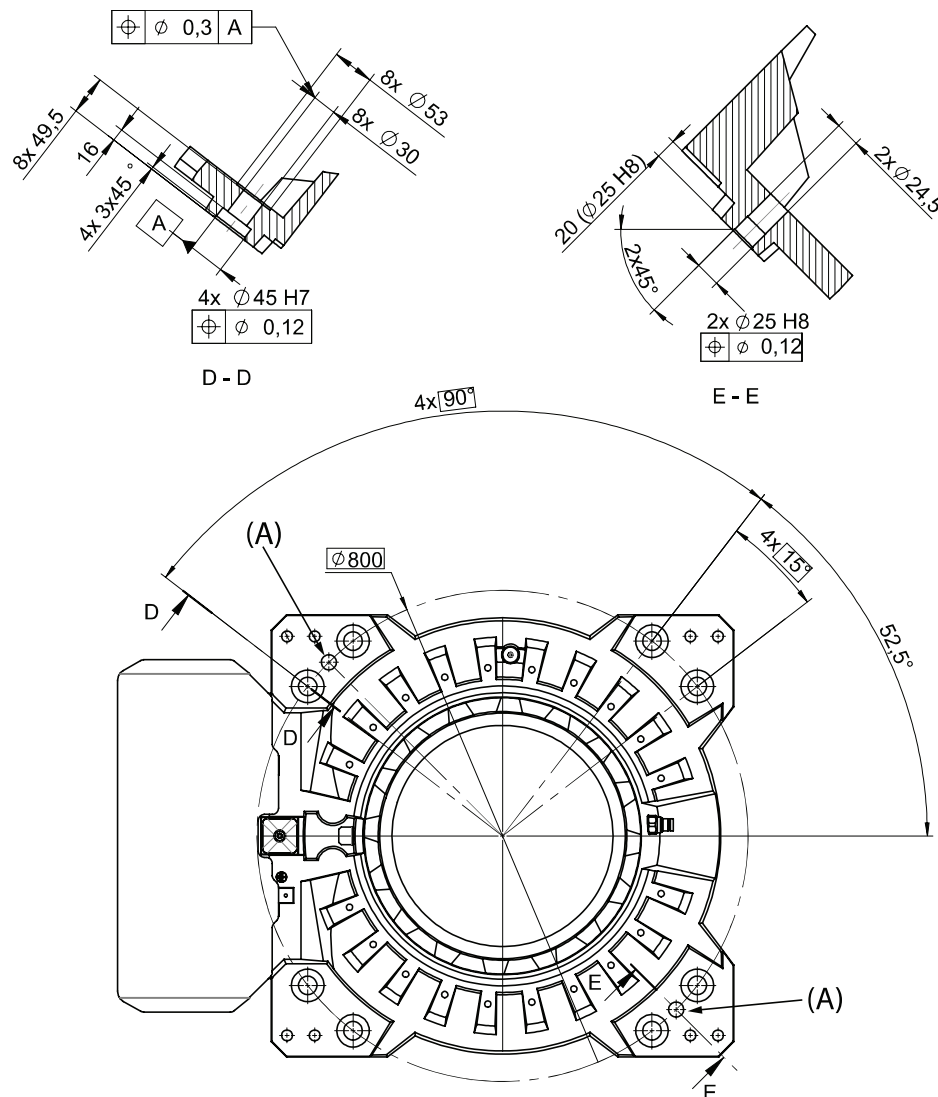


Note regarding M_{xy} and F_{xy}

The bending torque (M_{xy}) can occur in any direction in the XY-plane of the base coordinate system.

The same applies to the transverse force (F_{xy}).

Fastening holes robot base - for all variants

xx1300000243

Pos	Description
A	Holes for guide pins (x2)

**Note**

Holes for guide pins (x2) Rear hole straight slot, see [Guide pins on page 30](#).



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1 Description

1.3.3 Assembling the manipulator

Continued

Fastener quality

Suitable screws:	M24 x 100 (installation on base plate/foundation)
Quality:	8.8
Screw tightening yield point utilization factor (v) (according to VDI2230):	90% (v=0.9)
Suitable washer:	4 mm flat washer
Tightening torque:	550 Nm (screws lubricated with Molykote 1000) 600-725 Nm, typical 650 Nm (screws none or lightly lubricated)



Note

Only two guide pins shall be used. The corresponding holes in the base plate shall be circular according to figure [Base plate drawing on page 27](#).

AbsAcc performance

Regarding AbsAcc performance, the use of guide pins are mandatory.



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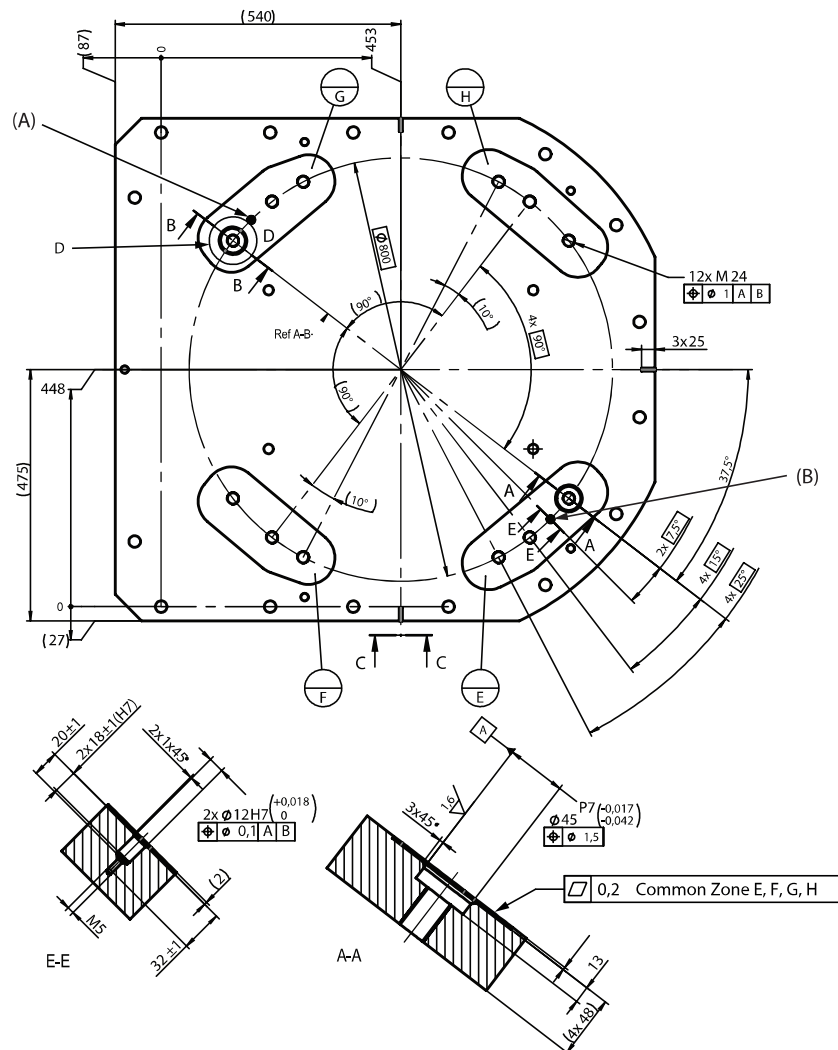
Base plate drawing



Note

IRB 6700Inv is not valid for base plate.

The following figure shows the option base plate (dimensions in mm).



xx1500000246

Pos	Description
A, B	Hole for guide pin, cylindrical, see Guide pins on page 30
E, F, G, H	Common tolerance zone (accuracy all over the base plate from one contact surface to the other)



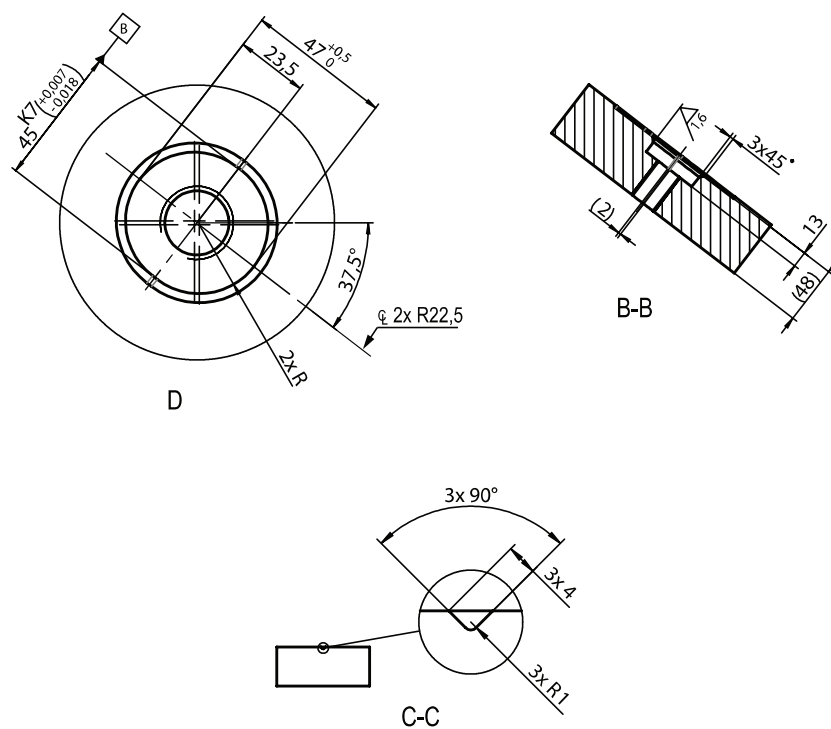
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1 Description

1.3.3 Assembling the manipulator

Continued



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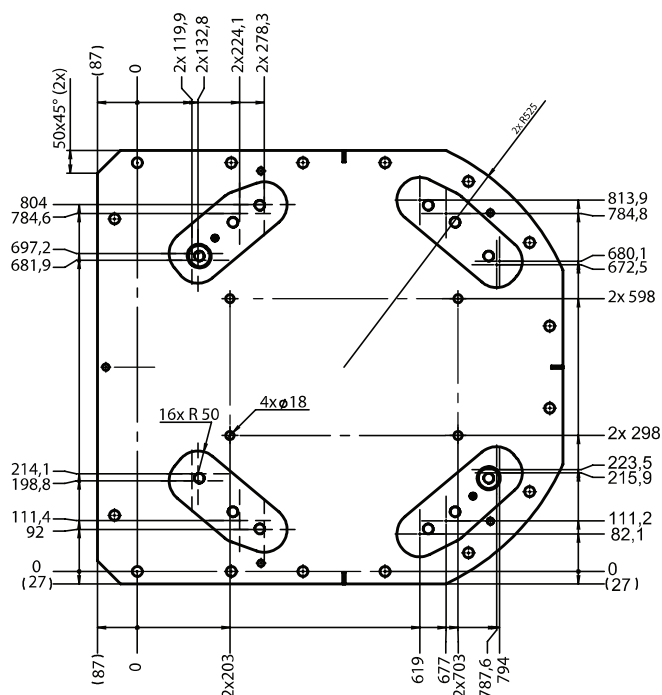
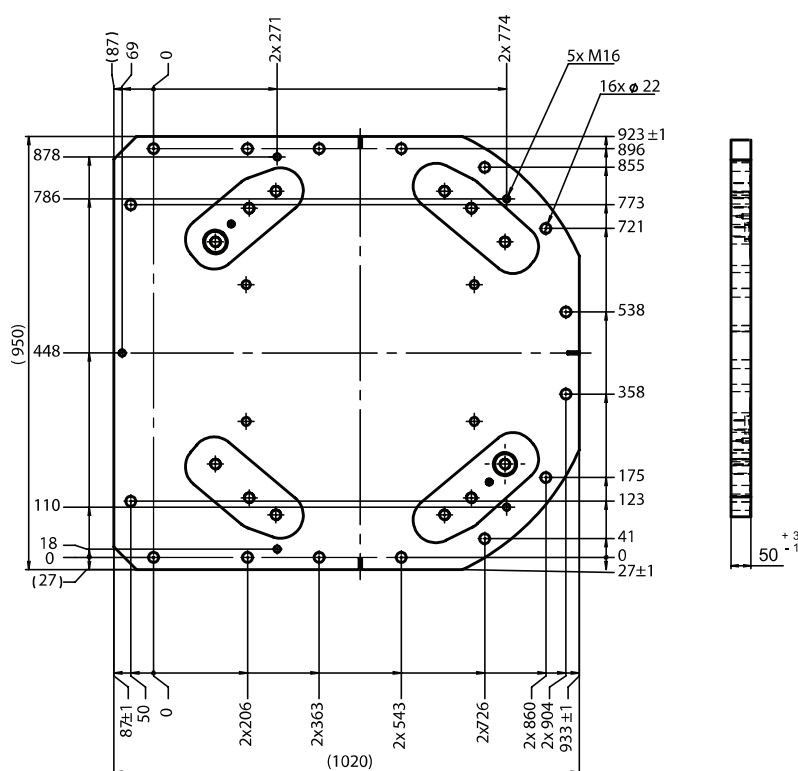
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1 Description

1.3.3 Assembling the manipulator

Continued



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A	Color: RAL 9005 Thickness: 80-100 µm Weight: 360 kg
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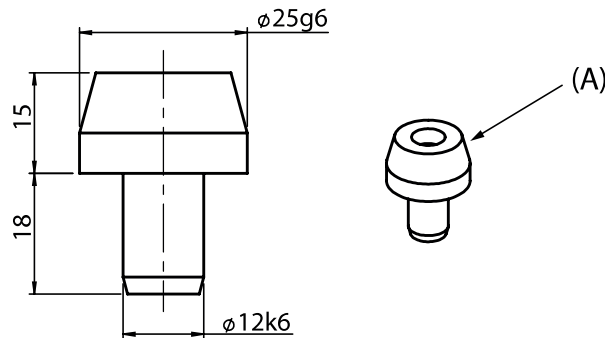
1 Description

1.3.3 Assembling the manipulator Continued

Guide pins



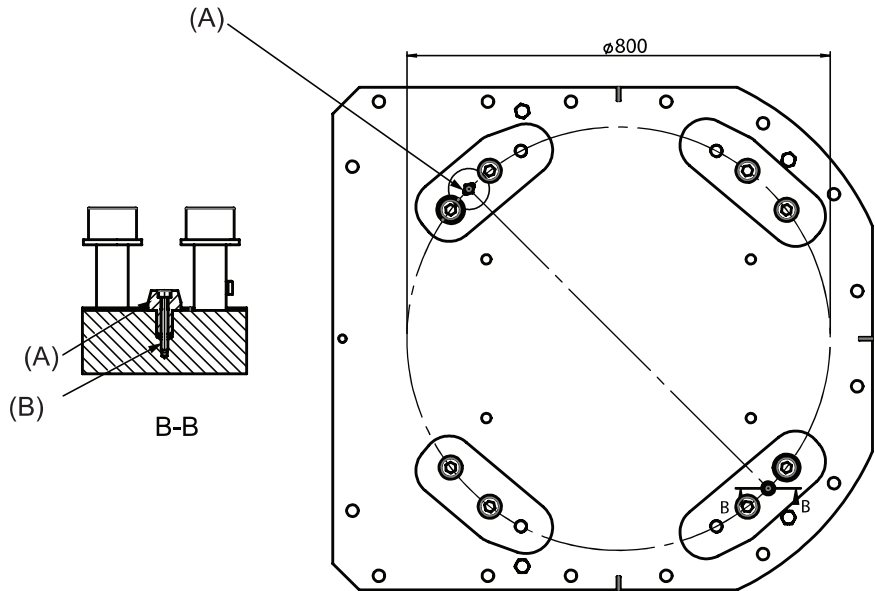
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Pos	Description
A	Cylindrical guide pin (x2)

Assembly of guide pins



Pos	Description
A	Cylindrical guide pin (x2)
B	M5 x 40. Tightening torque 6 Nm. (x2)



Note

All screws and pins are delivered in a plastic bag together with the base plate.



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