# KR 6 R700 sixx

## Technical data

| | |
|---|---|
| Maximum reach | 706.7 mm |
| Maximum payload | 6 kg |
| Pose repeatability (ISO 9283) | ± 0.03 mm |
| Number of axes | 6 |
| Mounting position | Floor |
| Footprint | 320 mm x 320 mm |
| Weight | approx. 50 kg |

## Axis data

| | |
|---|---|
| Motion range | |
| A1 | ±170 ° |
| A2 | -190 ° / 45 ° |
| A3 | -120 ° / 156 ° |
| A4 | ±185 ° |
| A5 | ±120 ° |
| A6 | ±350 ° |

## Operating conditions

| | |
|---|---|
| Ambient temperature during operation | 5 °C to 45 °C (278 K to 318 K) |

## Protection rating

| | |
|---|---|
| Protection rating (IEC 60529) | IP54 |
| Protection rating, in-line wrist (IEC 60529) | IP54 |

## Controller

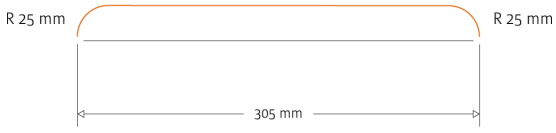
| | |
|---|---|
| Controller | KR C4 smallsize-2;<br>KR C4 compact |

## Teach pendant

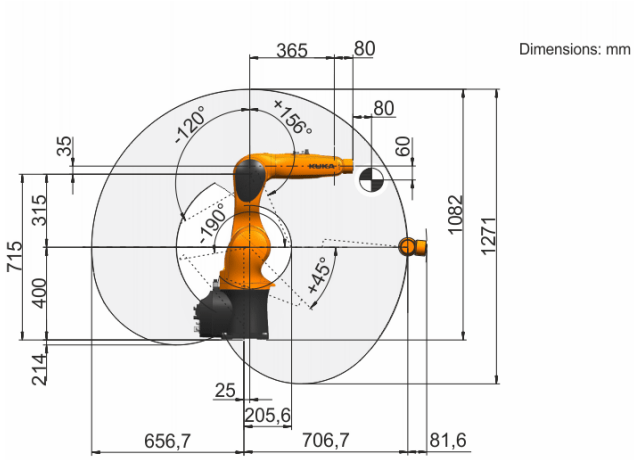
| | |
|---|---|
| Teach pendant | KUKA smartPAD |

## Cycle time

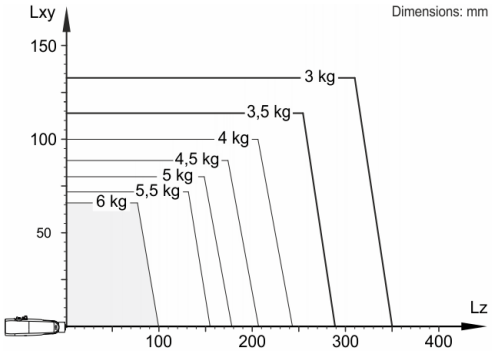
138 cycles per minute (25 mm / 305 mm / 25 mm, 1 kg)




## Workspace graphic

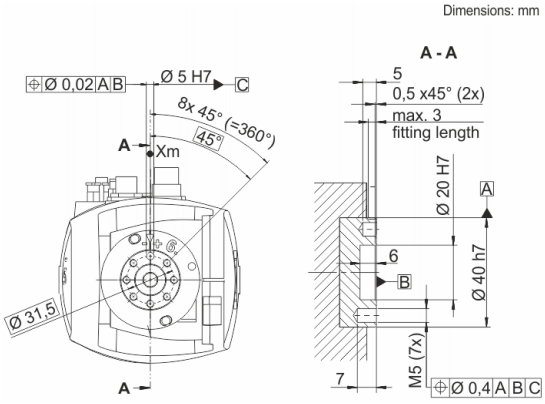



## Payload diagram




The KR 6 R700 sixx is designed for a rated payload of 3 kg in order to optimize the dynamic performance of the robot. With reduced load center distances, higher loads up to the maximum payload may be used. The specific load case must be verified using KUKA.Load. For further consultation, please contact KUKA Support.

## Mounting flange

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