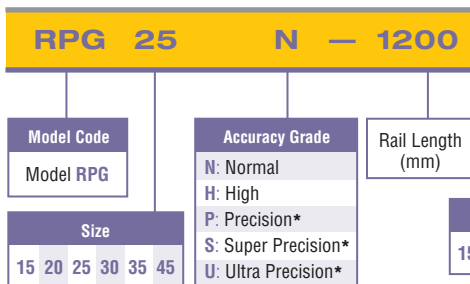


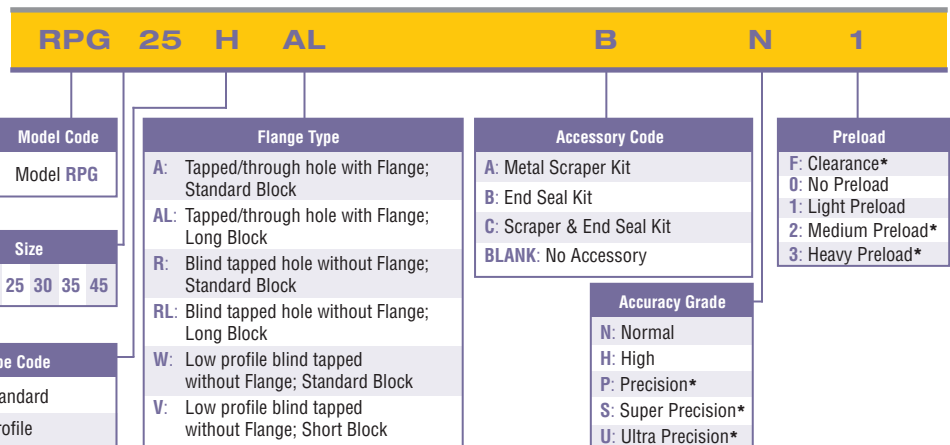
A & AL PRODUCT DIMENSION DATA

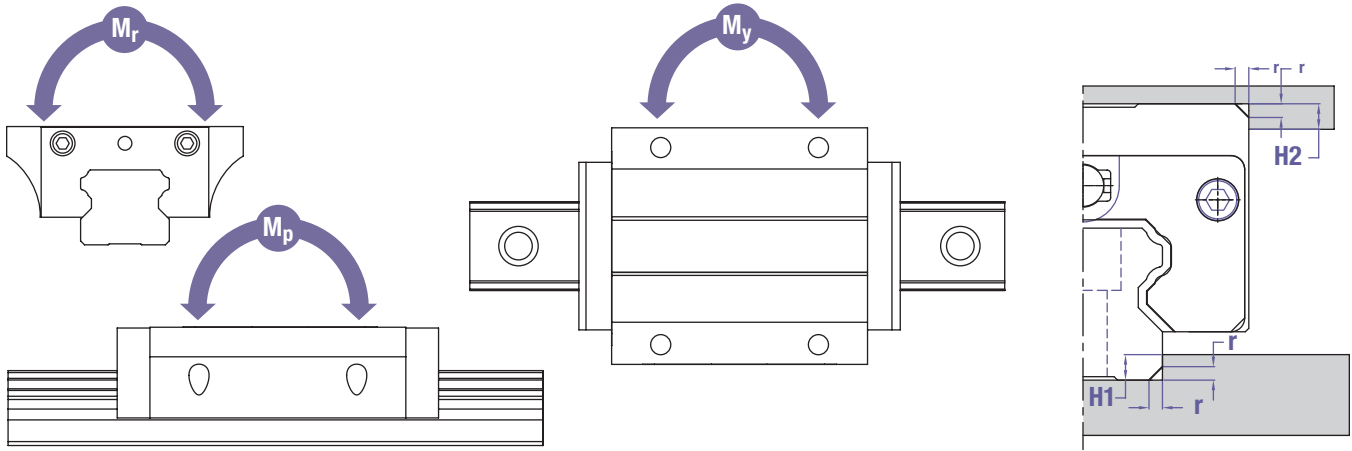
| Model No. | Assembly (mm / in) | | | | RPGH Block | | | | | | | | RPGH Rail | | | |
|-----------|--------------------|----------|----------|----------|------------|----------|----------|--------|-------|----------|-----|------|-----------|----|-----|-------------|
| | H | W | W2 | E | L | B | C | MQxA | L1 | Oil Hole | T1 | N | W1 | H1 | F | dxDxh |
| | mm in | mm in | mm in | mm in | mm in | mm in | mm in | | | | | | | | | |
| RPG15HA | 24 | 47 | 16 | 2.5 | 68 | 38 | 30 | M5x8 | 40 | Ø3 | 4.3 | 5 | 15 | 14 | 60 | 4.5x7.5x5.3 |
| | 0.945 | 1.850 | 0.630 | 0.098 | 2.677 | 1.496 | 1.181 | | 1.575 | | | | | | | |
| RPG20HA | 30 | 63 | 21.5 | 2.9 | 79.8 | 53 | 40 | M6x9 | 48.8 | M6x1 | 7 | 15.6 | 20 | 18 | 60 | 6x9.5x8.5 |
| | 1.181 | 2.480 | 0.846 | 0.114 | 3.142 | 2.087 | 1.575 | | 1.921 | | | | | | | |
| RPG20HAL | 30 | 63 | 21.5 | 5 | 92.4 | 53 | 40 | M6x9 | 63.4 | M6x1 | 7 | 15.6 | 20 | 18 | 60 | 6x9.5x8.5 |
| | 1.181 | 2.480 | 0.846 | 0.197 | 3.638 | 2.087 | 1.575 | | 2.496 | | | | | | | |
| RPG25HA | 36 | 70 | 23.5 | 4.9 | 90 | 57 | 45 | M8x12 | 57 | M6x1 | 7.8 | 15.6 | 23 | 22 | 60 | 7x11x9 |
| | 1.417 | 2.756 | 0.925 | 0.193 | 3.543 | 2.244 | 1.772 | | 2.244 | | | | | | | |
| RPG25HAL | 36 | 70 | 23.5 | 7 | 110.1 | 57 | 45 | M8x12 | 79.1 | M6x1 | 7.8 | 15.6 | 23 | 22 | 60 | 7x11x9 |
| | 1.417 | 2.756 | 0.925 | 0.276 | 4.335 | 2.244 | 1.772 | | 3.114 | | | | | | | |
| RPG30HA | 42 | 90 | 31 | 9 | 109 | 72 | 52 | M10x12 | 72 | M6x1 | 7 | 15.6 | 28 | 26 | 80 | 9x14x12 |
| | 1.654 | 3.543 | 1.220 | 0.354 | 4.291 | 2.835 | 2.047 | | 2.835 | | | | | | | |
| RPG30HAL | 42 | 90 | 31 | 9 | 131.3 | 72 | 52 | M10x12 | 94.3 | M6x1 | 7 | 15.6 | 28 | 26 | 80 | 9x14x12 |
| | 1.654 | 3.543 | 1.220 | 0.354 | 5.169 | 2.835 | 2.047 | | 3.713 | | | | | | | |
| RPG35HA | 48 | 100 | 33 | 7.6 | 111 | 82 | 62 | M10x13 | 80 | M6x1 | 8 | 15.6 | 34 | 29 | 80 | 9x14x12 |
| | 1.890 | 3.937 | 1.299 | 0.299 | 4.370 | 3.228 | 2.441 | | 3.150 | | | | | | | |
| RPG35HAL | 48 | 100 | 33 | 9.5 | 134.8 | 82 | 62 | M10x13 | 105.8 | M6x1 | 8 | 15.6 | 34 | 29 | 80 | 9x14x12 |
| | 1.890 | 3.937 | 1.299 | 0.374 | 5.307 | 3.228 | 2.441 | | 4.165 | | | | | | | |
| RPG45HA | 60 | 120 | 37.5 | 12.05 | 140.2 | 100 | 80 | M12x15 | 105 | M8x1 | 8.5 | 16 | 45 | 38 | 105 | 14x20x17 |
| | 2.362 | 4.724 | 1.476 | 0.474 | 5.520 | 3.937 | 3.150 | | 4.134 | | | | | | | |
| RPG45HAL | 60 | 120 | 37.5 | 14 | 163 | 100 | 80 | M12x15 | 129.8 | M8x1 | 8.5 | 16 | 45 | 38 | 105 | 14x20x17 |
| | 2.362 | 4.724 | 1.476 | 0.551 | 6.417 | 3.937 | 3.150 | | 5.110 | | | | | | | |

PROFILE LINEAR GUIDE RAIL PART NUMBERING



LINEAR BEARING BLOCK PART NUMBERING





A & AL PRODUCT PERFORMANCE DATA

| Model No. | Ref. Data | | Basic Load Rating | | Static Moment | | | Weight | | Shoulder Height | | Radius |
|-----------|-----------|----------|----------------------------|--------------------------|----------------|----------------|----------------|----------|---------------|-----------------|------------|----------------|
| | Lmax† | G | (C ₅₀) Dynamic | (C ₀) Static | M _r | M _p | M _y | Block | Rail | Rail (H1) | Block (H2) | Rail/Block (r) |
| | mm in | mm in | N lbf | N lbf | Nm ft·lbf | Nm ft·lbf | Nm ft·lbf | Kg lb | Kg/m lb/ft | mm in | mm in | mm in |
| RPG15HA | 4000 | 20 | 8336 | 13239 | 99 | 67 | 67 | 0.21 | 1.40 | 2 | 5 | 0.8 |
| | 157.480 | 0.787 | 1874 | 2976 | 73 | 49 | 49 | 0.46 | 0.94 | 0.079 | 0.197 | 0.031 |
| RPG20HA | 4000 | 20 | 13729 | 23536 | 235 | 143 | 143 | 0.40 | 2.60 | 2.4 | 6 | 0.8 |
| | 157.480 | 0.787 | 3086 | 5291 | 174 | 106 | 106 | 0.88 | 1.75 | 0.094 | 0.236 | 0.031 |
| RPG20HAL | 4000 | 20 | 16181 | 29420 | 294 | 233 | 233 | 0.52 | 2.60 | 2.4 | 6 | 0.8 |
| | 157.480 | 0.787 | 3638 | 6614 | 217 | 172 | 172 | 1.15 | 1.75 | 0.094 | 0.236 | 0.031 |
| RPG25HA | 4000 | 20 | 19123 | 31381 | 361 | 224 | 224 | 0.57 | 3.60 | 4.4 | 7 | 1.2 |
| | 157.480 | 0.787 | 4299 | 7055 | 266 | 165 | 165 | 1.26 | 2.42 | 0.173 | 0.276 | 0.047 |
| RPG25HAL | 4000 | 20 | 25497 | 45111 | 519 | 446 | 446 | 0.72 | 3.60 | 4.4 | 7 | 1.2 |
| | 157.480 | 0.787 | 5732 | 10141 | 383 | 329 | 329 | 1.59 | 2.42 | 0.173 | 0.276 | 0.047 |
| RPG30HA | 4000 | 20 | 27949 | 47072 | 659 | 424 | 424 | 1.10 | 5.20 | 6.4 | 8 | 1.2 |
| | 157.480 | 0.787 | 6283 | 10582 | 486 | 312 | 312 | 2.43 | 3.49 | 0.252 | 0.315 | 0.047 |
| RPG30HAL | 4000 | 20 | 35304 | 62763 | 879 | 739 | 739 | 1.40 | 5.20 | 6.4 | 8 | 1.2 |
| | 157.480 | 0.787 | 7937 | 14110 | 648 | 545 | 545 | 3.09 | 3.49 | 0.252 | 0.315 | 0.047 |
| RPG35HA | 4000 | 20 | 37756 | 60801 | 1034 | 608 | 608 | 1.60 | 7.20 | 7.1 | 9 | 1.2 |
| | 157.480 | 0.787 | 8488 | 13669 | 762 | 448 | 448 | 3.53 | 4.84 | 0.280 | 0.354 | 0.047 |
| RPG35HAL | 4000 | 20 | 47072 | 81395 | 1384 | 1077 | 1077 | 2.00 | 7.20 | 7.1 | 9 | 1.2 |
| | 157.480 | 0.787 | 10582 | 18298 | 1021 | 794 | 794 | 4.41 | 4.84 | 0.280 | 0.354 | 0.047 |
| RPG45HA | 4000 | 22.5 | 63743 | 102970 | 2317 | 1351 | 1351 | 2.70 | 12.30 | 11.5 | 11 | 1.6 |
| | 157.480 | 0.886 | 14330 | 23149 | 1709 | 997 | 997 | 5.95 | 8.27 | 0.453 | 0.433 | 0.063 |
| RPG45HAL | 4000 | 22.5 | 75511 | 127486 | 2868 | 2068 | 2068 | 3.60 | 12.30 | 11.5 | 11 | 1.6 |
| | 157.480 | 0.886 | 16976 | 28660 | 2116 | 1525 | 1525 | 7.94 | 8.27 | 0.453 | 0.433 | 0.063 |

LINEAR BEARING BLOCK ACCESSORIES

| RPG 25 SCRAPER | |
|-------------------|--|
| Model Code | Accessory |
| Model RPG | Scraper: 2 Metal Scrapers End Seal: 2 End Seals (New Bolts & Lube Fitting provided if necessary) |
| Size | Scraper/SL: 2 Metal Scrapers & 2 End Seals (New Bolts & Lube Fitting provided if necessary) Capplugs: Rail Bolt Hole Caps |
| 15 20 25 30 35 45 | |

BOLT TORQUE

| Rail Size | Bolt Size | Torque in Steel | | Torque in Aluminum | |
|-----------|-----------|-----------------|--------|--------------------|--------|
| | | Nm | ft-lbf | Nm | ft-lbf |
| RPG15 | M4x16 | 4 | 3 | 2 | 1.5 |
| RPG20 | M5x20 | 8.8 | 6.5 | 4.4 | 3.25 |
| RPG25 | M6x25 | 13.7 | 10 | 6.8 | 5 |
| RPG30 | M8x30 | 30 | 22 | 15 | 11 |
| RPG35 | M8x30 | 30 | 22 | 15 | 11 |
| RPG45 | M12x40 | 120 | 88.5 | 58 | 42.75 |

†Lmax Tolerance: @4,000 mm (+0.0/-20mm)

