



Welding Series
R-WELD



Palletizing Series
R-BOLT



Universal Applications
R-GEN

- 
Palletizing
- 
Handling
- 
Stamping
- 
ARC Welding
- 
Cutting
- 
Machine loading /Unloading
- 
Picking/ Packing
- 
Assembly/ Subassembly
- 
Distribution
- 
Polishing
- 
Spraying
- 
Glazing
- 
Gluing
- 
Stamping

INDUSTRIAL ROBOTICS



Reach 1500 - 2700mm
Payload 1800 kg

Palletizing Series R-BOLT

Model No.
BR-1515,
BR-1925
BR-2250
BR-2713X



Palletizing



Handling



Stamping



Reach 1400 - 2000mm
Payload 6 - 10 kg

Welding Series R-WELD

Model No.
WR-146,
WR-206,
WR-1410



Assembly/
Subassembly



Picking/
Packing



Machine loading
/Unloading



Handling



Cutting



ARC Welding

Universal Applications R-GEN

Reach 1600 - 3100mm
Payload 1200 kg



Picking/
Packing



Assembly/
Subassembly



Distribution



Machine loading
/Unloading



Handling



Stamping



Gluing



Glazing



Spraying



Polishing



Model No.
GR-1610,
GR-S-3110,
GR-2120,
GR-1825,
GR-S-2150

INDUSTRIAL ROBOTICS

| Data Overview /Model Number | WR-146 | WR-206 | WR-1410 | GR-1610 | GRs-3110 | GR-2120 |
|-----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Number of Axis | 6 | 6 | 6 | 6 | 6 | 6 |
| Reach | 1400 mm | 2080 mm | 1450 mm | 1651 mm | 3100 mm | 2150 mm |
| Payload | 6 Kg | 6 Kg | 10 Kg | 10 Kg | 10 Kg | 20 Kg |
| Repeatability | ± 0.05 mm | ± 0.08 mm | ± 0.08 mm | ± 0.05 | ± 0.08 mm | ± 0.06 mm |
| Maximum Speed | J1 | 240° /s | 190° /s | 240° /s | 150° /s | 125° /s |
| | J2 | 240° /s | 190° /s | 240° /s | 160° /s | 125° /s |
| | J3 | 260° /s | 190° /s | 200° /s | 148° /s | 140° /s |
| | J4 | 400° /s | 400° /s | 200° /s | 300° /s | 200° /s |
| | J5 | 400° /s | 400° /s | 360° /s | 300° /s | 210° /s |
| | J6 | 700° /s | 700° /s | 600° /s | 500° /s | 290° /s |
| Range of Motion | J1 | ± 170° | ± 170° | ± 170° | ± 165° | ± 172° |
| | J2 | ± 90°/-155° | ± 100°/-157° | ± 90°/-155° | ± 75°/-125° | ± 72°/-140° |
| | J3 | ± 169°/-86° | ± 90°/-80° | ± 98°/-82° | ± 145°/-75° | ± 150°/-80° |
| | J4 | ± 155° | ± 155° | ± 170° | ± 178° | ± 360° |
| | J5 | ± 134°/-137° | ± 134°/-137° | ± 119° | ± 125° | ± 125° |
| | J6 | ± 220° | ± 220° | ± 220° | ± 720° | ± 360° |
| Allowable Moment | J4 | 10 N.m | 10 N.m | -- N.m | 22 N.m | 22 N.m |
| | J5 | 10 N.m | 10 N.m | 20.5 N.m | 22 N.m | 22 N.m |
| | J6 | 5.5 N.m | 5.5 N.m | 10 N.m | 10 N.m | 10 N.m |
| Protection Rating | IP 65 |
| Operating Condition | Temp. | 0-45 deg C |
| | Humidity | < 95% RH |
| | Vibrations | < 4.9 m/s2 |
| Base Size | 355 * 355 mm | 396 * 396 mm | 355 * 355 mm | 384 * 384 mm | 573 * 629 mm | 396 * 396 mm |
| Height | 1375 mm | 1640 mm | 1269 mm | 1407 mm | 1899 mm | 1619 mm |
| Weight | 150 Kg | 280 Kg | 160 Kg | 196 kg | 596 Kg | 246 Kg |
| Mounting Positions | Floor, Wall, Ceiling |
| Power Consumptions | 3.0 kVA | 3.8 kVA | 3.8 kVA | 2.5kVA | 4.5 kVA | 3.8 kVA |

| Data Overview /Model Number | GR-1825 | GRs-2150 | BR-1515 | BR-1925 | BR-2250 | BR-2713X |
|-----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|
| Number of Axis | 6 | 6 | 4 | 4 | 4 | 4 |
| Reach | 1830 mm | 2178 mm | 1538 mm | 1900 mm | 2220 mm | 2735 mm |
| Payload | 25 Kg | 50 kg | 15 Kg | 25 Kg | 50 Kg | 130 Kg |
| Repeatability | ± 0.06 mm | ± 0.08 mm | ± 0.06 mm | ± 0.08 | ± 0.02 | ± 0.25 |
| Maximum Speed | J1 | 170° /s | 125° /s | 150° /s | 130° /s | 125° /s |
| | J2 | 170° /s | 125° /s | 150° /s | 107° /s | 125° /s |
| | J3 | 170° /s | 140° /s | 160° /s | 135° /s | 140° /s |
| | J4 | 350° /s | 200° /s | 300° /s | 175° /s | 200° /s |
| | J5 | 230° /s | 210° /s | -- | -- | -- |
| | J6 | 230° /s | 290° /s | -- | -- | -- |
| Range of Motion | J1 | ± 170° | ± 172° | ± 165° | ± 175° | ± 178° |
| | J2 | ± 100°/-157° | ± 72°/-140° | ± 40°/-82° | ± 48°/-95° | ± 50°/-95° |
| | J3 | ± 95°/-80° | ± 175°/-80° | ± 78°/-75° | ± 50°/-75° | ± 85°/-72° |
| | J4 | ± 180° | ± 360° | ± 360° | ± 360° | ± 360° |
| | J5 | ± 125° / -125° | ± 116° | -- | -- | -- |
| | J6 | ± 720 | ± 360 | -- | -- | -- |
| Allowable Moment | J4 | 42 N.m | 185 N.m | 196 N.m | 882 N.m | 1666 N.m |
| | J5 | 42 N.m | 185 N.m | -- | -- | -- |
| | J6 | 23 N.m | 126 N.m | -- | -- | -- |
| Protection Rating | IP 65 | IP 65 |
| Operating Condition | Temp. | 0-45 deg C | 0-45 deg C | 0-45 deg C | 0-45 deg C | 0-45 deg C |
| | Humidity | < 95% RH | < 95% RH | < 95% RH | < 95% RH | < 95% RH |
| | Vibrations | < 4.9 m/s2 | < 4.9 m/s2 | < 4.9 m/s2 | < 4.9 m/s2 | < 4.9 m/s2 |
| Base Size | 396 * 396 mm | 573 * 629 mm | 384 * 384 mm | 370 * 370 mm | 573 * 573 mm | 620 * 620 mm |
| Height | 1603 mm | 1778 mm | 1421 mm | 1495 mm | 1791 mm | 2050 mm |
| Weight | 227 Kg | 610 Kg | 181 Kg | 263 Kg | 616 Kg | 1160 Kg |
| Mounting Positions | Floor, Wall, Ceiling | Floor |
| Power Consumptions | 3.25 kVA | 5 kVA | 2.5 kVA | 3 kVA | 4 kVA | 5.5 kVA |

APPLICATIONS



WELDING : Spot welding, arc welding, and laser welding. Can reach complex angles and maintain consistent weld quality.



MATERIAL HANDLING : Picking, placing, sorting, and palletizing products. Transferring parts between different workstations or loading/unloading machines



ASSEMBLY : Precise positioning and assembly of SMD components, critical assembly of windshield, glueing, door panel and dashboard assembly.



PAINTING : Ability to follow complex paths and apply consistent coatings, ensuring DPT throw-out the surface



INSPECTION and QUALITY CONTROL : Equipped with vision systems can inspect products for defects, measure dimensions, and ensure tagging of parts for traceability.



Manufactured By:
Stellaris Specialities India Ltd.
(Division: StarBlaze India)
GST No.: 06AAICS2482B1ZK

Read first letter of Batch No. for manufacturing address

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