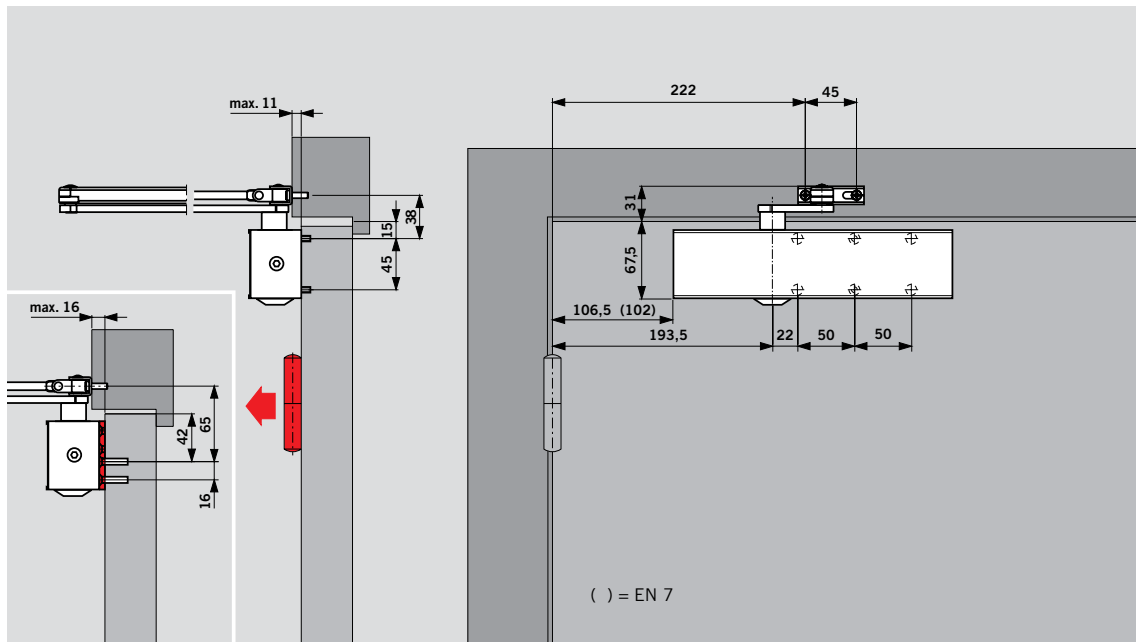
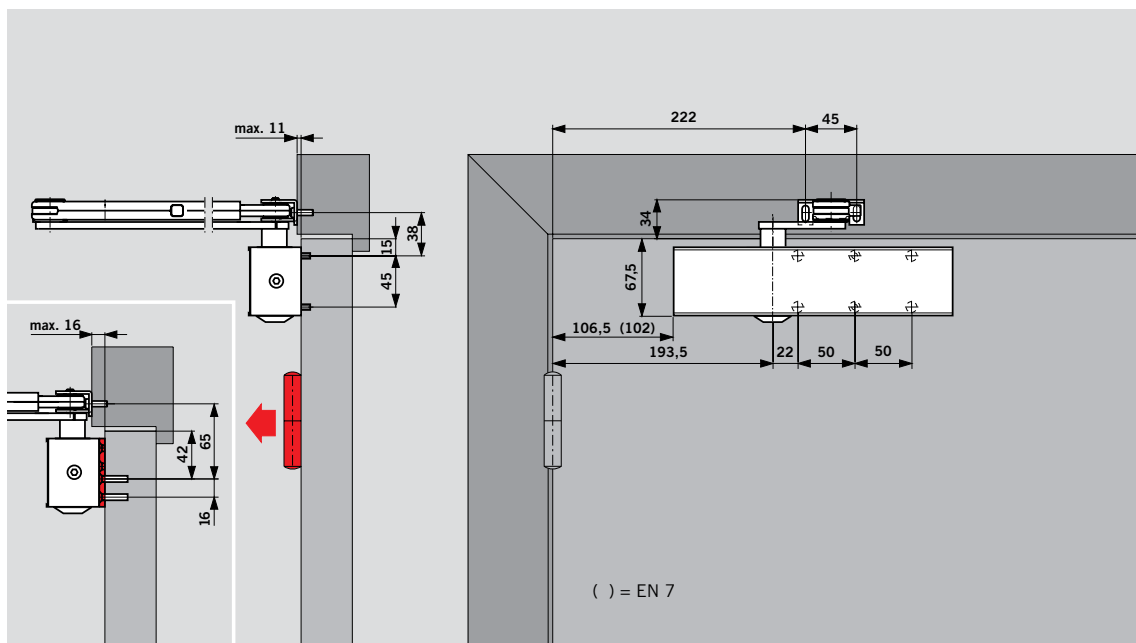


## Door leaf fixing, pull side (example shows LH (ISO 6) door; RH (ISO 5) doors mirrored arrangement)

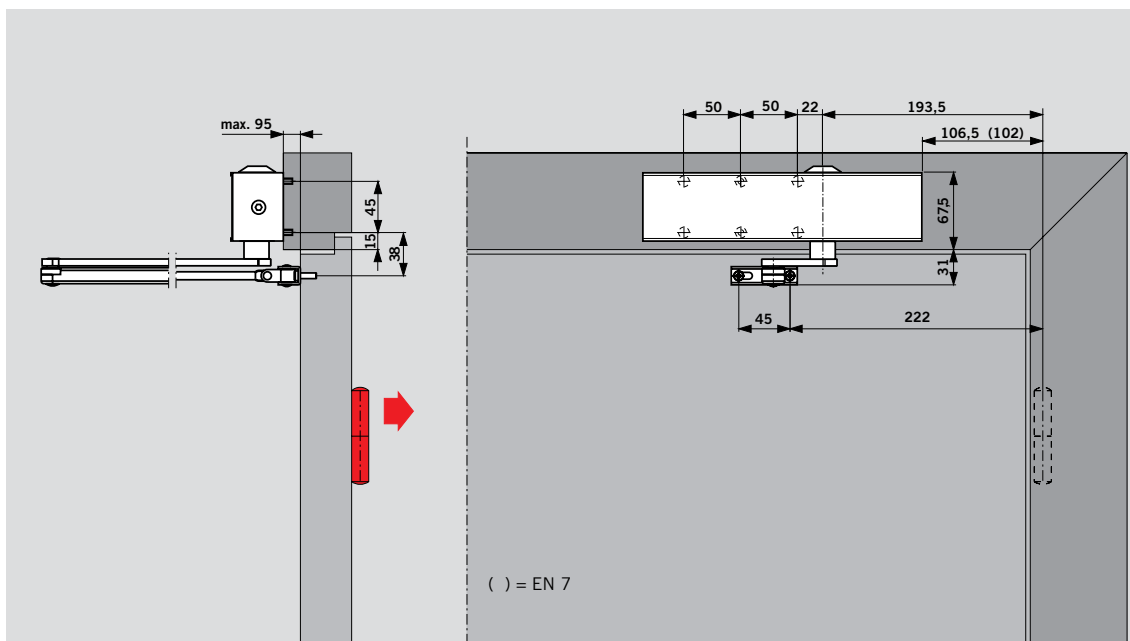


## Door leaf fixing with hold-open arm

(example shows LH (ISO 6) door; RH (ISO 5) doors mirrored arrangement)



## Transom fixing, push side (example shows LH (ISO 6) door; RH (ISO 5) doors mirrored arrangement)



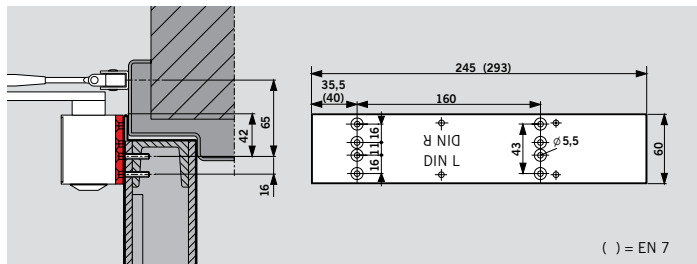
In the case of fire doors, door closers may only be transom-fixed where appropriate approval has been obtained in the form of a certificate or test report issued by an accredited testing agency.

### Transom fixing:

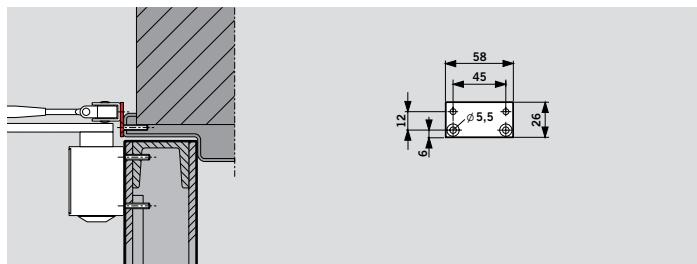
With transom-fixed closers, the backcheck only responds at between 85° and 90°, depending on the depth of reveal and type of door hinge involved; the delayed action, on the other hand, releases the door at an earlier point in its closing sweep.

**Mounting backplate TS 83**

For use with fire and smoke check doors and also as an intermediate plate when direct fixing to the door is not possible; with fixing hole pattern to EN 1154, supplement 1.

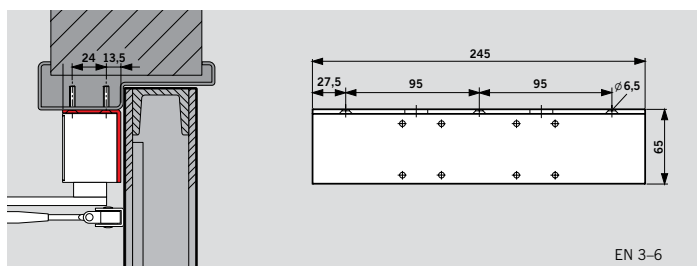
**Arm bracket adapter plate TS 73 V / TS 83**

For fixing the arm bracket to particularly narrow door frames.

**Angle bracket TS 83**

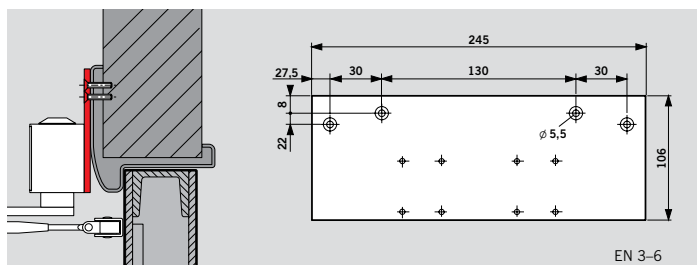
For frame/lintel fixing of the closer on the push side of doors with deep reveals.

**On fire and smoke check doors, proof of suitability required in relation to the individual door concerned.**

**Drop plate TS 73 V / TS 83**

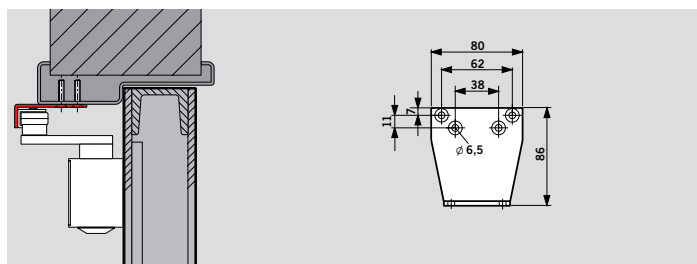
For installation on frame when direct fixing of closer is not possible.

**On fire and smoke check doors, proof of suitability required in relation to the individual door concerned.**

**Parallel arm bracket TS 73 V / TS 83**

For parallel arm installation on the push side (see fixing instructions for dimensions).

**On fire and smoke check doors, proof of suitability required in relation to the individual door concerned.**

**Spindle extension TS 73 V / TS 83**

For increasing the distance between the closer and the arm assembly in the case of doors with a high overlap; 16 mm high.

