

Touareg CloseFit™

Conical Hex
Implant System



LEAVE
LIMITS
BEHIND

About ADIN

Adin Dental Implant Systems Ltd., designs, manufactures and markets state of the art, technologically advanced dental implant solutions. For more than 20 years, Adin has provided dentists and dental technicians with innovative solutions and advanced knowledge into the field of implant dentistry. The Adin plant and headquarters is located in northern Israel and employs highly skilled staff each of whom play a significant role in Adin's growing success. Adin highly values each hard working employee and attributes its growing success to their continuous dedication.

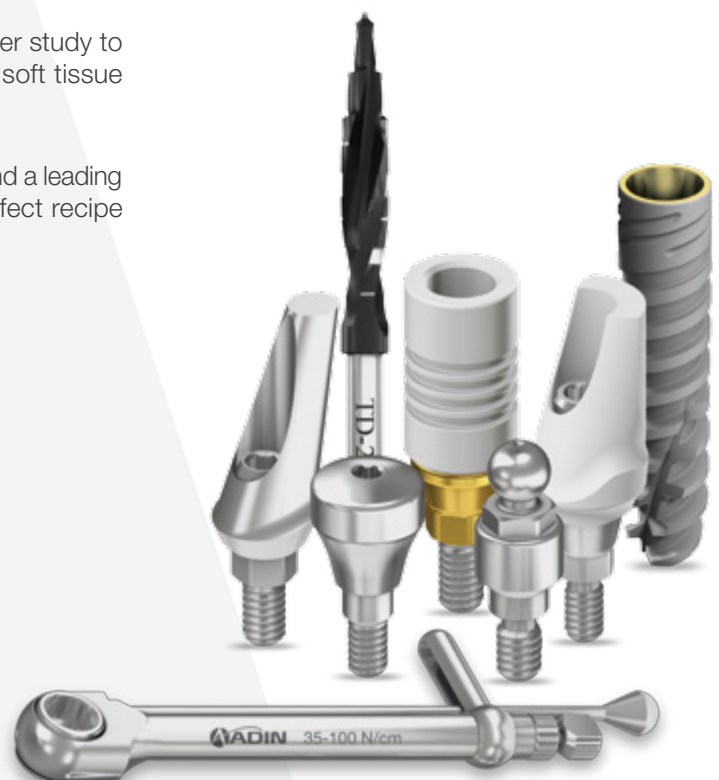
Over the years, Adin has continuously focused on advancing its highly professional research and development team to ensure the production of technologically advanced, high quality products. Adin works closely with the industry's leading dental professionals, surgeons and technicians, in both private and public sectors, along with dental schools in leading universities to provide customers with the most current, up-to-date industry knowledge and information.

Adin prides itself on providing excellent customer service, constant customer communication and the availability to provide continuous excellent implantology solutions, from the simplest restorative case to the most complex surgical case.

Adin's commitment to education today reflects on a better future and improving overall customer satisfaction. Adin highly values continuous education, offering customers new research opportunities to explore and review new ideas in the field of Implantology.

Currently, Adin is running a prospective multi-center study to validate the survival rates, bone remodeling and soft tissue maintenance of all dental implant systems.

With high quality implants, great customer service and a leading research and development team, Adin is the perfect recipe for success.



Touareg CloseFit™

The Touareg CloseFit™ spiral implant system offers a unique, strong and solid conical-hex connection, enabling implants to be used in all indications and regions, in the lower and the upper jaw. The CloseFit™ conical-hex connection minimizes micro movements between the implant and abutment.

The Touareg CloseFit™ spiral implant system is comprised of a tapered core implant with a spiral tap, promoting increased immediate stability. Unlike conventional self-tapping implants, which scrape the bone away as they tap, Touareg Closefit™ implants slice through the bone, thanks to their unique tip and double lead thread design (2x1.2mm).

By repositioning bone as they are being inserted, Touareg CloseFit™ implants can be placed at different angles for exceptional primary stability and optimal restorative orientation, along with improved esthetics and better loading distribution.

The Touareg CloseFit™ implants feature Adin's OsseoFix™ implant surface. Enriched with calcium, phosphorus and oxygen, OsseoFix™ surface is biocompatible and osseointegrative. It uses calcium phosphate, a biocompatible resorbable blast media (RBM) that is debris free. Osseofix™ has proven to achieve the desired roughness levels needed for optimal osseointegration, attain highest implant surface purity levels and increase the success rate of Bone to Implant Contact (BIC).

OsseoFix™ Surface Treatment Advantages:

- ▶ Biocompatible resorbable material creating a pure and clean surface texture
- ▶ Accelerates the healing process
- ▶ Increases optimal osseointegration
- ▶ Increases long term success

Touareg CloseFit™ Advantages:

- ▶ High primary stability, even in Type IV bone
- ▶ Self-tapping
- ▶ Double lead threads (2x1.2mm)
- ▶ Redirecting capability for more accurate implant placement
- ▶ Built-in platform switching and a strong CloseFit™ connection
- ▶ Requires minimally invasive surgery
- ▶ Immediate function / loading capability in all bone types

TOUAREG™-WP ▶

4.3/5.0mmD
Wide Platform
for wide/ large
ridges and spaces



◀ TOUAREG™-RP

3.5mmD
Regular Platform for standard
size ridges and spaces



◀ TOUAREG™-NP

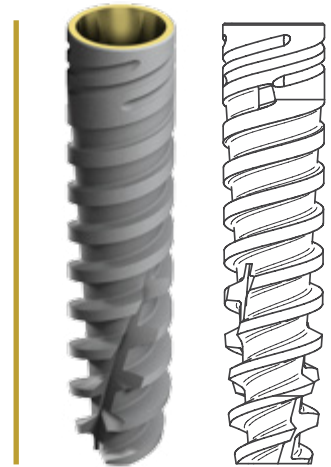
3.0mmD
Narrow Platform for
narrow ridges
and tight spaces

Touareg CloseFit™ NP_{3.0mmD} Narrow Platform Implant System

The Touareg CloseFit™ NP is a uniquely designed implant with an especially narrow body and a 3.0mm prosthetic platform diameter. The strong and solid CloseFit™ conical-hex connection enables this implant to be used in the lower and upper jaw.

With high quality and narrow platform switching, the Touareg CloseFit™ NP 3.0mm has proven to have a very high fatigue strength and best comparative results, what makes it the most successful and leading narrow platform implant.

Length	Catalog No.
L-10 mm	ISPNP1030
L-11.5 mm	ISPNP1130
L-13 mm	ISPNP1330
L-16 mm	ISPNP1630
L-18 mm	ISPNP1830



Touareg™ NP 3.0mmD Product Assortment (The full components list can be found in Adin's Product Catalog)

Healing Abutment

	NP0047	NP Slim Healing Abutment 3mmD x 3mmL	Ti Grade 5
	NP0048	NP Slim Healing Abutment 3mmD X 4mmL	Ti Grade 5
	NP0008	NP Healing Abutment 4.5mmD X 3mmL	Ti Grade 5
	NP0009	NP Healing Abutment 4.5mmD X 4mmL	Ti Grade 5
	NP0091	NP Conical Healing Abutment 4.5mmD x 3mmL	Ti Grade 5
	NP0092	NP Conical Healing Abutment 4.5mmD x 4mmL	Ti Grade 5

Cement Retained

	NP0010	NP Straight Slim Abutment - No End Line	Ti Grade 5
	NP0019	NP Straight Abutment 1mm	Ti Grade 5
	NP0015	NP CloseFit™ Angled Abutment 15° 1mm	Ti Grade 5
	NP0026	NP CloseFit™ Angled Abutment 15° 2mm	Ti Grade 5
	ZA0105	NP Straight Zirconium Abutment w / Titanium Base	Zirconium / Ti Grade 5
	ZA0107	NP Angled Zirconium Abutment 15° w / Titanium Base	Zirconium / Ti Grade 5

Screw Retained

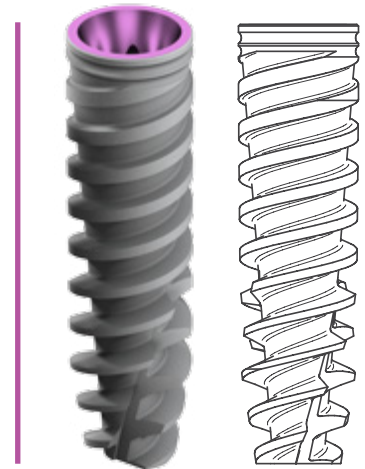
	NP0032	NP Straight Trans Mucosal Abutment 1mm	Ti Grade 5
	NP0033	NP Straight Trans Mucosal Abutment 2mm	Ti Grade 5
	NP0035	NP Angled Trans Mucosal Abutment 17° 3mmL	Ti Grade 5
	NP0036	NP Angled Trans Mucosal Abutment 30° 3.5mmL	Ti Grade 5
	RS4900	TMA Titanium Temporary Copying	Ti Grade 5
	RS5006	TMA Impression Coping Open Tray	Ti Grade 5
	RS5011	TMA Closed Tray Transfer	Ti Grade 5
	NP0021	NP Ball Attachment 1mm	Ti Grade 5
	RS2660	Plastic Ball Cap White	Nylon
	RS2670	Titanium Ball Cap	Ti Grade 5

Touareg CloseFit™ RP 3.5mmD Regular Platform Implant System

The Touareg™ RP is a 3.5mmD platform implant that features the unique, strong and solid CloseFit™ conical-hex connection with the OsseoFix™ surface treatment.

The Touareg CloseFit™ RP can be used in all indications, in all regions on the lower and upper jaw.

Length	Catalog No.
L-8 mm	ISPX0835
L-10 mm	ISPX1035
L-11.5 mm	ISPX1135
L-13 mm	ISPX1335
L-15 mm	ISPX1535
L-18 mm	ISPX1835



Touareg™ RP 3.5mmD Assortment (The full components list can be found in ADIN's Product Catalog)

Healing Abutment

	RP0047	RP Slim Healing Abutment 3.5mmD x 3mmL	Ti Grade 5
	RP0048	RP Slim Healing Abutment 3.5mmD x 4mmL	Ti Grade 5
	RP0023	RP Healing Abutment 4.5mmD x 3mmL	Ti Grade 5
	RP0024	RP Healing Abutment 4.5mmD x 4mmL	Ti Grade 5
	RP0091	RP Conical Healing Abutment 4.5mmD x 3mmL	Ti Grade 5
	RP0092	RP Conical Healing Abutment 4.5mmD x 4mmL	Ti Grade 5

Cement Retained

	RP0020	RP Straight Slim Abutment - No End Line	Ti Grade 5
	RP0012	RP Straight Abutment 1mm	Ti Grade 5
	RP0013	RP Angled Abutment 15° 1mm	Ti Grade 5
	RP0014	RP Angled Abutment 15° 2mm	Ti Grade 5
	ZA0214	RP Straight Zirconium Abutment w / Titanium Base	Zirconium / Ti Grade 5
	ZA0207	RP Angled Zirconium Abutment 15° w / Titanium Base	Zirconium / Ti Grade 5

Screw Retained

	RP0032	RP Straight Trans Mucosal Abutment 1mm	Ti Grade 5
	RP0033	RP Straight Trans Mucosal Abutment 2mm	Ti Grade 5
	RP3734	RP Angled Trans Mucosal Abutment 17° 2.5mm	Ti Grade 5
	RP3737	RP Angled Trans Mucosal Abutment 17° 3.5mm	Ti Grade 5
	RS4900	TMA Titanium Temporary Copying	Ti Grade 5
	RS5006	TMA Impression Coping Open Tray	Ti Grade 5
	RS5011	TMA Closed Tray Transfer	Ti Grade 5
	RP0052	RP Ball Attachment 1mm	Ti Grade 5
	RS2660	Plastic Ball Cap White	Nylon
	RS2670	Titanium Ball Cap	Ti Grade 5

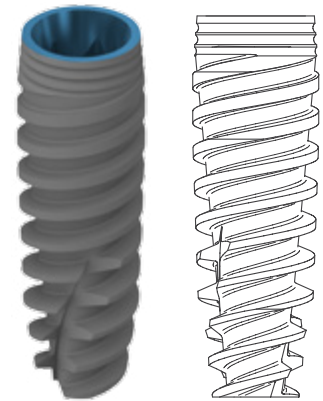
Touareg CloseFit™ WP 4.3mm/5.0mmD Wide Platform Implant System

The Touareg™ WP is a uniquely designed wide platform implant available in 4.3mm and 5.0mm platform diameter.

The strong and solid CloseFit™ conical-hex connection enables these implants to be used in all indications in all regions on the lower and upper jaw.

The collars of the WP 4.3mmD and 5.0mmD implants are back-beveled.

Length	4.3mmD Catalog No.	5.0mmD Catalog No.
L-8 mm	ISPX0843	ISPX0849
L-10 mm	ISPX1043	ISPX1049
L-11.5 mm	ISPX1143	ISPX1149
L-13 mm	ISPX1343	ISPX1349
L-15 mm	ISPX1543	ISPX1549
L-18 mm	ISPX1843	ISPX1849



Touareg™ WP 4.3mmD/5.0mmD Product Assortment (The full components list can be found in ADIN's Product Catalog)

Healing Abutment

	WP0047	WP Slim Healing Abutment 4mmD x 3mmL	Ti Grade 5
	WP0048	WP Slim Healing Abutment 4mmD X 4mmL	Ti Grade 5
	WP0023	WP Healing Abutment 5.5mmD X 3mmL	Ti Grade 5
	WP0024	WP Healing Abutment 5.5mmD X 4mmL	Ti Grade 5
	WP0091	WP Conical Healing Abutment 5.5mmD x 3mmL	Ti Grade 5
	WP0092	WP Conical Healing Abutment 5.5mmD x 4mmL	Ti Grade 5

Cement Retained

	WP0020	WP Straight Slim Abutment - No End Line	Ti Grade 5
	WP0012	WP Straight Abutment 1mm	Ti Grade 5
	WP0013	WP Angled Abutment 15° 1mm	Ti Grade 5
	WP0014	WP Angled Abutment 15° 2mm	Ti Grade 5
	ZA0314	WP Straight Zirconium Abutment w / Titanium Base	Zirconium / Ti Grade 5
	ZA0307	WP Angled Zirconium Abutment 15° w / Titanium Base	Zirconium / Ti Grade 5

Screw Retained

	WP3731	WP Straight Trans Mucosal Abutment 1mm	Ti Grade 5
	WP3732	WP Straight Trans Mucosal Abutment 2mm	Ti Grade 5
	WP3734	WP Angled Trans Mucosal Abutment 17° 2.5mm	Ti Grade 5
	WP3737	WP Angled Trans Mucosal Abutment 17° 3.5mm	Ti Grade 5
	RS4900	TMA Titanium Temporary Copying	Ti Grade 5
	RS5006	TMA Impression Coping Open Tray	Ti Grade 5
	RS5011	TMA Closed Tray Transfer	Ti Grade 5
	WP0052	WP Ball Attachment 1mm	Ti Grade 5
	RS2660	Plastic Ball Cap White	Nylon
	RS2670	Titanium Ball Cap	Ti Grade 5

High Fatigue Strength

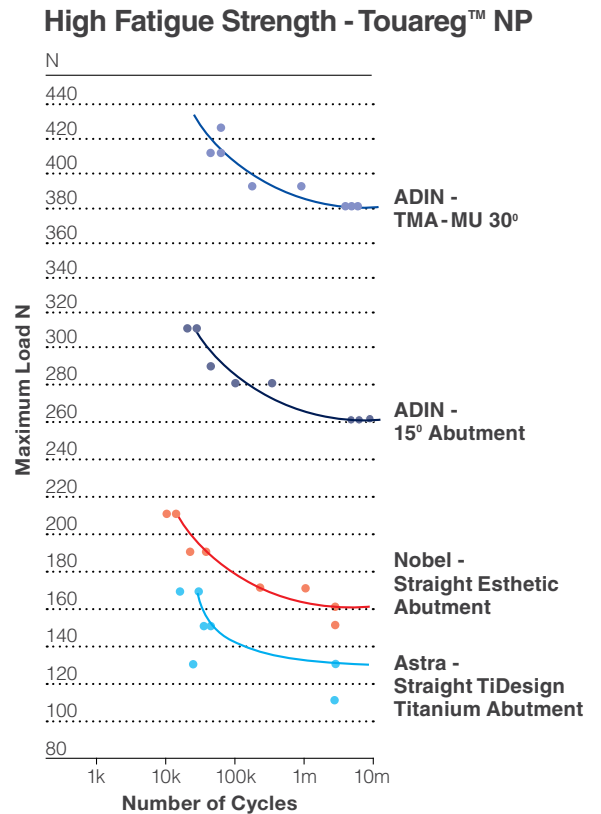
Fatigue strength is the maximum force an implant / abutment assembly can survive for at least five million cycles. Adin uses a protocol for fatigue strength testing according to ISO 14801. Fatigue strength results are presented beside.

Adin's Touareg CloseFit™ NP 3.0mmD implant achieved very high fatigue strength results of 260 N and 380 N, whilst NobelActive™ 3.0 achieved 160 N and Astra Tech 3.0 achieved 130 N.

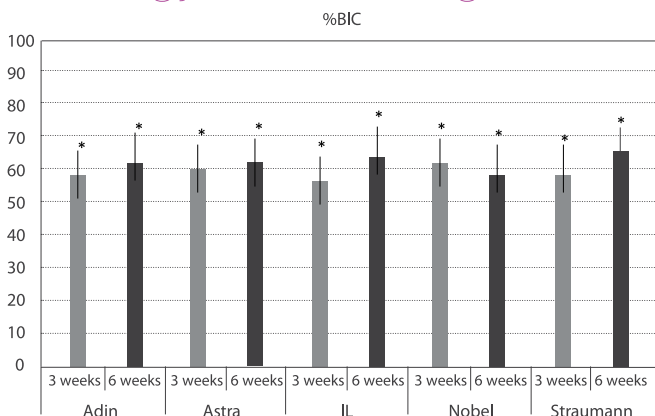
Adin's Touareg CloseFit™ NP 3.0mmD is the most successful and leading high quality narrow platform implant.

Note: Nobel and Astra data was taken directly from Nobel Biocare's NobelActive 3.0 brochure. Astra Tech and OsseoSpeed are trademarks of AstraTech Group. NobelActive is a trademark of Nobel Biocare. All Adin tests were conducted using "worst case" scenarios.

- Fatigue test data points
- Fatigue strength curve: ADIN's Touareg™ NP 3.0 mmD +TMA-MU 30°
- Fatigue strength curve: ADIN's Touareg™ NP 3.0 mmD + Abutment 15°
- Fatigue strength curve: NobelActive™ 3.0
- Fatigue strength curve: Astra Tech 3.0S



Histology of a Touareg™ NP Implant and BIC 3 Weeks In-Vivo Model



In a comparative current study, in vivo (18 beagles, n=6 per time in vivo), conducted by one of the leading research institutes, comparing Adin OsseoFix™, Astra Osseospeed™, Straumann SLA™, Intra-Lock Ossean™, and NobelActive TiUnite™, the Touareg CloseFit™ with OsseoFix™ surface achieved very high values. See figure on the left.



Histologic section of a Touareg™ NP implant at early implantation stage (3 weeks in vivo in a laboratory model). Note the new bone formation (darker staining) in a continuous structure with bone assuring the bone-implant mechanical competence. Preliminary histomorphometric data from laboratory in vivo experiments has demonstrated high degrees of bone-to-implant contact (graph) through new bone formation.

Torque Strength

Adin's Touareg CloseFit™ Implant System was designed with high torque strengths to avoid any fractures at the implant /prosthetic interface connection. The unique CloseFit™ conical-hex connection, along with the strong retaining screw, can sustain high implant torque strength.

Adin Dental Implant Systems is committed to thoroughly researching, testing, and documenting its products and restorative solutions to insure their safety and efficacy, prior to entering the market. Our commitment is proven by clinical follow-up data with documented results, pre-clinical and clinical testing, pre-launch activities, post market surveillance data, clinician questionnaires and advisory board reviews.

References:

Jimbo R1, Anchieta R, Baldassarri M, Granato R, Marin C, Teixeira HS, Tovar N, Vandeweghe S, Janal MN, Coelho PG et al. Histomorphometry and bone mechanical property evolution around different implant systems at early healing stages: an experimental study in dogs. *Implant Dent.* 2013 Dec;22(6):596-603.



www.adin-implants.com

ADIN products comply with the standards set by the FDA and other regulatory agencies. All ADIN products are CE-marked in accordance with the Council Directive 93/42/EEC and Amendment 2007/47/EC. ADIN complies with ISO13485:2012 and the Canadian Medical Devices Conformity Assessment System (CMDCAS). Product availability may vary between countries. For more information, please contact your local ADIN office.

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