

Trauma Screws & Bone Plates

1. Screws-types & sizes:

Description	Length in mm	Applications
Cortical screws:		
2.7 mm	6-8-10-12-14-16-20-24	In small cortex bones.
3.5 mm in 1.25 & 1.75 mm pitch	10-40 mm with 2 mm integral	In small cortex bones.
4.5 mm	12-70 mm with 2 mm integral	In Large Cortex bones.
Malleolar screws:		
4.5 mm	25-70 mm with 5 mm integral	For operation of malleoli.
Cancellous screws:		
4 mm	10-30 mm with 2 mm incremental & 30-50 mm with 5 mm incremental	In small cancellous bones. In large cancellous bones.
6.5 mm-16/32 TL	25-105 mm with 5 mm incremental	
Cannulated Cancellous Screws:		
4 mm	35-105 mm with 5 mm incremental	In small cancellous bones.
7 mm	35-105 mm with 5 mm incremental	In large cancellous bones.
Other screws:		
Hip fix screw with compression screw	40-110 mm with 5 mm incremental	Pertrochanteric, Intertrochanteric and subtrochanteric fractures of femur.

2. Plates types & sizes:

Description	Specifications	Applications
Self Compression Plates:		
Small	3-10 holes with 1 Hole incremental & 12 Holes	Plates for small bone screws-fractures of radius, ulna and clavicle.
Narrow	4-10 Holes with 1 hole incremental & 12 Holes	Plates for large bone screws.
Broad	6-9 holes with 1 hole & 10- 16 holes with 2 holes incremental	Plates for large bone screws.
Low Contact Self Compression Plates:		
Small	4-10 Hole with 1 hole incremental & 12 holes	Plates for small bone screws-fractures of radius, ulna & clavicle.
Narrow	4-10 holes with 1 hole incremental & 12,14 holes	Plates for large bone screws.

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Broad	6-10 holes with 1 hole incremental, 12-18 holes with 2 holes incremental	Plates for large bone screws.
1/3 rd tubular Plates	1-10 holes with 1 hole incremental.	Plate for small fragment fractures of fibula, metatarsals & metacarpals.
Semi Tubular plates	3-12 holes with 1 hole incremental.	As a tension band plate on radius & ulna.
Special Plates:		
Reconstruction Plates: 4.5 mm	3-12 holes with 1 hole incremental	Pelvic, acetabular & mandibular reconstructive surgery.
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T plates	3-8 holes with 1 hole incremental	For humerus & tibia l head.
L Plates	4-8 holes with 1 hole incremental	For humerus & tibial head.
Spoon plates	5 & 6 holes	Shaft with V profile pertains to use on frontal edge of tibia.
Clover leaf plates	3,4,5,6 & 7 holes	For distal intra articular tibial fractures.
T buttress plates	4,5,6 & 7 holes	As buttress for tibial head.
L buttress plates	4,5,6 & 7 holes	As buttress for tibial head.
Condylar buttress plates with Self compression holes- Left & Right	6-15 holes with 1 hole incremental	As buttress for femoral condyles with multiple fragments.
Cobra head plate	8-11 holes with 1 hole incremental	For hip arthrodisis.
Y plates	2,3,4 holes	Fractures of distal humerus.
T plate right angled	3-4 holes on head & 3-6 holes on shaft	Fractures of distal radius
T plate oblique angled	3-6 holes with 1 hole incremental	Fractures of distal radius
Quarter tubular plate	3-7 holes with 1 hole incremental	Metacarpal and metatarsal fractures.
T plates for 2.7 mm	3 holes	Fractures of distal radius
L plates for 2.7 mm	3 holes	Fractures of distal radius
L-oblique for 2.7 mm	3 holes	Fractures of distal radius
Other Plates:		
Hip fix Plates with compression holes	3-11 holes with variation in angles from 130-145 degree-in short & long barrels	Petrochanteric, Intertrochanteric and subtrochanteric fractures of femur.
Hip fix plates with Self compression holes	3-11 holes with variation in angles from 130-145 degree-in short & long barrels	Petrochanteric, Intertrochanteric and subtrochanteric fractures of femur.