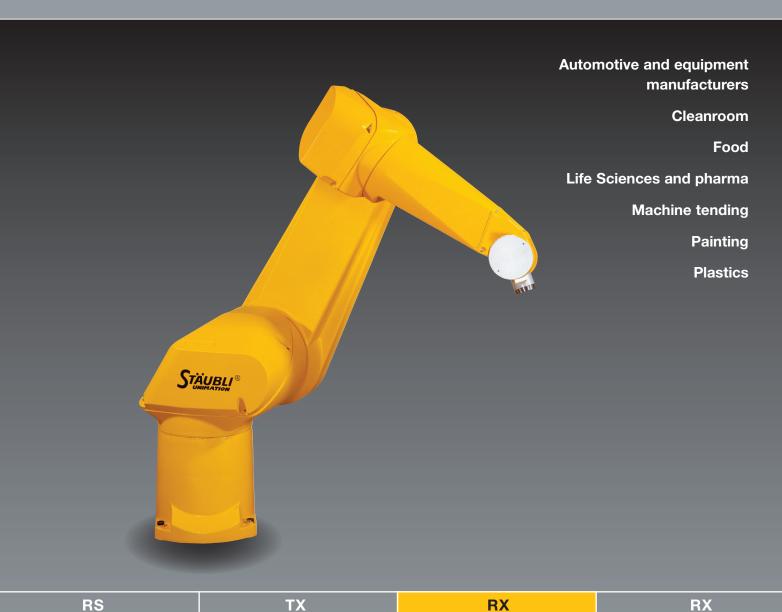
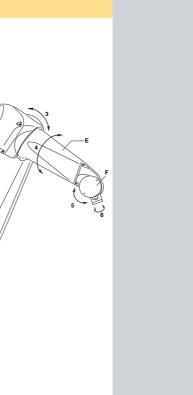


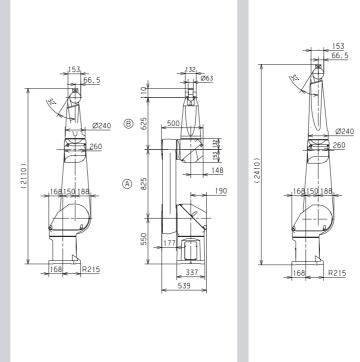


RX160 series industrial robots



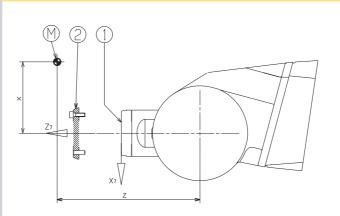
| | MODEL | DV160 | DV160 | Motion range |
|--|--|---|-----------------------|--|
| MODEL | | RX160 | RX160L | Motion range |
| Characteristics | | | | |
| Maximum load ⁽¹⁾ | | 34 kg | 28 kg | |
| Nominal load | | 20 kg | 14 kg | |
| Reach (between axis 1 and 6) | | 1710 mm | 2010 mm | D |
| Number of degrees of freedom | | 6 | 6 | |
| Repeatability - ISO 9283 | | ± 0,05 mm | ± 0,05 mm | E CALLER CA |
| Work Motion range envelope | Axis 1 (A) | ± 160° | ± 160° | c |
| | Axis 2 (B) | ± 137,5° | ± 137,5° | |
| | Axis 3 (C) | ± 150° | ± 150° | 5 |
| | Axis 4 (D) | ± 270° | ± 270° | B |
| | Axis 5 (E) | +120°/-105° | +120°/-105° | |
| | Axis 6 (F) | ± 270° ⁽²⁾ | ± 270° (2) | |
| | Maximum reach between axis 1 and 5 (R. M) | 1600 mm | 1900 mm | |
| | Minimum reach between axis 1 and 5 (R. m1) | 312 mm | 462 mm | |
| | Minimum reach between axis 2 and 5 (R. m2) | 422 mm | 463 mm | |
| | Minimum reach between axis 3 and 5 (R. b) | 625 mm | 925 mm | |
| Maximum speed | Axis 1 | 200°/s | 200°/s | |
| | Axis 2 | 200°/s | 200°/s | |
| | Axis 3 | 255°/s | 255°/s | |
| | Axis 4 | 315°/s | 315°/s | |
| | Axis 5 | 360°/s | 360°/s | |
| | Axis 6 | 870°/s | 870°/s | |
| Maximum speed at load gravity center | | 10,3 m/s | 12,3 m/s | |
| Maximum inertias | Axis 5 | 4 kg.m ² | 2,8 kg.m ² | |
| Maxi iner | Axis 6 | 1 kg.m ² | 0,7 kg.m ² | |
| Weight | | 248 kg | 250 kg | |
| Brakes | | All axis | | |
| m ons | Pneumatic | 2 solenoid valves 5/2-way (compressed air) monostable 1 direct line between the base and the forearm | | |
| necti | | 1 female 19-contact socket | | |
| Forearm connections | Electrical | (7 twisted pairs including 2 shielded, 3 power contacts) | | |
| | room standard - ISO 14644-1 | 5 | | |
| Protection class (*wrist) according to standard NF EN 60529 | | IP65 (*67) | | |
| Stäubli CS8 series controller | | CS8C | | |
| | | | | |
| | ing temperature according to standard | + 5°C to + 40°C | | |
| directive NF EN 60 204-1 Humidity according to standard directive | | 30% à 95% max. non-condensing | | |
| NF EN 60 204-1 Attachment methods | | Floor/Ceiling | | (1) Under special conditions, consult us. |
| Pressurized version ⁽³⁾ | | | | (2) Software configurable up to $\pm 18000^{\circ}$. |
| HE (Humid Environment) version) (4) | | • | • | (3) Pressurization kit : necessary for use in an |
| (r | | | | environment with high dust levels or with substantial liquid splashing. This kit |
| Market specific versions Substantial liquid splashing. This generates positive pressure in the Factory installation only and requirements. | | | | |
| CR Cleanroom - class 4 cleanliness - ISO 14644-1 | | • | • | Pressurization kit. |
| Humidity according to standard directive NF EN 60 204-1 | | • | • | (4) Version HE (Humid Environment) : designed for use in humid and oxidizing environments. The arm components are painted individually, |
| Paint - ATEX (Europe), Factory Mutual or cCSAus (USA) certifications | | • | • | providing additional arm protection against oxidation and corrosion. Factory installation only and required with Pressurization kit. |
| | | | | |

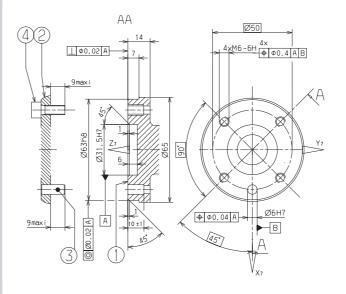




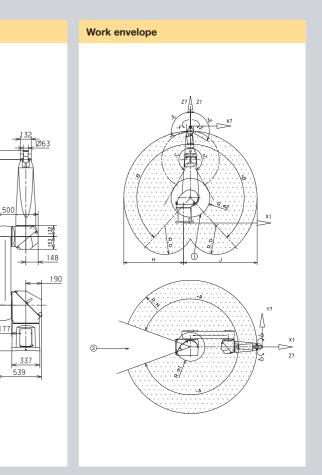
Wrist

RX160 dimensions





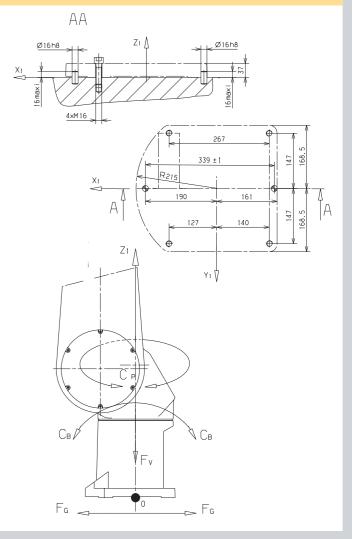
RX160L dimensions



Mounting

© 526

(A) 52





Product benefits

The RX160 robot series feature unique benefits to fit in all environments providing the best possible process quality and increased productivity.



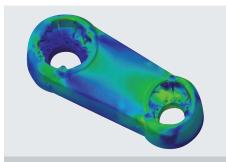
WRIST IP67 rating, submersible, high robustness, limited built-up on wrist.



STÄUBLI PATENTED REDUCTION GEAR SYSTEMS Unmatched precision, flexibility and speed, high rigidity, reduced maintenance.



FOREARM CONNECTIONS Electrical and pneumatic connections close to the tool, user lines already installed.



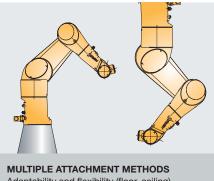
RIGID STRUCTURE Better dynamic performance.



ENCLOSED STRUCTURE Easy to clean and use in clean or hostile environments.



ARM FINISH Smooth or textured, color customization.



Adaptability and flexibility (floor, ceiling).

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