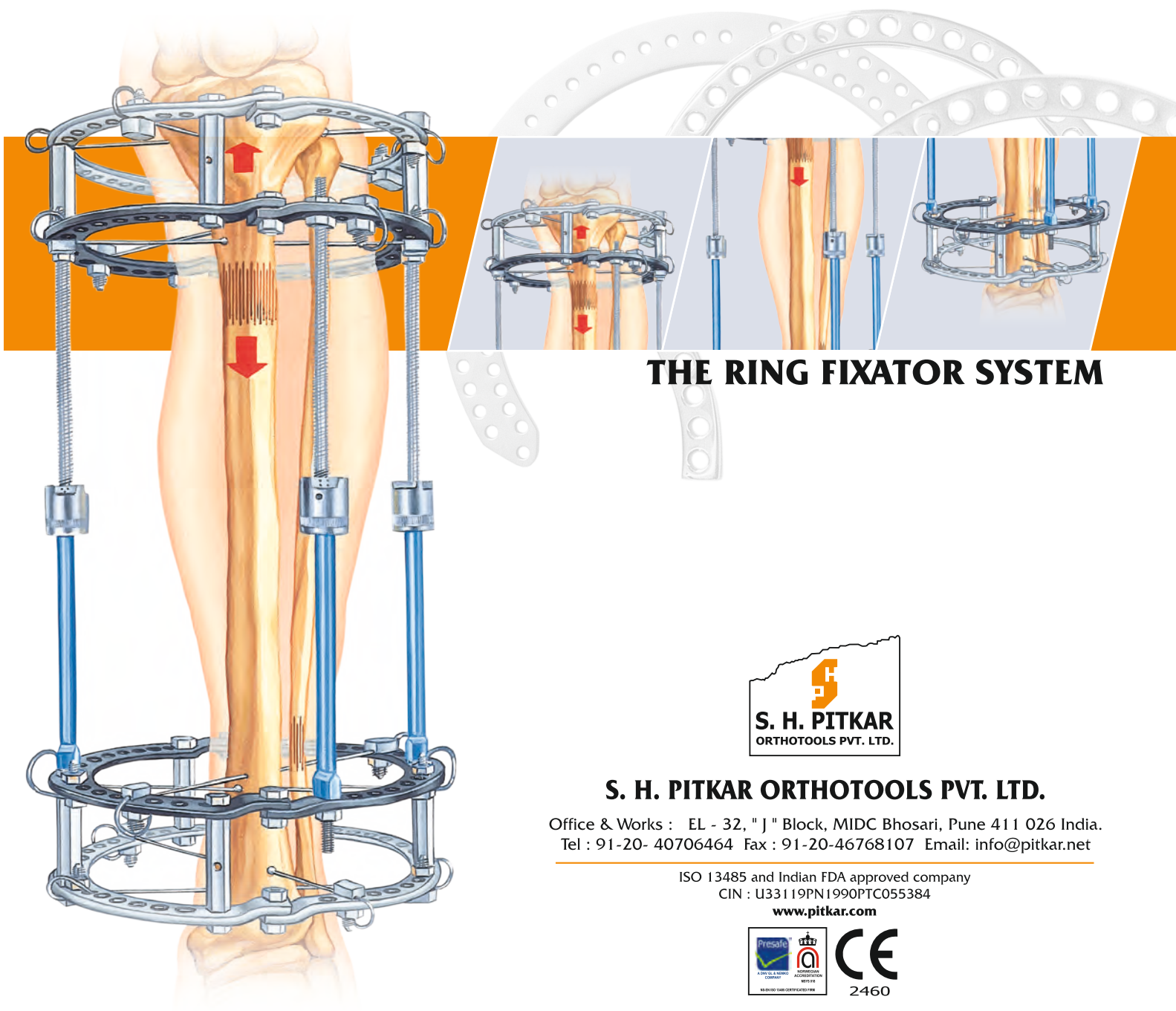




THE RING FIXATOR SYSTEM



S. H. PITKAR ORTHOTOOLS PVT. LTD.

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ISO 13485 and Indian FDA approved company

CIN : U33119PN1990PTC055384

www.pitkar.com



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- The Traditional Ring Fixator is a very versatile circular External Fixation design allows patients with complex diseases & bony defects to be treated effectively that would have been otherwise unsuccessful with traditional methods.
 - Pitkar's Ring Fixator matches to various parts of original Ilizarov fixator thereby conforming part-to-part replacement at affordable rates.
 - There are many technical firsts in Pitkar's Ring Fixator like option of Tapered Pins with or without hydroxy appetite coating for its hybrid use, single piece wire with stopper that prevents corrosion at brazed joint, Tensioners that is calibrated to measure accurate tension provided to wires.
 - Continuing Medical Education is way of life at Pitkar Orthotools. We strongly recommend use of this fixator after proper training under guidance of trained faculty. Every year, we conduct about 6 courses annually to train Ring fixator users across the globe. From 1993, Pitkar's have trained > 10000 surgeons on ring fixation use for designated indications.

*** Proper understanding of the device & technique are essential. Physicians/Surgeons are strongly encouraged to obtain instructions from other experienced clinicians to observe proper surgical procedure in initial use of Ring Fixator. SHPOPL conducts various graded symposium for Surgeons & strongly recommend use of apparatus only after proper training. It is expected that Surgeons should use apparatus for specific indications mentions & carefully study all warning & precautions prior to using apparatus.

Rings

**Half Rings**

Part No.	Internal Dia.
D 100000080	80
D 100000100	100
D 100000110	110
D 100000120	120
D 100000130	130
D 100000140	140
D 100000150	150
D 100000160	160
D 100000180	180
D 100000200	200
D 100000220	220
D 100000240	240

**Composite Half Ring with Carbon Reinforcement**

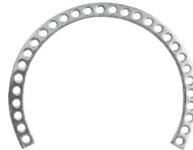
Part No.	Internal Dia.
D 103000080	80
D 103000100	100
D 103000110	110
D 103000120	120
D 103000130	130
D 103000140	140
D 103000150	150
D 103000160	160
D 103000180	180
D 103000200	200
D 103000220	220
D 103000240	240

**Rings with Curved Extremities**

Part No.	Internal Dia.
D 105000120	120 #
D 105000130	130 #
D 105000150	150 #
D 105000160	160 #

**Aluminium 2/3 Rings**

Part No.	Internal Dia.
D 230000140	140
D 230000160	160
D 230000180	180
D 230000200	200
D 230000220	220

**5/8 Rings**

Part No.	Internal Dia.
D 102000100	100 #
D 102000110	110 #
D 102000120	120 #
D 102000130	130
D 102000140	140 #
D 102000150	150
D 102000160	160
D 102000180	180 #
D 102000200	200 #

**Composite 5/8 Rings**

Part No.	Internal Dia.
D 106000100	100 #
D 106000120	120 #
D 106000130	130
D 106000180	180 #
D 106000200	200 #

**Composite Foot Rings with Carbon reinforcement Short Arm**

Part No.	Internal Dia.
D 104000080	80
D 104000100	100
D 104000120	120
D 104000140	140
D 104000160	160
D 104000180	180

**Composite Foot Rings with Carbon reinforcement Long Arm**

Part No.	Internal Dia.
D 107000080	80
D 107000100	100
D 107000120	120
D 107000140	140
D 107000160	160
D 107000180	180

Femoral Components



Italian Femoral Arches

Part No.	Description
D 108000190	90° Small
D 108001120	120° Small
D 108000390	90° Large
D 108003120	120° Large



Italian Femoral Arches with hole

Part No.	Description
D 228000190	90° Small
D 228001120	120° Small
D 228000390	90° Large
D 228003120	120° Large



Arches with Holes

Part No.	Internal Radius
D 110000090	90
D 110000110	110
D 110000120	120
D 110000140	140



Multiple Pin Fixation Clamp

Part No.	
D 168001000	



Single Pin Fixation Bolt

Part No.	
D 167000000	



Pin Fixation Bolt

Part No.	Size
D 166000030	3mm
D 166000040	4mm
D 166000050	5mm
D 166000060	6mm



13mm Nut

Part No.	
D 150000013	



Oblique Support Connection

Part No.	
D 180001000	

Telescopic Rods & Threaded Rods



Telescopic Rods

Part No.	Length
D 114000060	60
D 114000100	100
D 114000150	150

D 114000200	200
D 114000250	250
D 114000300	300 #
D 114000350	350 #
D 114000400	400 #



Graduated Telescopic Rods

Part No.	Length
D 115000060	60
D 115000100	100
D 115000150	150
D 115000200	200
D 115000250	250

Threaded Rods

Part No.	Length
D 111000040	40
D 111000060	60
D 111000080	80
D 111000100	100
D 111000120	120
D 111000150	150
D 111000200	200
D 111000250	250
D 111000300	300
D 111000350	350
D 111000400	400



Threaded Rods - Slotted

Part No.	Length
D 112000040	40
D 112000060	60
D 112000080	80
D 112000100	100



Threaded Rods - Partial

Part No.	Length
D 113000130	130
D 113000170	170
D 113000210	210

Post, Hinges and Universal Joints



Hinges - Female

Part No.

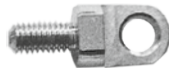
D 123000001

D 123000002

Description

Standard

Low Profile



Hinges - Male

Part No.

D 124000001

D 124000002

Description

Standard

Low Profile



Hinges - 90°

Part No.

D 125000190

D 125000290

Description

Standard

Low Profile



Post - Female

Part No.

D 121000002

D 121000003

D 121000004

Holes

2

3

4



Post - Male

Part No.

D 122000002

D 122000003

D 122000004

Holes

2

3

4



Knurling post male

Part No.

D 242000000



Cannulated knurling bolt

Part No.

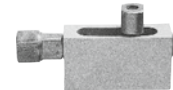
D 243000000



Universal Joint

Part No.

D 177001000



Rotational and Translational Device

Part No.

D 179001000

Plates and Bushing



Curved Plates

Part No.

D 141000003

Holes

3



Short Connection Plates

Part No.

D 131000235

D 131000345

D 131000455

D 131000565

D 131000675

D 131000785

D 131000895

D 131009105

D 131010115

Length

35

45

55

65

75

85

95

105

115

Holes

2

3

4

5

6

7

8

9

10



Composite Short Connection Plates

Part No.	Length	Holes
D 132000235	35	2
D 132000345	45	3
D 132000455	55	4
D 132000565	65	5
D 132000675	75	6
D 132000785	85	7
D 132000895	95	8
D 132009105	105	9
D 132010115	115	10



Connection Plates with Threaded Ends

Part No.	Length	Holes
D 135005135	135	5
D 135007175	175	7
D 135009215	215	9
D 135011255	255	11



Long Connection Plates

Part No.	Length	Holes
D 133008155	155	8
D 133012235	235	12
D 133017335	335	17



Composite Long Connection Plates

Part No.	Length	Holes
D 134008155	155	8
D 134012235	235	12
D 134017335	335	17



Bushing

Part No. D 142000000



Twisted Plates

Part No.	Length	Holes
D 140000245	45	2 #
D 140000365	65	3
D 140000485	85	4

Threaded Sockets and Buckles



Threaded Sockets

Part No.	Length
D 148000020	20
D 148000030	30
D 148000040	40
D 148000060	60



Wire Fixation Buckle

Part No. D 169000000



Wire Fixation Bolts

Part No.	Description
D 163000000	Cannulated
D 164000000	Threaded Head
D 162000000	Slotted



Connection Bolts

Part No.	Dia
D 149000010	10
D 149000016	16
D 149000020	20
D 149000030	30

BOLTS, NUTS, WASHERS, BLOCKS & WIRES



Nut

Part No.	Description
D 150000006	Nut
D 151000000	Thin Nut
D 152000000	Nylon Insert Nut
D 153000000	Square Nut



Flat Sided Washers

Part No.	Thickness
D 156000020	2.0
D 156000040	4.0



Slotted washers

Part No.	Thickness
D 157000040	4.0



Spacing Washers

Part No.	Thickness
D 154000015	1.5
D 154000020	2.0

**Split Locking Washers**

Part No.	Thickness
D 155000020	2.0

**Conical Washer Couple**

Part No.	
D 158001000	

**Star Washers**

Part No.	
D 159001000	

**Blocks For Half Pins**

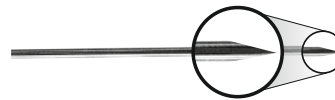
Part No.	Holes
D 176000001	1
D 176000002	2
D 176000003	3
D 176000004	4
D 176000005	5

**Blocks For Half Pins to be used with Sleeves**

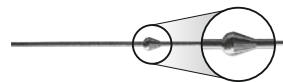
Part No.	Holes
D 200000001	1
D 200000002	2
D 200000003	3
D 200000004	4
D 200000005	5

**Sleeves**

Part No.	Length
D 201000003	3mm
D 201000004	4mm
D 201000005	5mm
D 201000006	6mm

**Wires**

Part No.	Dia
D 187015300	1.5 Bayonet-Cortical
D 187018370	1.8 Bayonet- Cortical
D 188015300	1.5 Trocar-Cancellous
D 188018370	1.8 Trocar-Cancellous

**Wires With Stopper**

Part No.	Dia
D 189015300	1.5 Bayonet
D 189018400	1.8 Bayonet

Instruments for Set Screws

Drill Guide 4.8 mm	D 507001000
Screw Guide 6 mm	D 508001000
Trocar 6 mm	D 509001000
Set Screw	D 181000000
Straight Screw Driver for Set	
Screws 3mm A/F	D 510001000
90o Screw Driver for Set Screws	
3mm A/F	D 511001000

Basic Instrument set

Box Wrench for Nut D 505001000
Box Wrench for Bolt D 500001000
Combination Wrench

Size	Part No.
10mm	D 502101000
13mm	D 502131000
19mm	D 502191000

Wire Tensioner - Mechanical D 502001000
Wire Tensioner - Direct Measuring Corticotome D 503001000

Size	Part No.
3mm	D 504001003
5mm	D 504001005
7mm	D 504001007
9mm	D 504001009
Half Pin Introducer	C 507001000

Containers

Rings 80-130 mm	H 832001000
Rings 140-180 mm	H 833001000
Rings 200-240 mm	H 825001000
Special Rings & Arches	H 826001000
Bolts, Nuts & Washers	H 827001000
Plates	H 828001000
Wires & Instruments	H 829001000
Rods, Posts, Support & Hinges	H 830001000
Telescopic Rod	H 831001000
Adult Tibial Basic Set	H 858001000
Adult femoral Basic set	H 859001000
Blocks for half pin components set	H 841001000
Basic Instruments set	H 854001000