

ROBOTICS

Product specification

CRB 15000

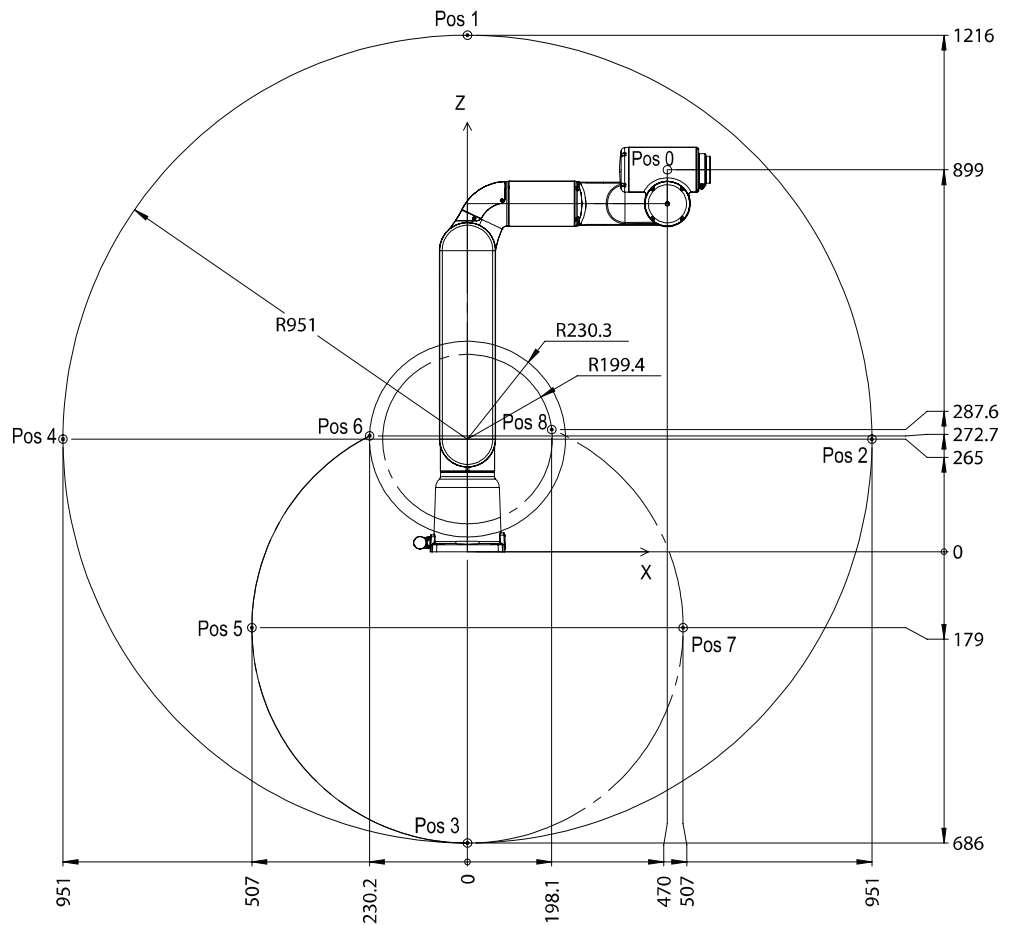


1.7 Robot motion

1.7.1 Working range

Illustration, working range CRB 15000-5/0.95

This illustration shows the unrestricted working range of the robot.



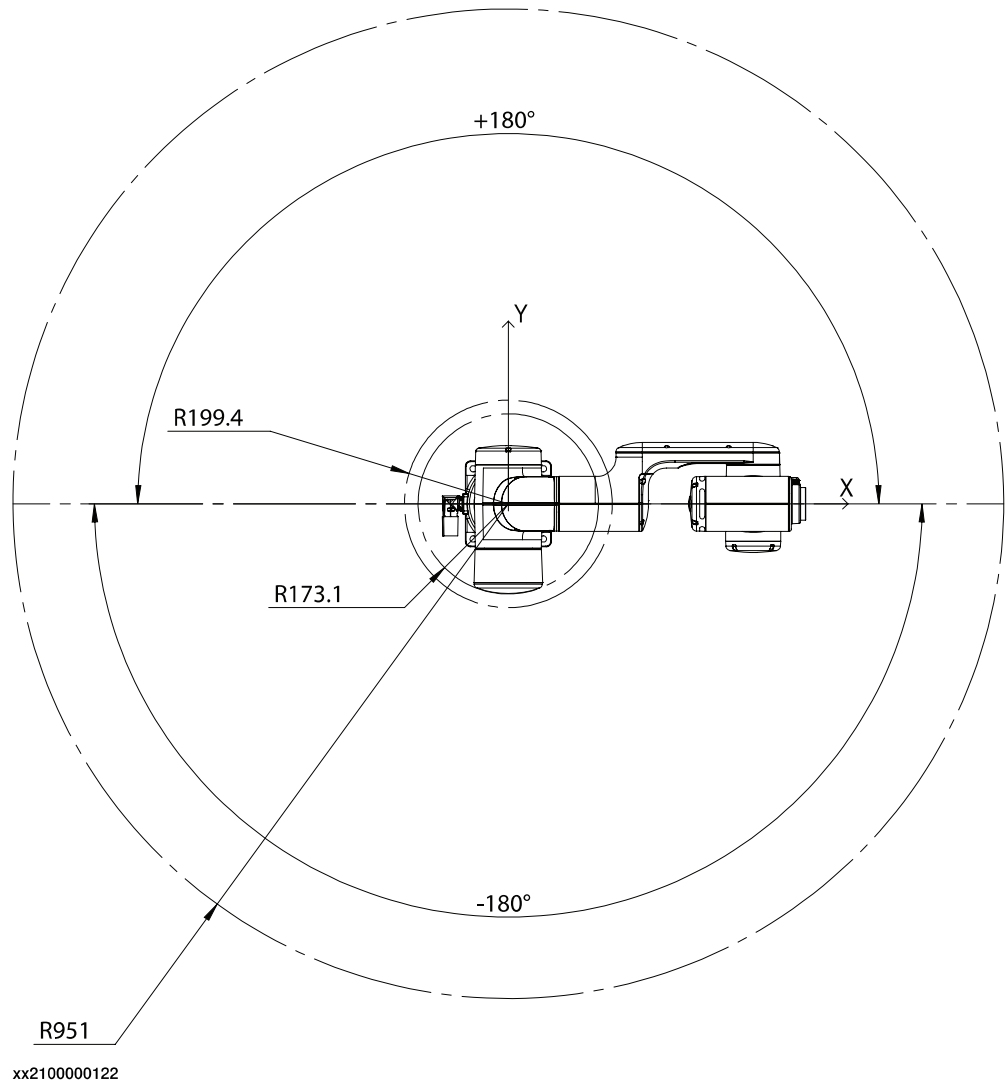
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Positions at intersection point of axes 4-5-6 and angle of axes 2 and 3

Position in the figure	Positions at wrist center (mm)		Angle (degrees)	
	X	Z	axis 2	axis 3
pos0	470	899	0°	0°
pos1	0	1216	0°	-68°
pos2	951	265	90°	-68°
pos3	0	-686	180°	-68°
pos4	-951	265	-90°	-68°
pos5	-507	-179	180°	22°
pos6	-230.2	272.7	180°	85°
pos7	507	-179	180°	-158°

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Top view of working range



Working range

Axis	Working range	Note
Axis 1	$\pm 180^\circ$	Wall mounted robot has a work area for axis 1 that depends on payload and the positions of other axes. Simulation in RobotStudio is recommended.
Axis 2	$\pm 180^\circ$	
Axis 3	$-225^\circ / +85^\circ$	
Axis 4	$\pm 180^\circ$	
Axis 5	$\pm 180^\circ$	
Axis 6	$\pm 270^\circ$	