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Exeter™
Technical Guide

Exeter™ Hip System

Anatomic Restoration

The Exeter™ hip system allows intraoperative changes in offset, leg length and version, all independent of one another. This flexibility facilitates true Anatomic Restoration providing improved function and outcomes.

The Exeter™ hip has an infinite number of positions to allow a custom made fit for every patient.



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History

History



The Original Exeter™ Stem 1970-1975

- Monoblock stem
- Material EN58J Stainless steel
- 44mm offset only
- 29.75mm head
- Metal centraliser
- Polished finish



Exeter™ Matt Stem 1976-1985

- Monoblock stem
- Material 316L stainless steel 1976-1983
- Material Orthinox™ stainless steel 1983-1985
- 37.5mm offsets introduced
- Matt finish



Exeter™ Polished Stem 1986-1987

- Monoblock stem
- Material Orthinox™ stainless steel
- PMMA cement centraliser added
- Polished finish



Exeter™ Universal Stem 1988-2002

- Modular stem
- Material Orthinox™ stainless steel
- 5°40' spigot (non-V40™)
- Heads available in Orthinox™ stainless steel only
- Polished finish



Exeter™ Universal Stem 1988-2002

Orthinox™ heads are available for revisions:

0586-0-022	22mm +0
0586-0-326	26mm -3
0586-0-026	26mm +0
0586-5-026	26mm +5
0586-0-328	28mm -3
0586-0-028	28mm +0
0586-5-028	28mm +5

0586-0-330	30mm -3
0586-0-030	30mm +0
0586-5-030	30mm +5
0586-0-332	32mm -3
0586-0-032	32mm +0
0586-5-032	32mm +5



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V40™ Implants

V40™ Implants

Exeter™ V40™ Stem 2002 - current

- Modular stem
- Material Orthinox™ stainless steel
- Stryker V40™ spigot

The benefits of the V40™ spigot are:

- Increased range of motion
- Option of advance bearings

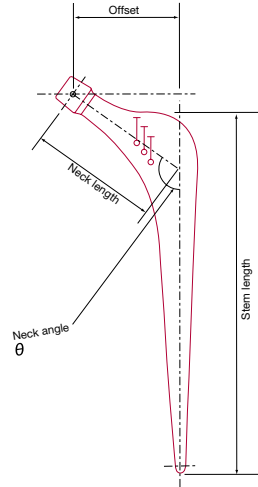
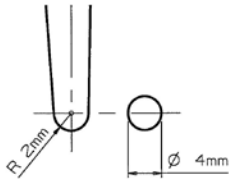


Exeter™ V40™ Stem 2002 - current

Diameter of head	Nominal Range of Motion (ROM)		
	Previous Exeter™ Stem	Exeter™ V40™ Stem	Increase in ROM
22.2mm	98°	110°	+12°
26mm	111°	120°	+9°
28mm	116°	125°	+9°
32mm	120°	128°	+8°

V40™ Exeter™ general dimensions

- Neck angle $125^\circ \theta$
- Stem length is measured from stem tip to shoulder
- Vertical height from centre of rotation of head to shoulder = 7.5mm
- Stem tips



V40™ Exeter™ - offset & leg length tables

	Change in leg length/mm								
Head (neck length)	-4	-3	-2	0	2	3	4	5	8
Change in leg length	-2.29	-1.72	-1.15	0.00	1.15	1.72	2.29	2.87	4.59

	Change in offset/mm								
Head (neck length)	-4	-3	-2	0	2	3	4	5	8
Change in offset from base offset	-3.28	-2.46	-1.64	0.00	1.64	2.46	3.28	4.10	6.55

As all Exeter™ stems have 125° neck angle, the combination of a V40™ head makes the same change no matter which stem is used.

The ability to change leg length and offset once the stem is cemented in situ gives intra operative flexibility to allow for Anatomic Restoration.

Exeter™ V40™ Primary Standard Stem Range

The Exeter™ Primary Standard stem range comprises of the 37.5, 44, 50 and 56mm offset stems.

These stems are designed to allow for Anatomic Restoration for the majority of patients with all forms of arthritis.



Exeter™ V40™ Primary Standard Stem Range - general dimensions

Reference	Description	Stem length	Offset	Neck length
0580-1-352	EXETER V40. STEM - 37.5MM N°0	150	37.5	45.8
0580-1-371	EXETER V40. STEM - 37.5MM N°1	150	37.5	45.8
0580-1-372	EXETER V40. STEM - 37.5MM N°2	150	37.5	45.8
0580-1-373	EXETER V40. STEM - 37.5MM N°3	150	37.5	45.8
0580-1-374	EXETER V40. STEM - 37.5MM N°4	150	37.5	45.8
0580-1-440	EXETER V40. STEM - 44MM N°0	150	44	53.7
0580-1-441	EXETER V40. STEM - 44MM N°1	150	44	53.7
0580-1-442	EXETER V40. STEM - 44MM N°2	150	44	53.7
0580-1-443	EXETER V40. STEM - 44MM N°3	150	44	53.7

Exeter™ V40™ Primary Standard Stem Range - general dimensions

Reference	Description	Stem length	Offset	Neck length
0580-1-444	EXETER V40. STEM - 44MM N°4	150	44	53.7
0580-1-445	EXETER V40. STEM - 44MM N°5	150	44	53.7
0580-1-446	EXETER V40. STEM - 44MM N°6	150	44	53.7
0580-1-501	EXETER V40. STEM - 50MM N°1	150	50	61.1
0580-1-502	EXETER V40. STEM - 50MM N°2	150	50	61.1
0580-1-503	EXETER V40. STEM - 50MM N°3	150	50	61.1
0580-1-504	EXETER V40. STEM - 50MM N°4	150	50	61.1
0580-1-505	EXETER V40. STEM - 50MM N°5	150	50	61.1
0580-1-561	EXETER V40. STEM - 56MM N°1	150	56	68.4
0580-1-562	EXETER V40. STEM - 56MM N°2	150	56	68.4



Exeter™ V40™ DDH Stems

The DDH stems have been designed to allow Anatomic Restoration during hip arthroplasty in patients with a small offset.

- DDH
- Asiatic Population
- Juvenile arthritis



Exeter™ V40™ DDH Stems - general dimensions

Reference	Description	Stem length	Offset	Neck length
0580-1-300	EXETER V40. STEM - 30MM	95	30	36.6
0580-1-330	EXETER V40. STEM - 33MM	115	33	40.3
0580-1-351	EXETER V40. STEM - 35.5MM	126	35.5	43.4

Exeter™ V40™ Short Revision Stem

The short revision stem is a revision stem design to fit into an existing cement mantle with an uncompromised bone cement interface.

The Exeter™ short revision stem can be used to:

- Improve acetabular exposure with stem revision
- Exchange a monoblock stem to give the benefits of modularity
- Change version to correct instability or leg length discrepancy



Exeter™ V40™ Short Revision Stem - general dimensions

Reference	Description	Stem length	Offset	Neck length
0580-1-044	EXETER V40 STEM - 44MM	125	44	53.7

Exeter™ V40™ Long Revision Stems

Available in fully tapered and distally cylindrical for use with impaction bone grafting or cement alone.

The stems are designed to give bypass fixation in difficult revision cases.



Exeter™ V40™ Long Revision Stem - general dimensions

Reference	Description	Stem length	Offset	Neck length
0580-1-321	EXETER V40. STEM - 205MM TAPERED 37.5 N°1	197.5	37.5	45.8
0580-3-422	EXETER V40. STEM - 205MM TAPERED 44 N°2	197.5	44	53.7
0580-1-200	EXETER V40. STEM - 200MM 44N°3	194.5	44	53.7
0580-1-220	EXETER V40. STEM - 220MM 44N°3	214.5	44	53.7
0580-1-240	EXETER V40. STEM - 240MM 44N°3	234.5	44	53.7
0580-1-260	EXETER V40. STEM - 260MM 44N°3	254.5	44	53.7

Exeter™ V40™ Stems

Depth markings

The iconic depth markings on the proximal part of the Exeter™ stem are spaced 4mm apart, when measured vertically to give a guide as the stem is inserted on the change in leg length.

The markings are also on the instrumentation.



Exeter™ V40™ Stems

Centraliser

Possibly the most important part of the Exeter™ total hip system. These centralisers allow the stem to subside within the cement mantle without end bearing, resulting in optimum load transfer. Available in wingless (for narrower canals) and winged variants. Made from PMMA.



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Heads



Heads

V40™ Head options

Orthinox™

Stainless steel heads. The original Exeter™ heads made from the same material.

LFIT™

Cobalt chrome heads, treated with low friction ion treatment to improve smoothness, increase wettability and improve wear. The perfect bearing couple for X3.



V40™ Head options

Alumina ceramic

The original ceramic offering, this can be used as a couple with the Trident ceramic liner.

Delta ceramic

Zirconia toughened alumina.



V40™ Heads

	Stainless steel		Alumina ceramic		Cobalt chrome LFIT		Delta ceramic	
22mm	6364-2-022	22.2 (-2)			6260-9-122	22 (0)		
	6364-2-122	22 (0)			6260-9-222	22 (+3)		
	6364-2-222	22 (+3)			6260-9-322	22 (+8)		
	6364-2-322	22.2 (+8)						
26mm	6364-2-026	26 (-3)			6260-9-026	26 (-3)		
	6364-2-126	26 (0)			6260-9-126	26 (0)		
	6364-2-226	26 (+4)			6260-9-226	26 (+4)		
	6364-2-326	26 (+8)			6260-9-326	26 (+8)		
28mm	6364-2-028	28 (-3)	6565-0-028	28 (-2.7)	6260-9-028	28 (-4)	6570-0-028	28(-4)
	6364-2-128	28 (0)	6565-0-128	28 (0)	6260-9-128	28 (0)	6570-0-328	28(-2.7)
	6364-2-228	28 (+4)	6565-0-228	28 (+4)	6260-9-228	28 (+4)	6570-0-128	28(0)
	6364-2-628	28(+6)			6260-9-328	28 (+8)	6570-0-228	28(+4)
	6364-2-328	28 (+8)						

	Stainless steel		Alumina ceramic		Cobalt chrome LFIT		Delta ceramic	
30mm	6364-2-030	30 (-4)						
	6364-2-130	30 (0)						
	6364-2-230	30 (+4)						
32mm	6364-2-032	32 (-4)	6565-0-032	32 (-4)	6260-9-032	32 (-4)	6570-0-032	32(-4)
	6364-2-132	32 (0)	6565-0-132	32 (0)	6260-9-132	32 (0)	6570-0-132	32(0)
	6364-2-232	32 (+4)	6565-0-232	32 (+4)	6260-9-232	32 (+4)	6570-0-232	32(+4)
	6364-2-332	32 (+8)			6260-9-332	32 (+8)		
36mm	6364-2-036	36 (-5)	6565-0-036	36 (-5)	6260-9-036	36 (-5)	6570-0-036	36 (-5)
							6570-0-436	36 (-2.5)
	6364-2-136	36 (0)	6565-0-136	36 (0)	6260-9-136	36 (0)	6570-0-136	36 (0)
							6570-0-536	36 (2.5)
	6364-2-236	36 (+5)	6565-0-236	36 (+5)	6260-9-236	36 (+5)	6570-0-236	36 (+5)

	Stainless steel	Alumina ceramic	Cobalt chrome LFIT	Delta ceramic
40mm			6260-9-040	40 (-4)
			6260-9-140	40 (0)
			6260-9-240	40 (+4)
44mm			6260-9-044	44 (-4)
			6260-9-144	44 (0)
			6260-9-244	44 (+4)





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