



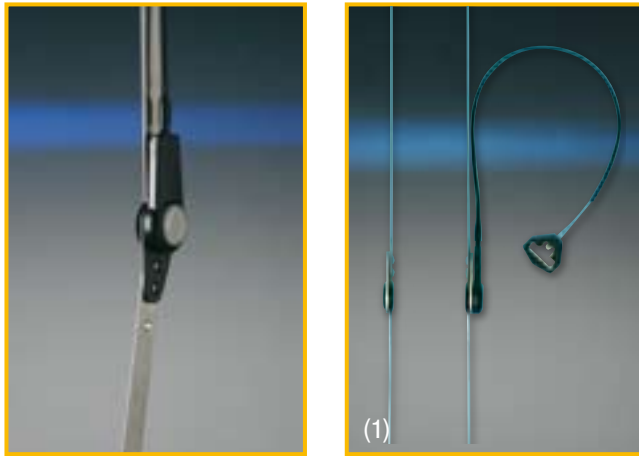
Upper extremity joint bars for
orthoses and prostheses

Upper Extremity Joint Bars

Fittings with joint bars are less common for upper extremities than for lower extremities. Nevertheless, upper extremity joint bars are indispensable functional components for some arm orthoses and prostheses.

The joint bars featured in this chapter range from flexible joint connections and arm connection bars up to the various elbow joint bars. A selection of joint locks including a ratchet stop is offered to meet the individual needs of each patient.





(1) Elbow Joint Bars **Stainless steel**

One joint bar features tiltable cable lock; 18 locking positions in 7.2° increments. Second joint bar without lock. Flat bar profile, suitable for left or right applications.

Article no.	Bar length upper/lower	Bar width/thickness	Head Ø
16X12	320/320 mm	14/2 mm	30 mm

(2) Elbow Joint Bar with Cable Lock **Stainless steel**



Joint features tiltable cable lock, 18 locking positions in 7.2° increments, flat bar profile. Suitable for left or right orthotic or prosthetic applications.

Article no.	Bar length upper/lower	Bar width/thickness	Head Ø
16X13	320/320 mm	14/2 mm	30 mm


(3) Elbow Joint Bar without Lock **Stainless steel**

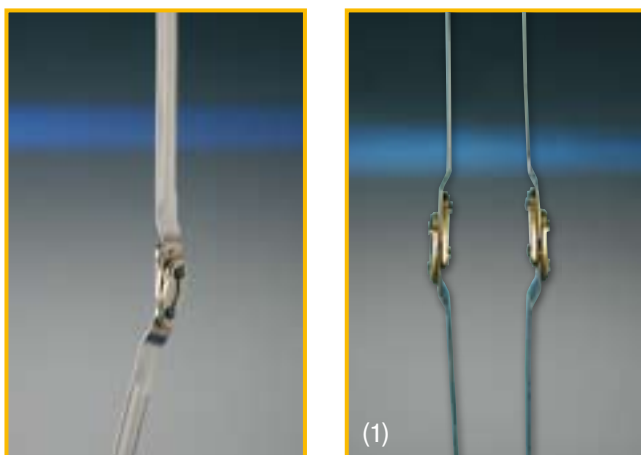


Free motion joint, flat bar profile

Article no.	Bar length upper/lower	Bar width/thickness	Head Ø
16X14	320/320 mm	14/2 mm	30 mm

Service Parts and Accessories for 16X12, 16X13 and 16X14

(4)		(4) 16Y27	Joint Piece with Cable Lock Features joint plate and oval head screws
(5)		(5) 16Y31	Joint Piece without Lock Features joint plate and oval head screw
(6)		(6) 16Y26	Pull Cable Includes screw connection
(7)		(7) 21Y79	Webbing Plate with closure
(8)		(8) 16Y32	Cover, plastic
(9)		(9) 501S59	Truss Head Screw
(10)		(10) 16Y29	Bar, stainless steel For use as upper or lower bar, either side
(11)		(11) 16Y30	Modular Connection Piece, stainless steel For applying 16Y27 Joint Piece with Cable Lock for modular arm prosthesis



(1) Polycentric Elbow Joint Bars **Stainless steel**

Free motion joints, concave half-round bar profile

Article no.	Bar length upper/lower	Bar width/thickness
16U4	270/270 mm	14/2 mm

Service Parts for 16U4



(2)

(2) 16Y5	Joint Bolt	Hardened steel
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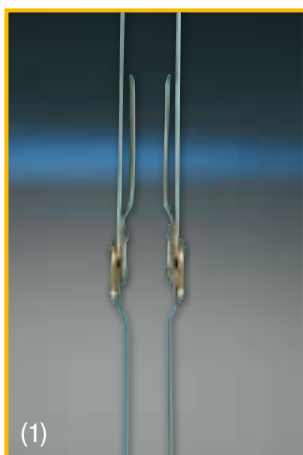
(3)

(3) 16Y9	Joint plate	Stainless steel
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(4)

(4) 16Y6	Lock Spring	Stainless steel
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(1) Polycentric Elbow Joint Bars **Stainless steel**

Free motion joints with step-up, concave half-round bar profile

Article no.	Bar length upper/lower	Length of the step-up bar	Bar width/thickness
16U5	270/270 mm	105 mm	14/2 mm

Service Parts for 16U5



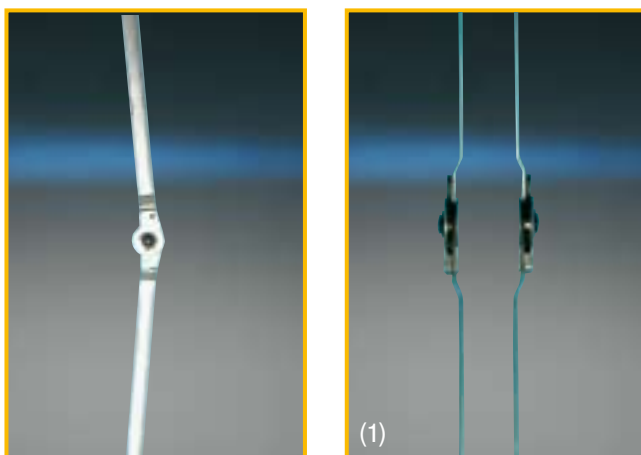
(2) 16Y5	Joint Bolt	Hardened steel
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(3) 16Y9	Joint Plate	Stainless steel
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(4) 16Y6	Lock Spring	Stainless steel
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(1) Elbow Joint Bars

Stainless steel

Joints with automatic ratchet lock, locks only in extension, releases at a max. flexion of approx. 135°, concave half-round bar profile

Article no.	Bar length upper/lower	Bar width/thickness	Head Ø
16X4	210/230 mm	14/2 mm	26 mm

Service Parts for 16X4

(2)



(2) 16Y7

Lock Piece

Stainless steel

(3)



(3) 16Y8

Lock Ring

Stainless steel



(1) Elbow Joint Bar

This joint type is offered in one universal size and in pairs. It features a freely movable medial bar.

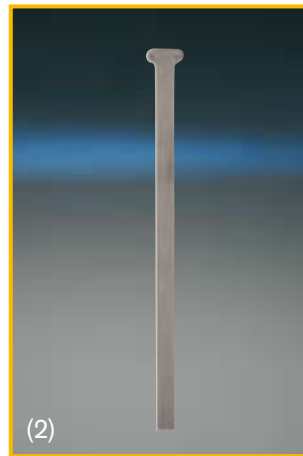
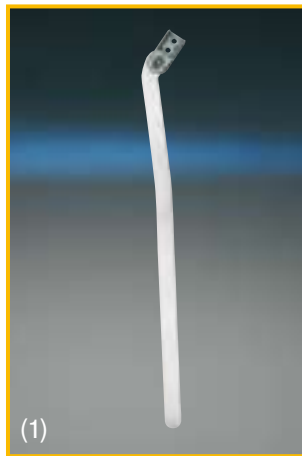
Different flexion and extension settings of the bar are possible:

- in increments of 30°
- 180°; 150°; 120°; 90°; 60°; 30°

Article no.	Bar length	Bar width
16X8	457 mm	12.7 mm

Indicated for example in cases of:

- fractures in the elbow joint region,
- post-operative follow-up treatment with flexion/extension settings defined by the physician.



(1) Arm Bar with Elbow Joint Stainless steel

Free-motion joint in flexion direction
1 package includes 2 pieces

Article no.	Length from joint center	Width	Material thickness
16U7	307 mm	14 mm	2.45 mm

16U6 and 16U7 together form an above-elbow bar with two-part joint.
To get the required length, the ends of the 16U6 are cut.
16U7 and 16U8 together form a bilateral elbow joint bar.






(2) Arm Bar Stainless steel

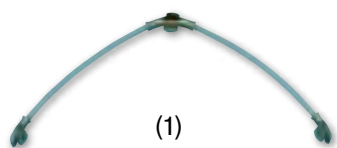
1 package includes 2 pieces

Article no.	Total length	Width	Material thickness
16U8	300 mm	14 mm	2.45 mm

16U7 and 16U8 together form a bilateral elbow joint bar.

Service Parts

- | | | |
|-----|---|--|
| (3) |  | (3) 17F48=5 Joint |
| (4) |  | (4) 17Y17=6x8x2.4 Bushing |
| (5) |  | (5) 17Y93=6x5.2xM4 Bearing Nut |
| (6) |  | (6) 501S32=M4x10x10 Slotted Truss Head Screw |
| (7) |  | (7) 506A12=4x9 Rivet Pin |



(1)

(1) 16H1 Flexible Elbow Joint Connection**

"V"-shape, with three-point suspension



(2)

(2) 16H2 Flexible Joint Splints**

For below-elbow prostheses, pair



(3)

(3) 501S28=M3.5x5 Countersunk Head Screw

Nickel-plated, for 16H1 and 16H2

(4)



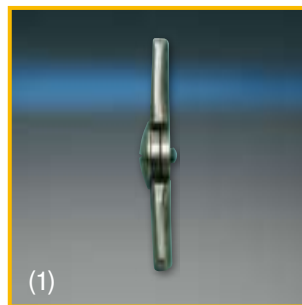
(4) Arm Frame for Terminal Device

Stainless steel

Article no.	Total length	Width	Thickness
16U6	600 mm	14 mm	2.45 mm

The 16U6 Arm Frame can be combined with the 16U7 Arm Bar with Elbow Joint to form an above-elbow bar with two-part joint. To get the required length, the ends of the 16U6 are cut.

** This product is a special order item. Delivery times will vary.



(1) Positioning Joint Stainless steel

Adjustable in 8° increments, used with adjustable positioning splints and static corrective orthoses

Article no.	For System width	Joint Ø	Length from joint center upper/lower
17B70=12	12 mm	18 mm	30/30 mm

Service Parts for 17B70

(2)		(2) 17Y93=7x4.8xM5	Bearing Nut Hardened steel
(3)		(3) 501T7=7.5x9xM5	Phillips Oval Head Screw Stainless steel
(4)		(4) 18Z3	Ring
(5)		(5) 506A12=4x9	Countersunk Rivet
(6)		(6) 651B1=12	Side Bar Stock, spring steel, 12 mm wide, bar stock length approx. 2000 mm