maximum pressure for swiveling     | [bar]   | 8                     | 8                     |
| Closing time for gripping          | [s]     | 0,01                  | 0,01                  |
| Opening time for gripping          | [s]     | 0,01                  | 0,01                  |
| Max. permitted finger length       | [mm]    | 12                    | 12                    |
| IP class                           |         | 30                    | 30                    |
| Min. ambient temperature           | [°C]    | 5                     | 5                     |
| Max. ambient temperature           | [°C]    | 60                    | 60                    |
| Repeat accuracy for gripping       | [mm]    | +/-0,02               | +/-0,02               |
| Repeat accuracy for gripping       | [°]     | +/-0,041              | +/-0,041              |
| Adjustment angle                   | [°]     | 0                     | 90                    |

## Technical Data

### RMPG 0812



| Description                        | Column 1 | RMPG 0812-0           | RMPG 0812-90          |
|------------------------------------|----------|-----------------------|-----------------------|
|                                    | ID       | 0313583               | 0313584               |
| Stroke per finger                  | [mm]     | 1,2                   | 1,2                   |
| Closing force                      | [N]      | 10                    | 10                    |
| Opening force                      | [N]      | 8                     | 8                     |
| Min. gripping force through spring | [N]      |                       |                       |
| Torque                             | [Nm]     | 0,107                 | 0,107                 |
| Rotating angle                     | [°]      | 185                   | 185                   |
| Adjustability of end positions     | [°]      | steplessly adjustable | steplessly adjustable |
| Recommended workpiece weight       | [kg]     | 0,05                  | 0,05                  |
| Air consumption for gripping       | [cm³]    | 0,2                   | 0,2                   |
| Air consumption for swiveling      | [cm³]    | 1,4                   | 1,4                   |
| Weight                             | [kg]     | 0,099                 | 0,099                 |
| Nominal pressure                   | [bar]    | 6                     | 6                     |
| Minimum pressure for gripping      | [bar]    | 3                     | 3                     |
| Maximum pressure for gripping      | [bar]    | 6                     | 6                     |
| Minimum pressure for swiveling     | [bar]    | 3                     | 3                     |
| Maximum pressure for swiveling     | [bar]    | 8                     | 8                     |
| Closing time for gripping          | [s]      | 0,01                  | 0,01                  |
| Opening time for gripping          | [s]      | 0,01                  | 0,01                  |
| Max. permitted finger length       | [mm]     | 12                    | 12                    |
| IP class                           |          | 30                    | 30                    |
| Min. ambient temperature           | [°C]     | 5                     | 5                     |
| Max. ambient temperature           | [°C]     | 60                    | 60                    |
| Repeat accuracy for gripping       | [mm]     | +/-0,02               | +/-0,02               |
| Repeat accuracy for swiveling      | [°]      | +/-0,042              | +/-0,042              |
| Adjustment angle                   | [°]      | 0                     | 90                    |

# Technical Data RMPG 0812



| Description                        | Column 1 | RMPG 0816-0           | RMPG 0816-0-AS        | RMPG 0816-0-IS        | RMPG 0816-90          | RMPG 0816-90-AS       | RMPG 0816-90-IS       |
|------------------------------------|----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                                    | ID       | 0313585               | 0313586               | 0313587               | 0313588               | 0313589               | 0313590               |
| Stroke per finger                  | [mm]     | 1,5                   | 1,5                   | 1,5                   | 1,5                   | 1,5                   | 1,5                   |
| Closing force                      | [N]      | 25                    | 25                    | 25                    | 25                    | 25                    | 25                    |
| Opening force                      | [N]      | 22                    | 22                    | 22                    | 22                    | 22                    | 22                    |
| Min. gripping force through spring | [N]      |                       | 11                    | 11                    |                       | 11                    | 11                    |
| Torque                             | [Nm]     | 0,107                 | 0,107                 | 0,107                 | 0,107                 | 0,107                 | 0,107                 |
| Rotating angle                     | [°]      | 185                   | 185                   | 185                   | 185                   | 185                   | 185                   |
| Adjustability for end positions    | [°]      | steplessly adjustable | steplessly adjustable | steplessly adjustable | steplessly adjustable | steplessly adjustable | steplessly adjustable |
| Recommended workpiece weight       | [kg]     | 0,12                  | 0,12                  | 0,12                  | 0,12                  | 0,12                  | 0,12                  |
| Air consumption for gripping       | [cm³]    | 0,35                  | 0,35                  | 0,35                  | 0,35                  | 0,35                  | 0,35                  |
| Air consumption for swiveling      | [cm³]    | 1,4                   | 1,4                   | 1,4                   | 1,4                   | 1,4                   | 1,4                   |
| Weight                             | [kg]     | 0,116                 | 0,119                 | 0,119                 | 0,116                 | 0,119                 | 0,119                 |
| Nominal pressure                   | [bar]    | 6                     | 6                     | 6                     | 6                     | 6                     | 6                     |
| Minimum pressure for gripping      | [bar]    | 3                     | 3                     | 3                     | 3                     | 3                     | 3                     |
| Maximum pressure for gripping      | [bar]    | 6                     | 6                     | 6                     | 6                     | 6                     | 6                     |
| Minimum pressure for swiveling     | [bar]    | 3                     | 3                     | 3                     | 3                     | 3                     | 3                     |
| Maximum pressure for swiveling     | [bar]    | 8                     | 8                     | 8                     | 8                     | 8                     | 8                     |
| Closing time for gripping          | [s]      | 0,01                  | 0,01                  | 0,01                  | 0,01                  | 0,01                  | 0,01                  |
| Opening time for gripping          | [s]      | 0,01                  | 0,01                  | 0,01                  | 0,01                  | 0,01                  | 0,01                  |
| Max. permitted finger length       | [mm]     | 16                    | 16                    | 16                    | 16                    | 16                    | 16                    |
| IP class                           |          | 30                    | 30                    | 30                    | 30                    | 30                    | 30                    |
| Min. ambient temperature           | [°C]     | 5                     | 5                     | 5                     | 5                     | 5                     | 5                     |
| Max. ambient temperature           | [°C]     | 60                    | 60                    | 60                    | 60                    | 60                    | 60                    |
| Repeat accuracy for gripping       | [mm]     | +/- 0,02              | +/- 0,02              | +/- 0,02              | +/- 0,02              | +/- 0,02              | +/- 0,02              |
| Repeat accuracy for swiveling      | [°]      | +/-0,042              | +/-0,042              | +/-0,042              | +/-0,042              | +/-0,042              | +/-0,042              |
| Adjustment angle                   | [°]      | 0                     | 0                     | 0                     | 90                    | 90                    | 90                    |

# Technical Data

## RMPG 1016



| Description                        | Column 1 | RMPG 1016-0           | RMPG 1016-0-AS        | RMPG 1016-0-IS        | RMPG 1016-90          | RMPG 1016-90-AS       | RMPG 1016-90-IS       |
|------------------------------------|----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                                    | ID       | 0313591               | 0313592               | 0313593               | 0313594               | 0313595               | 0313596               |
| Stroke per finger                  | [mm]     | 1,5                   | 1,5                   | 1,5                   | 1,5                   | 1,5                   | 1,5                   |
| Closing force                      | [N]      | 25                    | 25                    | 25                    | 25                    | 25                    | 25                    |
| Opening force                      | [N]      | 22                    | 22                    | 22                    | 22                    | 22                    | 22                    |
| Min. gripping force through spring | [N]      |                       | 11                    | 11                    |                       | 11                    | 11                    |
| Torque                             | [Nm]     | 0,224                 | 0,224                 | 0,224                 | 0,224                 | 0,224                 | 0,224                 |
| Rotating angle                     | [°]      | 185                   | 185                   | 185                   | 185                   | 185                   | 185                   |
| Adjustability of end positions     | [°]      | steplessly adjustable | steplessly adjustable | steplessly adjustable | steplessly adjustable | steplessly adjustable | steplessly adjustable |
| Recommended workpiece weight       | [kg]     | 0,12                  | 0,12                  | 0,12                  | 0,12                  | 0,12                  | 0,12                  |
| Air consumption for gripping       | [cm³]    | 0,35                  | 0,35                  | 0,35                  | 0,35                  | 0,35                  | 0,35                  |
| Air consumption for swiveling      | [cm³]    | 2,9                   | 2,9                   | 2,9                   | 2,9                   | 2,9                   | 2,9                   |
| Weight                             | [kg]     | 0,203                 | 0,206                 | 0,206                 | 0,203                 | 0,206                 | 0,206                 |
| Nominal pressure                   | [bar]    | 6                     | 6                     | 6                     | 6                     | 6                     | 6                     |
| Minimum pressure for gripping      | [bar]    | 3                     | 3                     | 3                     | 3                     | 3                     | 3                     |
| Maximum pressure for gripping      | [bar]    | 6                     | 6                     | 6                     | 6                     | 6                     | 6                     |
| Minimum pressure for swiveling     | [bar]    | 3                     | 3                     | 3                     | 3                     | 3                     | 3                     |
| Maximum pressure for swiveling     | [bar]    | 8                     | 8                     | 8                     | 8                     | 8                     | 8                     |
| Closing time for gripping          | [s]      | 0,01                  | 0,01                  | 0,01                  | 0,01                  | 0,01                  | 0,01                  |
| Opening time for gripping          | [s]      | 0,01                  | 0,01                  | 0,01                  | 0,01                  | 0,01                  | 0,01                  |
| Max. permitted finger length       | [mm]     | 16                    | 16                    | 16                    | 16                    | 16                    | 16                    |
| IP class                           |          | 30                    | 30                    | 30                    | 30                    | 30                    | 30                    |
| Min. ambient temperature           | [°C]     | 5                     | 5                     | 5                     | 5                     | 5                     | 5                     |
| Max. ambient temperature           | [°C]     | 60                    | 60                    | 60                    | 60                    | 60                    | 60                    |
| Repeat accuracy for gripping       | [mm]     | +/- 0,02              | +/- 0,02              | +/- 0,02              | +/- 0,02              | +/- 0,02              | +/- 0,02              |
| Repeat accuracy for swiveling      | [°]      | +/-0,044              | +/-0,044              | +/-0,044              | +/-0,044              | +/-0,044              | +/-0,044              |
| Adjustment angle                   | [°]      | 0                     | 0                     | 0                     | 90                    | 90                    | 90                    |

## Technical Data

### RMPG 1020



| Description                        | Column 1 | RMPG 1020-0           | RMPG 1020-0-AS        | RMPG 1020-0-IS        | RMPG 1020-90          | RMPG 1020-90-AS       | RMPG 1020-90-IS       |
|------------------------------------|----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                                    | ID       | 0313597               | 0313598               | 0313599               | 0313600               | 0313601               | 0313602               |
| Stroke per finger                  | [mm]     | 2,0                   | 2,0                   | 2,0                   | 2,0                   | 2,0                   | 2,0                   |
| Closing force                      | [N]      | 28                    | 28                    | 28                    | 28                    | 28                    | 28                    |
| Opening force                      | [N]      | 24                    | 24                    | 24                    | 24                    | 24                    | 24                    |
| Min. gripping force through spring | [N]      |                       | 8                     | 7                     |                       | 8                     | 7                     |
| Torque                             | [Nm]     | 0,224                 | 0,224                 | 0,224                 | 0,224                 | 0,224                 | 0,224                 |
| Rotating angle                     | [°]      | 185                   | 185                   | 185                   | 185                   | 185                   | 185                   |
| Adjustability of end positions     | [°]      | steplessly adjustable | steplessly adjustable | steplessly adjustable | steplessly adjustable | steplessly adjustable | steplessly adjustable |
| Recommended workpiece weight       | [kg]     | 0,14                  | 0,14                  | 0                     | 0,12                  | 0,12                  | 0,12                  |
| Air consumption for gripping       | [cm³]    | 0,35                  | 0,35                  | 0,14                  | 0,14                  | 0,14                  | 0,14                  |
| Air consumption for swiveling      | [cm³]    | 2,9                   | 2,9                   | 2,9                   | 2,9                   | 2,9                   | 2,9                   |
| Weight                             | [kg]     | 0,216                 | 0,223                 | 0,223                 | 0,216                 | 0,223                 | 0,223                 |
| Nominal pressure                   | [bar]    | 6                     | 6                     | 6                     | 6                     | 6                     | 6                     |
| Minimum pressure for gripping      | [bar]    | 3                     | 3                     | 3                     | 3                     | 3                     | 3                     |
| Maximum pressure for gripping      | [bar]    | 6                     | 6                     | 6                     | 6                     | 6                     | 6                     |
| Minimum pressure for swiveling     | [bar]    | 3                     | 3                     | 3                     | 3                     | 3                     | 3                     |
| Maximum pressure for swiveling     | [bar]    | 8                     | 8                     | 8                     | 8                     | 8                     | 8                     |
| Closing time for gripping          | [s]      | 0,03                  | 0,03                  | 0,03                  | 0,03                  | 0,03                  | 0,03                  |
| Opening time for gripping          | [s]      | 0,03                  | 0,03                  | 0,03                  | 0,03                  | 0,03                  | 0,03                  |
| Max. permitted finger length       | [mm]     | 20                    | 20                    | 20                    | 20                    | 20                    | 20                    |
| IP class                           |          | 30                    | 30                    | 30                    | 30                    | 30                    | 30                    |
| Min. ambient temperature           | [°C]     | 5                     | 5                     | 5                     | 5                     | 5                     | 5                     |
| Max. ambient temperature           | [°C]     | 60                    | 60                    | 60                    | 60                    | 60                    | 60                    |
| Repeat accuracy for gripping       | [mm]     | +/- 0,02              | +/- 0,02              | +/- 0,02              | +/- 0,02              | +/- 0,02              | +/- 0,02              |
| Repeat accuracy for swiveling      | [°]      | +/-0,044              | +/-0,044              | +/-0,044              | +/-0,044              | +/-0,044              | +/-0,044              |
| Adjustment angle                   | [°]      | 0                     | 0                     | 0                     | 90                    | 90                    | 90                    |