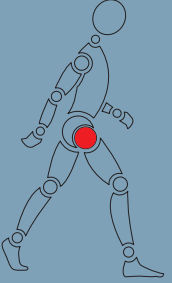


swiss design
swiss made
swiss quality

OVER 30 YEARS OF EXPERIENCE IN MEDICAL TECHNOLOGY
**30
YEARS**
OVER 30 YEARS OF EXPERIENCE IN MEDICAL TECHNOLOGY

BSC Pressfit Cup

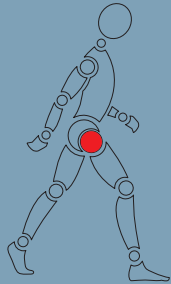


stemcup

Medical products in motion



BSC Pressfit Cup



The spherical BSC Hip Cup developed in collaboration with Prof. Dr. med. G. Biehl, has the purpose to achieve the optimal restoration of the anatomical cup function of the hip joint under physiological load. The press-fit cup is slightly flattened at the pole and is larger in diameter than the pre-reamed acetabular bed in the bone. 11 diameter sizes from 46 to 66 mm allow an optimal adaptation to the anatomical conditions. A good secondary stability is achieved through a rough surface coating of pure titanium with a roughness value of Ra 30-35 µm so that a good osseointegration is ensured. In addition, bone screws may be used.

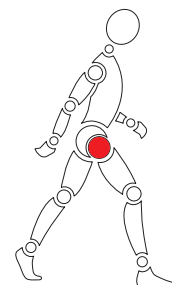
Additional the BSC Cup is available with a hydroxylapatite-coating to enhance the osseointegrative ability. The HA coated cup is closed with cover screws.

Polyethylene, Xonit X-PE, Xonit-E X-PE and ceramic inlays are available. 4 inlays sizes cover all 11 cup sizes. The polyethylene inlays are also available in a 10° dysplasia version with an anti-dislocation shoulder.

It's possible to use ballheads with 36mm diameter from cup size 50 with ceramic and Xonit X-PE-Inlays. From cup size 54 it's possible to use 40 ballheads. This leads to significantly more ROM, greater dislocation paths and less impingement against smaller ball heads and brings the patient felt more freedom of movement.

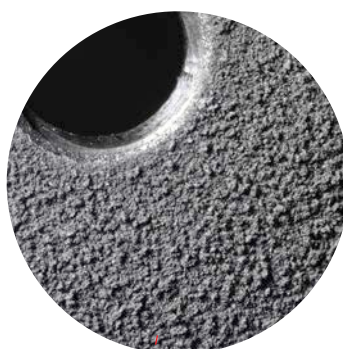
stemcup

Medical products in motion

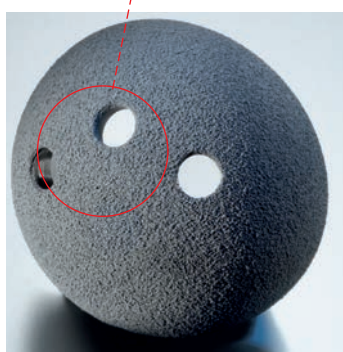


Prosthesis design

- 11 cup sizes of \varnothing 46 - 66 mm
- closed type and 3 hole type
- Material: pure titanium / ISO 5832-2
- titanium plasma coating
Roughness R_a 30-35 μm
additionally with HA coating available
- Cup \varnothing = reamer \varnothing + oversize
(oversize increasing with the cup size)
- flattened cup pole
- no instrument access on the inlays contact surface, thus avoiding damage to the Ceramic-Inlay

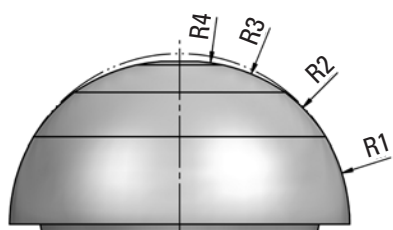


The spherical BSC Cup is made of the long-proven pure titanium according to ISO 5832-2. The coating of pure titanium (additionally with HA coating available) has a surface roughness R_a of 30-35 μm .



The spherical BSC Cup exists as a closed cup or a cup with 3 screw holes. The 3 hole cup can, if necessary, be additionally fixed with bone screws or the screw holes can be closed with cover screws.

The BSC Cup which is additionally coated with HA is closed with coverscrews.



BSC press-fit cup with different radii

stemcup

Medical products in motion



Tribological pairings

Due to the special shape of the BSC cup the thickness of the PE-Inlays are bigger than corresponding competitive products.

Because of the special shape it's also possible to use bigger ballheads in smaller cups if a ceramic or X-link PE tribological pairing is designated.

	Ø28	Ø32	Ø36	Ø40
PE-Inlay standard	size 46-66	size 50-66	_____	_____
PE-Inlay dysplasia	size 46-66	size 50-66	_____	_____
Xonit X-PE-Inlay standard	size 46-66	size 46-66	size 50-66	size 54-66
Xonit X-PE-Inlay dysplasia	size 46-66	size 50-66	size 54-66	_____
Xonit-E X-PE-Inlay standard	size 46-66	size 46-66	size 50-66	size 54-66
Xonit-E X-PE-Inlay dysplasia	size 46-66	size 50-66	size 54-66	_____
Ceramic-Inlay	size 46-66	size 46-66	size 50-66	size 54-66



PE-Inlay standard



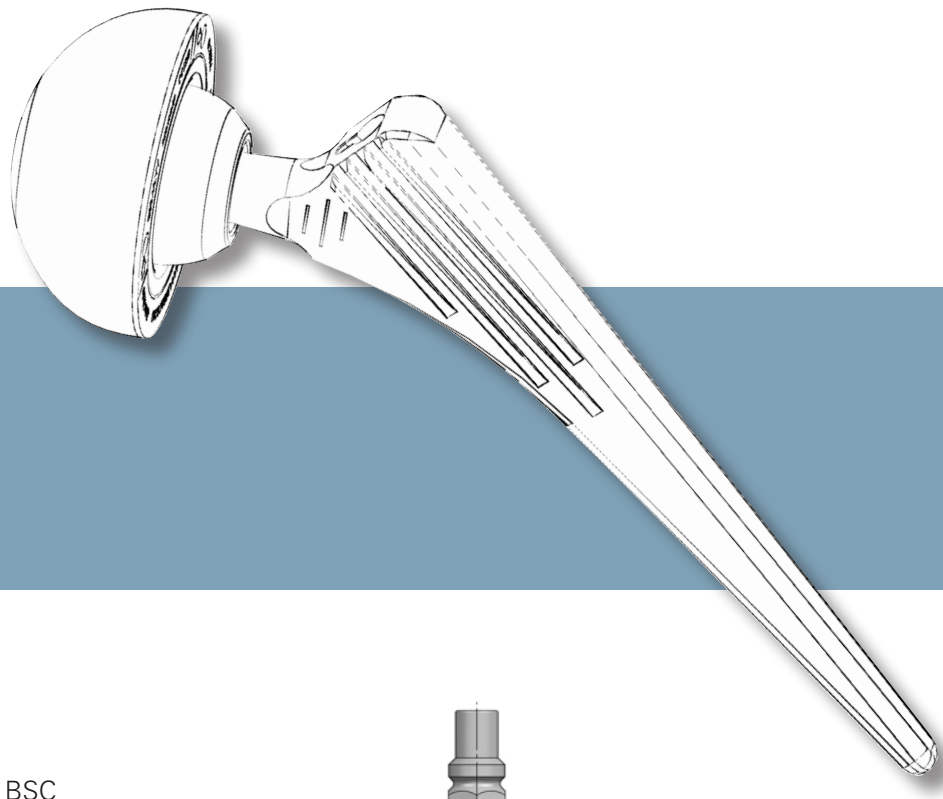
Xonit / Xonit-E X-PE-Inlay



Ceramic-Inlay

stemcup

Medical products in motion

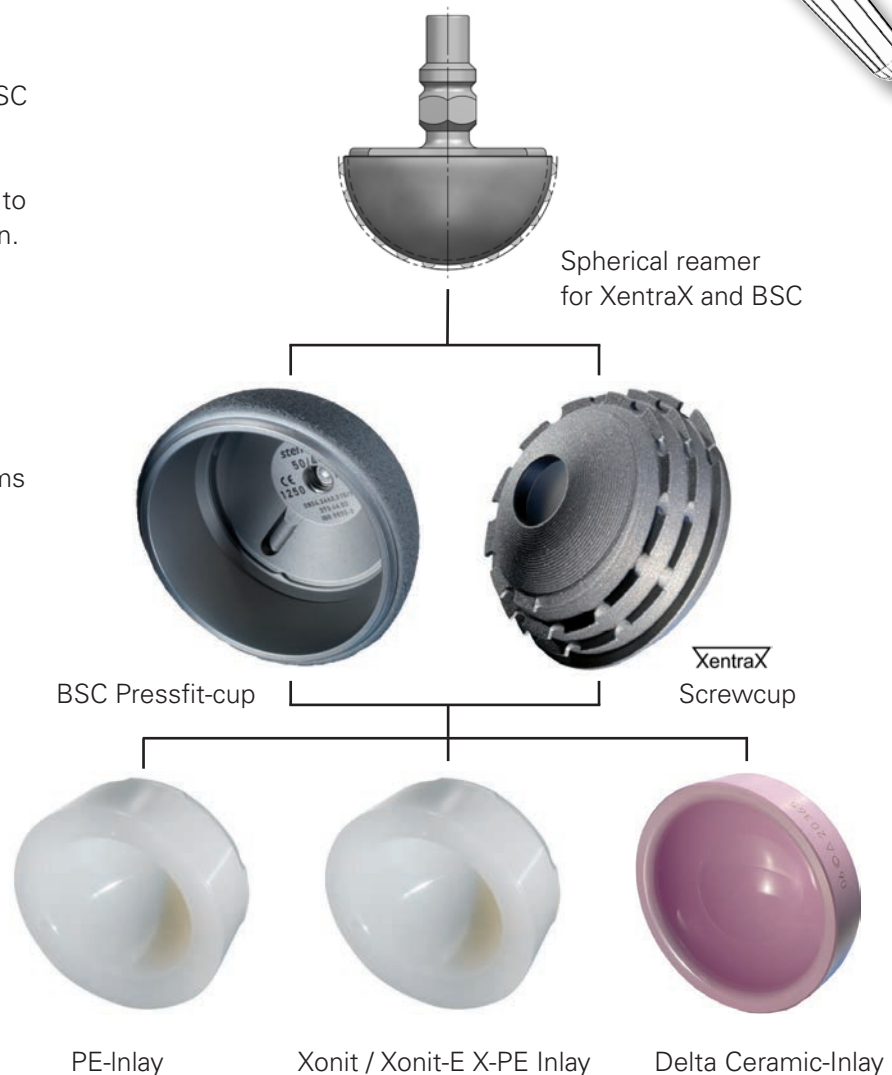


Combination

The modular design of the BSC Pressfitcup- and the XentraX Screwcupsystem allows to change from one cupsystem to the other during the operation.

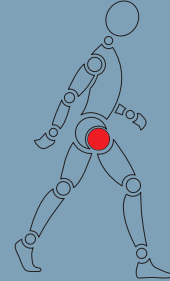
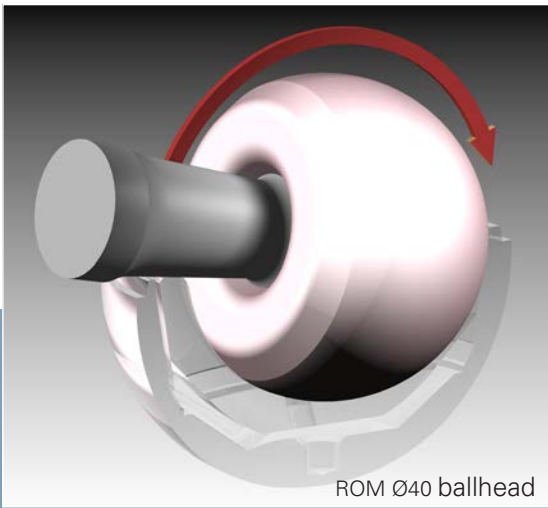
The instrumentation for both cupsystems is the same excepting the setting instruments.

The inlays for both cupsystems are the same.



stemcup

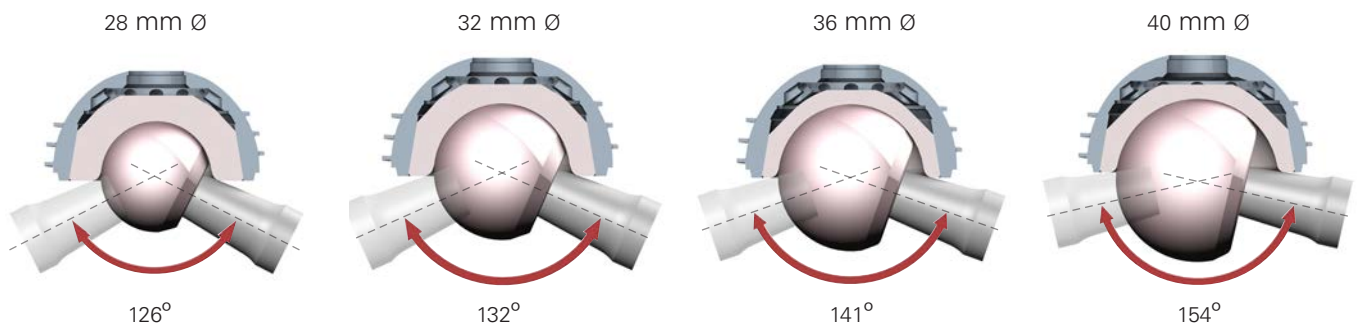
Medical products in motion

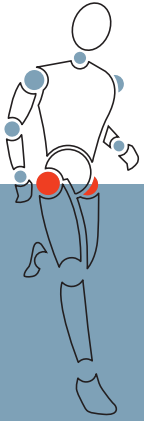


Range of Motion (ROM)

The possibility of big inlays in small cups enables a early change to big ballheads. Bigger ballheads increases the ROM of the cup, which ends up to more mobility for the patient. Bigger ballheads also increases the luxation-security and the risk of impingement is reduced.

- smallest BSC-cup size 46 --> ROM of 132° --> 32 ballhead
- BSC-cup size 50 --> ROM of 141° --> 36 ballhead
- BSC-cup size 54 --> ROM of 154° --> 40 ballhead





Instrumentation

Simple and functional instrumentation supports a constantly controllable and safe preparation and insertion of the implant.



22.03.2001
Patient born in 1936



29.03.2001
postoperative



01.12.2003
32 month postoperative

stemcup

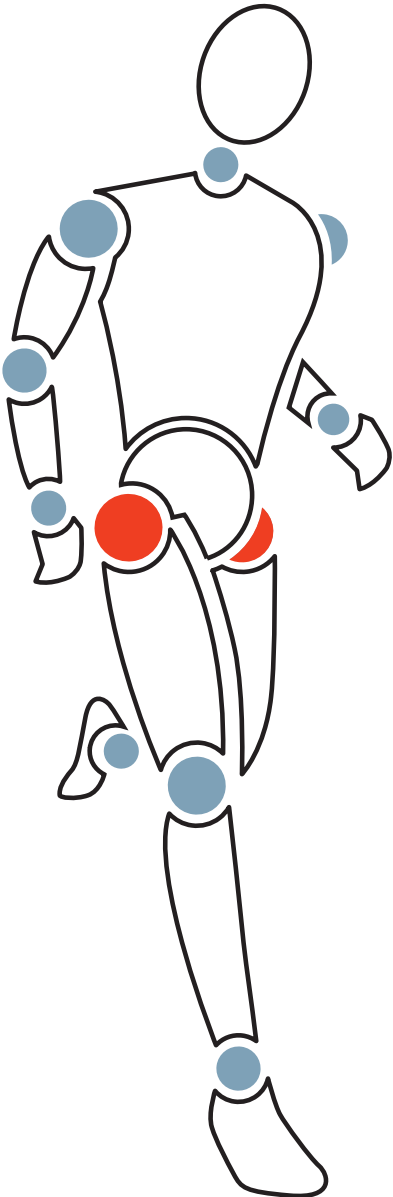
Medical products in motion

E-IFU

The E-IFU (Instruction for use) is available online on www.stemcup.com by entering the corresponding E-IFU Code. There can be requested a printed version of the IFU any time. Delivery of a printed version takes 1-7 days. Please send your direct order by email to administration@stemcup.ch, or send us a fax on the appropriate fax number of your country.



Stemcup – central and close to you!



We are there when you need us:

Switzerland Headquarters
Stemcup Medical Products AG
Aargauerstrasse 180
CH- 8048 Zürich
Tel. +41 (0)43 311 85 00
Fax. +41 (0)43 311 85 09
info@stemcup.ch
www.stemcup.ch

Germany
Stemcup Medical Products GmbH
Wallbrunnstrasse 24
D-79539 Lörrach
Tel. +49 (0) 7621 162 00 49
Fax. +49 (0) 7621 161 97 78
info@stemcup.de
www.stemcup.de

Austria
Stemcup Medical Products Austria GmbH
Schwindgasse 20/1/4
A-1040 Wien
Tel. +43 (0) 1 890 40 53
Fax. +43 (0) 1 890 40 54
info@stemcup.at
www.stemcup.at

Distribution partner in:

Australia	France
Iran	Italy
Brazil	Spain
South Africa	Turkey
Japan	India