

Safety usage of ST Robots

(per CE schedule 3, 1.7.4 and amendment 3.1e)
updated 04 Sept 2011

Foreseen use of the machinery, both normal use and use which could reasonably be expected**Putting into service**

The robot should always be bolted down and not left free standing on the bench. Install the robot where it does not interfere with the workspaces of human operators.

Use

When commanding the robot, especially when programming for the first time, keep one hand poised over the stop button to prevent any accident due to incorrect part or positioning of the robot.

Always test a new program at a low speed, say 1000

Handling

ST robot arms are characterised by having no stiffness when switched off and are thus difficult to carry as they are limp when carried. Always carry the robot with at least two hands. When putting the robot down take care not to trap fingers under the base.

The R12 weighs 12.8Kg

The R17 weighs 20.5Kg

The R19 weighs 14.5Kg

The controller weighs 11Kg

Adjustment

No adjustments are necessary. However on occasion it may be necessary to adjust the chain tension of the R17. This should be done with power off according to instructions in the service manual.

Maintenance

No maintenance is necessary,

Equivalent continuous A weighted sound pressure level:

This is always less than 70dB(A), measured with Bruel & Kjaer meter 1995.