

Boston Digital Arm™ System Performance/Specifications

Factor/measure	Boston Digital Arm
Torque	10+ ft-lbs
Weight Lifting Ability (@ 14")	9 lbs
Clutch	reverse locking
Clutch release under load	yes
Speed: no load	
flexion (against gravity)	1.1 sec
extension (with gravity)	1.0 sec
Speed: with Greifer (1.2 lbs)	
flexion (against gravity)	1.2 sec
extension (with gravity)	1.0 sec
Weight of Elbow (no TD)	2 lb 4 oz
Weight of Elbow with OB TD	3 lb 5 oz
Weight with light weight TD	2 lb 15 oz
Center of Mass (from rear of housing)	3.5 inches
Control Options*:	
myo-myoelectric	yes
servo	yes (1 or 2)
switches	yes
Touch Pads (FSR) - up to 5	yes
Mode Selection	co-contraction, switches or revert
Battery Capacity (12 volt)	1100 mAhr
Removable battery	yes
On-board Charging	yes
Slow charger	yes
Fast Charger	yes (1.25 hrs)
Patient adjustable humeral rotation friction	yes
Forearms:	
wrist sizes	4 standard (plus custom)
number of colors	11
range of lengths	8.5" to 14.5"
maximum circumference	9.25"
minimum coupling collar length	2.80"
Terminal Device Compatibility:	
Otto Bock electric hand	yes
Centri electric hand	yes
Steeper electric hand	yes
Otto Bock Greifer	yes
Steeper Powered Gripper	yes
body powered split-hooks	yes
Otto Bock electric wrist rotator	yes
Modular construction (for servicing)	yes
Surface Mount Technology (SMT) circuits	yes
Drive Train	direct drive (wave generator)
Free-swing mode	yes (mechanical)
Warranty	2 year limited
Myoelectrodes/amplifier size	1" x 11/16" x 3/16" thick
HCFA L-code Boston Elbow (2003 median)	L7180 - \$28,924.75
HCFA L-code Proportional Control (2003 median)	L7274 - \$5,349.45
HCFA L-code "Microprocessor TD (2003 median)	L6882 - \$2,489.00
Medicare Reimbursement (2003 median) – total**	\$31,413.75

* The Boston Digital Arm is a microcomputer-based system with numerous control options.

The Arm can accept up to six inputs and control up to four powered devices and can be tailored to suit the users capabilities and needs.

** The L-codes provided represent our suggestions and you as a practitioner must decide which codes to use.