

# INSTRUCTIONS FOR USE

## DESCRIPTION

**TSI:** Tidal Spiral Implant is an internal hex spiral implant system

**TSS:** Tidal screw implant is an internal hex screw implant system

**TSM:** Tidal monoblock implant is monoblock one stage thin implant.

**TSB:** Tidal ball implant is ball attachment one stage thin implant.

Manufactured with :

- \* High precision machinery
- \* High grade titanium
- \* Specificity for Implantation into **maxillary and mandibular** bone
- \* Usable for all implant techniques and all bone types.

**Metal:** Titanium Grade 5 (Ti-6Al-4V)

**SURFACE** W. S.L.A. Surface (Wet Sand blasted, Large grid, Acid etched)

## STERILITY :

**TSI** Implants undergo **gamma sterilization**

## INDICATIONS FOR USE

**TSI** system is usable in

- \* single or multiple procedures
- \* cement, screw retained and/or over denture procedures

## DIRECTIONS FOR USE

The implantation procedure should be performed under aseptic and sterile conditions  
A 'physio-dispenser' drilling system with irrigation is recommended.

### DRILL SPEED

Drill Ø	Bone Type	Drill Speed RPM
1.90	I/II	1500
	III/IV	1500
2.00	I/II	900
	III/IV	1000
2.80	I/II	500
	III/IV	700
3.20	I/II	400
	III/IV	600
3.65	I/II	400
	III/IV	500
4.20-5.20	I/II	300
	III/IV	400

## IMPLANT DIAMETERS AND ABUTMENTS

TSI	3.75	4.20	5.00	6.00
PLATFORM	3.75	3.75	3.75	3.75

## IMPLANT LENGTHS mm

08.0	10.0	11.5	13.0	16.0
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DRILLING SEQUENCES for TSI, TSS T TSM TSB						
Implant Size	Drill	Drill	CONICAL DRILLS			
	2.00	2.80	3..20	3..65	4.20	5.20
6.00mm TSI	→	→	→	→	→	↓
5.00mm TSI	→	→	→	→	↓	↓
4.20mm TSI	→	→	→	↓	↓	↓
3.75mm TSI	→	→	↓	↓	↓	↓
3.20mm TMI & TBI	↓	↓	↓	↓	↓	↓
3.00mm TMI & TBI	↓	↓	↓	↓	↓	↓
Final drill	2.0 Soft Bone	2.8 Hard Bone	3.2	3.65	4.2	5.2

## CONTRAINDICATIONS

### General contraindications

Cardiovascular disorders involving the risk of endocarditis  
coronary insufficiency, blood dyscrasias, A.I.D.S.  
patients on anticoagulant Rx, corticosteroids treatment  
cancers and chemotherapeutic treatments, osteoporosis  
radiotherapy of the cervico-facial region, pregnancy  
uncontrolled or insulin-dependant diabetes, endocrine disorders

### Possible contraindications

Poor oral hygiene, bruxism, alcoholism, smoking, drug abuse  
psychological problems, aggressive behavior

### Temporary contraindications

Systemic infection, local, oral or respiratory infections

### Local contraindications

Insufficient alveolar bone width and height  
to ensure the encompassing of the implant  
with at least one millimeter of bone  
Infections, cysts, tumors,  
periodontal disease, prosthodontics problems

CATALOG NO. = REF. NO

**TSI 35 - 375 - 080**

Implant Model ↓ Implant Diameter ↓ Implant Length ↓  
Implant Platform

## RATCHET

Universal, USA standard square 4mm.

## TECHNIQUES

- 1) Determine local anatomy with the use of local X-rays, CT., Clinical examination, study models etc.
- 2) Planning the site, the technique and the dimensions of the implant to be used

Careful management and high precision is recommended

## USED MEDICAL SYMBOLS



Manufacturer



Date of manufacture



Use by YYYY-MM



Do not reuse



Catalog number



Lot number



Sterilized using irradiation



For prescription only

ISO 13458:2003



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