

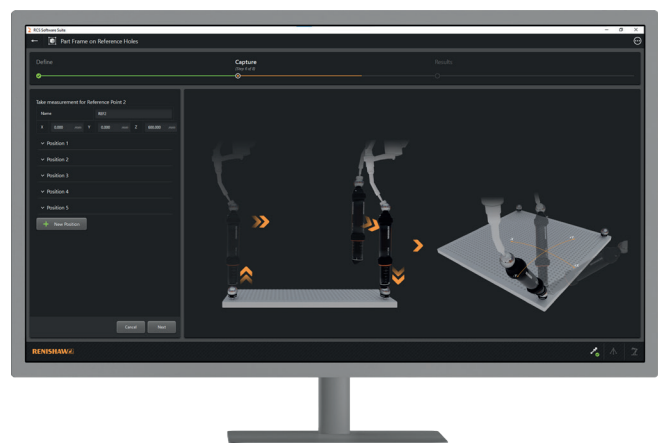


RCS part frame kit

Expand the functionality of the RCS L-90 kit to enable easy and consistent set up of part frames

The RCS part frame kit incorporates four ball stands and additional datum balls to locate part frames by triangulating the position of reference points. This is done by using the RCS L-90 ballbar and end-effector tool centre point (TCP). The ball stands can be secured into a 10 mm diameter hole, such as a drill guide, enabling flexible set-up of the part frame area.

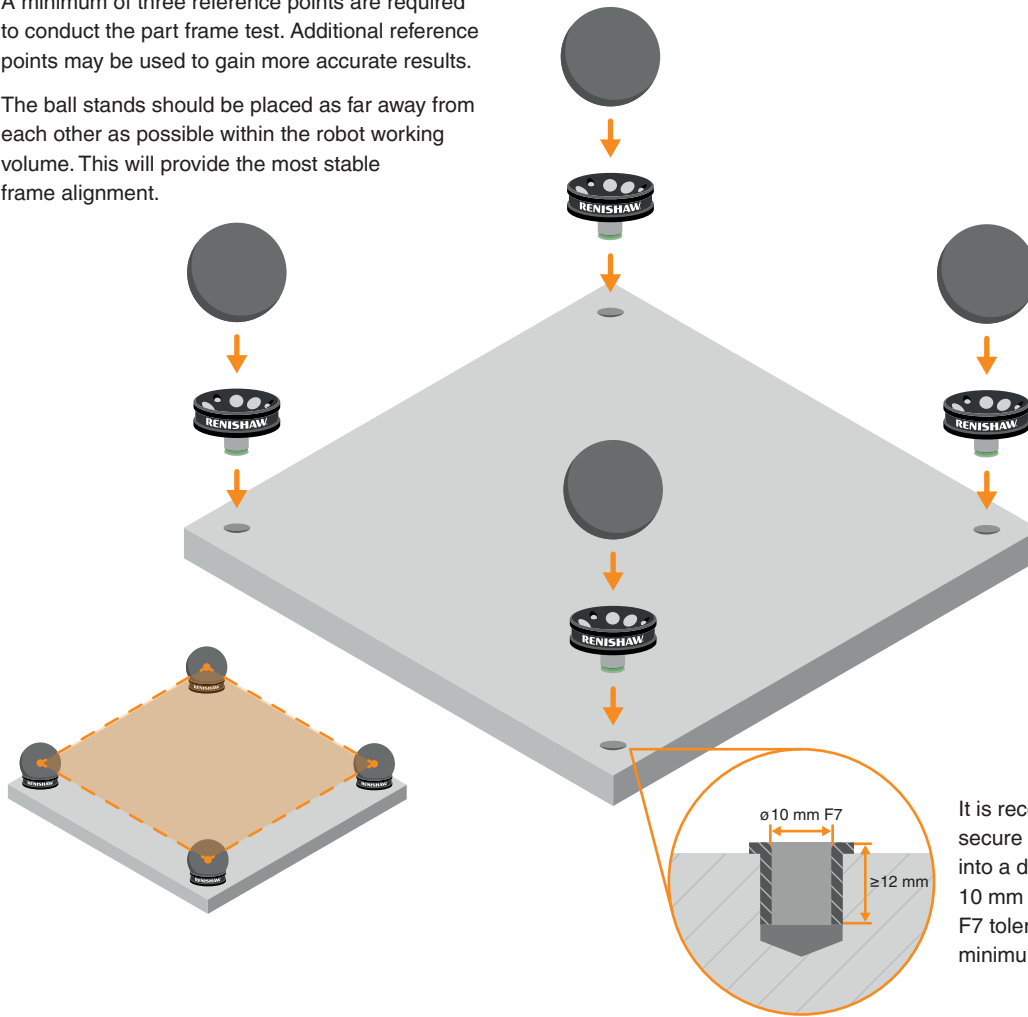
The RCS part frame kit is designed to be used as part of a featured test in the RCS Software Suite. Utilising RCS L-90, the test guides the user through a series of step-by-step instructions to set up an accurate part frame by creating a minimum of three reference points within the working volume.



Setting up a part frame

A minimum of three reference points are required to conduct the part frame test. Additional reference points may be used to gain more accurate results.

The ball stands should be placed as far away from each other as possible within the robot working volume. This will provide the most stable frame alignment.



It is recommended to secure the stands into a drill bush of 10 mm diameter with F7 tolerance, and minimum 12 mm depth.



Kit includes:

RCS D-PB35 datum balls	Three datum balls to accompany the standard datum ball supplied in the RCS L-90 kit. The balls form reference points which enable the location of part frames using the RCS L-90 and RCS Software Suite.
RCS L-BM20 part frame ball stands	Four datum ball stands designed to lock into a 10 mm drill guide. The stands feature a magnetic cup to secure the datum balls within the robot working volume.

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