

# ISO 13405-3:2015-01 (E)

## Prosthetics and orthotics - Classification and description of prosthetic components - Part 3: Description of upper limb prosthetic components

---

<b>Contents</b>		<b>Page</b>
Foreword .....		v
Introduction .....		vi
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Classification .....	1
5	Interface components .....	2
5.1	Sockets .....	2
5.1.1	General .....	2
5.1.2	Level of amputation .....	2
5.1.3	Force-transmission properties .....	3
5.1.4	Area of contact .....	3
5.1.5	Stiffness .....	4
5.1.6	Activation and control .....	4
5.2	Suspensory components (other than sockets and liners) .....	4
5.2.1	General .....	4
5.2.2	Type .....	4
5.2.3	Suspension sites .....	4
6	Functional components .....	5
6.1	General .....	5
6.2	Description of permissible motions .....	5
6.3	Terminal devices .....	5
6.3.1	General .....	5
6.3.2	Types .....	6
6.3.3	Activation .....	6
6.3.4	Control .....	7
6.3.5	Special features .....	7
6.4	Wrist units .....	7
6.4.1	General .....	7
6.4.2	Motions .....	8
6.4.3	Activation .....	8
6.4.4	Control .....	9
6.5	Elbow unit .....	9
6.5.1	General .....	9
6.5.2	Motions .....	10
6.5.3	Activation .....	10
6.5.4	Control .....	10
6.6	Shoulder unit .....	11
6.6.1	General .....	11
6.6.2	Motions .....	11
6.6.3	Activation .....	11
6.6.4	Control .....	11
6.7	External (side) joints .....	12
6.7.1	General .....	12

6.7.2	Motion .....	12
6.7.3	Axis of rotation .....	12
6.7.4	Activation and control .....	13
6.8	Humeral rotation units .....	13
6.8.1	General .....	13
6.8.2	Motion .....	13
6.8.3	Activation and control .....	13
6.9	Additional flexion unit .....	13
7	Alignment components .....	14
8	Structural components .....	14
9	Finishing (cosmetic) components .....	14