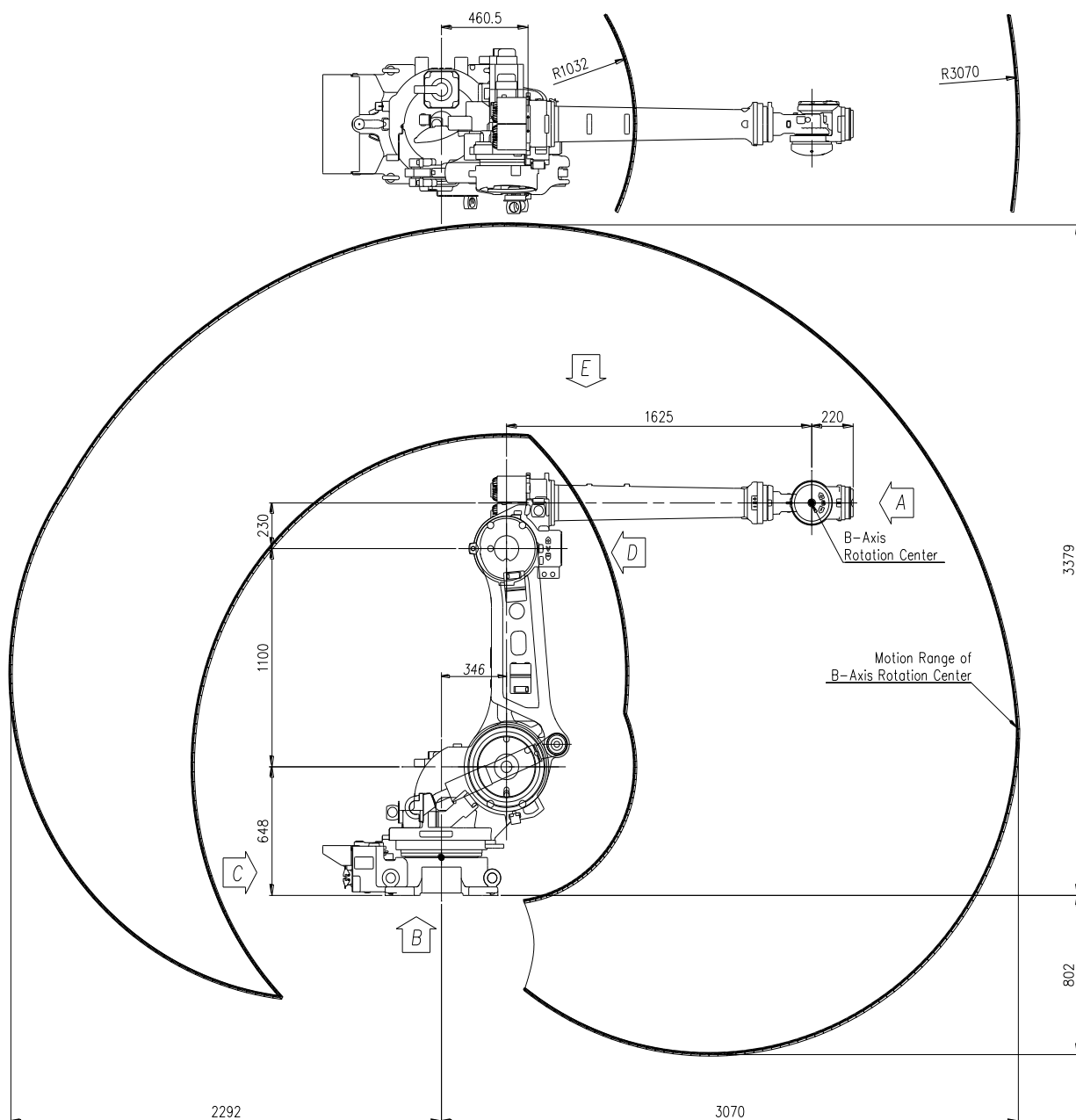
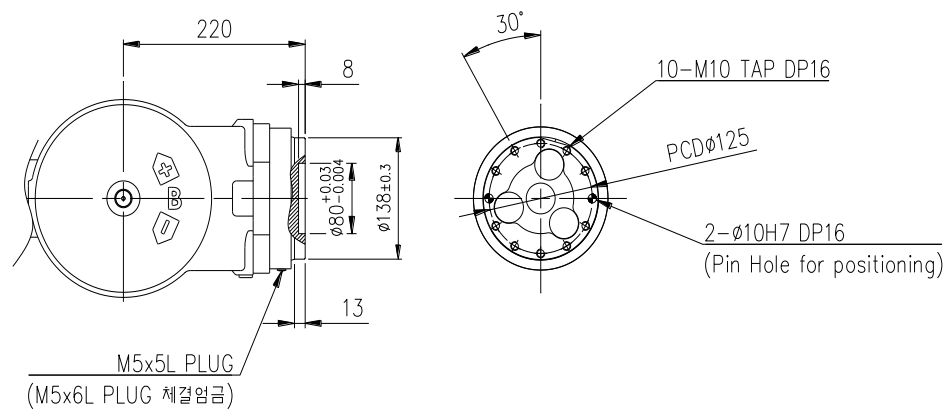


# HDR200L-

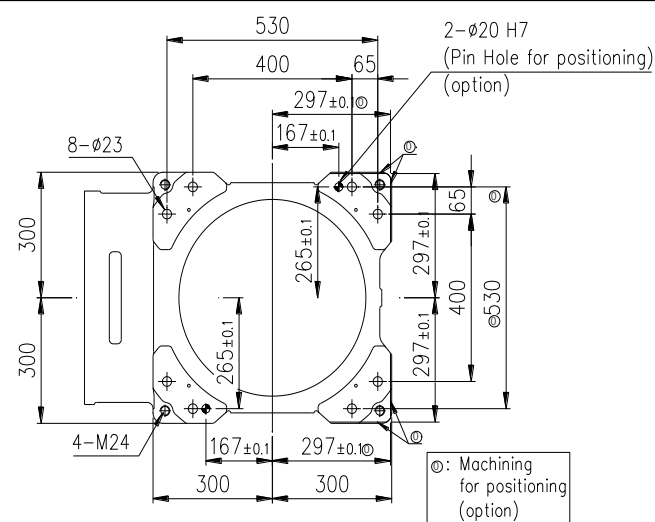
| Installation method |   | Application  |   |
|---------------------|---|--------------|---|
| Floor               | ● | Spot welding | ● |
| Ceiling             |   | Arc welding  |   |
| Wall surface        |   | Handling     | ● |
|                     |   | Assembly     | ● |
|                     |   | Sealing      |   |
|                     |   | Painting     |   |



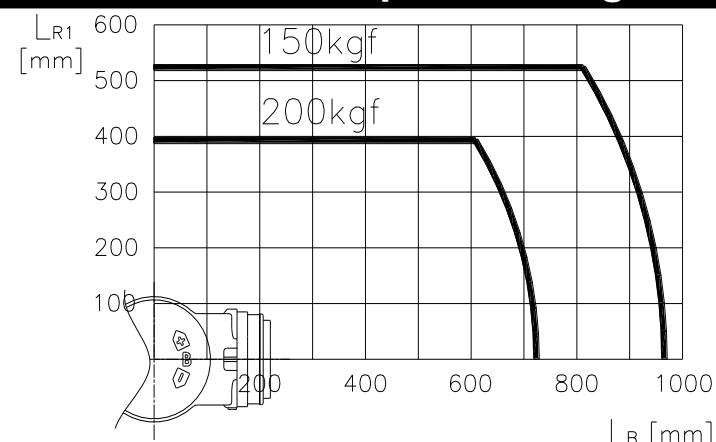
**View A: Detailed drawing of the wrist attachment part**



**View B: Dimensional drawing for the floor installation of the body**



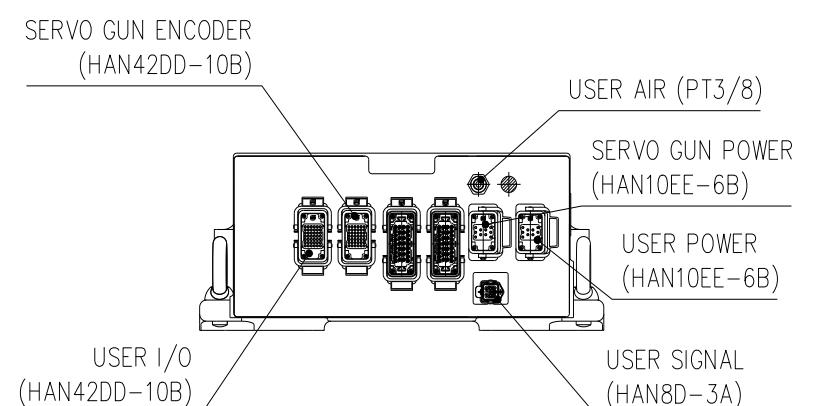
**Wrist-axis torque line diagram**



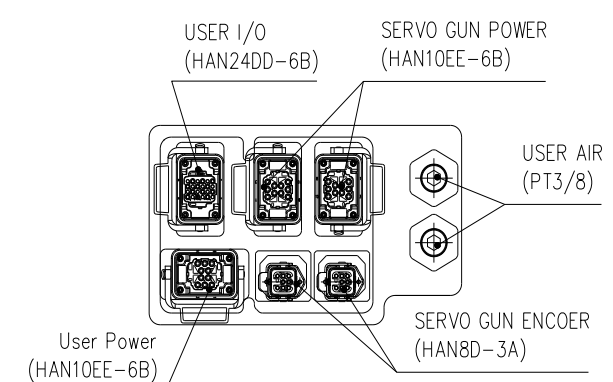
| Item                               |               | Specification           |                                                        |
|------------------------------------|---------------|-------------------------|--------------------------------------------------------|
| Robot model                        |               | HDR200L-30              |                                                        |
| Payload                            |               | 200 Kg                  |                                                        |
| Structure                          |               | Articulated             |                                                        |
| Degree of freedom                  |               | 6 axes                  |                                                        |
| Max. working envelope              | Arm           | S Swivel                | $\pm 3.14$ rad ( $\pm 180^\circ$ )                     |
|                                    |               | H Horizontal            | $+2.70 \sim 0.17$ rad ( $+155^\circ \sim +10^\circ$ )  |
|                                    |               | V Vertical              | $+3.31 \sim -1.39$ rad ( $+190^\circ \sim -80^\circ$ ) |
|                                    | Wrist         | R2 Rotation 2           | $\pm 6.28$ rad ( $\pm 360^\circ$ )                     |
|                                    |               | B Bending               | $\pm 2.23$ rad ( $\pm 128^\circ$ )                     |
|                                    |               | R1 Rotation 1           | $\pm 6.28$ rad ( $\pm 360^\circ$ )                     |
| Max. working speed                 | Arm           | S Swivel                | 1.65 rad / s ( $95^\circ$ / s)                         |
|                                    |               | H Horizontal            | 1.48 rad / s ( $85^\circ$ / s)                         |
|                                    |               | V Vertical              | 1.48 rad / s ( $85^\circ$ / s)                         |
|                                    | Wrist         | R2 Rotation 2           | 2.09 rad / s ( $120^\circ$ / s)                        |
|                                    |               | B Bending               | 2.09 rad / s ( $120^\circ$ / s)                        |
|                                    |               | R1 Rotation 1           | 3.31 rad / s ( $190^\circ$ / s)                        |
| Wrist torque                       | R2 Rotation 2 | 1,422 Nm (145 kgfm)     |                                                        |
|                                    | B Bending     | 1,422 Nm (145 kgfm)     |                                                        |
|                                    | R1 Rotation 1 | 770 Nm (78 kgfm)        |                                                        |
| Accuracy of position repeatability |               | $\pm 0.04$ mm           |                                                        |
| Ambient Temperature                |               | 0 ~ 45 °C (273 ~ 318 K) |                                                        |
| Robot's Weight                     |               | 1,223 Kg                |                                                        |

**\*) When the optional limit switch is attached, the action range of the main axis will be limited (see the manual)**

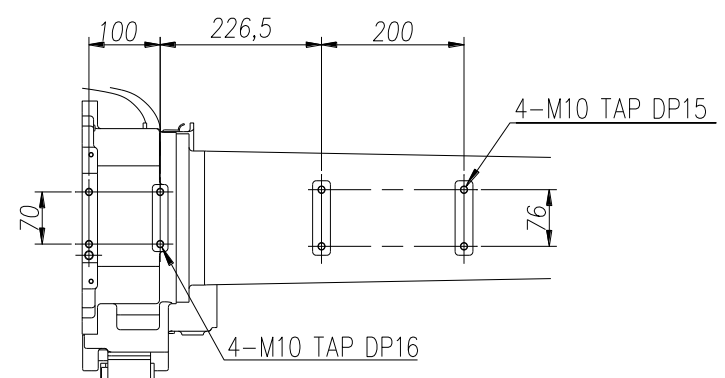
**View C: Application cable connection part**



**View D: Application cable connection part**



**View E: Details of the application ancillary part attachment**



**\*\* For product improvement, some of the ratings, specifications, dimensions, etc. are subject to changes without notice.**