



Zimmer® Cannulated Screw System



Strength and Accuracy
“Solutions in Your Hands”

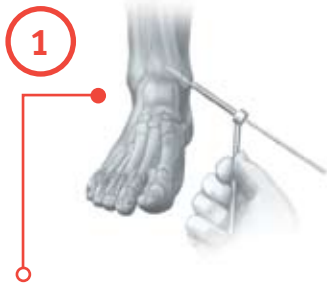


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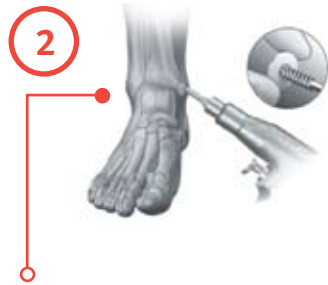
Designed to address most clinical situations and place multiple, intraoperative solutions in the surgeon's hands

- Sizes range from 3.0mm to 7.5mm in diameter, and lengths up to 180mm.
- Partially threaded and fully threaded designs in a comprehensive size offering allow the surgeon to cover the spectrum of applications.

Simplicity and Efficiency in Technique



1 Use the Guide Wire cannula in the Adjustable Parallel Pin Guide or Percutaneous Pin Guide to help place one or more guide wires.



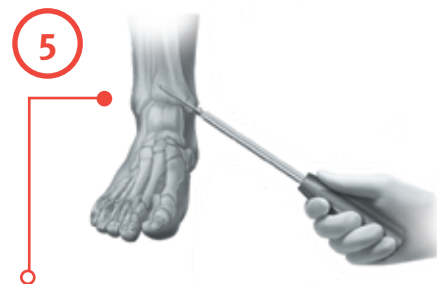
2 Use the Cannulated Countersink over the guide wire to allow the screw head to recess into the bone (optional). Note: If a washer is to be used, omit countersinking and place washer on screw prior to insertion (see insert).



3 Measure for screw length using the depth gauge placed over the guide wire, touching the cortex.



4 Drill using the appropriate Cannulated Drill over the guide wire (optional) to the desired depth.

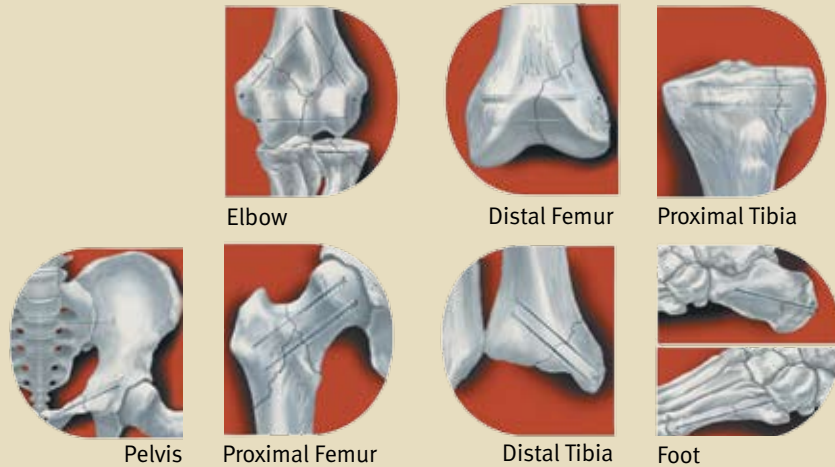


5 Use the Cannulated Tap to cut the threads for the screw to the proper depth (optional). Then drive the cannulated screw over the guide wire using the Cannulated Screwdriver. Remove the guide wire after seating the screw.

Minimally Invasive, Easy to Use

Minimally invasive instrumentation and surgical technique are designed to minimize additional trauma through percutaneous guides and small incisions.





Strength



Zimmer 4.0mm Screw Competition 4.0mm Screw

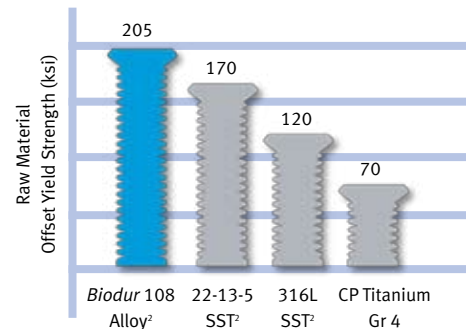
Deeper Threads

Biodur 108 Alloy allows the Zimmer Cannulated System to feature deeper threads without compromising strength.

Self-drilling and self-tapping thread design allows for ease of insertion. Reverse cutting flutes aid in ease of removal.

Screw Size	Torsional Strength (in-lb)		Axial Pull Out (peak lb)		3 Point Bending (off yield load lb)	
	Zimmer	Synthes	Zimmer	Synthes	Zimmer	Synthes
3.0mm	8.4	6.5	122.1	122.6	33.2	25.0
3.5mm	23.0	16.3	135.2	98.6	80.6	57.9
4.0mm	18.1	14.0	213.1	191.0	76.2	56.5
4.5mm	33.5	22.1	246.2	213.6	272.1	218.9
5.5mm	63.0	N/A	256.0	N/A	316.2	N/A
6.5mm	106.3	N/A	263.8	N/A	236.5	N/A
7.0mm	143.9	93.5	308.0	318.1	272.2	218.9
7.5mm	132.7	91.9	308.4	262.3	310.5	205.4

Low-Nickel Biodur¹ Alloy is 20% Stronger Than 22-13-5 Stainless Steel.



¹ Biodur is a Registered Trademark of CRS Holdings, Inc.

² 30% Cold Work

Accuracy

Biodur 108 Alloy allows the Zimmer Cannulated System to feature larger cannulation without compromising screw strength.

- The larger cannulation accommodates a larger/stiffer guide wire.
- The guide wire's enhanced strength and stiffness help to protect it from skiving, deflecting, or walking on the bone.
- This affords greater accuracy in guide wire placement and screw insertion.

Screw Size (mm)	Cannula Dia. (in.)	Guide Wire (mm)
3.0	1.35	1.25
3.5	1.7	1.6
4.0	1.7	1.6
4.5	2.5	2.4
5.5	2.5	2.4
6.5	3.4	3.2
7.0	3.4	3.2
7.5	3.4	3.2

Order Information

Zimmer Cannulated Screw System

Implants (Screws)

Screws 8mm to 30mm are available in 1mm increments
Screws 32mm to 50mm are available in 2mm increments

Prod. No.	Description
00-1147-008-30 Through	Screw, 3.0mm x 8mm, 1/3 Thread Through
00-1147-050-30	Screw, 3.0mm x 50mm, 1/3 Thread
00-1147-008-31 Through	Screw, 3.0mm x 8mm, 1/2 Thread Through
00-1147-050-31	Screw, 3.0mm x 50mm, 1/2 Thread

Screws 10mm to 50mm are available in 2mm increments
Screws 55mm to 100mm are available in 5mm increments

00-1147-010-35 Through	Screw, 3.5mm x 10mm, Partial Thread Through
00-1147-100-35	Screw, 3.5mm x 100mm, Partial Thread
00-1147-010-36 Through	Screw, 3.5mm x 10mm, Full Thread Through
00-1147-100-36	Screw, 3.5mm x 100mm, Full Thread
00-1147-010-40 Through	Screw, 4.0mm x 10mm, 1/3 Thread Through
00-1147-100-40	Screw, 4.0mm x 100mm, 1/3 Thread
00-1147-010-41 Through	Screw, 4.0mm x 10mm, 1/2 Thread Through
00-1147-100-41	Screw, 4.0mm x 100mm, 1/2 Thread

Screws 20mm to 72mm are available in 2mm increments
Screws 75mm to 100mm are available in 5mm increments

00-1147-020-45 Through	Screw, 4.5mm x 20mm, 1/3 Thread Through
00-1147-100-45	Screw, 4.5mm x 100mm, 1/3 Thread
00-1147-020-46 Through	Screw, 4.5mm x 20mm, Full Thread Through
00-1147-100-46	Screw, 4.5mm x 100mm, Full Thread

Screws are available in 5mm increments

00-1147-045-55 Through	Screw, 5.5mm x 45mm, 16mm Thread Through
00-1147-100-55	Screw, 5.5mm x 100mm, 16mm Thread
00-1147-045-56 Through	Screw, 5.5mm x 45mm, 32mm Thread Through
00-1147-100-56	Screw, 5.5mm x 100mm, 32mm Thread
00-1147-045-57 Through	Screw, 5.5mm x 45mm, Full Thread Through
00-1147-100-57	Screw, 5.5mm x 100mm, Full Thread
00-1147-030-65 Through	Screw, 6.5mm x 30mm, 16mm Thread Through
00-1147-150-65	Screw, 6.5mm x 150mm, 16mm Thread
00-1147-045-66 Through	Screw, 6.5mm x 45mm, 32mm Thread Through
00-1147-150-66	Screw, 6.5mm x 150mm, 32mm Thread
00-1147-020-67 Through	Screw, 6.5mm x 20mm, Full Thread Through
00-1147-150-67	Screw, 6.5mm x 150mm, Full Thread
00-1147-030-70 Through	Screw, 7.0mm x 30mm, 16mm Thread Through
00-1147-150-70	Screw, 7.0mm x 150mm, 16mm Thread
00-1147-045-71 Through	Screw, 7.0mm x 45mm, 32mm Thread Through
00-1147-150-71	Screw, 7.0mm x 150mm, 32mm Thread

00-1147-020-72 Through	Screw, 7.0mm x 20mm, Full Thread Through
00-1147-180-72	Screw, 7.0mm x 180mm, Full Thread
00-1147-060-75 Through	Screw, 7.5mm x 60mm, 16mm Thread Through
00-1147-120-75	Screw, 7.5mm x 120mm, 16mm Thread
00-1147-060-76 Through	Screw, 7.5mm x 60mm, 32mm Thread Through
00-1147-120-76	Screw, 7.5mm x 120mm, 32mm Thread

Cannulated Screw Sets (Head)

Prod. No.	Description
00-1147-001-30	3.0mm 1/3 Thread Cannulated Screw Set Std
00-1147-002-30	3.0mm 1/2 Thread Cannulated Screw Set Std
00-1147-001-35	3.5mm Partial Thread Cannulated Screw Set Std
00-1147-002-35	3.5mm Full Thread Cannulated Screw Set Std
00-1147-001-40	4.0mm 1/3 Thread Cannulated Screw Set Std
00-1147-002-40	4.0mm 1/2 Thread Cannulated Screw Set Std
00-1147-001-45	4.5mm 1/3 Thread Cannulated Screw Set Std
00-1147-002-45	4.5mm Full Thread Cannulated Screw Set Std
00-1147-001-55	5.5mm 16mm Thread Cannulated Screw Set Std
00-1147-002-55	5.5mm 32mm Thread Cannulated Screw Set Std
00-1147-003-55	5.5mm Full Thread Cannulated Screw Set Std
00-1147-001-65	6.5mm 16mm Thread Cannulated Screw Set Std
00-1147-002-65	6.5mm 32mm Thread Cannulated Screw Set Std
00-1147-003-65	6.5mm Full Thread Cannulated Screw Set Std
00-1147-001-70	7.0mm 16mm Thread Cannulated Screw Set Std
00-1147-002-70	7.0mm 32mm Thread Cannulated Screw Set Std
00-1147-003-70	7.0mm Full Thread Cannulated Screw Set Std
00-1147-000-73	7.0mm Extended Thread Cannulated Screw Set
00-1147-001-75	7.5mm 16mm Thread Cannulated Screw Set Std
00-1147-002-75	7.5mm 32mm Thread Cannulated Screw Set Std
00-1147-003-75	7.5mm Full Thread Cannulated Screw Set Std
00-1147-000-78	7.5mm Extended Thread Cannulated Screw Set

Implants (Washers)

Prod. No.	Description	Used With
00-1147-095-00	Washer	3.0mm Screw (1 ea.)
00-1147-096-00	Washer	3.5, 4.0mm Screws (1 ea.)
00-1147-097-00	Washer	4.5mm Screw (1 ea.)
00-1147-098-00	Washer	5.5 thru 7.5mm Screws (1 ea.)
00-1147-099-00	Washer	7.0 thru 7.5mm Extended Thread Screws (1 ea.)

Instrument Sets (Includes Washers)

Prod. No.	Description
00-1147-000-30	Cannulated Screw, 3.0mm Instruments
00-1147-000-35	Cannulated Screw, 3.5, 4.0mm Instruments
00-1147-000-45	Cannulated Screw, 4.5mm Instruments
00-1147-000-55	Cannulated Screw, 5.5mm Instruments
00-1147-000-65	Cannulated Screw, 6.5mm Instruments
00-1147-000-70	Cannulated Screw, 7.0mm Instruments
00-1147-000-75	Cannulated Screw, 7.5mm Instruments

Manufactured
by



Contact your Zimmer representative or visit us at www.zimmer.com



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