

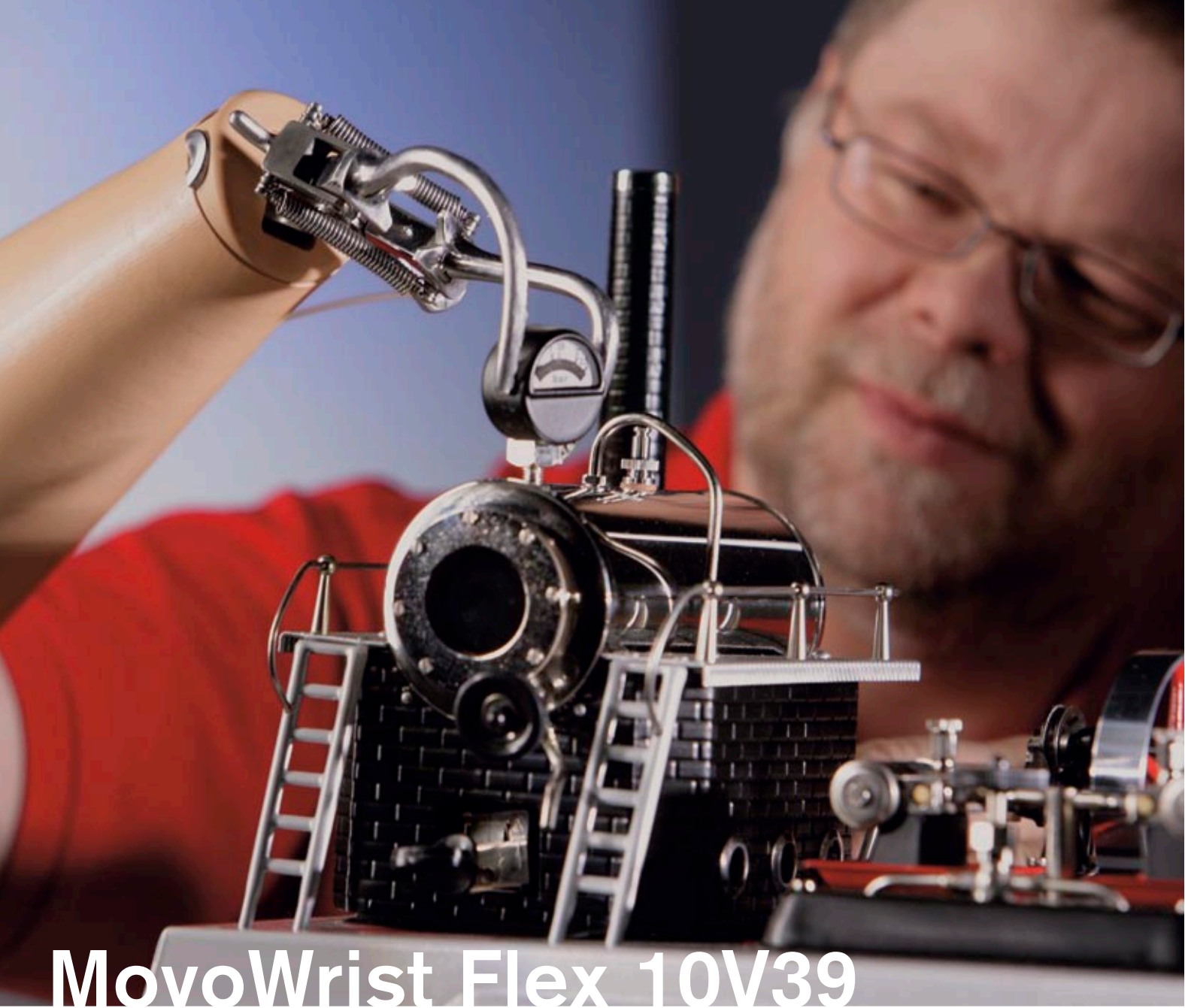
Otto Bock[®]

QUALITY FOR LIFE



Flexion Wrist Joints

Information for Practitioners



MovoWrist Flex 10V39



Flexion and Action

This wrist joint was developed especially for Otto Bock System hands, hooks, and working tools. It permits flexion and extension with 5 locking positions from -15° to $+45^{\circ}$. Twenty different rotation locking positions are available. The 10A30 adapter permits switching among various grippers quickly and easily.

10V39 Technical Data

Setting positions:	5 locking positions in 15° increments	
Neutral or zero setting:	0°	
Extension setting:	-15°	
Flexion setting:	$15^{\circ}/30^{\circ}/45^{\circ}$	
Rotation:	20 locking positions every 18°	
Weight:	10V39=50	approx. 130 g
	10V39=45	approx. 110 g
	10A30=1/2"-20	approx. 20 g
	10A30=M12x1.5	approx. 20 g
	10A30=1	approx. 58 g
Overall length:	33 mm, of which 12 mm are visible on the distal end of the forearm socket.	



MyoWrist Transcarpal 10V38



Flex and Relax

The 10V38 MyoWrist Transcarpal allows flexion and extension of the wrist unit up to 40°. The 10V38 was developed for use with the Otto Bock 8E44 Transcarpal Hands. When combined with the 9S266 Quick Disk Wrist the installation height corresponds to an 8E38 System Electric Hand.

10V38 Technical Data

Setting positions:	5 locking positions in 20° increments	
Neutral or zero setting:	0°	
Extension setting:	-20°/-40°	
Flexion setting:	20°/40°	
Exterior diameter:	36 mm	
Weight:	10V38=7 ¼	approx. 85 g
	10V38=7 ¾	approx. 87 g
	10V38=8 ¼	approx. 89 g
Maximum load capacity:	approx. 27 kg	
Overall length:	24.7 mm	



MyoWrist 2Act 10V40



Flexion for Recreation

The 10V40 MyoWrist 2Act was developed especially for all variations of the Otto Bock System Electric Hands with 8E41 threaded studs in order to obtain a low structural height of the overall system. Flexion and extension are possible with 5 locking positions from -40° to $+40^{\circ}$ in 20° increments. Hand rotation is performed passively with the quick disconnect unit. Active rotation is also possible in combination with the 13E205 MyoRotronic.

10V40 Technical Data

Setting positions:	5 locking positions in 20° increments
Neutral or zero setting:	0°
Extension setting:	$-20^{\circ} / -40^{\circ}$
Flexion setting:	$20^{\circ} / 40^{\circ}$
Exterior diameter:	36 mm
Weight:	approx. 55 g
Maximum load capacity:	approx. 27 kg
Overall length:	26 mm

Otto Bock Flexion Wrist Joints

Additional degrees of freedom increase the range of action and benefit of the prosthesis. They simplify handling during tasks close to the body, allow the user to be more relaxed while working and provide a clear view of the work area. The user experiences improved freedom of action.

Unnatural compensating movements of the arm and shoulder can be avoided when gripping, enabling a physiologically correct body posture when using the prosthesis. This creates a more natural and inconspicuous appearance of the prosthesis wearer, which is supported by precise gripping with little fatigue and almost no need for secondary gripping. With improved positioning, the need for other implements may be eliminated.

Tasks of artificial wrist joints:

- Connecting element between forearm and terminal device
- Switching among various terminal devices
- Positioning and fixation of terminal devices

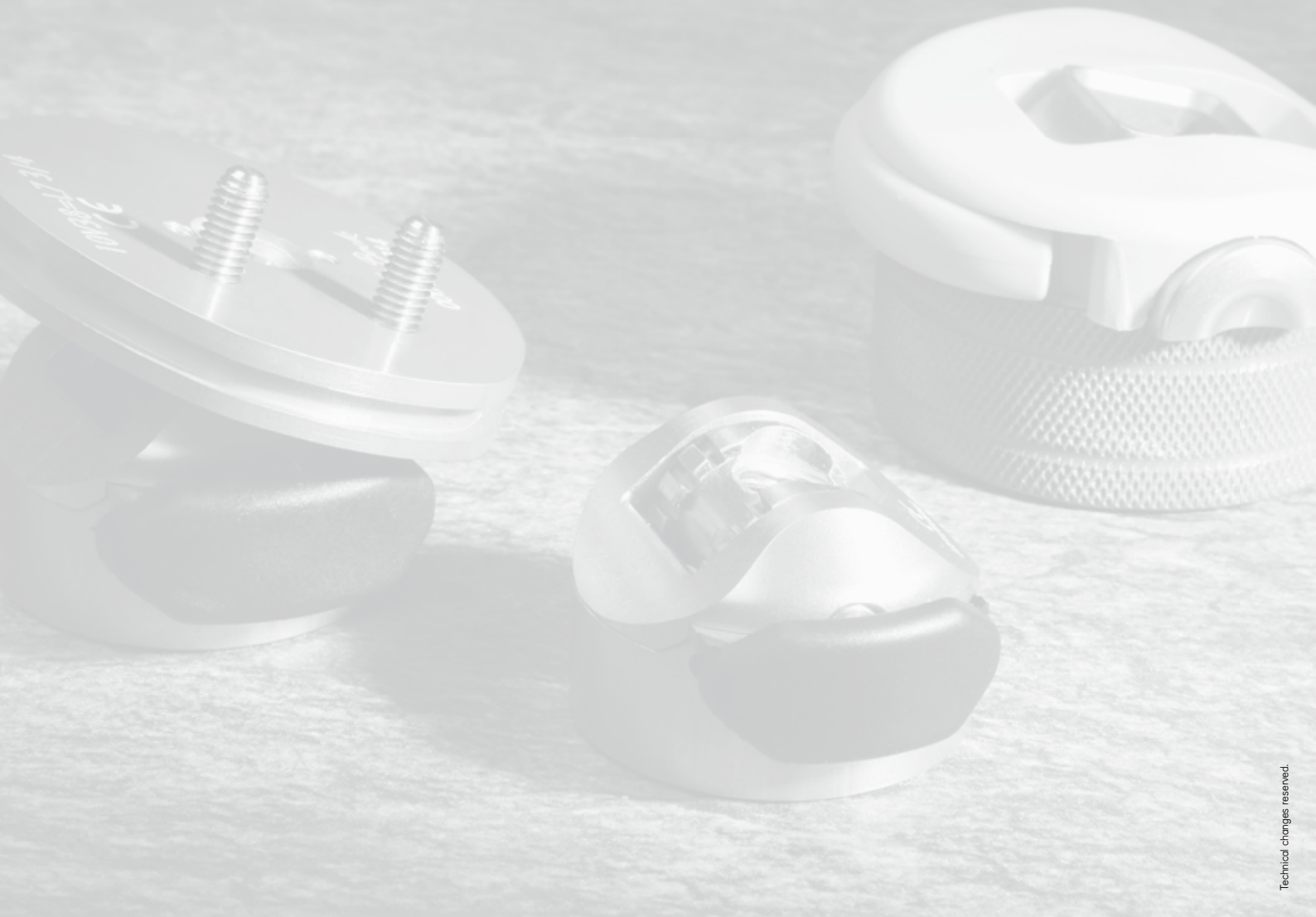
Prerequisites for successful fittings:

- Targeted prosthesis training
- Acceptance of the user

Target: Increased patient benefit

Compatibility of Flexion Wrist Joints

	10V39 MovoWrist Flex	10V38 MyoWrist Transcarpal	10V40 MyoWrist 2Act
Wrist joints	10V39=45 10V39=50	10V38=L/R 7 ¼ 10V38=L/R 7 ¾ 10V38=L/R 8 ¼	10V40
Compatible terminal devices	Passive system hands 8K18/19=* System Hands voluntary opening 8K20/21/22/23=* System Hands voluntary closing 8K24/26/27=* All Otto Bock hooks All Otto Bock working tools	Otto Bock Transcarpal Hands 8E44=*	Otto Bock System Electric Hands 8E41=*
Accessories	10A30=* Adapter for connecting terminal devices	Also required: 9S266 Quick disconnect wrist adapter 9E397=* Coaxial Bushing =7 DMC plus® =8 Digital Twin® =9 SensorHand Speed® =10 VariPlus Speed®	Also required: 9S266 Quick disconnect wrist adapter 9E397=* Coaxial Bushing =7 DMC plus® =8 Digital Twin® =9 SensorHand Speed® =10 VariPlus Speed®
Short residual limb version		Also required: 8R1=* Endoskeletal adapter	
Assembly by service fabrication		Also order item number SMP-10V38	Also order item number SMP-10V40



Technical changes reserved.

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Otto Bock HealthCare GmbH

Max-Näder-Straße 15 · 37115 Duderstadt/Germany · Phone +49 5527 848-1424 · Fax +49 5527 72330 · export@ottobock.de · www.ottobock.com

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