

# TECHNICAL INSTRUCTIONS



## FEATURING:

- 240° of rotation
- Adjustable abduction friction
- 25 locking positions
- 50lb (22.7 kg) weight limit

### PACKAGE CONTENTS

- (1) AXIS Shoulder Joint
- (10) M3 0.5 x 20 mm PH FL screws
- (10) M3 0.5 x 30mm PH FL screws
- (1) SJ90 Mounting Ring
- (1) 0.050" hex key
- (1) 0.062" hex key
- (1) 0.156" hex key
- (1) 3mm hex key
- (1) T10 Torx Key

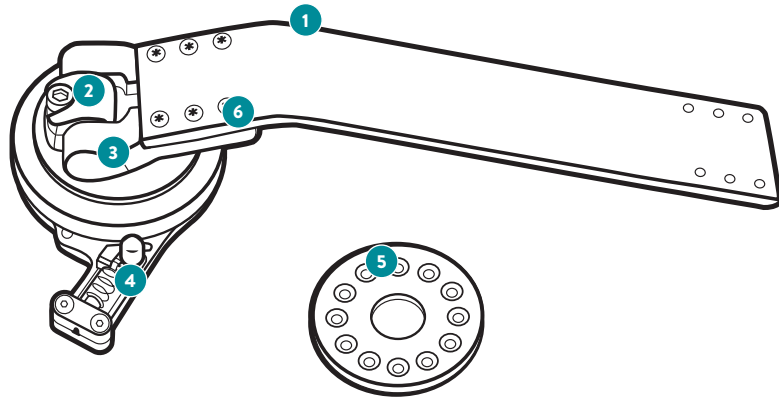
### TOOLS REQUIRED

- 3mm drill bit
- 14mm drill bit
- #1 Phillips head screwdriver



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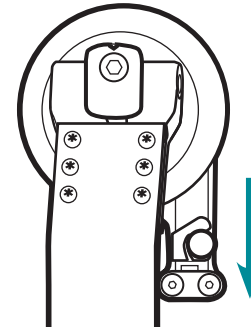
## THE AXIS LOCKING SHOULDER JOINT



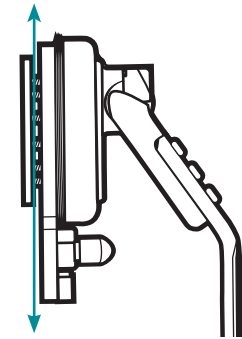
1. Exoskeletal humeral plate
2. Abduction friction adjustment
3. Yoke plate
4. Locking mechanism
5. Mounting ring
6. T10 torx humeral plate fasteners

## MOUNTING INSTRUCTIONS

1. Create room for mounting plate on plaster cast and attach
2. Pull check socket over cast and mounting plate
3. Clean off mounting plate for use in attaching shoulder to socket
4. Place mounting plate into recessed area of check socket
5. Drill holes for mounting screws
6. Attach shoulder joint to mounting plate using provided fasteners and torque to 1 N-m (9 in-lb)
7. Adjust abduction friction to desired level by turning the hex head screw at the top of the yoke clamp.
8. Humeral Plate can be removed to access wire routing channel. When re-installing plate, torque fasteners 1 N-m (9 in-lb).



Position the shoulder joint vertically so that the locking mechanism is pointed distally. If the locking mechanism is rotated too far clockwise or counterclockwise it will impede the Bowden cable of the remote lock or nudge kit.



Align the shoulder joint vertically when determining the mounting position.  
Note: Avoid abduction angles that will cause contact with the yoke joint.

## TECH TIPS

- Use 30mm screws for attaching to a thick check socket and the 20mm for a thinner check socket. Recommended amount of screw length projecting out of the socket should be between .450-.550"
- Mounting surface must be flat and parallel in order for lock to operate properly.
- Do not remove the backing plate on the shoulder joint.
- The 1/16" hex-head screw, accessible through the center of the joint can be removed and relocated to change the position of the center stop. There are 6 possible locations, 60° apart.
- With the bent plate, the user can internally rotate 15° toward the body mid-line when the upper arm is straight ahead. If you prefer a straight line, then cut off the bent end of the Humeral Plate and mount the straight end to the Yoke.

## CAUTIONS AND WARNINGS



Load capacity may not exceed 50lbs (22.7 kg) including prosthesis.

# WARRANTY INSPECTION AND MAINTENANCE INFORMATION

## INSPECTION GUIDELINES

- Visual/Audible signs of wear, cracks, damage, etc.
- Ensure that the joint moves freely without obstruction.
- Ensure that the lock engages and disengages properly.

## TECHNICAL ASSISTANCE / EMERGENCY SERVICE 24/7/365

College Park's regular office hours are Monday thru Friday, 8:30 am – 5:30 pm (EST). After hours, an emergency Technical Service number is available to contact a College Park representative.



800.728.7950 | 586.294.7950 | college-park.com



**COLLEGE PARK INDUSTRIES**  
27955 College Park Dr.  
Warren, MI 48088 USA



**EMERGO EUROPE**  
Prinsessegracht 20, 2514 AP  
The Hague, Netherlands

**CE**  
**MADE IN THE USA**  
566 INS SJ 170202