



BioBall® Adapter System

- Allows adjustment **without removing the well-fixed femoral stem**
- Enables precise intraoperative correction of neck length and offset, including retro-/antetorsion and medialisation/lateralisation
- Supports **11 taper geometries**
- Compatible with **BioBall® ceramic and metal heads**
- BioBall® AdapterSelector®** ensures reliable taper size confirmation



BioBall® AdapterSelector®



BioBall® Adapters



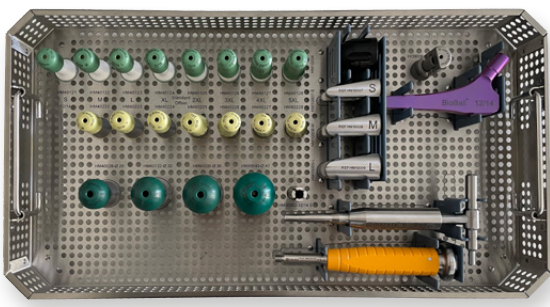
BioBall® Ceramic Head with BioBall® Adapter



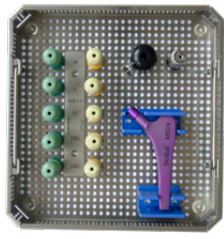
BioBall® Heads

BioBall® Instrument Trays

- BioBall® 12/14 Instrument Tray** contains all instruments and radiopaque trials for safe visual control
- Dedicated **small trays for special adapters** for reliable intraoperative taper assessment



12/14 Instrument Tray

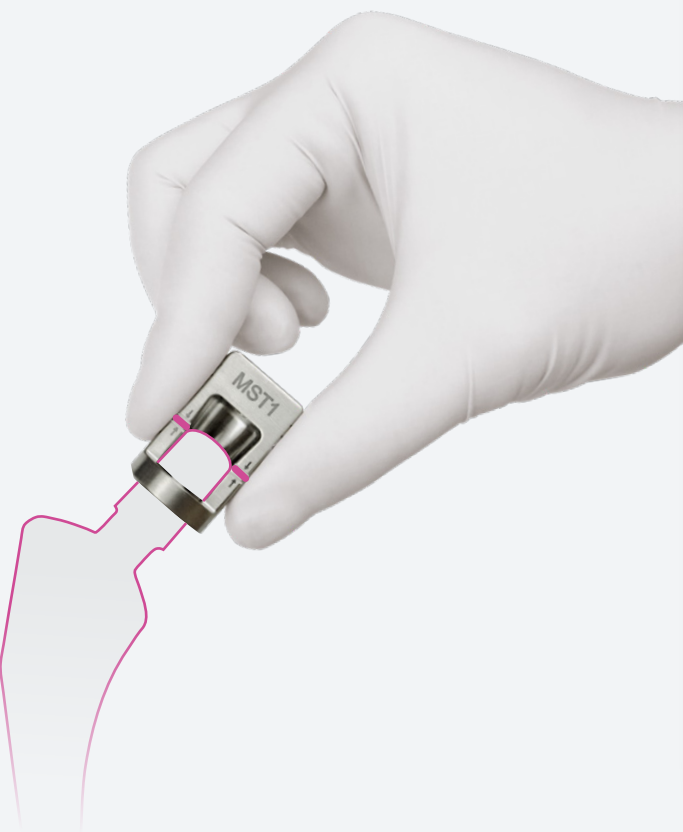


e.g. MSV4 Instrument Tray

Taper Geometry Selection

Taper geometries are not standardised, they can be significantly different from one manufacturer to another.

Always use the BioBall® AdapterSelector® to check the precise match between the adapter and the stem taper, preventing misalignment and instability.

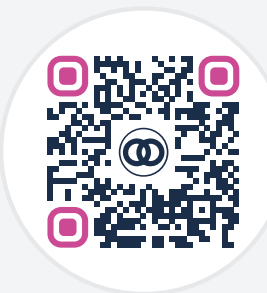


Manufacturer	Description	Taper	Validated by AdapterSelector®
Aesculap ¹	8/10	8/10	MS 8/10
	12/14	12/14	12/14
Amplitude ²	12/14	12/14	12/14
	10/12	10/12	MS 10/12
Biomet/Zimmer ³	12/14	12/14	12/14
	Type I	11/13	MST1
DePuy ⁴	6 Degree Taper	10/12	MSZ1
	Articul/eze® Taper	12/14	12/14
	Large Taper	14/16	14/16
Waldemar Link ⁵	S-ROM® Taper	11/13	MSSR
	12/14	12/14	12/14
Smith & Nephew ⁶	14/16	14/16	14/16
	12/14	12/14	12/14
Stryker ⁷ /Howmedica ⁸	10/12	10/12	MS 10/12
	C-Taper	12/14	12/14
Symbios ⁹	14/16	14/16	14/16
	V40™	11/12	MSV4
	6°-Taper	14/16	MSBG
	PCA® Taper	13/14	MSPC
	6°	10/12	MSSY
	12/14	12/14	12/14

BioBall® Surgery Quick Guide

For detailed information, refer to the surgical technique.

1 Pre-operative planning



Contact **Merete® Taper Identification Service** if taper is unknown.

2 BioBall® Instrument Tray



Use pre-operative planning software.

3 Removal of existing head

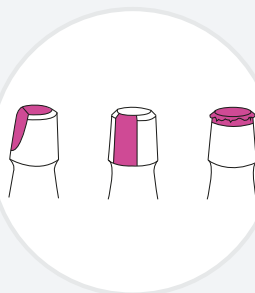


Have the **BioBall® 12/14 tray** ready, add special adapter tray if needed.

4 Visual check of taper



Use **BioBall® Head Separating Wedge** to detach the existing head.



Inspect the stem taper.

5 Verify taper compatibility



Confirm with the **BioBall® AdapterSelector®**.



6 Visual trial (re)positioning



Evaluate offset, neck length, ROM and soft tissue tension with **BioBall® trials**.

7 Final implantation



Attach the **BioBall® adapter** and head on the taper.

Order Matrix – Tailored to Your Needs

	12/14		14/16		MS 8/10 (8/10)		MS 10/12 (10/12)		MSBG (14/16)		MSPC (13/14)		MSSR (11/13)		MSSY (10/12)		MST1 (11/13)		MSV4 (11/12)		MSZI (10/12)	
Compatibility with BioBall® Heads*	● ●		● ●		●		● ●		●		●		●		● ●		●		● ●*		● ●	
	Standard	Offset	Standard	Offset	Standard	Offset	Standard	Offset	Standard	Offset	Standard	Offset	Standard	Offset	Standard	Offset	Standard	Offset	Standard	Offset	Standard	Offset
Neck length	Ref.																					
S (-3.0 mm)	HM30121	–	–	–	HM32121	–	HM30101	–	–	–	–	–	–	–	HM37121	–	–	–	–	–	HM33121	–
M (0 mm)	HM30122	HM30222	HM30142	–	HM32122	HM32222	HM30102	HM30202	HM31142	–	HM31132	–	HM31152	–	HM37122	–	HM36002	HM36022	HM34122	HM34222	HM33122	–
L (+3.5 mm)	HM30123	HM30223	HM30143	–	HM32123	HM32223	HM30103	HM30203	HM31143	–	HM31133	–	HM31153	–	HM37123	–	HM36003	HM36023	HM34123	HM34223	HM33123	–
XL (+7.0 mm)	HM30124	HM30224	HM30144	–	HM32124	HM32224	HM30104	HM30204	HM31144	–	–	–	HM31154	–	HM37124	–	HM36004	HM36024	HM34124	HM34224	HM33124	–
2XL (+10.5 mm)	HM30125	HM30225	HM30145	HM30445	HM32125	HM32225	HM30105	HM30205	HM31145	–	–	–	–	–	–	–	HM36005	HM36025	HM34125	HM34225	HM33125	–
3XL (+14.0 mm)	HM30126	HM30226	HM30146	HM30446	–	–	HM30106	HM30206	–	–	–	–	–	–	–	–	HM36006	HM36026	HM34126	HM34226	HM33126	–
4XL (+17.5 mm)	HM30127	HM30227	HM30147	HM30447	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
5XL (+21.0 mm)	HM30128	HM30228	HM30148	HM30448	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
BioBall® AdapterSelector®	HI39006		HI39007		HI39005		HI39003		HI39008		HI39009		HI39010		HI39012		HI39001		HI39002		HI39004	

- BioBall® Metal Heads (sizes Ø 28, 32, 33, 35, 36, 38 mm)
- BioBall® Ceramic Heads (sizes Ø 28, 32, 36, 40, 44, 48 mm)

* Offset version available only in sizes M, L, and XL for ceramic head

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Sales contact