



POSTURAL AIDS IN SITTING POSITION

# SYST'AM® P961F / UPPER LIMBS POSITIONING WEDGE IN CHAIR

ARM POSITIONING SYSTEM MADE OF VISCOELASTIC FOAM WITH RIGIDIFICATION INSERT

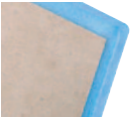
WHEELCHAIR RELATED

## MATERIALS

80 kg/m³



Visco foam



Rigidification insert



Removable and breathable cover

Foam maintenance :



(Do not immerse in water)

Cleaning of the cover :

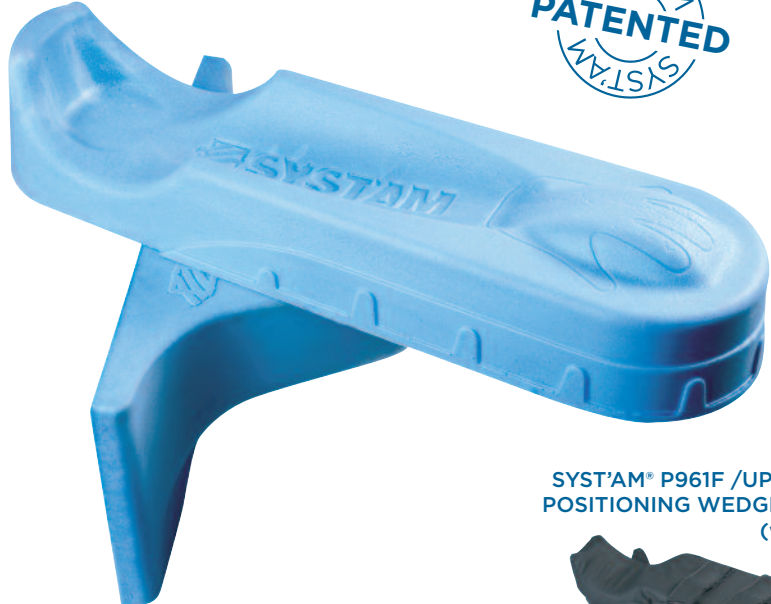


## INDICATIONS

P961F / Upper limbs positioning wedge in chair can be used, when :

- For persons with a postural deficits in sitting position: damage of the central nervous failure (vascular cerebral accidents, cranial trauma), peripheral nervous failure, orthopaedic limitations, vasomotor disorders.

SYST'AM® P961F / UPPER LIMBS POSITIONING WEDGE IN CHAIR (without cover)



SYST'AM® P961F / UPPER LIMBS POSITIONING WEDGE IN CHAIR (with cover)



DESIGNATION	ITEM CODE	SIZES W x L x H (cm x inches)
P961F / Upper limbs positioning wedge in chair	P961F1HW	55 x 18,5 x 26 cm / 21,5 x 7 x 10"



WARRANTY



03/2016



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## SYST'AM® P961F / UPPER LIMBS POSITIONING WEDGE IN CHAIR

### PRODUCT «ADVANTAGES»

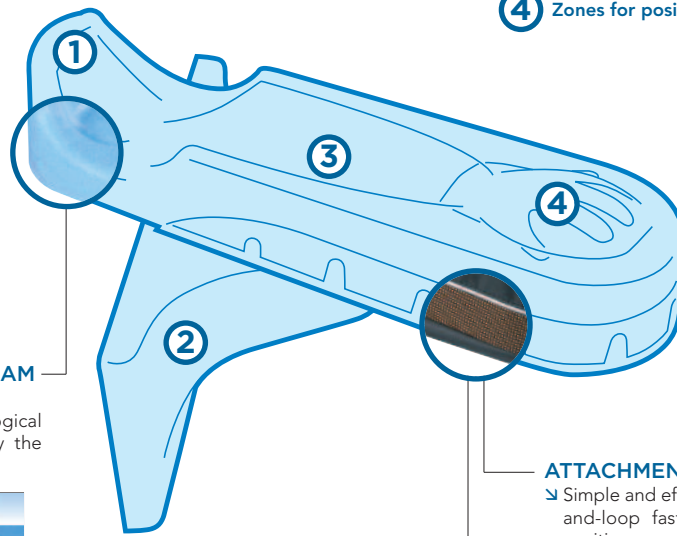
#### A NEW CONCEPT, TOTALLY INDEPENDENT FROM THE WHEELCHAIR

- ↘ Simple no-tools regulation.
- ↘ Easy transfer.
- ↘ The weight of the upper limb is transmitted directly to the thigh, not to the armrest, thus guaranteeing continued correction whatever the position and mobility of the subject.
- ↘ Can be used on all chair models (static, wheelchair, electric, car seats, toilet chairs).

- 1 Block** : maintaining the arm in the device.
- 2 Support element** : that adapts to the natural curve of the thigh.
- 3 Anatomic groove** : Anatomic groove that respects the morphological position of the arm.
- 4 Zones for positioning the palm of the hand.**

#### ANATOMIC FORM AND MEMORY FOAM

- ↘ Optimised confort for the patient.
- ↘ Curves that respect the natural morphological position of the arm and hand, particularly the natural elbow/wrist angle.

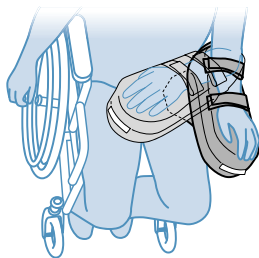


#### ATTACHMENT SYSTEM

- ↘ Simple and efficient attaching system with hook-and-loop fastener to maintain the device in position.

#### IMPERMEABLE COVER

- ↘ Suitable for incontinent patients.

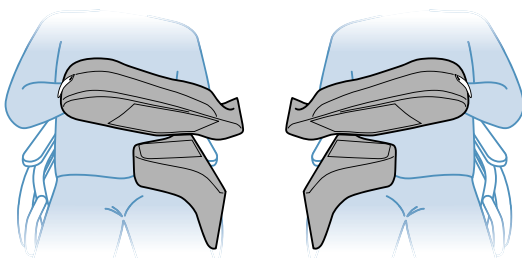


#### ADJUSTABLE SYSTEM

- ↘ System easy and fast to install.
- ↘ Adaptability to patient movements.
- ↘ Adaptation to all sizes and morphology types.

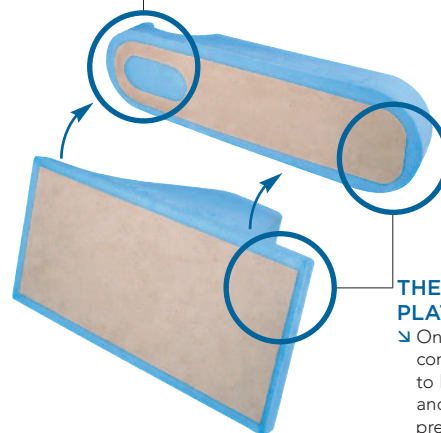
#### POLYVALENT SYSTEM

- ↘ Right/left symmetrical device.



#### THE RIGIDIFICATION PLATES

- ↘ Pressure relief for Elbow.



#### THE RIGIDIFICATION PLATES

- ↘ On the back of both components, they contribute to keep the system in place and allow to relief the pressures on the thigh.



WHEELCHAIR  
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## SYST'AM® P961F / UPPER LIMBS POSITIONING WEDGE IN CHAIR

### LEARN MORE

## ADVANTAGES OF THE SYST'AM® DEVICE FOR POSITIONING THE UPPER LIMBS IN WHEELCHAIRS

The upper limbs contribute largely to the stability of the sitting position. It is essential to provide upper limb support for subjects presenting postural deficits in the sitting position. The aetiology may vary: central nervous failure (vascular cerebral accidents, cranial trauma), peripheral nervous failure, orthopaedics or vasomotor disorders.

### 1 - POSITION OF UPPER LIMBS IN HEMIPLEGIC PATIENTS

The position of the upper limbs in hemiplegic patients is a common preoccupation in treatment facilities. There is a considerable prevalence of shoulder complications in hemiplegic subjects, particularly shoulder pain, present in 70% of cases.

The shoulder-hand syndrome associates limited shoulder articulation, vasomotor disorders and upper limb pain at rest and in manipulation. The muscular deficit leads to an incapacity to support the arm and maintain the stability of the gleno-humeral articulation (head of humerus), which is stretched by the weight of the arm, generating subluxation. This is found with incidences that vary between 18% and 80%, depending on the study. Peripheral nervous failure may also be observed as a result of this subluxation through stretching and compression of peripheral nerves.

Gleno-humeral subluxation is therefore largely due to mechanical stretching phenomena linked to the joint action of hand manipulation and the sitting position. Treatment is therefore based essentially on techniques of positioning the upper limb in the wheelchair in order to reduce the risk of subluxation and the shoulder-hand syndrome by avoiding capsular stretching. There is a general consensus that positioning techniques constitute an essential factor in prevention. The Turner-Stokes and Jackson review of the literature demonstrates the importance of systematic support for the upper limb, essentially in the limp phase.

### 2 - POSITIONING OF UPPER LIMBS IN ORTHOPAEDICS

The most frequent complication in fractures of upper limbs is the appearance of an oedema that can lead to algodystrophia (a complex pain syndrome). To combat this oedema it is essential to support the limb, in both the supine and sitting position, while favouring drainage with an inclined posture. The device for positioning the upper limbs favours drainage by inclining the forearm and relieves pain by limiting osteo-articular constraints in the upper limb.

### 3 - POSITIONING OF UPPER LIMBS IN POSTURAL INSUFFICIENCY

Severe postural insufficiency is caused by central neurological disorders that affect motor commands and motor regulation (cranial trauma, motor weakness, extrapyramidal syndromes). It can also be found in contexts of polyopathy with loss of autonomy in geriatrics. Postural balance deficits in the sitting position are then compounded by the inability to maintain the upper limbs on the armrests.

The positioning of upper limbs is an important element in balancing the trunk. It stabilises the scapular girdle in the frontal plane and thus contributes to aligning the upper segments of the spinal column.

### 4 - ADVANTAGES OF THE SYST'AM® DEVICE FOR POSITIONING UPPER LIMBS IN CHAIRS

Devices for adjusting arm posture are generally wheelchair options with limited compliance in terms of posture maintenance and regulation, and the risk of deregulation in the case of transfer.

Postural instability and changes in patient position can also lead to difficulty maintaining the arm in the optional wheelchair device and even stretching the articulation when forward sliding occurs.

The SYST'AM® device for positioning upper limbs in patients in chairs improves posture compliance thanks to an innovative concept that is totally independent of the wheelchair, thus facilitating adaptability to patient movements, easier transfer and tool-free adjustments

The weight of the upper limb is directly transmitted to the thigh instead of the armrest, thus guaranteeing continued correction, whatever the patient's position or mobility.

The SYST'AM® device for positioning upper limbs in patients in chairs is compatible with all chair models (static, wheelchair, electric, car seats, toilet chairs, etc.).

