ACROW LTD
SCAFFOLDING·FORMWORK·FALSEWORK

Acrow Tilt Props

Acrow Tilt Props are uniquely designed to provide coarse and fine adjustment.

They are light, strong, durable and easy to erect.

The props are telescopic in operation and compact to a small size for easy storage.

ACROW TILT PROP RANGE

SIZE	CLOSED HEIGHT (mm)	OPEN HEIGHT (mm)	WEIGHT (kg)
4.2 - 6.7	4234	6919	58.5
6.6 - 9.8	6618	9803	99.5

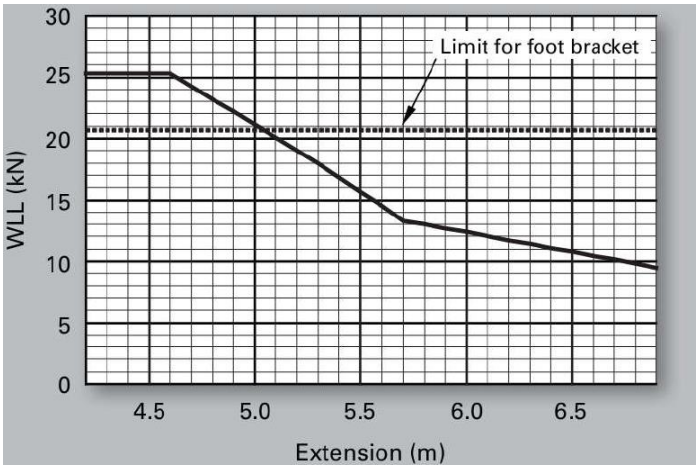
Usage Recommendations

- Minimum of two Acrow Tilt props per precast panel
- Where possible the Tilt props should be fixed to the precast panel before the panel is lifted.
- When it is necessary to attach the Tilt prop after the panel has been positioned, the panel must be held firmly and safely by the crane whilst the Tilt prop are attached to the panel and fixed to the slab.
- When the use of cast-in anchors in the slab or panel is not possible, only mechanical fixings, load controlled expansion anchors or chemical anchors that have been proof tested should be used.
- The loads imposed by the wall and its relevant wind loads must be checked against the Working Load Limits of the Acrow Tilt Prop prior to using them. In some cases, to sustain the loads, additional bracing may be required.
- **Acrow Tilt Props must not be used as vertical shores**

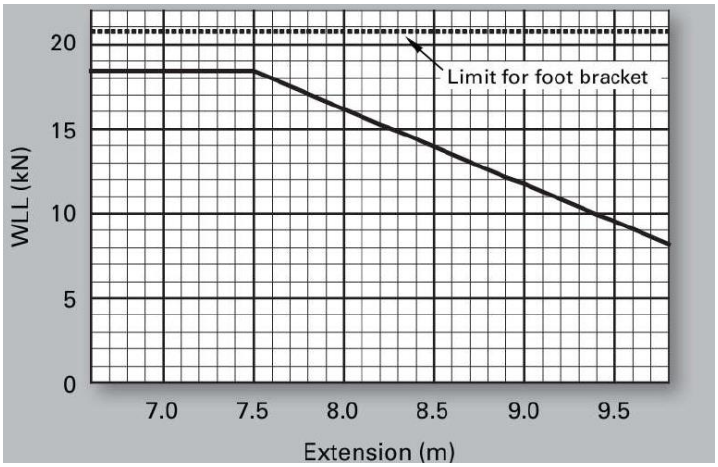
Important Note

The erection and application instruction contained in this guide are the recommended methods to be adopted when using Acrow Tilt Props. The technical instruction contained in this brochure must be accurately followed to achieve the correct function of the props. Any deviation from the recommended usage will require a separate design.

WORKING LOAD LIMIT FOR ACROW TILT PROP



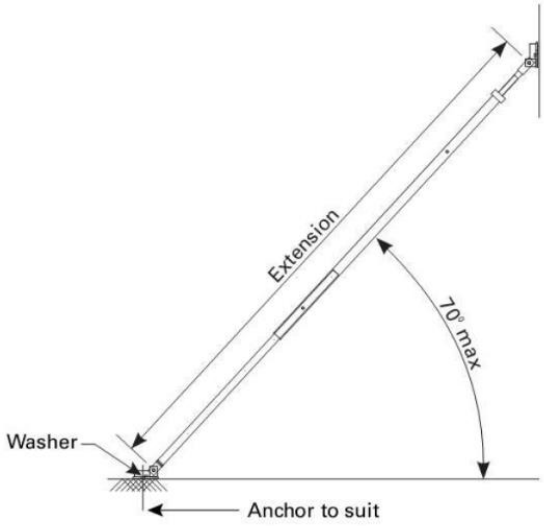
4.2m – 6.7m



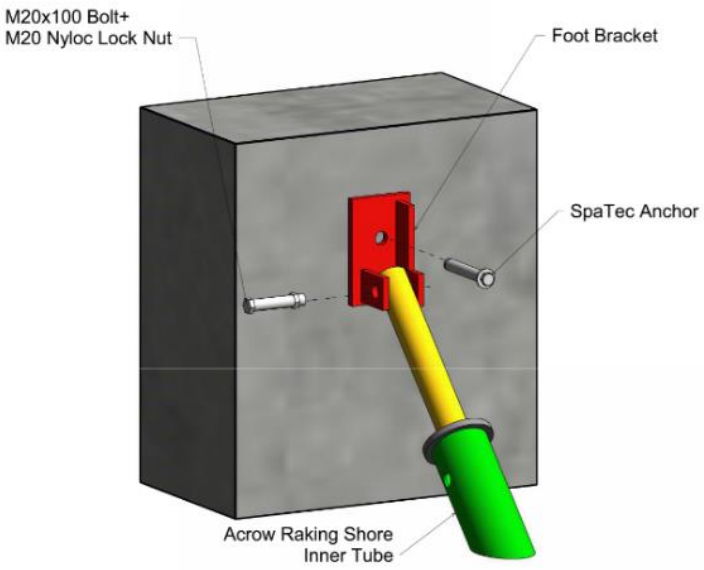
6.6m – 9.8m

Notes to Graphs

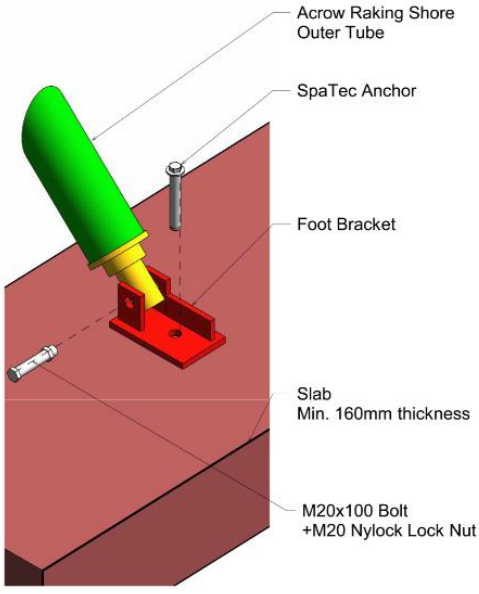
1. Maximum capacities may be limited by other components
2. WLL = Working Load Limit to AS3850
3. Limit state conversion factor = 1.42
4. Load magnification factors arising from load eccentricity to design inserts and anchors are:
   For tensile forces – 3.0
   For shear forces – 1.0
5. To resist a known load in a horizontal direction the load imposed on the inclined tilt up shore is related to the angle as indicated in the diagram.



TYPICAL CONNECTION DETAILS



PROP/PANEL Connection Detail



PROP/SLAB Connection Detail