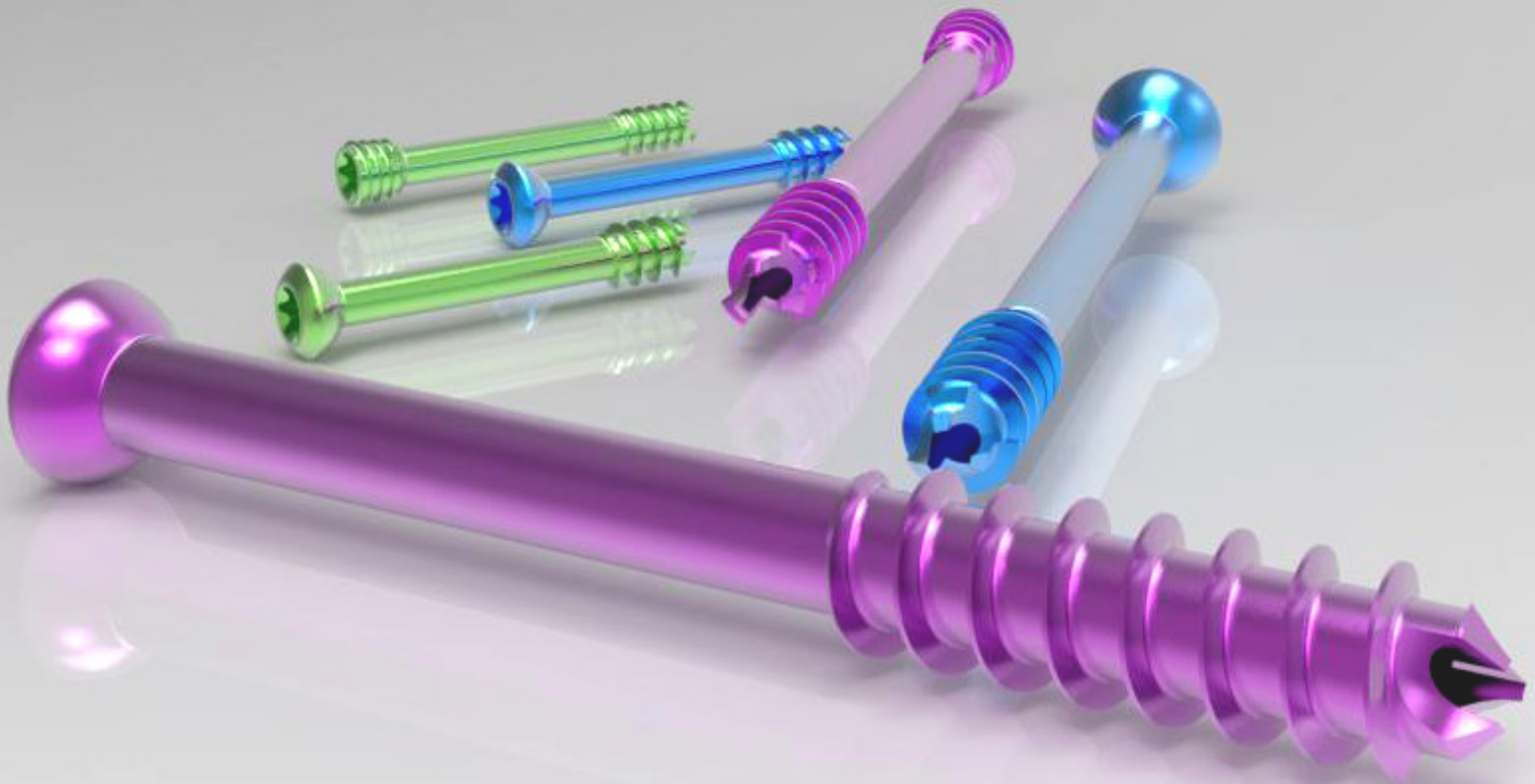




ORION Screw System

PRODUCT INFORMATION





ORION

SCREW SYSTEM

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ORION 2.5/3.0 SCREW SET

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ORION 4.0/4.5/6.5 SCREW SET

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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.



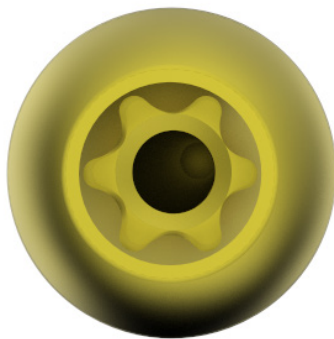
ORION 2.0 HEADED

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

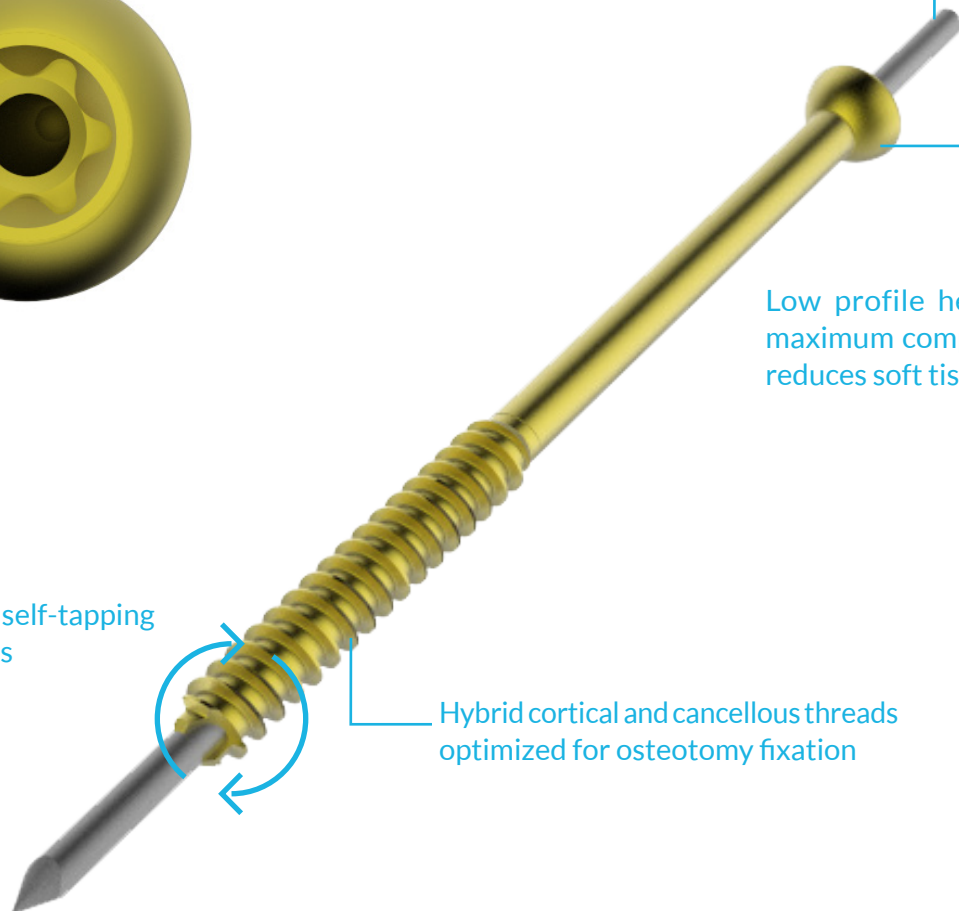


Cannulation to allow for precise insertion using a 1.1mm guidewire

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 Ø 2.0MM 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





ORION 2.0 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

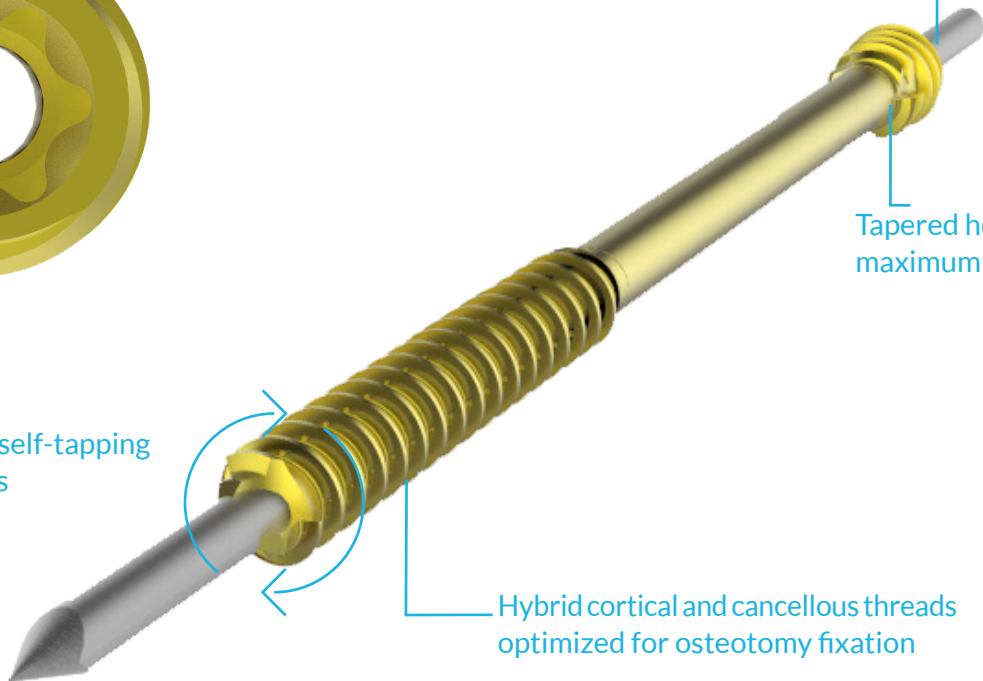


Cannulation to allow for precise insertion using a 1.1mm guidewire

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 strippage
- 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 2.0MM HEADLESS SCREW

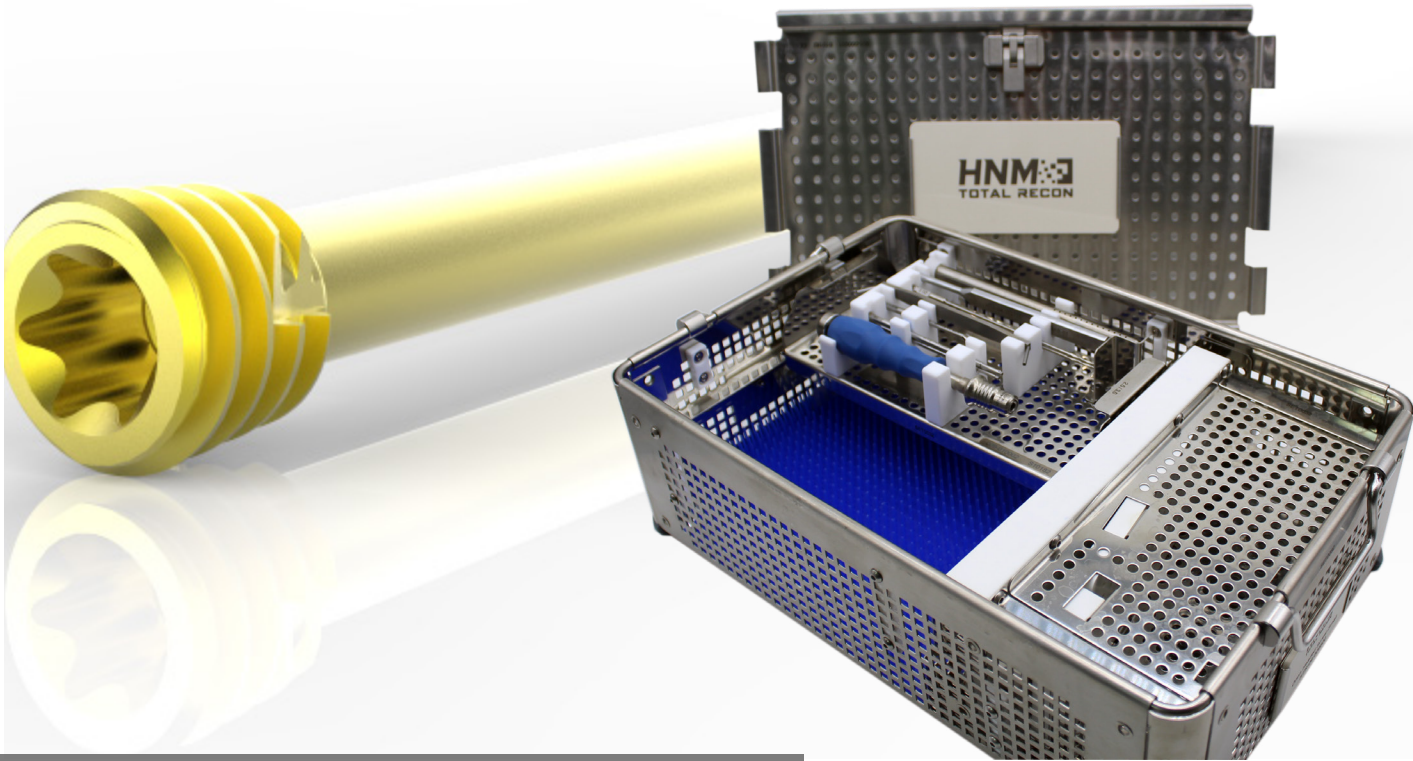
LONG THREAD



Length	Item #
12mm	HTR-04-204912
14mm	HTR-04-204114
16mm	HTR-04-204216
18mm	HTR-04-204318
20mm	HTR-04-204420
22mm	HTR-04-204522
24mm	HTR-04-204624
26mm	HTR-04-204726
28mm	HTR-04-204828
30mm	HTR-04-204930
32mm	HTR-04-204132
34mm	HTR-04-204234
36mm	HTR-04-204336
38mm	HTR-04-204438
40mm	HTR-04-204540



INSTRUMENTATION



BASIC INSTRUMENTS

Item #	Description	Qty
HTR-04-009310	T6 (ø0.9) Torx Driver	1
HTR-04-609893	ø1.6mm Drill - Cannulated, AO Quick Coupling	1
HTR-04-009102	ø0.9mm Guidewire - (L)6"	1
HTR-04-009351	ø0.9mm Guidewire Dispenser	10
HTR-04-009138	ø2.0mm Headed Screw Countersink	2
HTR-04-009524	Tissue Protector 0.9mm x 1.6mm	1
HTR-04-009600	Tray for ORION 2.5/3.0 Headed Screw Set	1
HTR-04-003408	ORION ø2.0/3.0/4.0mm Screw Caddy	1



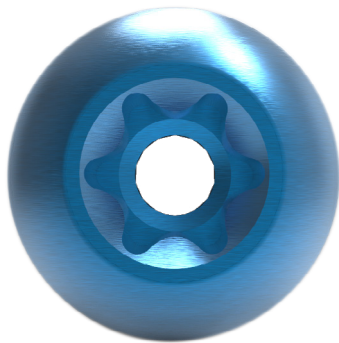
ORION 2.5/3.0 HEADED

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

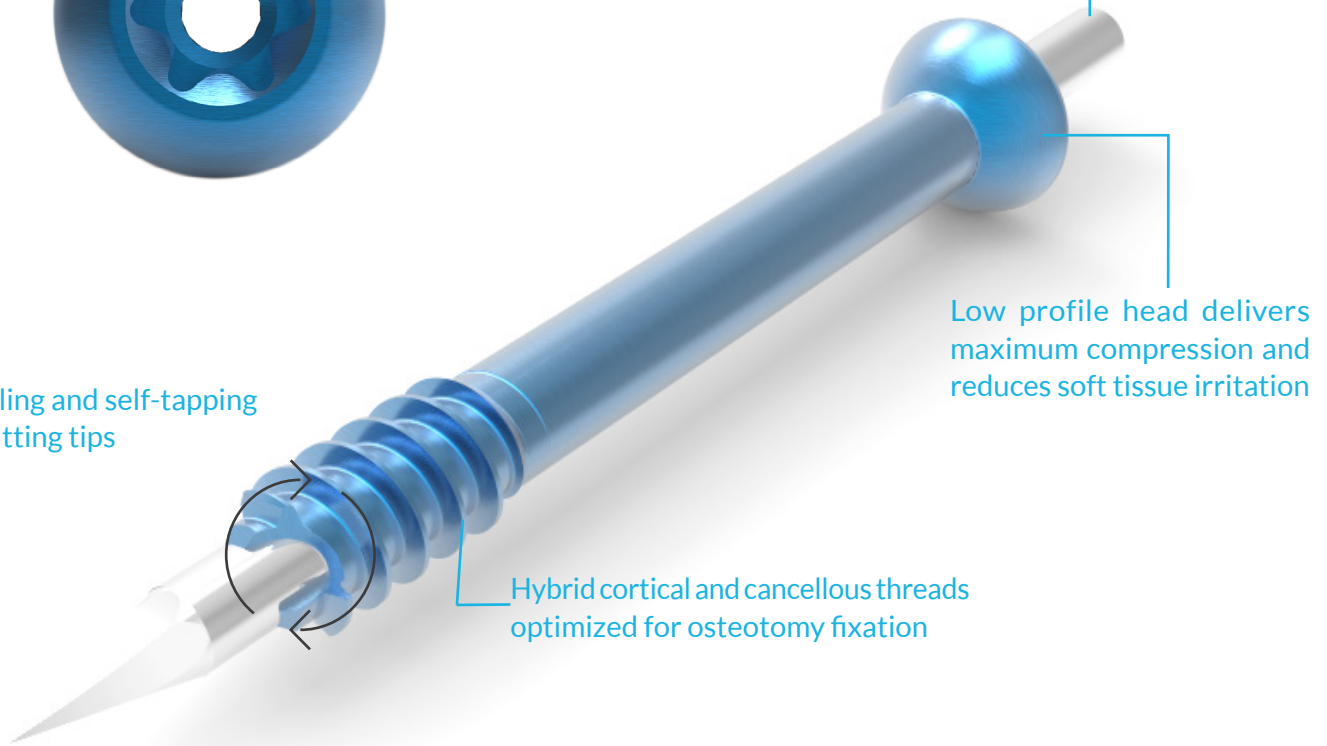


Cannulation to allow for precise insertion using a 1.1mm guidewire

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 Ø W2.5MM 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

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



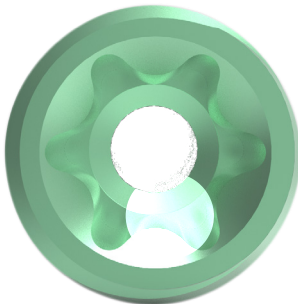
ORION 2.5/3.0 HEADLESS

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

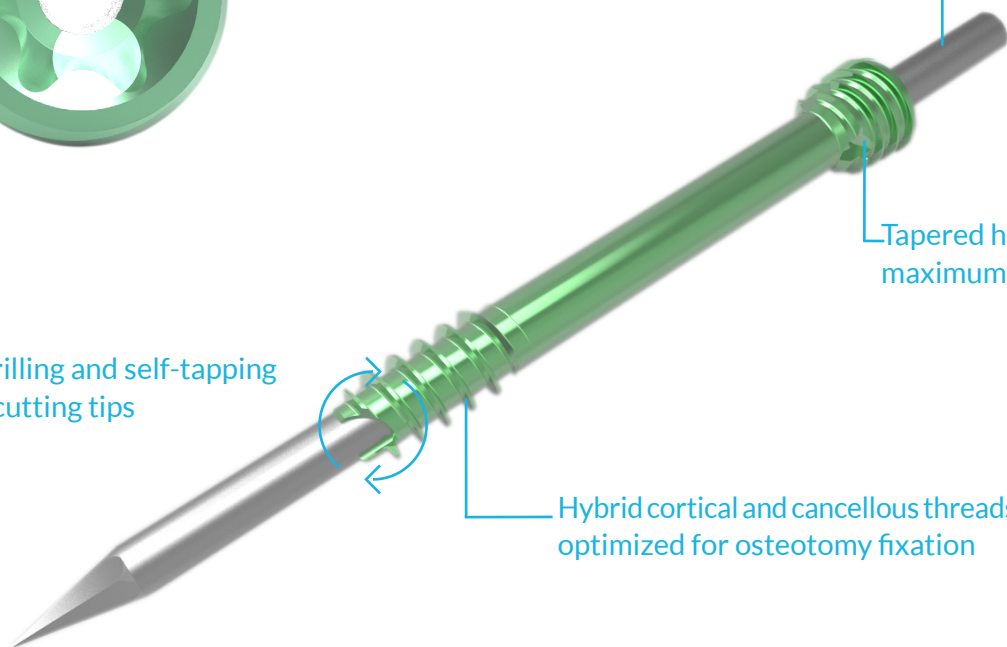


Tapered head to deliver a maximum compression

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

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



INSTRUMENTATION



BASIC INSTRUMENTS

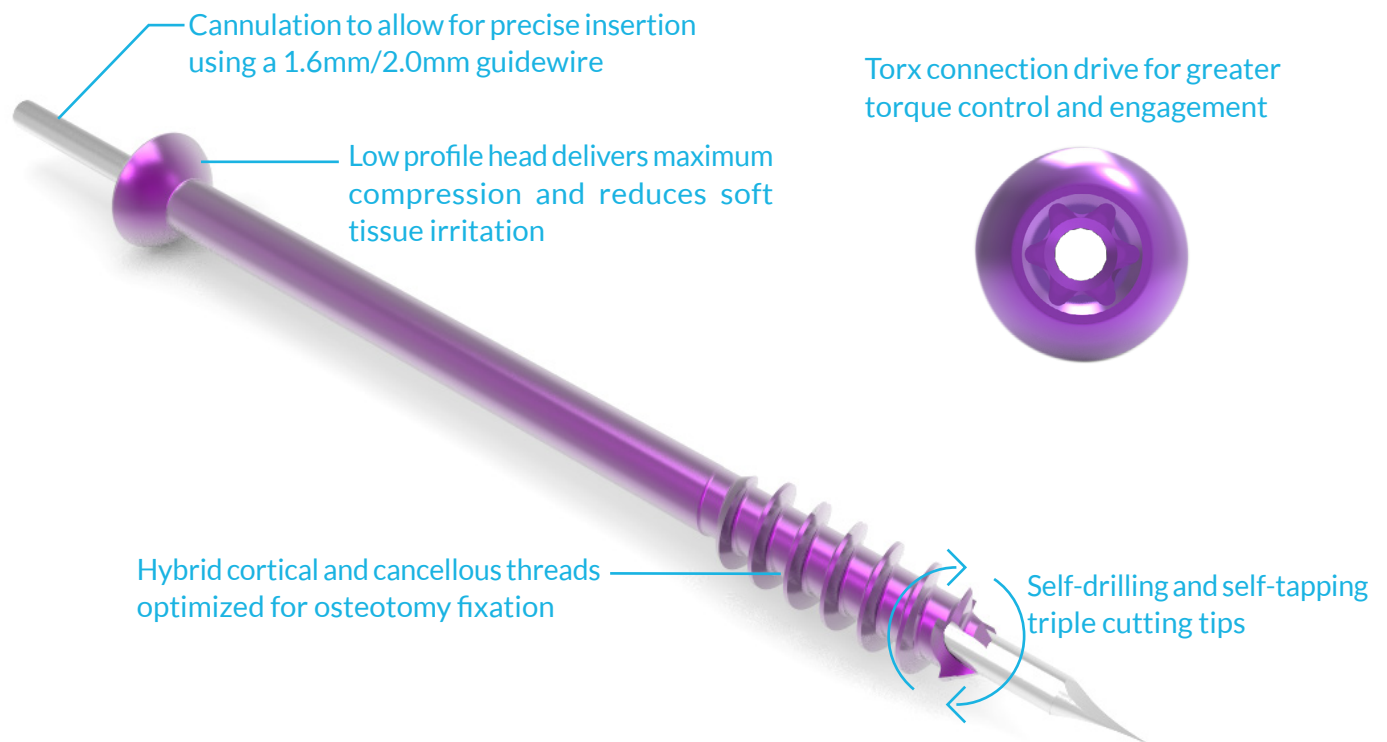
Item #	Description	Qty
HTR-04-009625	Tissue Protector 1.1mm x 2.0mm	1
HTR-04-009735	6" Depth Gauge	1
HTR-04-009140	3.0 Headed Screw Countersink	1
HTR-04-004340	3.0 Headless Screw Countersink	1
HTR-04-129816	2.0mm (6") Drill Bit	2
HTR-04-009411	T8 (Ø 1.1) Torx Driver	1
HTR-04-009508	Mini Fixed AO Handle	1
HTR-04-009203	Ø 1.1 Guidewire	10
HTR-04-009452	1.1 Guidewire Dispenser	1
HTR-04-009600	Tray for ORION 2.5/3.0 Headed Screw System	1



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 #
12mm	HTR-04-404512
14mm	HTR-04-404614
16mm	HTR-04-404716
18mm	HTR-04-404818
20mm	HTR-04-404920
22mm	HTR-04-405022
24mm	HTR-04-404124
26mm	HTR-04-404226
28mm	HTR-04-404328
30mm	HTR-04-404430
32mm	HTR-04-404532
34mm	HTR-04-404634
36mm	HTR-04-404736
38mm	HTR-04-404838
40mm	HTR-04-404940
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

LONG THREAD



Length	Item #
14mm	HTR-04-404514
16mm	HTR-04-404616
18mm	HTR-04-404718
20mm	HTR-04-404820
22mm	HTR-04-404922
24mm	HTR-04-404124
26mm	HTR-04-404226
28mm	HTR-04-404328
30mm	HTR-04-404430
32mm	HTR-04-404532
34mm	HTR-04-404634
36mm	HTR-04-404736
38mm	HTR-04-404838
40mm	HTR-04-404940
42mm	HTR-04-404142
44mm	HTR-04-404244
46mm	HTR-04-404346
48mm	HTR-04-404448
50mm	HTR-04-404550
55mm	HTR-04-404655
60mm	HTR-04-404760



SCREWS

ORION Ø 4.5MM HEADED SCREW

SHORT THREAD



Length	Item #
20mm	HTR-04-454420
22mm	HTR-04-454522
24mm	HTR-04-454624
26mm	HTR-04-454726
28mm	HTR-04-454828
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 #
20mm	HTR-04-454220
22mm	HTR-04-454322
24mm	HTR-04-454424
26mm	HTR-04-454526
28mm	HTR-04-454628
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
115mm	HTR-04-654315
120mm	HTR-04-654420

LONG THREAD



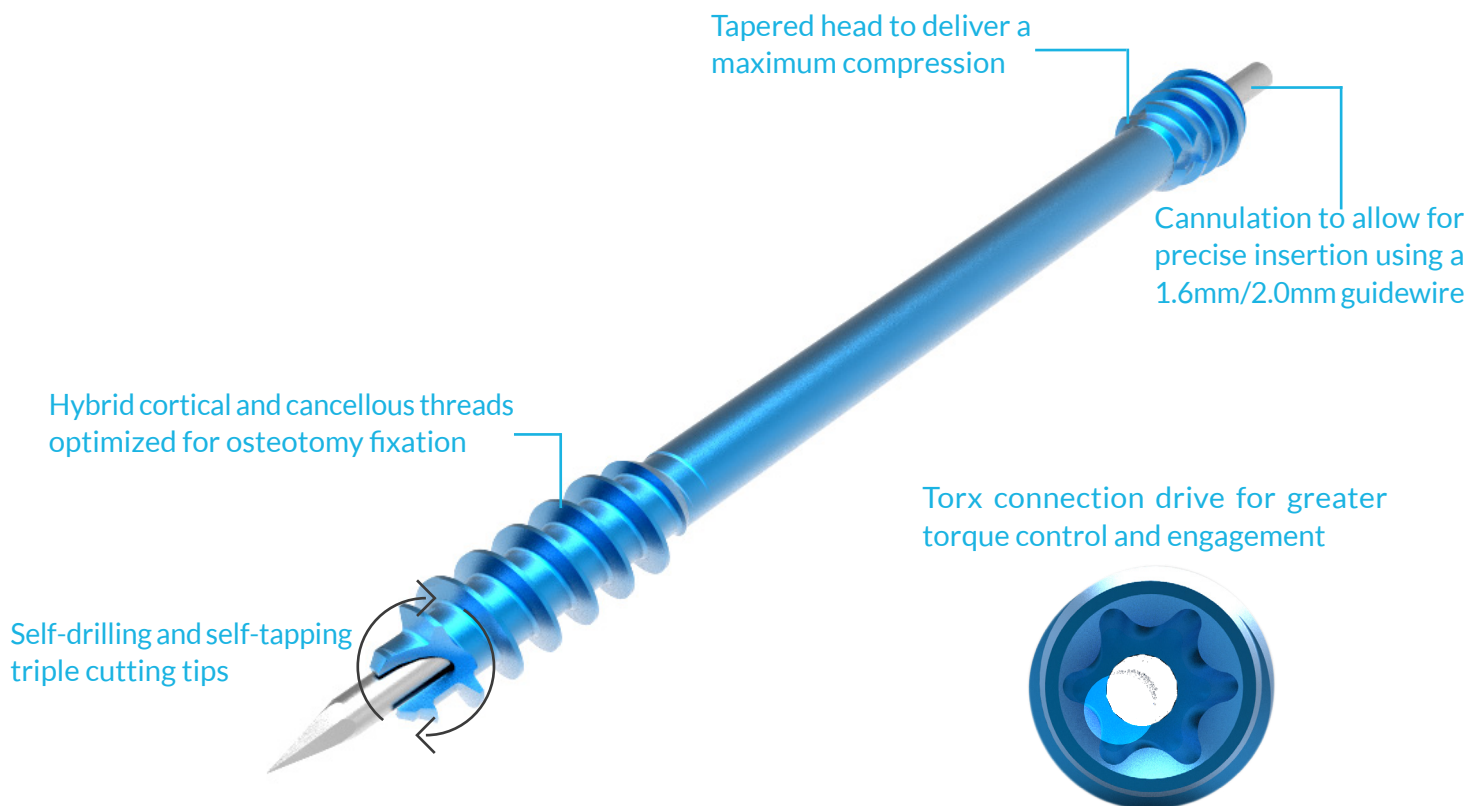
Length	Item #
30mm	HTR-04-654530
32mm	HTR-04-654632
34mm	HTR-04-654734
36mm	HTR-04-654836
38mm	HTR-04-654938
40mm	HTR-04-654140
45mm	HTR-04-654245
50mm	HTR-04-654350
55mm	HTR-04-654455
60mm	HTR-04-654560
65mm	HTR-04-654665
70mm	HTR-04-654770
75mm	HTR-04-654875
80mm	HTR-04-654980
85mm	HTR-04-654185
90mm	HTR-04-654290
95mm	HTR-04-654395
100mm	HTR-04-654400
105mm	HTR-04-654505
110mm	HTR-04-654610
115mm	HTR-04-654715
120mm	HTR-04-654820



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 \varnothing 4.5mm implant sizes in 2mm increments from 20mm to 40mm and 5mm increments from 40mm to 110mm screw lengths
- Complete range of \varnothing 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

SHORT THREAD



Length	Item #
12mm	HTR-04-400412
14mm	HTR-04-400514
16mm	HTR-04-400616
18mm	HTR-04-400718
20mm	HTR-04-400820
22mm	HTR-04-400922
24mm	HTR-04-401024
26mm	HTR-04-400126
28mm	HTR-04-400228
30mm	HTR-04-400330
32mm	HTR-04-400432
34mm	HTR-04-400534
36mm	HTR-04-400636
38mm	HTR-04-400738
40mm	HTR-04-400840
42mm	HTR-04-400942
44mm	HTR-04-401044
46mm	HTR-04-400146
48mm	HTR-04-400248
50mm	HTR-04-400350
55mm	HTR-04-400455
60mm	HTR-04-400560

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

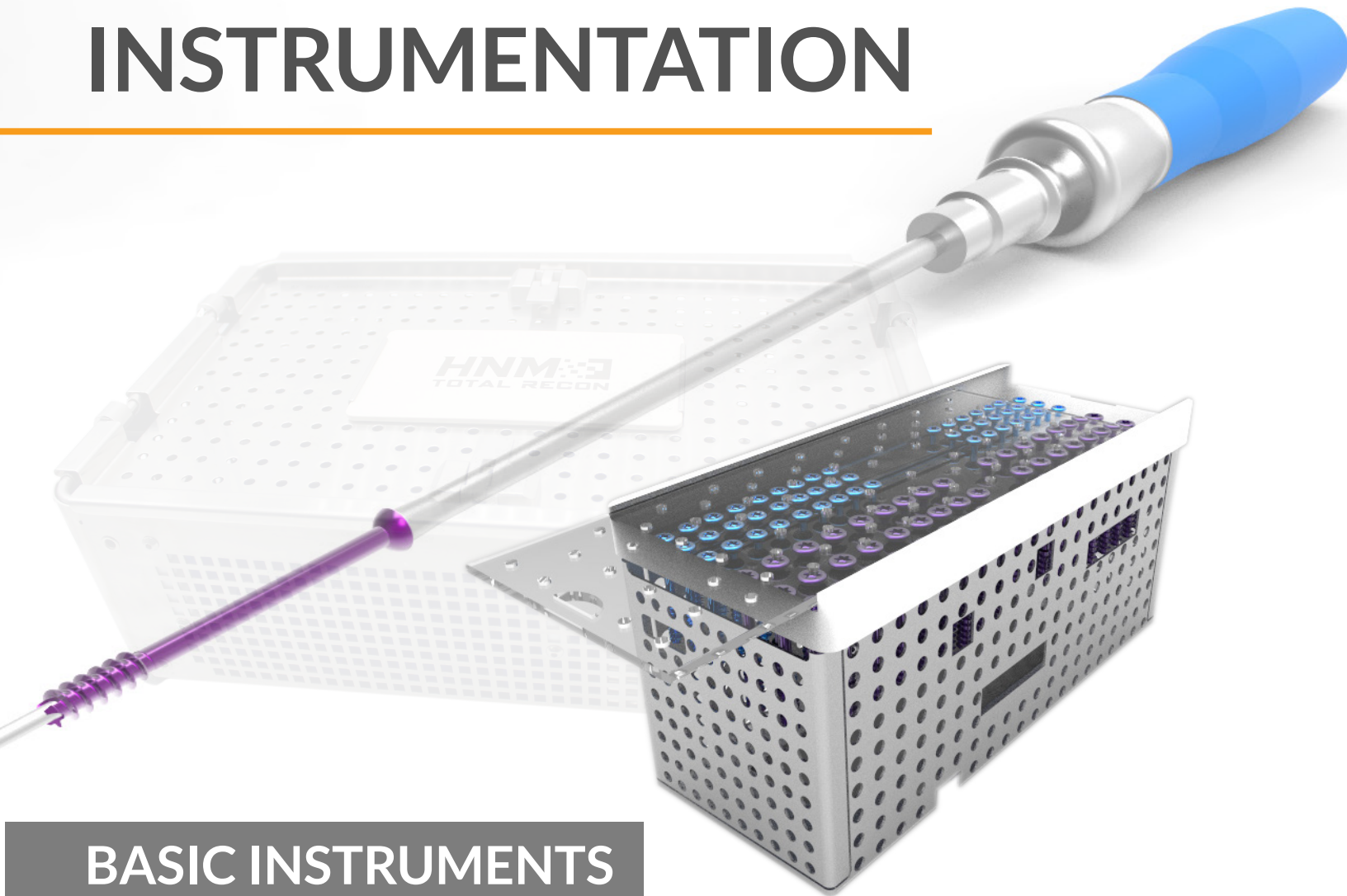
LONG THREAD



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-04-009735	6" Depth Gauge	1
HTR-04-009736	9" Depth Gauge	1
HTR-04-009527	Tissue Protector 1.6mm x 3.0mm	1
HTR-04-009630	Tissue Projector 2.0mm x 4.5mm	1
HTR-04-139866	3.0mm (6") Drill Bit	2
HTR-04-149909	4.5mm (9") Drill Bit	2
HTR-04-009312	T15 (Ø 1.6) Torx Driver	1
HTR-04-009413	T25 (Ø 2.0) Torx Driver	1
HTR-04-009509	Ratcheting AO Handle	1
HTR-04-009143	4.5 Headed Screw Countersink	1
HTR-04-004443	4.5 Headless Screw Countersink	1
HTR-04-009247	6.5 Headed Screw Countersink	1
HTR-04-004547	6.5 Headless Screw Countersink	1
HTR-04-009104	Ø 1.6 Guidewire for 4.5mm screws	10
HTR-04-009353	1.6 Guidewire Dispenser (6")	1
HTR-04-009206	Ø 2.0 Guidewire for 6.5mm screws	10
HTR-04-009601	Tray for ORION 4.5/6.5 Headed Screw Set	1

HNM:

TOTAL RECON

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