

Two Types of 2-Axis Servo Wrist Rotations

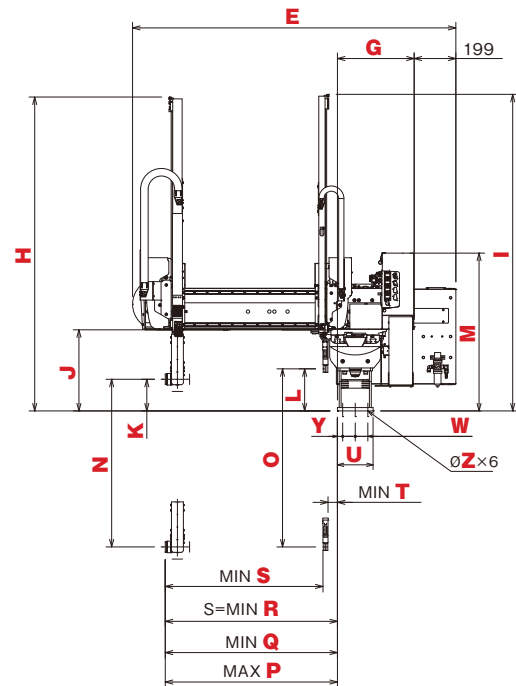
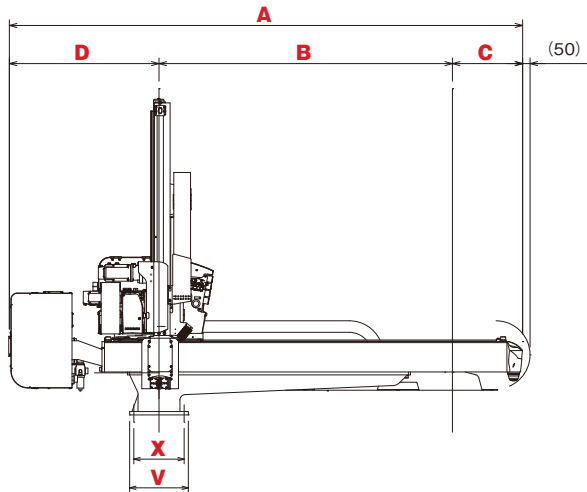
There are two types of 2-axis servo wrist model (Ry or Rz).

Select the suitable type in accordance to the production needs;

parts releasing pattern or integration with other automation machines.



HRXIII(Single Arm)



| HRXIII (Single Arm) | A | B | C | D | E | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
|---------------------|------|------|-----|-----|------|-----|------|------|-----|-----|-----|-----|------|------|-------|-------|-------|-------|----|-----|-----|----|-----|----|----|
| 100Gi-Ry | 2289 | 1200 | 375 | 714 | 1445 | 366 | 1377 | 1390 | 367 | 130 | 180 | 732 | 700 | 750 | 721.5 | 214 | 146 | 169 | 45 | 170 | 280 | 60 | 240 | 25 | 14 |
| 150Gi-Ry | 2249 | 1400 | 335 | 714 | 1543 | 366 | 1498 | 1511 | 387 | 150 | 200 | 753 | 800 | 850 | 821.5 | 214 | 146 | 169 | 45 | 170 | 280 | 60 | 240 | 25 | 14 |
| 250Gi-Ry | 2689 | 1600 | 375 | 714 | 1543 | 381 | 1798 | 1811 | 487 | 250 | 300 | 853 | 1000 | 1050 | 806.5 | 199 | 131 | 145 | 30 | 200 | 430 | 75 | 370 | 25 | 18 |
| 100Gi-Rz | 2289 | 1200 | 375 | 714 | 1445 | 366 | 1378 | 1391 | 367 | 130 | 180 | 733 | 700 | 750 | 701 | 243.5 | 175.5 | 198.5 | 45 | 170 | 280 | 60 | 240 | 25 | 14 |
| 150Gi-Rz | 2449 | 1400 | 335 | 714 | 1543 | 366 | 1498 | 1511 | 387 | 150 | 200 | 753 | 800 | 850 | 801 | 243.5 | 175.5 | 198.5 | 45 | 170 | 280 | 60 | 240 | 25 | 14 |
| 250Gi-Rz | 2689 | 1600 | 375 | 714 | 1543 | 381 | 1798 | 1811 | 487 | 250 | 300 | 853 | 1000 | 1050 | 786 | 228.5 | 160.5 | 174.5 | 30 | 200 | 430 | 75 | 370 | 25 | 18 |

| Item | 2-Axis Servo Wrist Model (Single Arm- Ry) | | | | | |
|-------------------------------|---|-----------------|------------------------|-----------------|------------------|-----------------|
| | HRXIII-100Si-Ry | HRXIII-100Gi-Ry | HRXIII-150Si-Ry | HRXIII-150Gi-Ry | HRXIII-250Si-Ry | HRXIII-250Gi-Ry |
| Mold Clamping Force (ton) | 75~125 | | 120~250 | | 180~350 | |
| Main Arm Vertical Stroke (mm) | 700[800][900] | | 800[900][1000] | | 1000[1100] | |
| Sub Arm Vertical Stroke (mm) | — | 750[850][950] | — | 850[950][1050] | — | 1050[1150] |
| Main Arm Kick Stroke (mm) | 575.5(146~721.5) | | 675.5(146~821.5) | | 675.5(131~806.5) | |
| Sub Arm Kick Stroke (mm) | — | 507.5(45~552.5) | — | 607.5(45~652.5) | — | 607.5(30~637.5) |
| Traverse Stroke (mm) | 1200[1400][1600] | | 1400[1600][1800][2000] | | 1600[1800][2000] | |
| Main Arm Home Position (mm) | 130 | 130 | 150 | 150 | 250 | 250 |
| Main Arm Maximum Reach (mm) | 721.5 | | 821.5 | | 806.5 | |
| Sub Arm Minimum Reach (mm) | — | 45 | — | 45 | — | 30 |
| Wrist Unit (°) | Wrist Flip 190 / Rotation 360 | | | | | |
| Maximum Payload (kg) | 7(including EOAT) | | | | | |
| H x W x D (mm) | 1378x2289x1345 | 1391x2289x1445 | 1498x2449x1443 | 1511x2449x1543 | 1798x2689x1443 | 1811x2689x1543 |
| Working Air Pressure (MPa) | 0.5 | | | | | |
| Air Consumption (ℓ/cyc[ANR]) | 0 | 0.02 | 0 | 0.02 | 0 | 0.02 |
| Controlling Method | Digital AC Servo Motor | | | | | |
| Power Supply (V) | 3-Phase AC200V±10% (50Hz/60Hz) | | | | | |
| Power Consumption (W) | 1800 | 2400 | 1800 | 2400 | 1800 | 2400 |

*The additional 46ℓ/min [ANR] per circuit will be consumed when using a vacuum ejector. []=Option