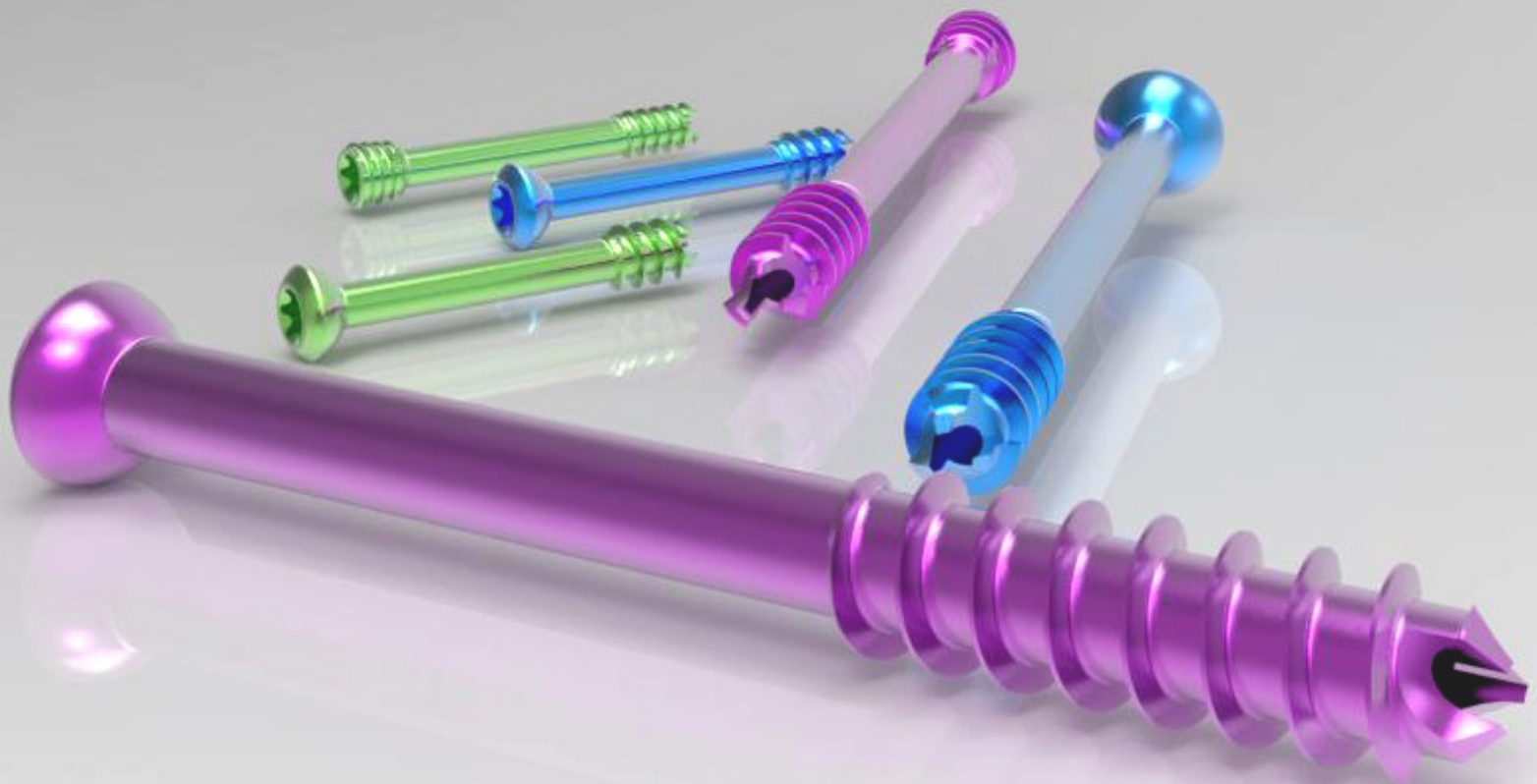




ORION Screw System

PRODUCT INFORMATION





ORION

SCREW SYSTEM

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HNMM
TOTAL RECON

HNM Total Recon is committed in providing surgeons and health care professionals with advanced surgical solutions for effective and time-saving treatment of their patients. Our most important task is meeting surgeons' needs. We accomplish this by creating key partnerships and driving innovative product development.



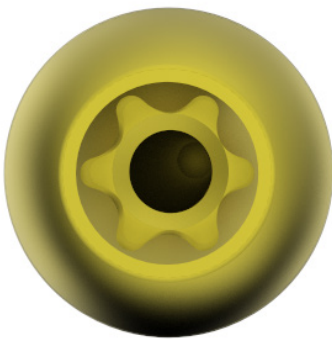
ORION 2.0 HEADED

SCREW SYSTEM

INDICATIONS

The Orion Headed Screws are indicated for use in bone reconstruction, osteotomy, arthrodesis, joint fusion, fracture repair, and fracture fixation of bones appropriate for the size of the device. Screws are intended for single use only.

Torx connection drive for greater torque control and engagement

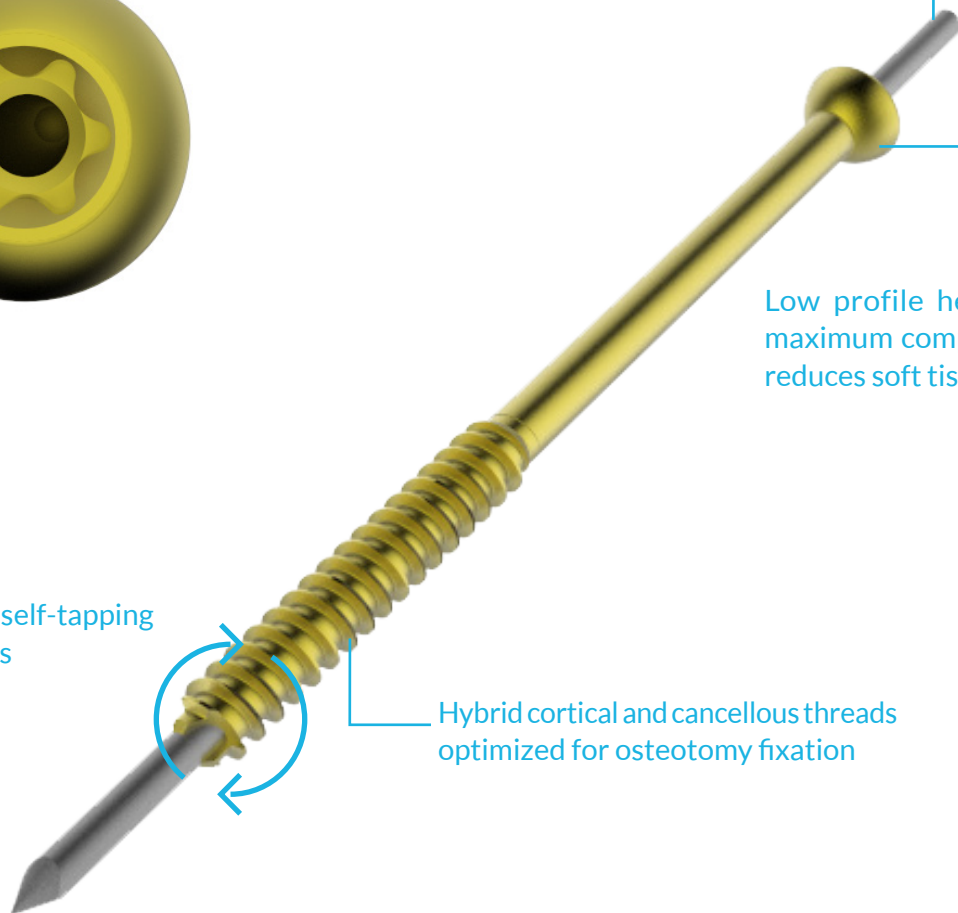


Cannulation to allow for precise insertion using a 1.1mm guidewire

Low profile head delivers maximum compression and reduces soft tissue irritation

Self-drilling and self-tapping triple cutting tips

Hybrid cortical and cancellous threads optimized for osteotomy fixation





SYSTEM ADVANTAGES

- Low profile head cannulated titanium implants with Torx connection drive
- Self-retaining Torx driver provides improved engagement and reduced head stripping
- Modular caddy system contains implants and implant-specific guidewires, cannulated drills, countersink and drivers
- Complete range of implants sizes in 2mm increments from 12mm to 22mm screw lengths
- Screws incorporate self-drilling and self-tapping features
- Quick connect instrumentation with ratcheting handles
- Multiple thread lengths available upon request

SCREWS

ORION Ø2.0MM HEADED SCREW

LONG THREAD

Length	Item #
12mm	HTR-04-204212
14mm	HTR-04-204314
16mm	HTR-04-204416
18mm	HTR-04-204518
20mm	HTR-04-204620
22mm	HTR-04-204722
24mm	HTR-04-204824
26mm	HTR-04-204926
28mm	HTR-04-204128
30mm	HTR-04-204230
32mm	HTR-04-204332
34mm	HTR-04-204434
36mm	HTR-04-204536
38mm	HTR-04-204638
40mm	HTR-04-204740





INSTRUMENTATION

BASIC INSTRUMENTS

Item #	Description	Qty
HTR-04-004340	ø2.5/3.0mm Headless Screw Countersink	1
HTR-04-009140	ø2.5/3.0mm Headed Screw Countersink	1
HTR-04-009203	ø1.1mm K-Wire - (L)6", Smooth, Single Trocar/Round End	10
HTR-04-009411	T8 Torx Driver, Cannulated, for ø1.1 K-Wire, AO Quick Coupling	2
HTR-04-009452	ø1.1mm K-Wire Dispenser	1
HTR-04-009508	Mini Fixed Handle, AO Quick Coupling	2
HTR-04-009600	Tray for ORION 2.5/3.0mm Screw System	1
HTR-04-009625	Tissue Protector for ø1.1mm and ø2.0mm	1
HTR-04-009735	Depth Gauge - (L) 6"	2
HTR-04-129816	ø2.0mm Drill Bit, Cannulated, AO Quick Coupling - (L) 6"	2
HTR-04-009102	ø0.9mm K-Wire - (L)6", Smooth, Single Trocar/Round End	10
HTR-04-009138	ø2.0mm Headed Screw Countersink	1
HTR-04-009310	T6 Torx Driver, Cannulated, for ø0.9 K-Wire, AO Quick Coupling	2
HTR-04-009351	ø0.9mm K-Wire Dispenser	1
HTR-04-009524	Tissue Protector for ø0.9mm and ø1.6mm	1
HTR-04-609893	ø1.6mm Drill Bit, Cannulated, AO Quick Coupling	2





ORION 2.5/3.0 HEADED

SCREW SYSTEM

INDICATIONS

The Orion Headed Screws are indicated for use in bone reconstruction, osteotomy, arthrodesis, joint fusion, fracture repair, and fracture fixation of bones appropriate for the size of the device. Screws are intended for single use only.

Torx connection drive for greater torque control and engagement

Cannulation to allow for precise insertion using a 1.1mm guidewire

Self-drilling and self-tapping triple cutting tips

Low profile head delivers maximum compression and reduces soft tissue irritation

Hybrid cortical and cancellous threads optimized for osteotomy fixation

SYSTEM ADVANTAGES

- Low profile head cannulated titanium implants with Torx connection drive
- Self-retaining Torx driver provides improved engagement and reduced head stripping



- Modular caddy system contains implants and implant-specific guidewires, cannulated drills, countersink and drivers
- Complete range of implants sizes in 2mm increments from 12mm to 22mm screw lengths
- Screws incorporate self-drilling and self-tapping features
- Quick connect instrumentation with ratcheting handles
- Multiple thread lengths available upon request

SCREWS

ORION Ø 2.5MM HEADED SCREW



SHORT THREAD

Length	Item #
12mm	HTR-04-254112
14mm	HTR-04-254214
16mm	HTR-04-254316
18mm	HTR-04-254418
20mm	HTR-04-254520
22mm	HTR-04-254622



LONG THREAD

Length	Item #
12mm	HTR-04-254712
14mm	HTR-04-254814
16mm	HTR-04-254116
18mm	HTR-04-255018
20mm	HTR-04-254920
22mm	HTR-04-254222
24mm	HTR-04-254324
26mm	HTR-04-254426
28mm	HTR-04-254528
30mm	HTR-04-254630
32mm	HTR-04-254732
34mm	HTR-04-254834
36mm	HTR-04-254936
38mm	HTR-04-255038
40mm	HTR-04-254140

ORION Ø 3.0MM HEADED SCREW



SHORT THREAD

Length	Item #
12mm	HTR-04-304712
14mm	HTR-04-304814
16mm	HTR-04-304916
18mm	HTR-04-304118
20mm	HTR-04-304220
22mm	HTR-04-304322



LONG THREAD

Length	Item #
12mm	HTR-04-304812
14mm	HTR-04-304914
16mm	HTR-04-304116
18mm	HTR-04-304218
20mm	HTR-04-304320
22mm	HTR-04-304422
24mm	HTR-04-304524
26mm	HTR-04-304626
28mm	HTR-04-304728
30mm	HTR-04-304830
32mm	HTR-04-304932
34mm	HTR-04-304134
36mm	HTR-04-304236
38mm	HTR-04-304338
40mm	HTR-04-304440



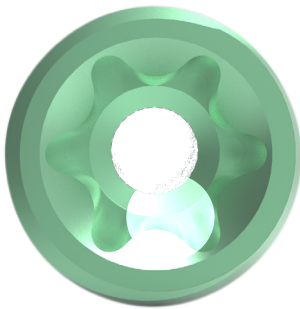
ORION 2.5/3.0 HEADLESS

SCREW SYSTEM

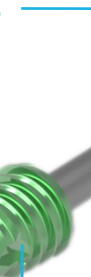
INDICATIONS

The Orion Headless Screws are indicated for use in bone reconstruction, osteotomy, arthrodesis, joint fusion, fracture repair, and fracture fixation of bones appropriate for the size of the device. Screws are intended for single use only.

Torx connection drive for greater torque control and engagement



Cannulation to allow for precise insertion using a 1.1mm guidewire

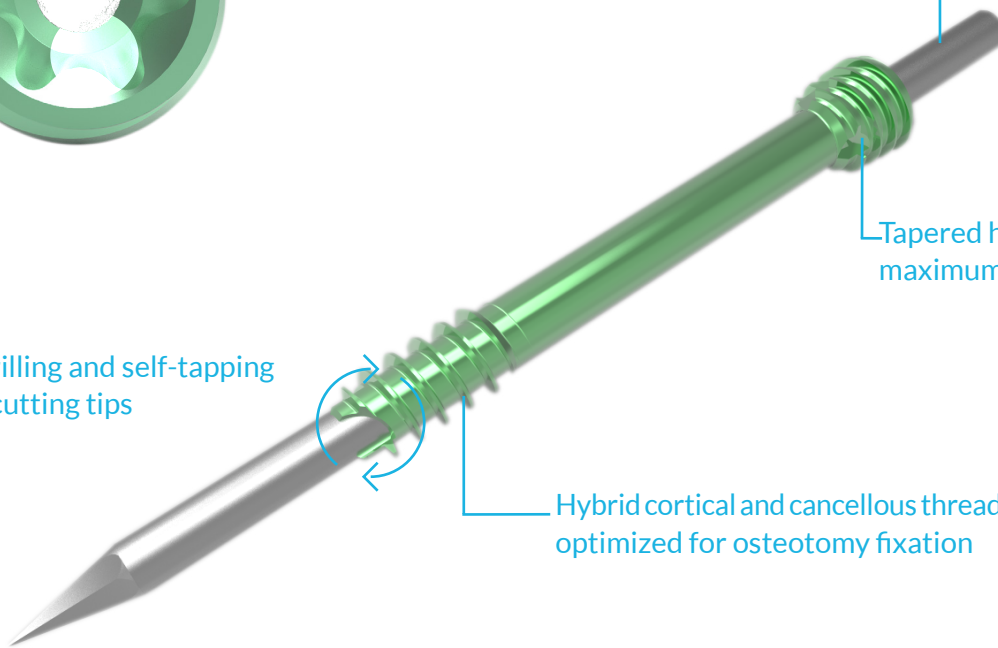


Tapered head to deliver a maximum compression

Self-drilling and self-tapping triple cutting tips



Hybrid cortical and cancellous threads optimized for osteotomy fixation



SYSTEM ADVANTAGES

- Tapered head to deliver maximum compression
- Cannulated titanium implants with Torx connection drive
- Self-retaining Torx driver provides improved engagement and reduced head stripping
- Modular caddy system contains implants and implant-specific guidewires, cannulated drills, countersink and drivers
- Complete range of implants sizes in 2mm increments from 12mm to 22mm screw lengths
- Screws incorporate self-drilling and self-tapping features
- Quick connect instrumentation with ratcheting handles
- Multiple thread lengths available upon request



SCREWS

ORION Ø 2.5MM HEADLESS SCREW

SHORT THREAD



Length	Item #
12mm	HTR-04-254512
14mm	HTR-04-254714
16mm	HTR-04-254916
18mm	HTR-04-254218
20mm	HTR-04-254120
22mm	HTR-04-254822
24mm	HTR-04-254924
26mm	HTR-04-254126
28mm	HTR-04-254228
30mm	HTR-04-254330
32mm	HTR-04-254432
34mm	HTR-04-254534
36mm	HTR-04-254636
38mm	HTR-04-254738
40mm	HTR-04-254840

LONG THREAD



Length	Item #
12mm	HTR-04-254912
14mm	HTR-04-254114
16mm	HTR-04-254216
18mm	HTR-04-254318
20mm	HTR-04-254420
22mm	HTR-04-254522

ORION Ø 3.0MM HEADLESS SCREW

SHORT THREAD



Length	Item #
12mm	HTR-04-300312
14mm	HTR-04-300514
16mm	HTR-04-300716
18mm	HTR-04-300918
20mm	HTR-04-300220
22mm	HTR-04-300422
24mm	HTR-04-300524
26mm	HTR-04-300626
28mm	HTR-04-300728
30mm	HTR-04-300830
32mm	HTR-04-300932
34mm	HTR-04-301034
36mm	HTR-04-300136
38mm	HTR-04-300238
40mm	HTR-04-300340

LONG THREAD



Length	Item #
12mm	HTR-04-300412
14mm	HTR-04-300114
16mm	HTR-04-300616
18mm	HTR-04-300718
20mm	HTR-04-300820
22mm	HTR-04-300922
24mm	HTR-04-300524



INSTRUMENTATION



BASIC INSTRUMENTS

Item #	Description	Qty
HTR-04-004340	ø2.5/3.0mm Headless Screw Countersink	1
HTR-04-009140	ø2.5/3.0mm Headed Screw Countersink	1
HTR-04-009203	ø1.1mm K-Wire - (L)6", Smooth, Single Trocar/Round End	10
HTR-04-009411	T8 Torx Driver, Cannulated, for ø1.1 K-Wire, AO Quick Coupling	2
HTR-04-009452	ø1.1mm K-Wire Dispenser	1
HTR-04-009508	Mini Fixed Handle, AO Quick Coupling	2
HTR-04-009600	Tray for ORION 2.5/3.0mm Screw System	1
HTR-04-009625	Tissue Protector for ø1.1mm and ø2.0mm	1
HTR-04-009735	Depth Gauge - (L) 6"	2
HTR-04-129816	ø2.0mm Drill Bit, Cannulated, AO Quick Coupling - (L) 6"	2
HTR-04-009102	ø0.9mm K-Wire - (L)6", Smooth, Single Trocar/Round End	10
HTR-04-009138	ø2.0mm Headed Screw Countersink	1
HTR-04-009310	T6 Torx Driver, Cannulated, for ø0.9 K-Wire, AO Quick Coupling	2
HTR-04-009351	ø0.9mm K-Wire Dispenser	1
HTR-04-009524	Tissue Protector for ø0.9mm and ø1.6mm	1
HTR-04-609893	ø1.6mm Drill Bit, Cannulated, AO Quick Coupling	2

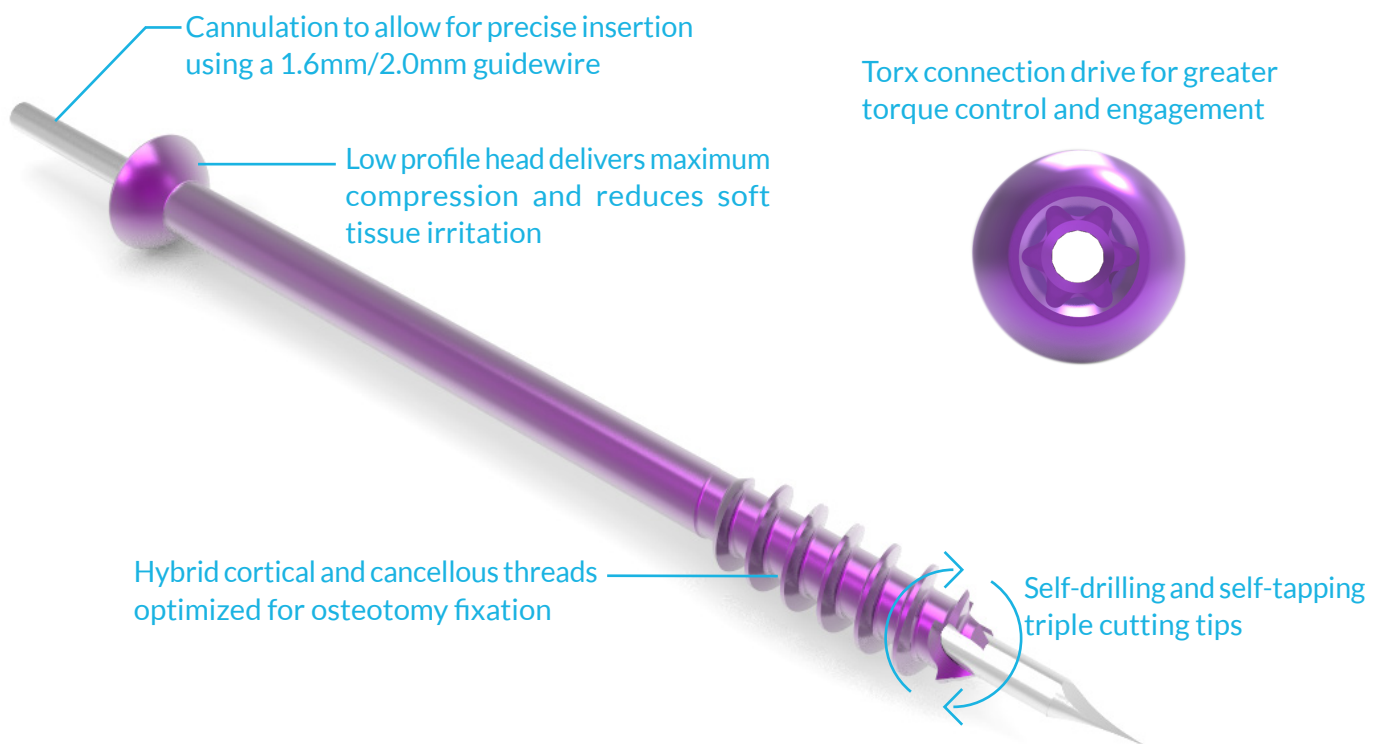


ORION 4.0/4.5/6.5 HEADED

SCREW SYSTEM

INDICATIONS

The Orion Headed Screws are indicated for use in bone reconstruction, osteotomy, arthrodesis, joint fusion, fracture repair, and fracture fixation of bones appropriate for the size of the device. Screws are intended for single use only.



SYSTEM ADVANTAGES

- Low profile head cannulated titanium implants with Torx connection drive
- Self-retaining Torx driver provides improved engagement and reduced head stripping
- Modular caddy system contains implants and implant-specific guidewires, cannulated drills, countersink and drivers
- Complete range of Ø 4.5mm implant sizes in 2mm increments from 20mm to 40mm and 5mm increments from 40mm to 110mm screw lengths
- Complete range of Ø 6.5mm implant sizes in 2mm increments from 30mm to 40mm and 5mm increments from 40mm to 120mm screw lengths
- Screws incorporate self-drilling and self-tapping features
- Quick connect instrumentation with ratcheting handles
- Multiple thread lengths available



SCREWS

ORION Ø 4.0M HEADED SCREW

SHORT THREAD



Length	Item #
14mm	HTR-04-404614
16mm	HTR-04-404716
18mm	HTR-04-404818
20mm	HTR-04-404920
22mm	HTR-04-405022
24mm	HTR-04-404224
26mm	HTR-04-404326
28mm	HTR-04-404428
30mm	HTR-04-404530
32mm	HTR-04-404632
34mm	HTR-04-404734
36mm	HTR-04-404836
38mm	HTR-04-404938
40mm	HTR-04-404140
42mm	HTR-04-405042
44mm	HTR-04-404144
46mm	HTR-04-404246
48mm	HTR-04-404348
50mm	HTR-04-404450
55mm	HTR-04-404555
60mm	HTR-04-404660



SCREWS

ORION Ø 4.5MM HEADED SCREW

SHORT THREAD



Length	Item #
30mm	HTR-04-454930
32mm	HTR-04-454132
34mm	HTR-04-454234
36mm	HTR-04-454336
38mm	HTR-04-454438
40mm	HTR-04-454540
45mm	HTR-04-454645
50mm	HTR-04-454750
55mm	HTR-04-454855
60mm	HTR-04-454960
65mm	HTR-04-454165
70mm	HTR-04-454270
75mm	HTR-04-454375
80mm	HTR-04-454480
85mm	HTR-04-454585
90mm	HTR-04-454690
95mm	HTR-04-454795
100mm	HTR-04-454800
105mm	HTR-04-454905
110mm	HTR-04-454110

LONG THREAD



Length	Item #
30mm	HTR-04-454730
32mm	HTR-04-454832
34mm	HTR-04-454934
36mm	HTR-04-454136
38mm	HTR-04-454238
40mm	HTR-04-454340
45mm	HTR-04-454945
50mm	HTR-04-454450
55mm	HTR-04-454555
60mm	HTR-04-454660
65mm	HTR-04-454765
70mm	HTR-04-454870
75mm	HTR-04-454975
80mm	HTR-04-454180
85mm	HTR-04-454285
90mm	HTR-04-454390
95mm	HTR-04-454495
100mm	HTR-04-454500
105mm	HTR-04-454605
110mm	HTR-04-454710



SCREWS

ORION Ø 6.5MM HEADED SCREW

SHORT THREAD



Length	Item #
30mm	HTR-04-654130
32mm	HTR-04-654232
34mm	HTR-04-654334
36mm	HTR-04-654436
38mm	HTR-04-654538
40mm	HTR-04-654640
45mm	HTR-04-654745
50mm	HTR-04-654850
55mm	HTR-04-654955
60mm	HTR-04-654160
65mm	HTR-04-654265
70mm	HTR-04-654370
75mm	HTR-04-654475
80mm	HTR-04-654580
85mm	HTR-04-654685
90mm	HTR-04-654790
95mm	HTR-04-654895
100mm	HTR-04-654900
105mm	HTR-04-654105
110mm	HTR-04-654210

LONG THREAD



Length	Item #
30mm	HTR-04-654530
32mm	HTR-04-654632
34mm	HTR-04-654734
36mm	HTR-04-654836
38mm	HTR-04-654938
40mm	HTR-04-654140
45mm	HTR-04-654245
50mm	HTR-04-654350
55mm	HTR-04-654455
60mm	HTR-04-654560
65mm	HTR-04-654665
70mm	HTR-04-654770
75mm	HTR-04-654875
80mm	HTR-04-654980
85mm	HTR-04-654185
90mm	HTR-04-654290
95mm	HTR-04-654395
100mm	HTR-04-654400
105mm	HTR-04-654505
110mm	HTR-04-654610

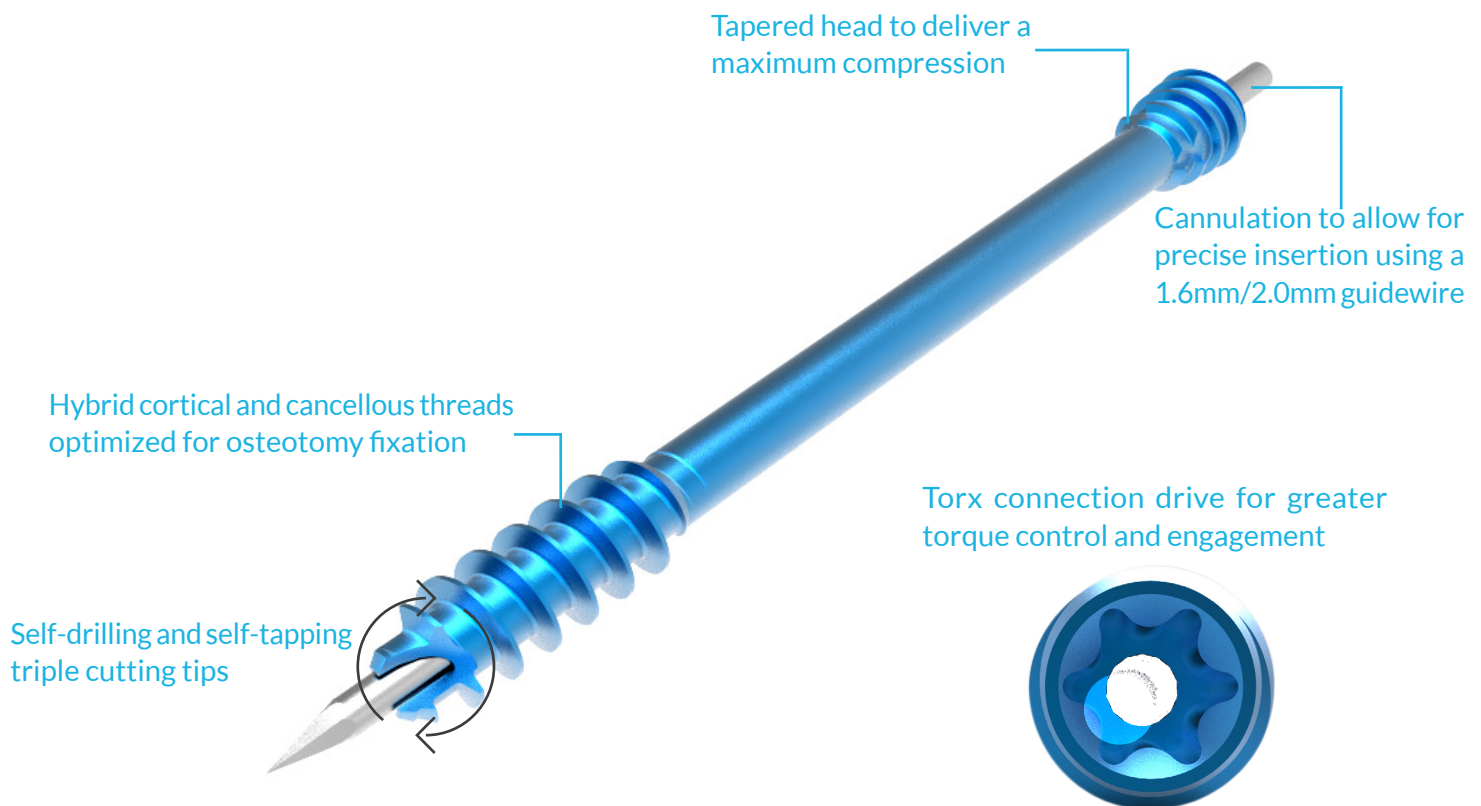


ORION 4.0/4.5/6.5 HEADLESS

SCREW SYSTEM

INDICATIONS

The Orion Headless screws are indicated for use in bone reconstruction, osteotomy, arthrodesis, joint fusion, fracture repair, and fracture fixation of bones appropriate for the size of the device. Screws are intended for single use only.



SYSTEM ADVANTAGES

- Tapered head to deliver maximum compression
- Cannulated titanium implants with Torx connection drive
- Self-retaining Torx driver provides improved engagement and reduced head stripping
- Modular caddy system contains implants and implant-specific guidewires, cannulated drills, countersink and drivers
- Complete range of Ø 4.5mm implant sizes in 2mm increments from 20mm to 40mm and 5mm increments from 40mm to 110mm screw lengths
- Complete range of Ø 6.5mm implant sizes in 2mm increments from 30mm to 40mm and 5mm increments from 40mm to 120mm screw lengths
- Screws incorporate self-drilling and self-tapping features
- Quick connect instrumentation with ratcheting handles
- Multiple thread lengths available



SCREWS

ORION Ø 4.0MM HEADLESS SCREW

LONG THREAD



Length	Item #
12mm	HTR-04-400612
14mm	HTR-04-400714
16mm	HTR-04-400816
18mm	HTR-04-400918
20mm	HTR-04-401020
22mm	HTR-04-400122
24mm	HTR-04-400224
26mm	HTR-04-400326
28mm	HTR-04-400428
30mm	HTR-04-400530
32mm	HTR-04-400632
34mm	HTR-04-400734
36mm	HTR-04-400836
38mm	HTR-04-400938
40mm	HTR-04-401040
42mm	HTR-04-400142
44mm	HTR-04-400244
46mm	HTR-04-400346
48mm	HTR-04-400448
50mm	HTR-04-400550
55mm	HTR-04-400655
60mm	HTR-04-400760



SCREWS

ORION Ø 4.5MM HEADLESS SCREW

SHORT THREAD



Length	Item #
20mm	HTR-04-450120
22mm	HTR-04-450222
24mm	HTR-04-450324
26mm	HTR-04-450426
28mm	HTR-04-450528
30mm	HTR-04-450630
32mm	HTR-04-450732
34mm	HTR-04-450834
36mm	HTR-04-450936
38mm	HTR-04-451038
40mm	HTR-04-450140
45mm	HTR-04-454445
50mm	HTR-04-450650
55mm	HTR-04-454655
60mm	HTR-04-450160
65mm	HTR-04-450265
70mm	HTR-04-450370
75mm	HTR-04-450475
80mm	HTR-04-450580
85mm	HTR-04-450685
90mm	HTR-04-450790
95mm	HTR-04-450895
100mm	HTR-04-450900
105mm	HTR-04-451005
110mm	HTR-04-450110

LONG THREAD



Length	Item #
20mm	HTR-04-450220
22mm	HTR-04-450322
24mm	HTR-04-450424
26mm	HTR-04-450526
28mm	HTR-04-450628
30mm	HTR-04-450730
32mm	HTR-04-450832
34mm	HTR-04-450934
36mm	HTR-04-451036
38mm	HTR-04-450138
40mm	HTR-04-450240
45mm	HTR-04-454545
50mm	HTR-04-450750
55mm	HTR-04-454755
60mm	HTR-04-450260
65mm	HTR-04-450365
70mm	HTR-04-450470
75mm	HTR-04-450575
80mm	HTR-04-450680
85mm	HTR-04-450785
90mm	HTR-04-450890
95mm	HTR-04-450995
100mm	HTR-04-451000
105mm	HTR-04-450105
110mm	HTR-04-450210



SCREWS

ORION Ø 6.5MM HEADLESS SCREW

SHORT THREAD



Length	Item #
30mm	HTR-04-650130
32mm	HTR-04-650232
34mm	HTR-04-650334
36mm	HTR-04-650436
38mm	HTR-04-650538
40mm	HTR-04-650640
45mm	HTR-04-654845
50mm	HTR-04-651150
55mm	HTR-04-654155
60mm	HTR-04-651660
65mm	HTR-04-651765
70mm	HTR-04-651870
75mm	HTR-04-651975
80mm	HTR-04-652080
85mm	HTR-04-650185
90mm	HTR-04-650290
95mm	HTR-04-650395
100mm	HTR-04-650400
105mm	HTR-04-650505
110mm	HTR-04-650610
115mm	HTR-04-650715
120mm	HTR-04-650820

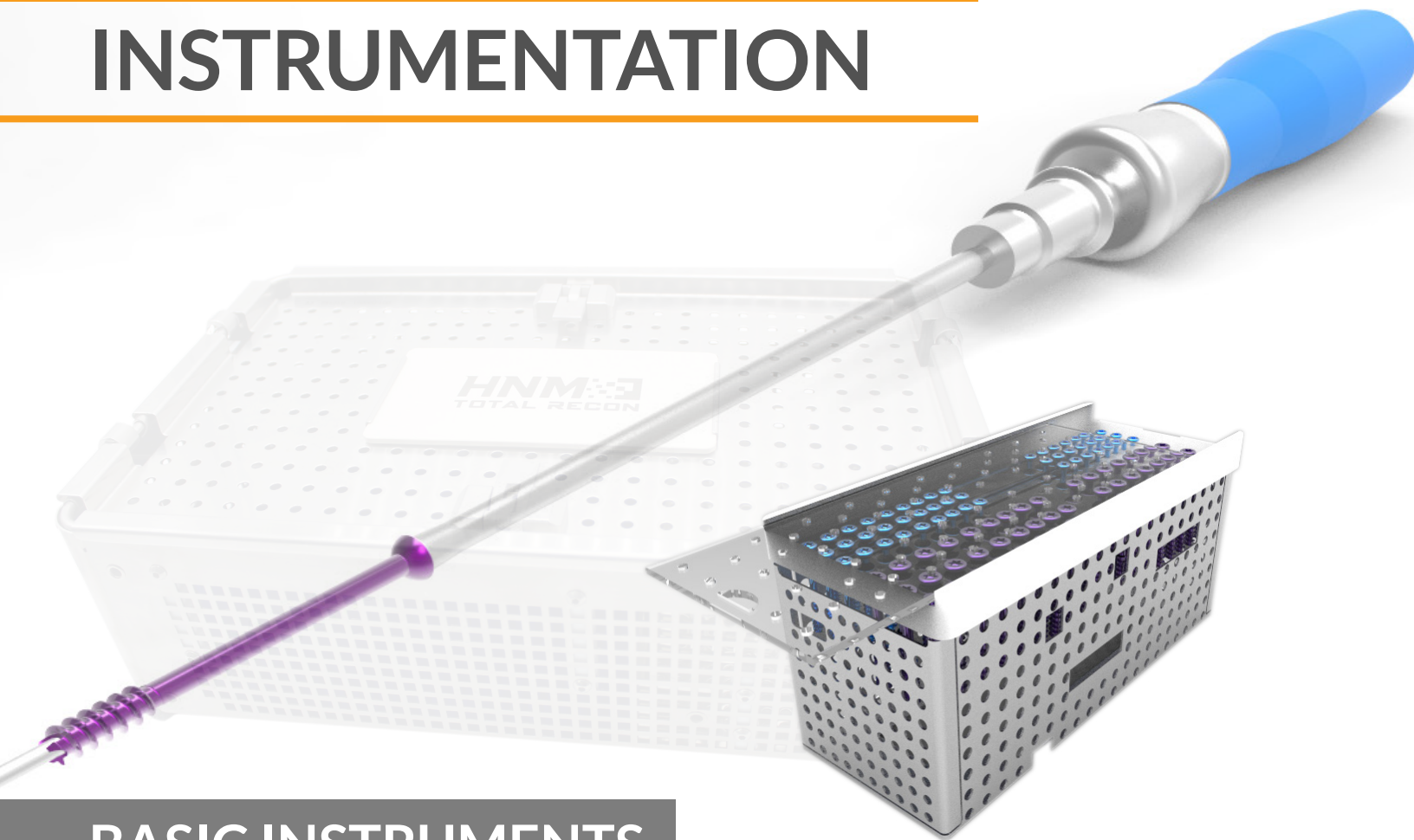
LONG THREAD



Length	Item #
30mm	HTR-04-650930
32mm	HTR-04-651032
34mm	HTR-04-651134
36mm	HTR-04-651236
38mm	HTR-04-651338
40mm	HTR-04-651440
45mm	HTR-04-654945
50mm	HTR-04-651950
55mm	HTR-04-654255
60mm	HTR-04-650460
65mm	HTR-04-650565
70mm	HTR-04-650670
75mm	HTR-04-650775
80mm	HTR-04-650880
85mm	HTR-04-650985
90mm	HTR-04-651090
95mm	HTR-04-651195
100mm	HTR-04-651200
105mm	HTR-04-651305
110mm	HTR-04-651410
115mm	HTR-04-651515
120mm	HTR-04-651620



INSTRUMENTATION



BASIC INSTRUMENTS

Item #	Description	Qty
HTR-04-004443	ø4.0/4.5mm Headless Screw Countersink	1
HTR-04-004547	ø6.5mm Headless Screw Countersink	1
HTR-04-009104	ø1.6mm K-Wire - (L) 6", Smooth, Single Trocar/Round End	10
HTR-04-009143	ø4.0/4.5mm Headed Screw Countersink	1
HTR-04-009206	ø2.0mm K-Wire - (L) 9ø	8
HTR-04-009247	ø6.5mm Headed Screw Countersink	1
HTR-04-009312	T15 Torx Driver, Cannulated, for ø1.6 K-Wire, AO Quick Coupling	2
HTR-04-009353	ø1.6mm K-Wire Dispenser	1
HTR-04-009413	T25 Torx Driver, Cannulated, for ø2.0 K-Wire, AO Quick Coupling	2
HTR-04-009509	Ratcheting Handle, AO Quick Coupling	1
HTR-04-009527	Tissue Protector for ø1.6mm and ø3.0mm	1
HTR-04-009601	Tray for ORION 4.5/6.5mm Screw System	1
HTR-04-009630	Tissue Protector for ø2.0mm and ø4.5mm	1
HTR-04-009735	Depth Gauge - (L) 6"	1
HTR-04-009736	Depth Gauge - (L) 9"	1
HTR-04-139866	ø3.0mm Drill Bit, Cannulated, AO Quick Coupling - (L) 6"	2
HTR-04-149909	ø4.5mm Drill Bit, Cannulated, AO Quick Coupling - (L) 9"	2

HNM

TOTAL RECON

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