



Dates and images

Intrauma S.p.A. reserves the right to modify the design and finishing of the products shown and described in the present catalog without any notice. The images are informative and only regarded as examples.

The information provided is purely indicative of the products displayed. Such information does not constitute an accurate description of the characteristics on the part of the manufacturer. We therefore invite our clients to always contact Intrauma S.p.A. to obtain full details on our product's specifications.

© Intrauma - Patented products - October 2017



The FIXIN Range

Locking plates have become the gold standard for the fixation of complex fractures, as they combine stable fixation with anatomic articular reduction, help to reduce soft tissue dissection and allow early mobilisation.

The FIXIN range includes a wide variety of plates designed for different indications including traumatology, corrective osteotomies, and tarsus and carpus arthrodesis and panarthrodesis.

The Fixin system provides 3 series of internal fixators: The 1.7 series (micro), developed for small dogs up to 3-4 Kg and cats, accommodates 1.7 mm screws that fit the micro silver insert. This series plates have small holes that fit 1.0 mm K-wire for temporary stabilization.

The 1.9-2.5 series (mini), developed for small dogs up to 10 Kg and cats, accommodates 1.9 mm and 2.5 mm screws that fit the same small silver insert (same screw-heads therefore same screwdriver). This series plates have small holes that fit 1.2 mm K-wire for

temporary stabilization.

The 3.0-3.5 series (standard), developed for medium, large and giant dogs accommodates 3.0 mm and 3.5 mm screws that fit the blue insert (same screw-heads therefore same screwdriver). This series plates have small holes that fit 1.2 mm K-wire for temporary stabilization.

The unique locking mechanism ensures fracture stability whilst avoiding pressure on the bone, preserving vascularity and accelerating the return of mobility and function. After fixing the locking screws in a FIXIN plate, a stable system is created which is similar to an external fixator from a mechanical point of view and quite different from a traditional screw-plate system.

Because of these unique mechanical properties, FIXIN plates provide a new and original osteosynthesis technique for effective and stable fixation of fractures.

Patented screw locking mechanism

Traditional locking plates use a threaded screw-plate locking system. FIXIN screws have a 2° conical head which locks into a corresponding 2° tapered cone in the bushings, which are pre-assembled on the plate. This coupling eliminates the risk of cross threading between the screw and plate and ensures a simple operative technique. It also permits easy removal of

the screws, whether because they have been placed incorrectly intra-operatively, or for later removal of the plate.

It is an extremely stable coupling, which effectively transfers loads through the structure and reduces the risk of screws backing out or plate breakage.



The Implant

Support - It consists of a support with threaded holes where inserts (bushings) can be screwed into.

Insert - These are externally threaded, to be screwed into the support. The inner hole of the insert is conical to lodge the head of the screw.

Screws - The screw is a selfthreading, self blocking screw with angular stability. The screw's head is conical, perfectly complementary with the cone shaped hole of the insert.

Instruments

FIXIN instruments sets are composed by a low number of items, are simple to use and easy to prepare for surgery.

Drill guide - To allow proper matching between the conical head of the screw and the conical hole of the insert, a special drill-guide has been developed. The drill guide has a tapered cone and fits directly and securely into the bushes on each plate allowing the surgeon working with both hands.

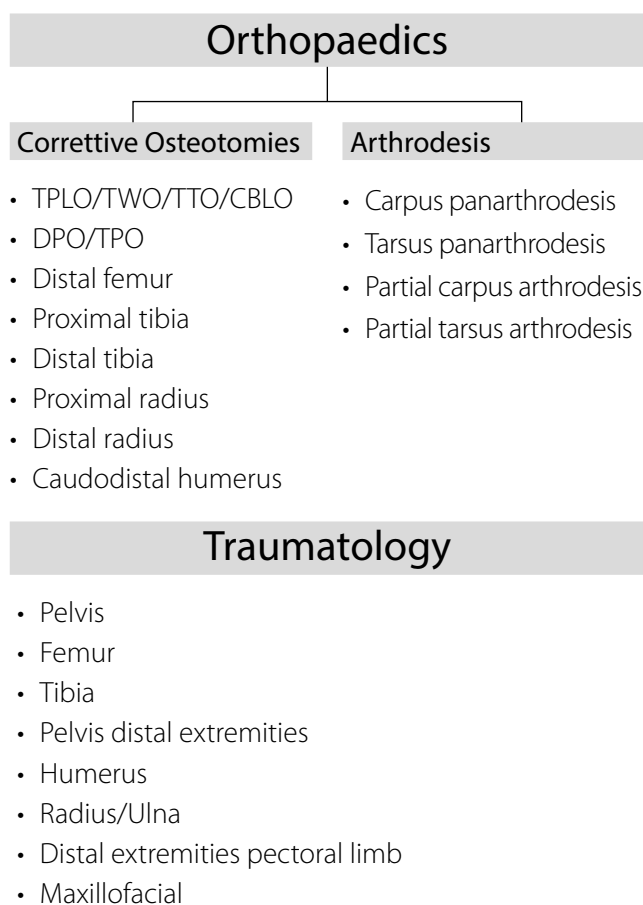
Temporary stabilization - During the drilling phase the plate needs to be secured to the bone cortex to achieve the conical coupling. This can be done by conventional bone-clamps, with temporary conventional screws, with pins inserted through appropriate plate's holes, or with pins inserted through the drill-guide and temporary secured with pin-stops.

Features and benefits

- The unique conical screw-plate locking system ensures the distribution of force throughout the structure, eliminating the risk of implant breakage and screws backing out.
- The patented locking system allows easy locking of the screw in the plate and eliminates the possibility of cross-threading the screw head in the plate.
- Easy exchange and removal of screws if needed.
- Simple and intuitive instruments for reduced surgery times.

- Periosteum is left intact to preserve the vascularisation.
- Plate thickness range from 1.2 mm in the micro series, from 1.2 mm to 2 mm in the mini series and from 1.5 mm to 3 mm in the medium series allows a minimally invasive approach.

Indications





MICRO Series 1.7 mm

Designed for Toy Breed Dogs
(0Kg-3Kg)



V1800

T support

Length: 23 mm
Thickness: 1.2 mm
Holes: 4

TPLO - Distal radius



V1806

Straight support

Length: 31 mm
Thickness: 1.2 mm
Holes: 4

Radius



V1801

Long T support

Length: 32 mm
Thickness: 1.2 mm
Holes: 5

TPLO - Distal radius



V1807

Straight support

Length: 47 mm
Thickness: 1.2 mm
Holes: 6

Tibia - Femur



V1811

Extra Long T Support

Length: 37 mm
Thickness: 1.2 mm
Holes: 5

TPLO - Distal radius



V1808

Straight support

Length: 60 mm
Thickness: 1.2 mm
Holes: 6

Tibia - Femur



V1802 (R) / V1803 (L)

L support

Length: 25 mm
Thickness: 1.2 mm
Holes: 4

Distal femur



V1804 (R) / V1805 (L)

Long L support

Length: 34 mm
Thickness: 1.2 mm
Holes: 5

Distal femur



V1813 (L) / V1814 (R)

Long L support

Length: 28 mm

Thickness: 1.2 mm

Holes: 4

TPLO



V1861 (L) / V1862 (R)

TPLO Clover

Length: 26.6 mm

Thickness: 1.5 mm

Holes: 5+1

TPLO



NOTE: Require cortical screw 1.5 mm

V1810

Micro cuttable support

Length: 131 mm

Thickness: 1.2 mm

Holes: 26



NOTE: this support is provided without bushings. Bushing: V121 - Micro series bushing.

1.7 Series - Ordering information

Micro series supports

Ref.	Support	L. mm	THK mm	Holes
V1800	T	23	1.2	4
V1801	Long T	32	1.2	5
V1802	L (R)	25	1.2	4
V1803	L (L)	25	1.2	4
V1804	Long L (R)	34	1.2	5
V1805	Long L (L)	34	1.2	5
V1806	Straight	31	1.2	4
V1807	Straight	47	1.2	6
V1808	Straight	60	1.2	6
V1810	Micro cuttable	131	1.2	26
V1811	Extra Long T Support	37	1.2	5
V1813	Long L Support (L)	28	1.2	4
V1814	Long L Support (R)	28	1.2	4
V1861	TPLO clover micro (L)	26.6	1.5	5+1
V1862	TPLO clover micro (R)	26.6	1.5	5+1

NOTE: the V1810 support is provided without bushing.
Bushing: V121 - Micro series bushing.

Autolocking micro screws Ø 1.7 mm

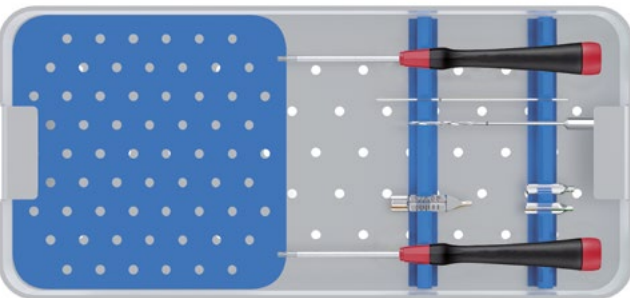
Ref.	L. mm
V2356	6
V2357	7
V2358	8
V2359	9
V2360	10
V2362	12
V2364	14
V2366	16
V2368	18



VS181



VS180



The tray is provided without instruments

Micro series bushing

Ref.	Description
V121	Bushing
V1210	Bushing (10 pcs.)



V121

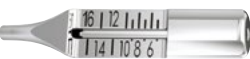
Micro series instrumentation

Ref.	Description
VS181	Drill bit Ø 1.3 mm
VS182	Drill guide
VS185	Micro bushing carrier
VS188	Micro screwdriver

Micro series screws case

Ref.	Description
VS180	Micro series instruments tray 260x120x30 mm
VS200	Screw case Ø 1.7 - 1.9 - 2.5 - 2.7 C

VS182



VS185



VS188



VS200



MINI Series 1.9-2.5 mm

Designed for Small Dogs
and cats (3kg-15kg)



Fixin[®] 1.9 - 2.5 Series - Product ranges

V2001

T support

Length: 32 mm
Thickness: 1.5 mm
Holes: 4



TPLO/TWO/TTO - Proximal tibia - Distal tibia
Carpus and tarsus partial arthrodesis
Pelvis - Maxillofacial

V2005

T support

Length: 38 mm
Thickness: 1.2 mm
Holes: 4



TPLO/TWO/TTO - Proximal tibia
Distal tibia - Proximal radius - Distal radius

V2002

Acetabular support

Length: 27 mm
Thickness: 1.2 mm
Holes: 4



Distal femur

V2007 L/R

L support

Length: 25 mm
Thickness: 1.2 mm
Holes: 4



TPLO

V2003

T support

Length: 25 mm
Thickness: 1.2 mm
Holes: 4



TPLO/TWO/TTO - Proximal tibia - Distal tibia

V2021

T support prebended

Length: 32 mm
Thickness: 1.5 mm
Holes: 4
Offset: 2 mm



TPLO/TWO/TTO

V2004 L/R

L support

Length: 53 mm
Thickness: 1.5 mm
Holes: 6



Distal femur

V2040

T Support Prebended

Length: 31 mm
Thickness: 1.5 mm
Holes: 4
Offset: 4 mm



TPLO/TWO/TTO

V2101

Straight support

Length: 39 mm
Thickness: 1.2 mm
Holes: 4

Carpus and tarsus partial arthrodesis
Femur - Tibia - Pelvis distal extremity
Humerus - Radius/Ulna
Pectoral distal extremity - Maxillofacial



V2102

Straight support

Length: 63 mm
Thickness: 1.5 mm
Holes: 6

Carpus and tarsus partial arthrodesis
Femur - Tibia - Pelvis distal extremity
Humerus - Radius/Ulna
Pectoral distal extremity - Maxillofacial



V2105

Straight support

Length: 36 mm
Thickness: 1.2 mm
Holes: 4

Carpus and tarsus partial arthrodesis
Femur - Tibia - Pelvis distal extremity - Humerus
Radius/Ulna - Pectoral distal extremity - Maxillofacial



V2106

Straight support

Length: 49 mm
Thickness: 1.5 mm
Holes: 5

Humerus - Distal tibia
Proximal radius - Distal radius

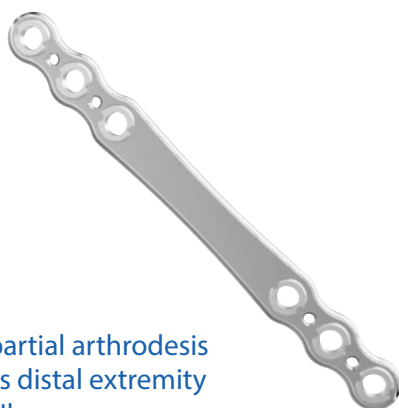


V2201

Straight support

Length: 71 mm
Thickness: 1.5 mm
Holes: 6

Carpus and tarsus partial arthrodesis
Femur - Tibia - Pelvis distal extremity
Humerus - Radius/Ulna
Pectoral distal extremity - Maxillofacial



V2202

Straight support

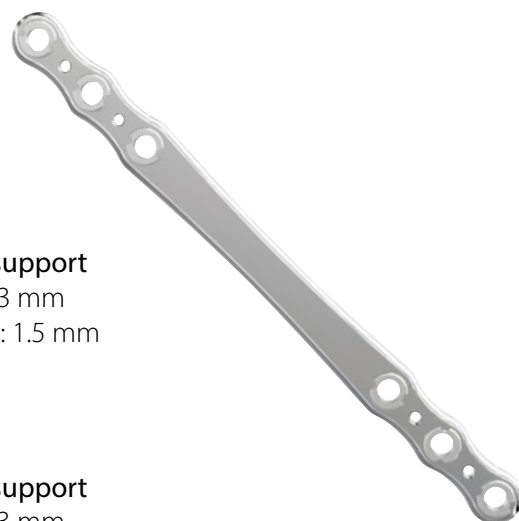
Length: 93 mm
Thickness: 1.5 mm
Holes: 6

V2204

Straight support

Length: 93 mm
Thickness: 2.0 mm
Holes: 6

Femur - Tibia - Humerus - Radius/Ulna
Pectoral distal extremity



V2203

Straight support

Length: 100 mm
Thickness: 1.5 mm
Holes: 8

V2205

Straight support

Length: 100 mm
Thickness: 2.0 mm
Holes: 8

Femur - Tibia
Humerus - Radius/Ulna
Pectoral distal extremity



V2061 (L) / V2062 (R)

Clover mini

Length: 44.2 mm
Thickness: 2.5 mm
Holes: 5+1

TPLO

NOTE: this implant requires VS255 Low profile bushing extractor to remove bushings.
Require cortical screw 2.4 mm



V2207

Mini cuttable support

Length: 195 mm
Thickness: 1.5 mm
Holes: 26

NOTE: this support is provided without bushings.
Bushing: V120
1.9 - 2.5 series bushing



1.9 - 2.5 Series - Ordering information

Supports

Ref.	Support	L. mm	THK mm	Holes
V2001	T	32	1.5	4
V2002	Acetabular	27	1.2	4
V2003	T	25	1.2	4
V2004	L (L/R)	53	1.5	6
V2005	T	38	1.2	4
V2007	L (L/R)	25	1.2	4
V2061	TPLO clover mini (L)	44.2	2.5	5+1
V2062	TPLO clover mini (R)	44.2	2.5	5+1
V2101	Straight	39	1.2	4
V2102	Straight	63	1.5	6
V2105	Straight	36	1.2	4
V2106	Straight	49	1.5	5
V2201	Straight	71	1.5	6
V2202	Straight	93	1.5	6
V2203	Straight	100	1.5	8
V2204	Straight	93	2.0	6
V2205	Straight	100	2.0	8
V2021	T prebended	32	1.5	4
V2207	Mini cuttable	195	1.5	26

NOTE: the V2207 support is provided without bushing.
Bushing: V120 - 1.9 - 2.5 series bushing.

Bushing

Ref.	Description
V120	Bushing
V123	Low profile Bushing
V125	Plug
V1200	Bushing (10 pcs.)



Autolocking screws Ø 1.9 mm

Ref.	L. mm
V2406	6
V2407	7
V2408	8
V2409	9
V2410	10
V2412	12
V2414	14
V2416	16
V2418	18



Ti6Al4V - ISO 5832-3

Autolocking screws Ø 2.5 mm

Ref.	L. mm
V2510	10
V2512	12
V2514	14
V2516	16
V2518	18
V2520	20
V2522	22
V2524	24
V2526	26
V2528	28
V2530	30



Ti6Al4V - ISO 5832-3

1.9 - 2.5 Series - Ordering information

Instrumentation

Ref.	Description
VS210	Drill guide Ø 1.9 - 2.5 mm
VS220	Drill bit Ø 2.0 mm
VS221	Drill bit Ø 1.5 mm
VS23	Mini serie depth meter
S24	Hexagonal screwdriver Ø 2.0 mm
VS25	Bushing carrier/extractor
VS255	Low profile bushing extractor
VS27	Pinstopper 1.9-2.5 series
VS270	Pinstopper wire Ø 2.0 mm (10 pcs.)
VSVM	Ø 2.5 mm Temporary stab. screw
VSV19	Ø 1.9 mm Temporary stab. screw

VS210



VS220



VS221



VS23



S24



VS25



VSV 19



VSVM



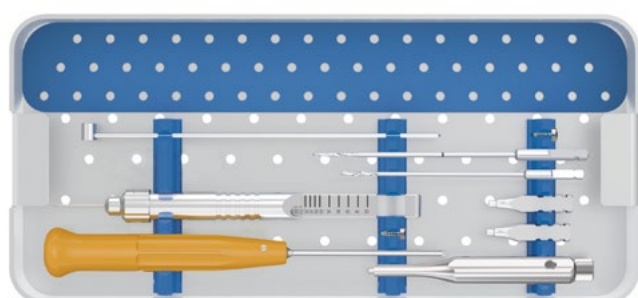
VS255



VS27



VS201



The tray is provided without instruments



VS200



LARGE Series 3.0-3.5 mm

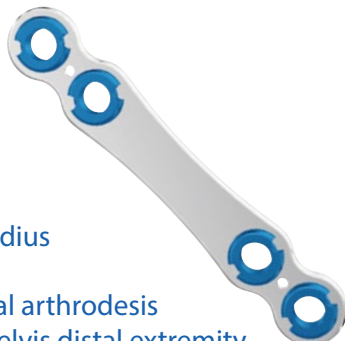
Designed for Large Dogs
(15kg-60kg)



V3201

Straight support
Length: 60 mm
Thickness: 1.5 mm
Holes: 4

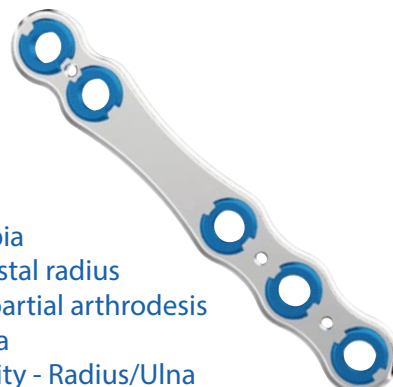
Distal tibia - Proximal radius
Distal radius
Carpus and tarsus partial arthrodesis
Pelvis - Femur - Tibia - Pelvis distal extremity
Humerus - Radius/Ulna



V3204

Straight support
Length: 68 mm
Thickness: 2.0 mm
Holes: 5

Humerus - Distal tibia
Proximal radius - Distal radius
Carpus and tarsus partial arthrodesis
Pelvis - Femur - Tibia
Pelvis distal extremity - Radius/Ulna



V3202

Straight support
Length: 80 mm
Thickness: 2.0 mm
Holes: 6

Pelvis - Femur - Tibia
Pelvis distal extremity
Humerus - Radius/Ulna



V3302

Straight support
Length: 95 mm
Thickness: 2.5 mm
Holes: 6

Femur - Tibia
Pelvis distal extremity
Humerus - Radius/Ulna



V3203

Straight support
Length: 109 mm
Thickness: 2.0 mm
Holes: 6

Femur - Tibia
Pelvis distal extremity
Humerus - Radius/Ulna



V3303

Straight support
Length: 119 mm
Thickness: 2.5 mm
Holes: 6

Femur - Tibia
Pelvis distal extremity
Humerus - Radius/Ulna



V3304

Straight support

Length: 139 mm

Thickness: 2.5 mm

Holes: 6



Femur - Tibia - Pelvis distal extremity - Humerus - Radius/Ulna

V3305

Straight support

Length: 161 mm

Thickness: 2.5 mm

Holes: 8



Femur - Tibia - Pelvis distal extremity - Humerus - Radius/Ulna

V3401

Straight support

Length: 172 mm

Thickness: 3.0 mm

Holes: 6



Femur - Tibia - Pelvis distal extremity - Humerus - Radius/Ulna

V3402

Straight support

Length: 193 mm

Thickness: 3.0 mm

Holes: 8



Femur - Tibia - Pelvis distal extremity - Humerus - Radius/Ulna

V3009 L/R

Medial 135°

Length: 115 mm

Thickness: 2.0 mm

Holes: 5+3

[Tarsus panarthrodesis](#)



V3010 L/R

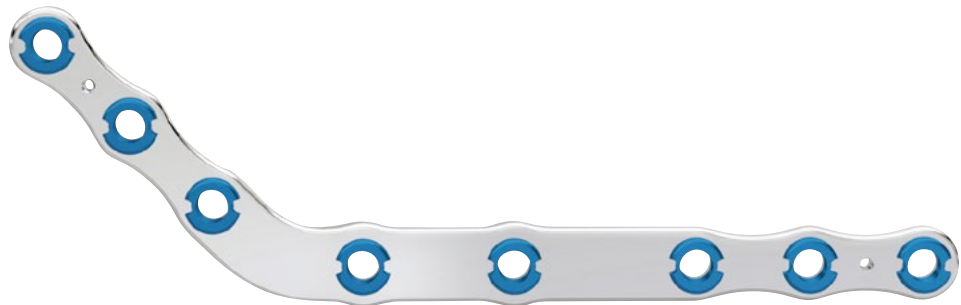
Medial 135°

Length: 125 mm

Thickness: 2.0 mm

Holes: 8

[Tarsus panarthrodesis](#)



V3011

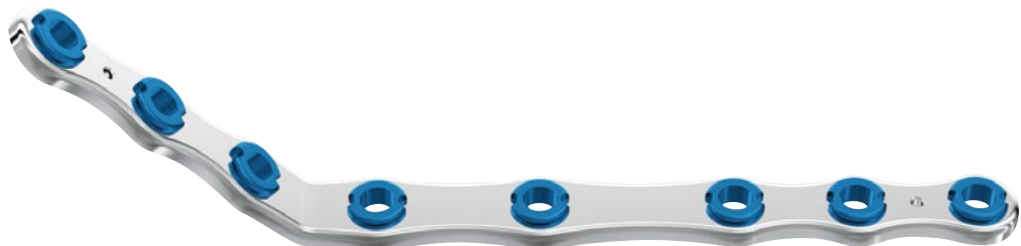
Dorsal 135°

Length: 120 mm

Thickness: 2.5 mm

Holes: 8

[Tarsus panarthrodesis](#)



V3012

Dorsal 135°

Length: 112 mm

Thickness: 2.5 mm

Holes: 5+3

[Tarsus panarthrodesis](#)



V3013 L/R

Medial 100°

Length: 110 mm

Thickness: 2.0 mm

Holes: 7

[Carpus panarthrodesis](#)



V3014 L/R

Medial 100°

Length: 95 mm

Thickness: 2.0 mm

Holes: 4+3

[Carpus panarthrodesis](#)



V3015

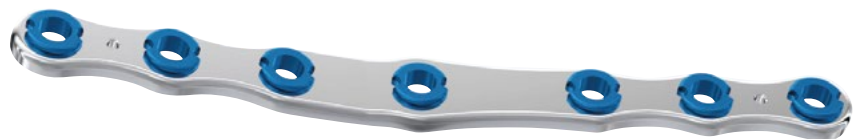
Dorsal 110°

Length: 111 mm

Thickness: 2.5 mm

Holes: 7

[Carpus panarthrodesis](#)



V3016

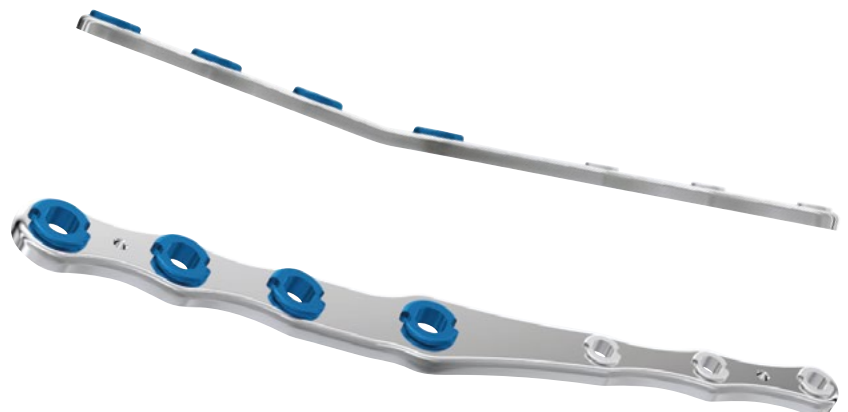
Dorsal 100°

Length: 109 mm

Thickness: 2.5 mm

Holes: 4+3

[Carpus panarthrodesis](#)



V3043 (L)

Prebended
Length: 87 mm
Thickness: 2.5 mm
Holes: 6



TPLO
Large breeds

V3033 (L)

Prebended
Length: 41 mm
Thickness: 1.5 mm
Holes: 4



TPLO

V3034 (R)

Prebended
Length: 41 mm
Thickness: 1.5 mm
Holes: 4



TPLO

V3044 (R)

Prebended
Length: 87 mm
Thickness: 2.5 mm
Holes: 6



TPLO
Large breeds

V3045 (L)

Prebended
Length: 46 mm
Thickness: 2.0 mm
Holes: 4



TPLO

V3046 (R)

Prebended
Length: 46 mm
Thickness: 2.0 mm
Holes: 4



TPLO

V3021

Prebended

Length: 44 mm
Thickness: 1.5 mm
Holes: 4

TPLO/TWO/TTO



V3003

T support

Length: 53 mm
Thickness: 2.0 mm
Holes: 4

TPLO/TWO/TTO

Proximal tibia - Distal tibia - Tibia -
Proximal radius - Distal radius -
Carpus and tarsus partial arthrodesis



V3022

Prebended

Length: 56 mm
Thickness: 2.0 mm
Holes: 5

TPLO/TWO/TTO



V3004

T support

Length: 75 mm
Thickness: 2.0 mm
Holes: 6

TPLO/TWO/TTO

Proximal tibia



V3001

T support

Length: 45 mm
Thickness: 1.5 mm
Holes: 4

TPLO/TWO/TTO

Proximal tibia - Distal tibia -
Proximal radius - Distal radius -
Carpus and tarsus partial arthrodesis



V3002

T support

Length: 56 mm
Thickness: 2.0 mm
Holes: 5

TPLO/TWO/TTO - Proximal tibia - Tibia





V3005 L/R

L support

Length: 64 mm
Thickness: 2.0 mm
Holes: 6

Distal femur - Femur



V3006 L/R

L support

Length: 81 mm
Thickness: 2.5 mm
Holes: 6

Distal femur - Femur

V3061 (L) / V3062 (R)

Clover medium

Length: 55 mm
Thickness: 2.7 mm
Holes: 5+1



TPLO

NOTE: this implant requires VS355 Low profile
bushing extractor to remove bushings.
Require cortical screw 3.5 mm

V3063 (L) / V3064 (R)

Clover large

Length: 60,5 mm
Thickness: 2.8 mm
Holes: 5+1



TPLO

NOTE: this implant requires VS355 Low profile
bushing extractor to remove bushings.
Require cortical screw 3.5 mm

V3051 (L) - V3052 (R)

CBLO support

Length: 74 mm

Thickness: 2.5 mm

Holes: 6

CBLO

Note: this implant requires VS355

Low profile bushing extractor
to remove bushings



V3055 (L) - V3056 (R)

CBLO "7" support

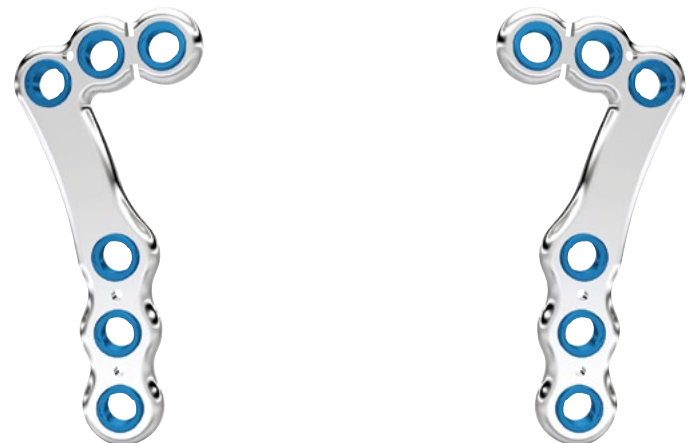
M size

Length: 58 mm

Thickness: 2.5 mm

Holes: 6

CBLO



V3053 (L) - V3054 (R)

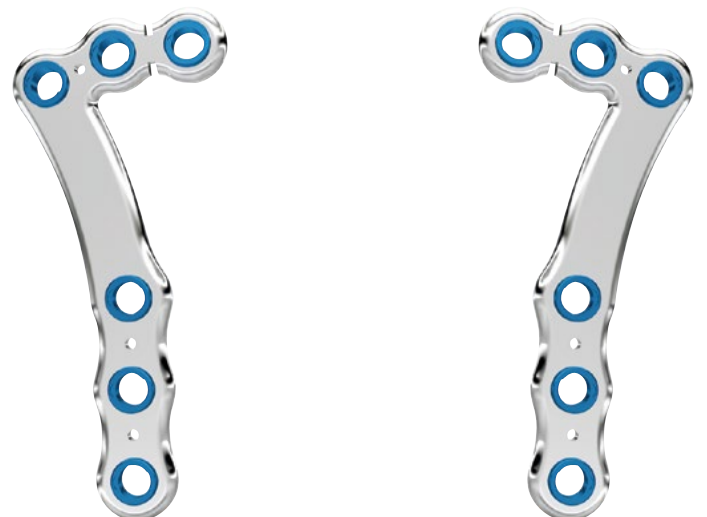
CBLO "7" support

Length: 68 mm

Thickness: 2.5 mm

Holes: 6

CBLO



V3107 (L) 20° - V3108 (R) 20°

TPO/DPO support

Length: 40 mm

Thickness: 3.0 mm

Holes: 3+3



TPO/DPO

Note: this implant requires VS355

Low profile bushing extractor
to remove bushings

V3113 (L) 20° - V3114 (R) 20°

TPO/DPO support

Length: 43 mm

Thickness: 3.0 mm

Holes: 3+4



TPO

Note: this implant requires VS355

Low profile bushing extractor
to remove bushings

V3109 (L) 25° - V3110 (R) 25°

DPO support

Length: 40 mm

Thickness: 3.0 mm

Holes: 3+3



DPO

Note: this implant requires VS355

Low profile bushing extractor
to remove bushings

V3115 (L) 25° - V3116 (R) 25°

DPO support

Length: 43 mm

Thickness: 3.0 mm

Holes: 3+4



TPO

Note: this implant requires VS355

Low profile bushing extractor
to remove bushings

V3111 (L) 30° - V3112 (R) 30°

DPO support

Length: 40 mm

Thickness: 3.0 mm

Holes: 3+3



DPO

Note: this implant requires VS355

Low profile bushing extractor
to remove bushings

V3117 (L) 30° - V3118 (R) 30°

DPO support

Length: 43 mm

Thickness: 3.0 mm

Holes: 3+4



TPO

Note: this implant requires VS355

Low profile bushing extractor
to remove bushings

Supports

Ref.	Support	L. mm	THK mm	Holes
V3001	T	45	1.5	4
V3002	T	56	2.0	5
V3003	T	53	2.0	4
V3004	T	75	2.0	6
V3005	L (L/R)	64	2.0	6
V3006	L (L/R)	81	2.5	6
V3009	Medial 135° (L/R)			
	Tarsus panarthrodesis	115	2.0	5+3
V3010	Medial 135° (L/R)			
	Tarsus panarthrodesis	125	2.0	8
V3011	Dorsal 135°			
	Tarsus panarthrodesis	120	2.5	8
V3012	Dorsal 135°			
	Tarsus panarthrodesis	112	2.5	5+3
V3013	Medial 100° (L/R)			
	Carpus panarthrodesis	110	2.0	7
V3014	Medial 100° (L/R)			
	Carpus panarthrodesis	95	2.0	4+3
V3015	Dorsal 110°			
	Carpus panarthrodesis	111	2.5	7
V3016	Dorsal 100°			
	Carpus panarthrodesis	109	2.5	4+3
V3021	TPLO T prebended	44	1.5	4
V3022	TPLO T prebended	56	2.0	5
V3033	TPLO L prebended (L)	41	1.5	4
V3034	TPLO L prebended (R)	41	1.5	4
V3043	TPLO prebended (L)	87	2.5	6
V3044	TPLO prebended (R)	87	2.5	6
V3045	TPLO L prebended (L)	46	2.0	4
V3046	TPLO L prebended (R)	46	2.0	4
V3051	CBLO (L)	74	2.5	6
V3052	CBLO (R)	74	2.5	6
V3053	CBLO "7" (L)	68	2.5	6
V3054	CBLO "7" (R)	68	2.5	6
V3055	CBLO "7" (L)	58	2.5	6
V3056	CBLO "7" (R)	58	2.5	6
V3061	TPLO clover medium (L)	55	2.7	5+1
V3062	TPLO clover medium (R)	55	2.7	5+1
V3063	TPLO clover large (L)	60.5	2.8	5+1
V3064	TPLO clover large (R)	60.5	2.8	5+1
V3107	TPO/DPO 20° (L)	40	3.0	3+3
V3108	TPO/DPO 20° (R)	40	3.0	3+3
V3109	DPO 25° (L)	40	3.0	3+3
V3110	DPO 25° (R)	40	3.0	3+3
V3111	DPO 30° (L)	40	3.0	3+3

Supports

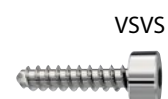
Ref.	Support	L. mm	THK mm	Holes
V3112	DPO 30° (R)	40	3.0	3+3
V3113	TPO/DPO 20° (L)	43	3.0	4+3
V3114	TPO/DPO 20° (R)	43	3.0	4+3
V3115	DPO 25° (L)	43	3.0	4+3
V3116	DPO 25° (R)	43	3.0	4+3
V3117	DPO 30° (L)	43	3.0	4+3
V3118	DPO 30° (R)	43	3.0	4+3
V3201	Straight	60	1.5	4
V3202	Straight	80	2.0	6
V3203	Straight	109	2.0	6
V3204	Straight	68	2.0	5
V3302	Straight	95	2.5	6
V3303	Straight	119	2.5	6
V3304	Straight	139	2.5	6
V3305	Straight	161	2.5	8
V3401	Straight	172	3.0	6
V3402	Straight	193	3.0	8

Instrumentation

Ref.	Description
VS33	Depth meter Ø 3.0 - 3.5 mm
S340	Hexagonal screwdriver Ø 2.5 mm
VS35	Bushing carrier/extractor
VS380	Drill guide Ø 3.5 mm
VS381	Drill guide Ø 3.0 mm
VS390	Drill bit Ø 2.8 mm
VS391	Drill bit Ø 2.5 mm
VS36	Pinstoppers 3.0 - 3.5 series
VS360	Pinstopper wire Ø 2.5 mm (10 pcs.)
VSVS	Temporary stab. screw Ø 3.5 mm
VSV30	Temporary stab. screw Ø 3.0 mm

DPO instrumentation

Ref.	Description
VS355	Low profile bushing extractor
VS383	DPO positioner
VS382	Extra long drill guide Ø 3.5 mm



Bushing

Ref.	Description
V130	Bushing
V135	Plug
V136	Head converter
V133	Low profile Bushing (DPO plate)



V130



V133



V135



V136

Screw case

Ref.	Description
VS310	Screw case Ø 3.0 - 3.5 - 3.5 C
VS311	3.0 - 3.5 tray 260x120x30 mm



VS310

Autlocking screws Ø 3.0 mm

Ref.	L. mm
V2610	10
V2612	12
V2614	14
V2616	16
V2618	18
V2620	20
V2622	22
V2624	24
V2626	26
V2628	28
V2630	30



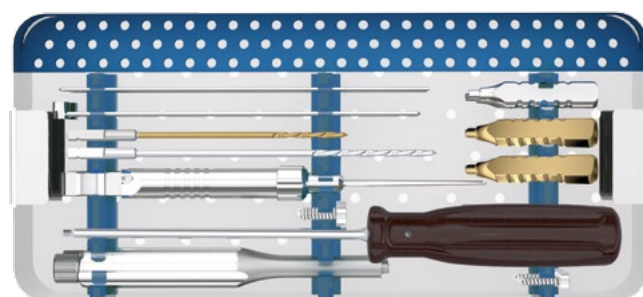
Ø 3.0 mm - Ti6Al4V - ISO 5832-3



Ø 3.5 mm - Ti6Al4V - ISO 5832-3

Autlocking screws Ø 3.5 mm

Ref.	L. mm
V3512	12
V3514	14
V3516	16
V3518	18
V3520	20
V3522	22
V3524	24
V3526	26
V3528	28
V3530	30
V3532	32
V3534	34
V3536	36
V3538	38
V3542	42
V3546	46
V3550	50
V3554	54
V3558	58
V3562	62
V3566	66
V3570	70



VS311

The tray is provided without instruments

Screw case

Ref.	Description
VS314	Blue sterilization case (holds two instrument trays/sets) 300x140x100 mm



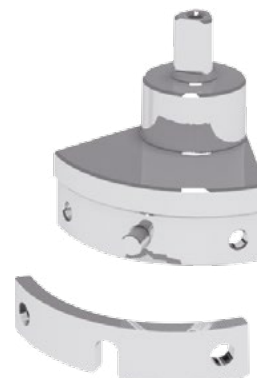
VS314

FIXIN Saw Blades

Ref.	Description	Radius
VS908	Saw blade TPLO/CBLO	8
VS909	Saw blade TPLO/CBLO	9.5
VS912	Saw blade TPLO/CBLO	12
VS915	Saw blade TPLO/CBLO	15
VS918	Saw blade TPLO/CBLO	18
VS921	Saw blade TPLO/CBLO	21
VS924	Saw blade TPLO/CBLO	24
VS927	Saw blade TPLO/CBLO	27
VS930	Saw blade TPLO/CBLO	30
VS940	Hub small	9.5-12-15
VS941	Hub medium	18-21
VS942	Hub large	24-27-30



Saw blade



Hub

K-wires

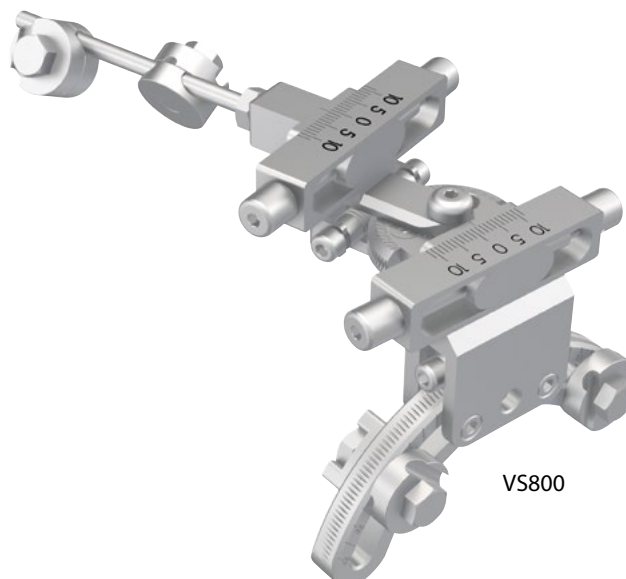
Ref.	Description	Qty
VS4100	Ø 1.0 mm K-wire	10
VS4110	Ø 1.2 mm K-wire	10
VS4120	Ø 1.5 mm K-wire	10
VS4130	Ø 2.0 mm K-wire	10

Jig

Ref.	Description
VS800	Limb Deformity Jig
VS900	TPLO Modular Jig (large - medium - small) stainless steel



VS900



VS800

Plate bender

Ref.	Description
------	-------------

VS325	Fixin Plate Bender 1.9-2.5 / 3.0-3.5
-------	--------------------------------------



1.9-2.5 Series
Bushing hole

3.0-3.5 Series
Bushing hole

Weight table / Kg





The values in this table are provided only as a guide. The implant choice has to be based on surgeons experience, also surgeons have to consider patientes attitude, temperament and containment conditions.

TPLO. Weight Range Chart.

TPLO	WEIGHT	PRODUCT CODE
4 Hole Plate	10kg up to 15kg	2061, 2062
4 Hole Plate	up to 25Kg is good, with good confidence in Osteotomy up to 35Kg	3001, 3003, 3021, 3033, 3034
5 Hole Plate	up to 40Kg	3002, 3022, 3061, 3062
6 Hole Plate	up to 60Kg	3043/3044 = 2.5mm thickness 3004 = 2.0mm thickness

Note: the table is provided as a guide.

The implant choice is based on surgeons experience, also surgeons have to consider patients attitude temperament and containment conditions.

TPLO Rotation. Quick Reference Chart.

Preoperative Tibial Plateau Angle (TPA)														
Rotation (mm) – Provides Resultant 5° TPA														
Saw Radius	12 mm	2.0	2.2	2.4	2.6	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5
	15 mm	2.6	2.8	3.1	3.3	3.6	3.8	4.1	4.3	4.6	4.9	5.1	5.4	5.6
	18 mm	3.1	3.4	3.7	4.0	4.3	4.6	4.9	5.2	5.5	5.8	6.1	6.5	6.8
	21 mm	3.6	4.0	4.3	4.7	5.0	5.4	5.8	6.1	6.5	6.8	7.2	7.5	7.9
	24 mm	4.1	4.5	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.2	8.6	9.0
	27 mm	4.7	5.1	5.6	6.0	6.5	7.0	7.4	7.9	8.4	8.8	9.3	9.7	10.2
	30 mm	5.2	5.7	6.2	6.7	7.2	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.3

Preoperative Tibial Plateau Angle (TPA)														
Rotation (mm) – Provides Resultant 5° TPA														
Saw Radius	12 mm	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.4	6.6	6.8	7.0
	15 mm	5.9	6.1	6.4	6.6	6.9	7.1	7.4	7.6	7.9	8.1	8.4	8.6	8.8
	18 mm	7.1	7.4	7.7	8.0	8.3	8.6	8.9	9.2	9.5	9.8	10.1	10.3	10.6
	21 mm	8.3	8.6	9.0	9.3	9.7	10.0	10.4	10.7	11.1	11.4	11.8	12.1	12.4
	24 mm	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.7	13.1	13.5	13.9	14.3
	27 mm	10.6	11.1	11.6	12.0	12.5	12.9	13.4	13.8	14.3	14.7	15.2	15.6	16.1
	30 mm	11.8	12.3	12.9	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.4	17.9

Notes

[illegible]



Intrauma S.p.A. - Via Genova, 19 - 10098 Rivoli (TO) Italia
Tel. +39.011.953.94.96 - Fax +39.011.957.42.91 - fixin@intrauma.com - www.intrauma.com

USA Office: **Intrauma America LLC** – Suite 304 - 50 Harrison str. - 07030 Hoboken - NJ
P. 201.420.0110 - F. 201.420.0228 – orders@intrauma.com