

Superior Clamping and Gripping



POWERBALL Light Weight Arm

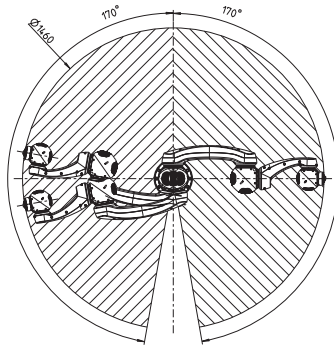
LWA 6 DOF 6 kg



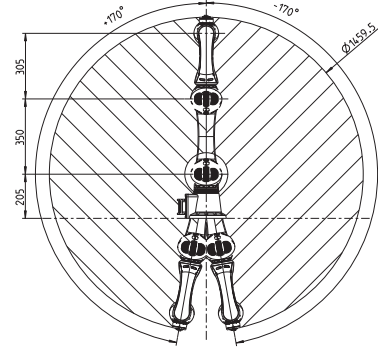
POWERBALL Light Weight Arm LWA

Part No. 0306960

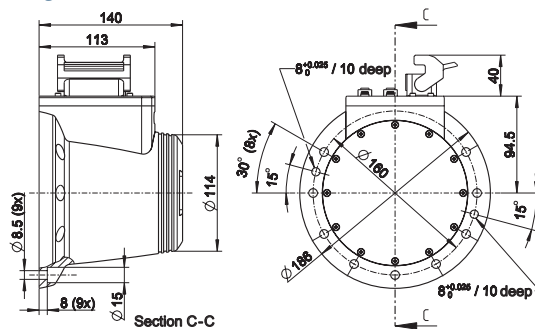
Work space
(top view)



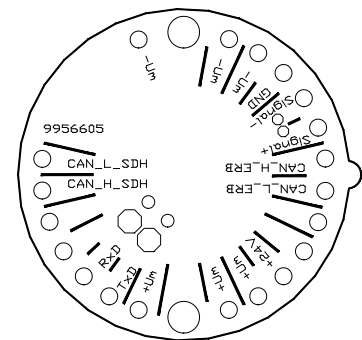
Work space
(right side view)



Robot mounting



Pin out at flange



Type	Articulated 6 DOF Light Weight Robot	
Max. payload	6 kg	
Number of axis	6	
Wrist mounting flange	Flat tool changer including several free signal connections and power	
Mounting position	any	
Repeatability	±0.06 mm	
Weight, protection	12.5 kg, IP 40 (Powerballs IP 54)	
Axes data	Speed at nominal load	Range
Axis 1	72 °/s	±170°
Axis 2	72 °/s	±110°
Axis 3	72 °/s	±155°
Axis 4	72 °/s	±170°
Axis 5	72 °/s	±140°
Axis 6	72 °/s	±170°
Drives	Brushless DC motors with permanent magnetic brakes	
Position feedback	Pseudo absolute position sensing	
Work space	See figures	
Power supply	24 V DC / avg. 3 A / max. 20A	
Single axis control via	CANopen (CiA DS402:IEC61800-7-201)	
Accessories		
Grippers:	WSG050, PG070, MEG, SDH 2	
Tool change head:	FWA	
Robot controller:	KEBA CP 242/A (available from KEBA.com) or ROS.org	