

Table 6: Parameters of the robot shown in Fig. 3 [9].

A	B	C	D	E	F	G	H	I	J
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
1276	1620	901.5	656	245.5	851.5	420	455	400	855

Table 7: Parameters D-H for the robot KR 6 R900 sixx AGILUS.

$i$	$\alpha_i$ [rad]	$d_i$ [mm]	$a_i$ [mm]	$\theta_i$ [rad]
1	$-\pi/2$	$d_1 = I$	$a_1 = 25$	$q_1 = \pi/2$
2	0	0	$a_2 = H$	$q_2 = -\pi/2$
3	$\pi/2$	0	$a_3 = 35$	$q_3 = 0$
4	$-\pi/2$	$d_4 = -(G - 1.4)$	0	$q_4 = 0$
5	$\pi/2$	0	0	$q_5 = 0$
6	$\pi$	$d_6 = -80$	0	$q_6 = 0$

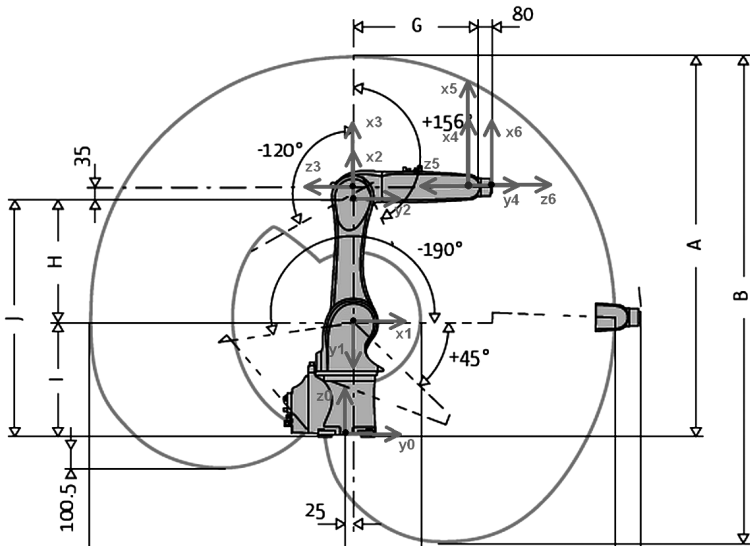


Figure 3: Dimensions of the robot KR 6 R900 sixx AGILUS [9] with marked coordinate systems.