

Quick Guide | Modules for foreign sockets

The Explorer System

Spacer | Selection of the appropriate spacer length for an Explorer module

No use of a spacer length

- When the arm stump together with the shaft already corresponds to the full length of the contralateral forearm (height of wrist).

Calculating the spacer length for foreign shafts

- Determine the value L5 (see measuring instructions; values L1-L4 are not relevant).
- Determine the value L6 (total length from the stump of the arm including the socket, measured in a straight line from the medial epicondyle to the distal end of the socket).
- Determine $\Delta L = L5 - L6$

Documents | helpful detailed information



- [Quick Guide | Socket](#)
- [Quick Guide | Modules](#)
- [Measurement Instructions | Photo](#)
- [Instructions for Use | Module](#)
- [Instructions for Use | Socket](#)
- [Assembly instructions | Socket](#)
- [Biocompatibility](#)

Explorer Ring | Checking the compatibility of the required ring variant

Explorer Ring 'High'

- Recommended when using the distal shaft end of macu4

Explorer Ring 'Standard'

- Recommended when the distal end of the shaft has a flat finish.
- Please pay attention to the following:
 - The distal end must be flat. A round, flat surface with a diameter of 44 mm (corresponds to the outer diameter of the ring) is recommended.
 - The ring should not be in a recess, as it must be accessible in order to be operable.
 - The internal thread at the distal end of the foreign shaft must have a depth of at least 12 mm.
 - The receptacle must be designed in such a way that a sufficient number of threads interlock, especially if the internal thread is offset proximally.

Quick Guide | Modules for foreign sockets

The Explorer System

This table informs about the recommended spacer length per Module. The determination of $\Delta L = L5 - L6$ is described in the measurement instructions.

$\Delta L = L5 - L6$ (mm)	BALL	BIKE	TWIN	PINCH
<44	NA	NA	NA	NA
44-46	NA	NA	16	NA
47-53	NA	NA	16	16
54	NA	NA	20	16
55	NA	16	20	16
56	NA	16	20	16
57	NA	16	20	20
58	NA	16	25	20
59	NA	16	25	20
60	NA	16	25	20
61	NA	16	25	25
62	16	16	25	25
63	16	16	30	25
64	16	16	30	25
65	16	20	30	25
66	16	20	30	30
67	16	20	30	30
68	16	20	35	30
69	16	25	35	30
70	16	25	35	30
71	20	25	35	35
72	20	25	35	35

$\Delta L = L5 - L6$ (mm)	BALL	BIKE	TWIN	PINCH
73	20	25	40	35
74	20	30	40	35
75	25	30	40	35
76	25	30	40	40
77	25	30	40	40
78	25	30	45	40
79	25	35	45	40
80	30	35	45	40
81	30	35	45	45
82	30	35	45	45
83	30	35	50	45
84	30	40	50	45
85	35	40	50	45
86	35	40	50	50
87	35	40	50	50
88	35	40	55	50
89	35	45	55	50
90	40	45	55	50
91	40	45	55	55
92	40	45	55	55
93	40	45	60	55
94	40	50	60	55

Quick Guide | Modules for foreign sockets

The Explorer System

This table informs about the recommended spacer length per Module. The determination of $\Delta L = L5 - L6$ is described in the measurement instructions.

$\Delta L = L5 - L6$ (mm)	BALL	BIKE	TWIN	PINCH
95	45	50	60	55
96	45	50	60	60
97	45	50	60	60
98	45	50	65	60
99	45	55	65	60
100	50	55	65	60
101	50	55	65	65
102	50	55	65	65
103	50	55	70	65
104	50	60	70	65
105	55	60	70	65
106	55	60	70	70
107	55	60	70	70
108	55	60	75	70
109	55	65	75	70
110	60	65	75	70
111	60	65	75	75
112	60	65	75	75
113	60	65	80	75
114	60	70	80	75
115	65	70	80	75
116	65	70	80	80

$\Delta L = L5 - L6$ (mm)	BALL	BIKE	TWIN	PINCH
117	65	70	80	80
118	65	70	85	80
119	65	75	85	80
120	70	75	85	80
121	70	75	85	85
122	70	75	85	85
123	70	75	90	85
124	70	80	90	85
125	75	80	90	85
126	75	80	90	90
127	75	80	90	90
128	75	80	95	90
129	75	85	95	90
130	80	85	95	90
131	80	85	95	95
132	80	85	95	95
133	80	85	100	95
134	80	90	100	95
135	85	90	100	95
136	85	90	100	100
137	85	90	100	100
138	85	90	105	100

Quick Guide | Modules for foreign sockets

The Explorer System

This table informs about the recommended spacer length per Module. The determination of $\Delta L = L5 - L6$ is described in the measurement instructions.

$\Delta L = L5 - L6$ (mm)	BALL	BIKE	TWIN	PINCH
139	85	95	105	100
140	90	95	105	100
141	90	95	105	105
142	90	95	105	105
143	90	95	110	105
144	90	100	110	105
145	95	100	110	105
146	95	100	110	110
147	95	100	110	110
148	95	100	115	110
149	95	105	115	110
150	100	105	115	110
151	100	105	115	115
152	100	105	115	115
153	100	105	120	115
154	100	110	120	115
155	105	110	120	115
156	105	110	120	120
157	105	110	120	120
158	105	110	125	120
159	105	115	125	120
160	110	115	125	120

$\Delta L = L5 - L6$ (mm)	BALL	BIKE	TWIN	PINCH
161	110	115	125	125
162	110	115	125	125
163	110	115	130	125
164	110	120	130	125
165	115	120	130	125
166	115	120	130	130
167	115	120	130	130
168	115	120	135	130
169	115	125	135	130
170	120	125	135	130
171	120	125	135	135
172	120	125	135	135
173	120	125	140	135
174	120	130	140	135
175	125	130	140	135
176	125	130	140	140
177	125	130	140	140
178	125	130	145	140
179	125	135	145	140
180	130	135	145	140
181	130	135	145	145
182	130	135	145	145

Quick Guide | Modules for foreign sockets

The Explorer System

This table informs about the recommended spacer length per Module. The determination of $\Delta L = L5 - L6$ is described in the measurement instructions.

$\Delta L = L5 - L6$ (mm)	BALL	BIKE	TWIN	PINCH
183	130	135	150	145
184	130	140	150	145
185	135	140	150	145
186	135	140	150	150
187	135	140	150	150
188	135	140	155	150
189	135	145	155	150
190	140	145	155	150
191	140	145	155	155
192	140	145	155	155
193	140	145	160	155
194	140	150	160	155
195	145	150	160	155
196	145	150	160	160
197	145	150	160	160
198	145	150	165	160
199	145	155	165	160
200	150	155	165	160
201	150	155	165	165
202	150	155	165	165
203	150	155	170	165
204	150	160	170	165

$\Delta L = L5 - L6$ (mm)	BALL	BIKE	TWIN	PINCH
205	155	160	170	165
206	155	160	170	170
207	155	160	170	170
208	155	160	175	170
209	155	165	175	170
210	160	165	175	170
211	160	165	175	175
212	160	165	175	175
213	160	165	180	175
214	160	170	180	175
215	165	170	180	175
216	165	170	180	180
217	165	170	180	180
218	165	170	185	180
219	165	175	185	180
220	170	175	185	180
221	170	175	185	185
222	170	175	185	185
223	170	175	190	185
224	170	180	190	185
225	175	180	190	185
226	175	180	190	190

Quick Guide | Modules for foreign sockets

The Explorer System

This table informs about the recommended spacer length per Module. The determination of $\Delta L = L5 - L6$ is described in the measurement instructions.

$\Delta L = L5 - L6$ (mm)	BALL	BIKE	TWIN	PINCH
227	175	180	190	190
228	175	180	195	190
229	175	185	195	190
230	180	185	195	190
231	180	185	195	195
232	180	185	195	195
233	180	185	195	195
234	180	190	195	195
235	185	190	195	195
236	185	190	195	195
237	185	190	195	195
238	185	190	195	195
239	185	195	195	195
240	190	195	195	195
241	190	195	195	195
242	190	195	195	195
243	190	195	195	195
244	190	195	195	195
>244	195	195	195	195