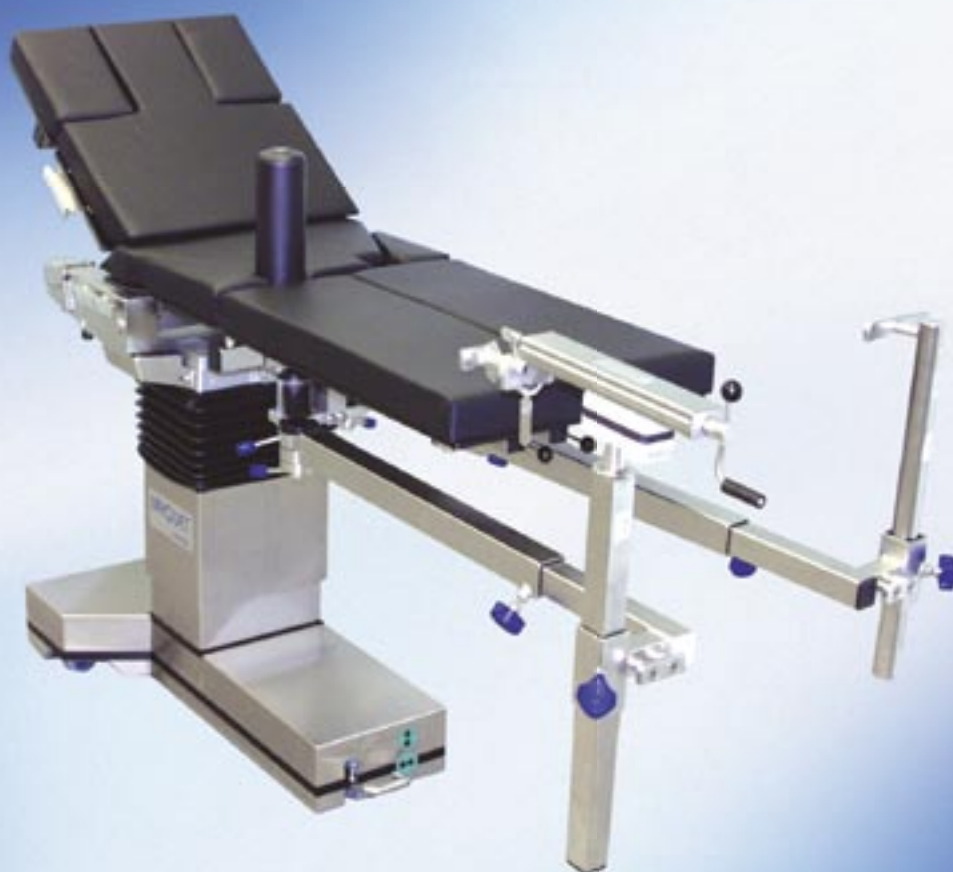
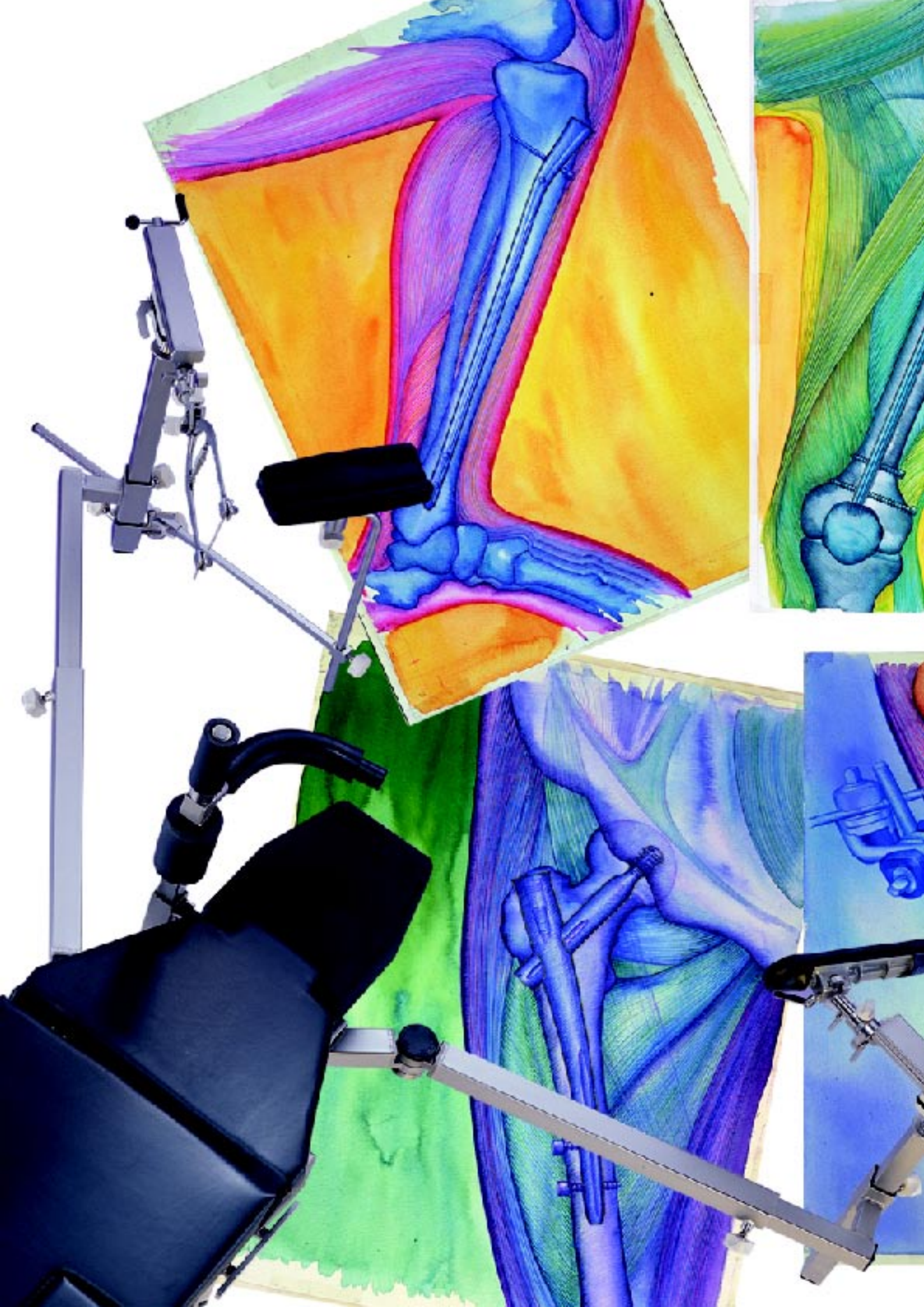


MAQUET

ORTHOSTAR II 1425
FÜR ORTHOPÄDIE UND TRAUMATOLOGIE
FOR ORTHOPAEDICS AND TRAUMA

SURGICAL WORKPLACES



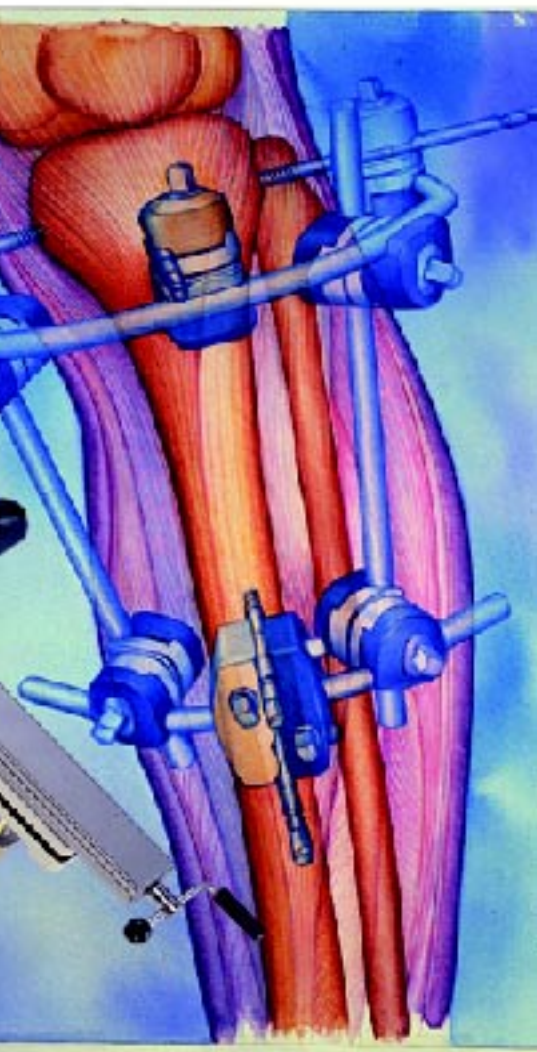




MAQUET ORTHOSTAR II

With its flexible design for treatment in trauma, the ORTHOSTAR II by MAQUET is a proven table for all orthopedic procedures.

For shoulder surgeries, the ORTHOSTAR II integrates a full-function shoulder chair with power adjustments. It also allows special accessories for procedures demanding unique patient positioning to be adapted. The ORTHOSTAR II is a versatile, special-purpose surgical table that provides the best overall value.



ORTHOSTAR II

The versatile special-purpose orthopedic table

Basic features:

The ORTHOSTAR II is an electro-hydraulic surgical table that can be operated on battery or line power. The table is positioned using a cable connected or IR hand control to adjust table height, tilt and Trendelenburg / Reverse Trendelenburg.

The integrated shoulder back plate is power operated and divided into three sections. This allows surgical and C-arm access to either shoulder without having to reposition the patient. The complete tabletop makes it possible to prep and anesthetize the patient on the operating table. A single person can easily accomplish set-up and conversion of the ORTHOSTAR II table using standard or optional accessories. The jointed traction bars beneath the tabletop can be positioned for unimpeded C-arm access for both A/P and Lateral images.

Modular accessory packages

A wide choice of specially designed accessories is available for use with the ORTHOSTAR II, depending on the surgical procedures or techniques to be followed. For Tibia / Fibula fractures, the swivel-mounted countertraction post makes it fast and easy to set up the patient position for interlocking nailing with traction exerted at a downward angle. Extensive accessory options make it possible to set up a multitude of patient positions for orthopaedic procedures, postoperative plaster casts and even specialties, such as bilateral hip interventions.





The ORTHOSTAR II is made more versatile by its back plate with motor driven interface. Accessory components for spinal surgery can be attached to this interface, allowing the surgeon to perform various procedures on the spine or neck. Routine table adjustments can be operated from outside the sterile field using infrared remote control.

Summary

The unique functional design of the ORTHOSTAR II provides critical advantages for both patients and surgical staff:

- A full functioning surgical platform
- Easy set-up by one person
- Unsurpassed C-arm access for both lower and upper body procedures
- Widest variety of table accessories
- Table height flexibility: 33" to 47"
- High-quality engineering features

The illustrations in this brochure show the operating table with optional accessories which must be ordered separately. See page 17 - 19 for a description of the 1425 standard equipment.



Fig. 1



Fig. 2



Fig. 3

Figs. 1 + 2
Hip Pinning (supine): unrestricted C-arm access in both planes.

Fig. 3
Femur treatment (supine): interlocking nailing- the well leg resting on a Goepel knee crutch.



Fig. 4



Fig. 5

Figs. 4 + 5
Femur treatment (supine): the well leg resting on a universal support angled downward.



Fig. 6



Fig. 7

Figs. 6 + 7
Femur treatment (lateral position): using rotation and stirrup clamp for skeletal traction and universal leg support for affected leg.



Fig. 8

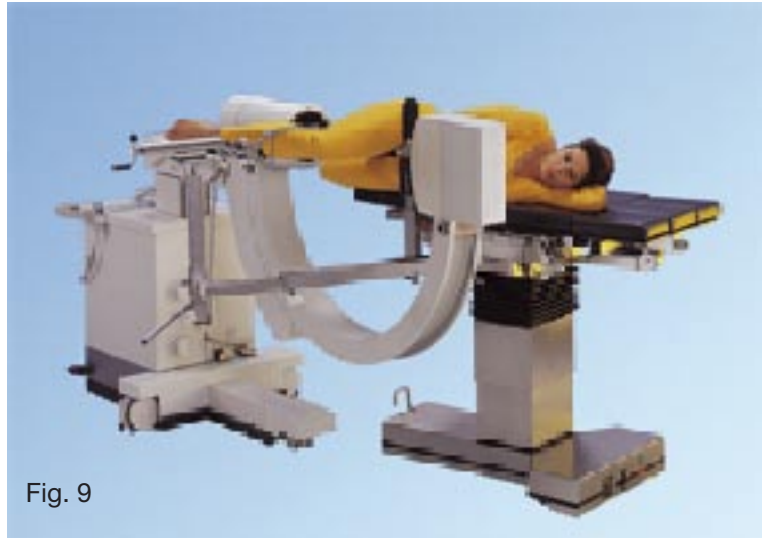


Fig. 9

Figs. 8 + 9
C-arm access for femur treatment
in lateral position



Fig. 10

Fig. 10
Femur treatment (lateral position):
using perineal support for counter-
traction and leg plate for
maximum support of the well leg.



Fig.11

Fig. 11
Full C-arm access for lateral
patient position for A/P and lateral
view.



Fig. 12



Fig. 13

Figs. 12 + 13

Lower leg treatment: The “pivoting” countertraction post for the lower leg makes it easy to set up the traction exerted at a downward angle. Using the optional guiding bar it is possible to correct the direction of traction for proximal fractures.



Fig. 14

Fig. 14

Lower leg treatment: using straight-line traction and positioning the well leg on a universal support.



Fig. 15

Fig. 15
Upper arm Treatment: extension of the humerus is effected by the patient's own weight, using the countertraction post, humerus positioning device and Weinberger hand traction device.



Fig. 16

Fig. 16
Lower arm treatment: treating the forearm under traction with elbow support device.



Fig. 17

Fig. 17
Upper arm treatment: upper arm posturing plate.

Fig. 19
Leg plaster with the gallow, using the countertraction post as the knee support.

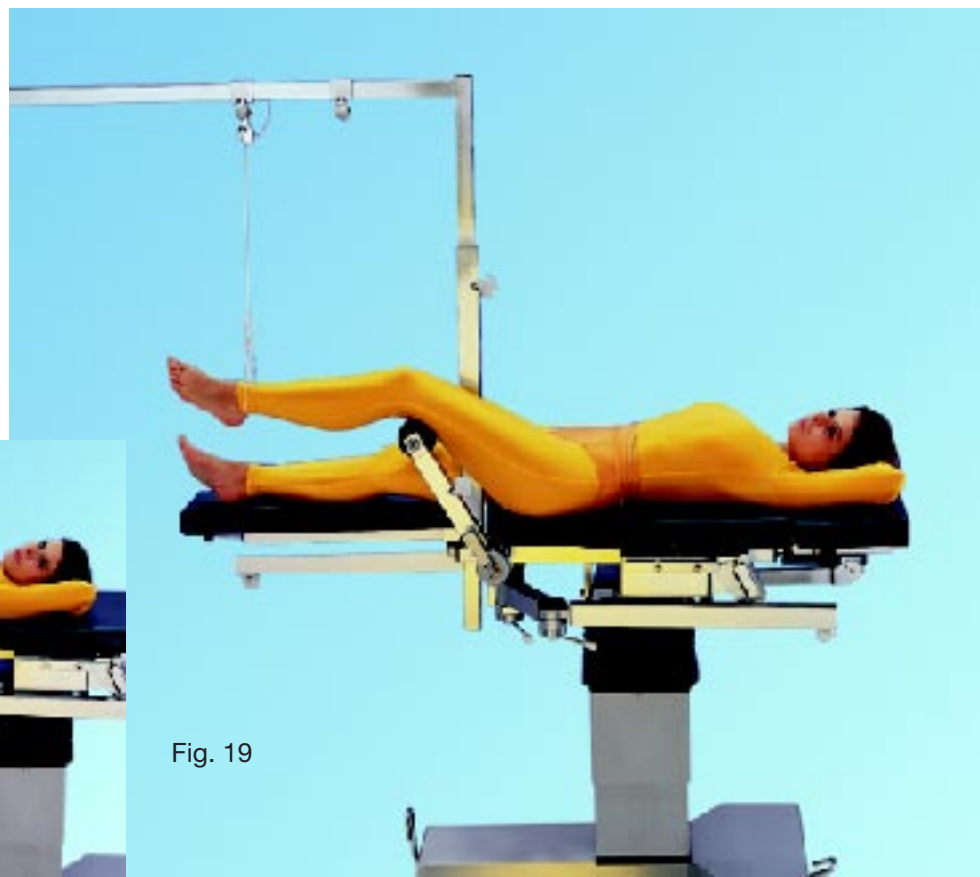


Fig. 19

Fig. 18
Postoperative pelvis plaster casting device.



Fig. 18



Fig. 20



Fig. 21



Fig. 22

Fig. 20
Shoulder treatment: seated position with optimal C-arm access.



Fig. 23

Fig. 23
Patient positioning for knee arthroscopy.

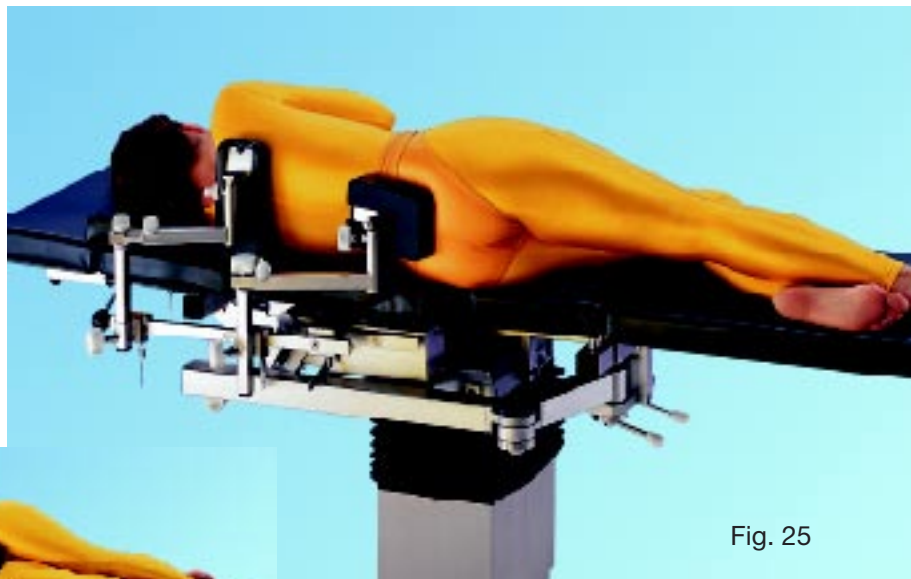


Fig. 25

Fig. 26
Using the extension plate for bilateral hip procedures, the countertraction post is centered along the longitudinal axis of the tabletop.



Fig. 24

Figs. 24 + 25
Patient positioning for total hip with the patient in lateral position.

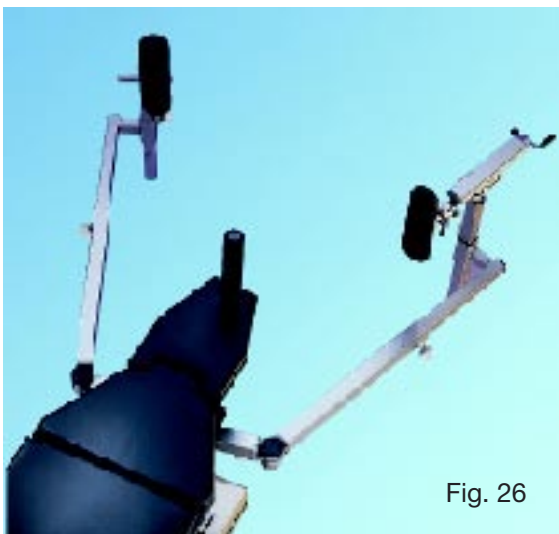


Fig. 26

Figs. 21 + 22
Shoulder treatment: patient positioning for shoulder operation with the back plate raised, slight trendelenburg, flex in knees and shoulder segment removed.



Fig. 27

Fig. 27
C-arm access for view of entire pelvis.



Fig. 28



Fig. 29

Fig. 29
Kneeling patient positioning for operations on the spinal column.

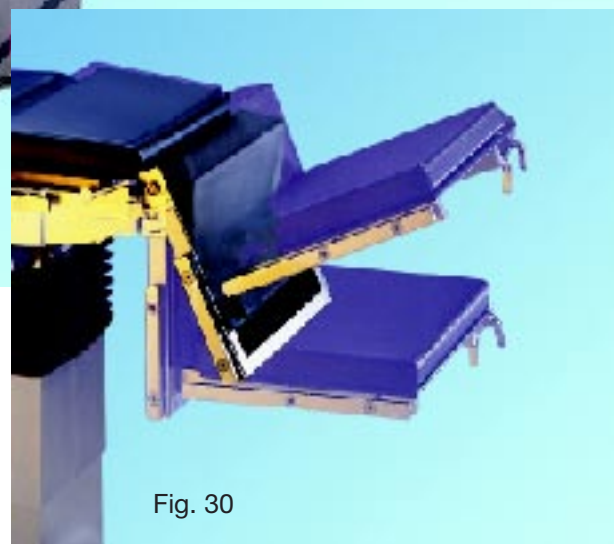


Fig. 30

Fig. 30
Intra-operative inclination controlled from outside the sterile area via the table hand control; the knee support is height adjustable via hand crank.

Fig. 28
Kneeling patient positioning for inter-vertebral disk procedures.



Fig. 31
Spinal treatment (prone position): Patient positioning for operation on the spinal column.



Fig. 32
During the operation, the patient is raised via powered back section and the upper body slid in the longitudinal direction (sternum support, arm and head positioning accessories).



Fig. 33
Operation on the cervical vertebral column: head traction using Mayfield accessories.



Fig. 34
Spinal treatment (supine position): operation of the spinal column

Fig. 31

Fig. 32

Fig. 34

MAQUET ORTHOSTAR II

Mobile operating and extension table for trauma, orthopedics and spinal surgery.

General construction features

T-base design with directional easy-rolling castors for longitudinal and lateral movement; battery or line power operated.

Base covers, column casing, tabletop frame, traction bars and basic accessories made of CrNi steel.

Table weight: approx. 616 lbs. (280 kg)

Tabletop sections:

- Back: 3-section back plate with 2 detachable shoulder segments
- Seat: seat plate with 2 detachable buttock supports
- Leg Plates: pair, detachable

The power adjustable back plate can be completely removed, allowing attachment of special-purpose accessories; two (2) traction bars beneath the seat plate with 2 separately adjustable pivot joints each for extension of the extremities with unimpeded use of the C-arm. Side rails are provided at the table top frame near the seat plate. Guide rails beneath the seat plate allowing X-ray film cassette insertion (24 x 30 cm) from either the right or the left hand side for the hip area. Detachable pads made of special foam core (SFC), 50 mm thick, radiotranslucent and electrically conductive on plastic supporting plates.

Power adjustments:

Height: 33" to 47" (840 – 1205 mm)
Lateral tilt left/right: 20°
Trendelenburg/
reverse Trendelenburg: 25° / 30°
Back plate up: 60°
(Special accessories for
spinal surgery up/down:) 40° / 50°
Return-to-Level
(reset from lateral tilt and Trendelenburg positions)
Control of the power movements from outside the sterile area via cordless IR remote control (order hand control separately, as desired).

Battery / mains operation:

Specially designed batteries provide approximately 2 weeks of operation. The battery charge level is indicated by visual and audible signals; the batteries are recharged from the line power. Power cable is approximately 10 feet (4 m) long, on a cable reel inside the base of the table.

Class II, Type B.

The enclosure leakage current meets the requirements of the standard EN 60601-1.

Included with the table are:

- 1 Traction bar, long
- 1 Traction bar, short
- 2 Elongation bars
- 1 Screw tension device
- 1 Foot plate support
- 1 Rotation-tilt clamp
- 1 Rotation and traction stirrup clamp
- 1 Countertraction post for neck of femur with roll pad
- 1 Side rail elongation
- 1000.76A0 Pad, 8-sectional

Recommended general equipment:

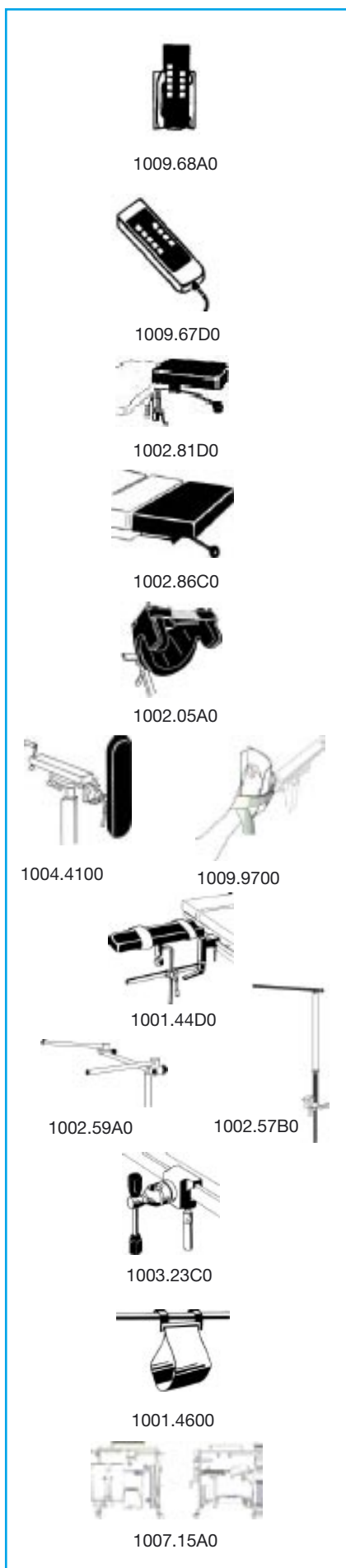
1001.44D0
Arm board, 18" (450 mm).

1002.57A0
Anaesthesia screen, without clamp.

1003.23C0
Radial setting clamp for 1002.57B0.

1001.4600
Wristlet for 1002.57B0.

1007.15A0
Accessory stand, mobile.



Required basic equipment:

1009.68A0
Infrared remote control - Cordless battery-powered hand control with film keypad and mobile charging station (to recharge the battery of the hand control).
H X W X D
8" x 5" x 5" (200 x 120 x 130 mm)
Wall mounting is possible.

alternatively

1009.67D0
Cable-connected hand-control- detachable, with film keypad; for connection to the operating table via flexible coiled cable.

1002.81D0
Head rest
8" (210 mm) wide; continuous tilt; height adjustable.

alternatively:

1002.86C0
Head rest
Width of operating table top, with cassette insertion, incl. detachable pad.

1002.05A0
Head support for shoulder operations.

1004.4100
Sole plate, order 2 pcs. For fixing the patient's feet.

alternatively

1001.9700
Foot plates, width adjustable, with Velcro strap and heel pad, pair.

Extension accessories:

For femur nailing in lateral position:

1004.85B0

Countertraction post for the femur, radiotranslucent and height adjustable, incl. roll pads, with positioning plate to support the uninjured leg, complete with integral foam pad.



1004.85B0

1004.86B0

Universal support for positioning the lower leg for transcondyle wire extension.



1004.86B0

For femur plating in lateral position:

1004.8700

Leg plate support, pair for fixing leg plates on the traction bar



1004.8700

1004.8900

Perineal support incl. fixing device with integral foam pad



1004.8900

For interlocking nailing of the femur in supine position:

1004.90B0

Countertraction post for femur incl. pad and roll pad



1004.90B0

1001.65A0

Goepel knee crutch*



1001.65A0

1003.23C0

Radial setting clamp* for 1001.65A0



1003.23C0



1003.50A0



1004.92A0



1003.5100



1001.65A0



1003.23C0



1004.93B0

For tibia and fibula nailing:

1003.50A0

Countertraction post for tibia and fibula, can be swivelled via gear rim joint, incl. roll pad and telescopic bar

alternatively:

1004.92A0

Countertraction post for tibia and fibula like 1003.50A0 but without gear rim joint

1003.5100

Guiding bar to correct the traction perpendicular to the axis of the tibia

1001.65A0

Goepel knee crutch*

1003.23C0

Radial setting clamp* for 1001.65A0

1004.93B0

Condyle fixation

* only 1 unit required per operating table / surgical technique

for intramedullary nailing of the humerus:

1004.9800

Humerus positioning device

1004.8000

Countertraction post for humerus incl. clamp

1001.4800

Weinberger hand traction device

For operations on the spinal column in the genucubital position:

1007.03A0

Positioning device for interventions at the spinal column

1007.07A0

Trolley matching the 1007.03A0

1007.13A0

Buttocks support, adjustable buttocks pad and two lateral thigh supports, matching the positioning device for interventions at the spinal column 1007.03A0

1007.05A0

Sitting bracket with lateral supports

1003.23C0

Radial setting clamp for 1007.05A0 order 2 pcs.

1000.6800

Pad for operations on the spinal column, segmented, made of special foam

1004.9800



1004.8000



1001.4800



1007.03A0



1007.07A0



1007.13A0



1007.05A0

1003.23C0



1000.6800



1007.08A0



1007.10A0



1007.11A0



1002.5800

1005.5800



1002.71A0



1002.72A0

1007.12A0



For operations on the thoracic and cervical vertebral column:

1007.08A0

Pair of bars with skid

1007.10A0

Sternum support, radiotranslucent

1007.11A0

Thorax support matching the positioning frame 1007.08A0; can be used instead of sternum support 1007.10A0

1005.5800

Supporting arm, central fixation, U-shaped, for the use of an image intensifier, CrNi steel finish

1002.5800

Adapter for 1005.5800

1002.71A0

Horseshoe-shaped head rest, one segment

1002.72A0

Horseshoe-shaped head rest, two segment

1007.12A0

Guiding roller for head-side traction

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