

The image features a detailed view of the ST.A.R.90 F4 Knee external fixator, a blue and black mechanical device used for stabilizing and aligning a knee joint. It consists of a central black shaft with multiple blue rings and adjustment points. Several long, threaded pins are attached to the device, designed to be inserted into the bone. In the background, there are faint line drawings showing the device's application on a knee joint, illustrating its role in providing stability and facilitating movement.

ST.A.R.90 F4^{Knee}

Articulated knee external fixator

Active and passive
knee motion

Joint protection
from mechanical
stresses of movement

Facilitated articular
distraction when necessary

*Why not avoid the effects of prolonged
immobilization when you can?*

citieffe[®]
Essential Moves in Trauma

Surgeons must always decide on the best approach to follow according to their clinical judgement and the patient's needs. Citieffe does not dispense medical advice and recommends that surgeons be trained in the use of any particular product before using it in surgery. The information presented is intended to demonstrate the extent of Citieffe product offerings.

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Indications

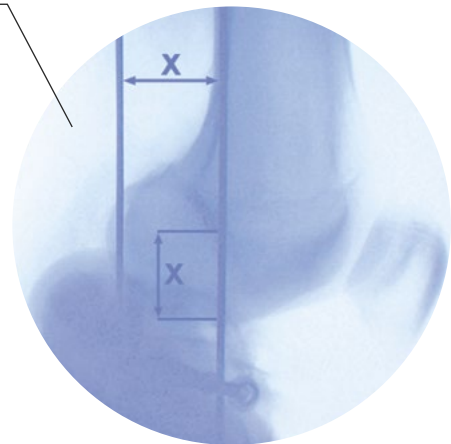
Knee dislocations and fractures, ligamentous reconstructions, removal of infected prosthesis and synthesis

- ✓ Early, stable, guided movement about the knee
- ✓ Possibility of joint distraction with telescopic body

Reproducing the normal kinematics of the knee during healing

The radiolucent articular component is aligned with the knee allowing:

- flexion-extension movements and posterior rollback
- axis of rotation changes during flexion



Clinical case

Tibial plateau fracture



Pre-op



Post-op



Follow up at fixator removal

Bibliographic references

1) Marcacci M, Zaffagnini S, Bonanzinga T, Pizzoli A, Manca M, Caiaffa E.

Surgical technique: articulated external fixator for treatment of complex knee dislocation. Clin Orthop Relat Res. 2012 Mar;470(3):869-76. doi: 10.1007/s11999-011-2062-0.

2) Zaffagnini S, Iacono F, Lo Presti M, Di Martino A, Chochlidakis S, Elkin DJ, Giordano G, Marcacci M. A new hinged dynamic distractor, for immediate mobilization after knee dislocations: Technical note. Arch Orthop Trauma Surg. 2008 Nov;128(11):1233-7.

