

MOTOR / GEARBOX CONNECTION

Proper interface plates must be used in connecting a motor/reducer to the unit.

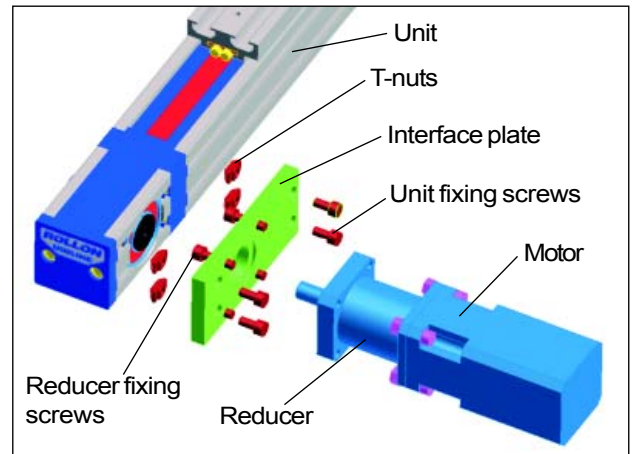
ROLLON offers these plates in two different types shown on pages B32 and B33.

Whether using **ROLLON**'s or your own plate, ensure that the mounting plate will not interfere with your stroke. Also, it is the customer's duty to ensure that plate and unit will properly support motor/gearbox weight (Call Application Engineering Department for more information).

The metric plate comes with holes that mount to any unit, but they have to be "adapted" to the motor/reducer used (from this point on we will always consider the presence of a reducer between unit and motor). The plates have a centering bore that should be used as a reference when drilling the reducer mounting holes. If the reducer flange covers the "plate-unit" fixing screws, the "plate-reducer" connection must be made by drilling through holes on the reducer and threaded holes on the plate. On the contrary, if the flange leaves enough space to tighten the "plate-unit" screws, depending on the reducer hole type (threaded or not), spot-faced holes on the plate (with the screw head housing on the "unit side") in the first case, or threaded holes in the second case, must be drilled. Once the plates are "adapted" to the reducer, it's possible to start mounting. The mounting procedures will be different depending on the reducer hole type (threaded or not). The following are the mounting instructions:

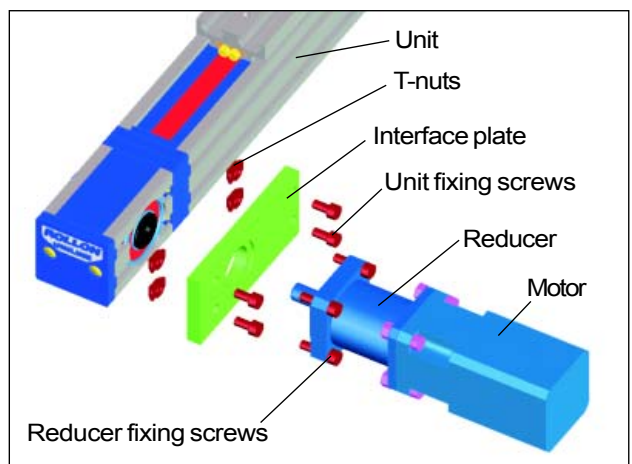
A) Reducer with threaded holes (use the drawings on pages B32 and B33 as reference):

1. Place the plate against the reducer using the centering bore as reference and fasten using T-nuts and screws.
2. Fix the reducer-plate assembly to the unit's T-slots.
3. Insert the reducer shaft into the pulley housing aligning the key with the keyseat and pushing it until the plate comes in direct contact with the unit.
4. Tighten the screws assuring the T-nuts are rotated 90° in their slots. Recommended tightening torque is 10 Nm (max.)



B) Reducer with through holes (use the drawings on pages B32 and B33 as reference):

1. Place the plate against the unit and fasten using T-nuts and screws.
2. Insert the reducer shaft into the pulley housing aligning the key with the keyseat and pushing it until the plate comes in direct contact with the unit.
3. Attach the reducer to the threaded holes of the plate. The interface plates for the **A40** units come with four fixing holes, even if only two of them are used for connection; the other two holes are for symmetry and allow the plate to be used on both sides of the unit.
4. For the "**C**" family one of the four holes, in particular the one on the upper right corner (see "standard" plate drawing on page B30), is not used for the connection to the unit and must be left without screw and T-nut.



The motor/reducer plates for the **A40** come with four mounting holes even if only two of these are used to mount to the unit. The extra holes make the plate symmetrical and allow it to be used on any side of the unit. For **C** units, only three holes will be used. The upper hole on the body will not be used to mount to the unit.