

## References

1. Smets, S. *et al.* Floating Radial Head Prosthesis for Comminuted Radial Head Fractures: A Multicentric Study. *Acta Orthopaedica Belgica*, 2000;66-4.
2. Popovic, N. *et al.* A Comparative Study Between Proximal Radial Morphology and the Floating Radial Head Prosthesis. *Journal of Shoulder and Elbow Surgery*, 2005;14:433-40.
3. Pomianowski, S. *et al.* Contribution of Monoblock and Bipolar Radial Head Prostheses to Valgus Stability of the Elbow. *Journal of Bone and Joint Surgery*, 2001;83:1829-34.
4. Judet, T. *et al.* A Floating Prosthesis for Radial Head Fractures. *The Journal of Bone and Joint Surgery*, 1996;78-B:244-49.
5. Green, A. *et al.* In Vitro Performance of Tornier Bipolar Press-Fit Radial Head System. Tornier, 2006.

## Product Specifications

### Press-Fit Short Stems

DTJ306	6 mm x neck 13 mm
DTJ307	7 mm x neck 13 mm
DTJ308	8 mm x neck 13 mm
DTJ309	9 mm x neck 13 mm
DTJ310	10 mm x neck 13 mm
DTJ316	6 mm x neck 16 mm
DTJ317	7 mm x neck 16 mm
DTJ318	8 mm x neck 16 mm
DTJ319	9 mm x neck 16 mm
DTJ320	10 mm x neck 16 mm

### Cemented Long Stems

DTJ106	6.5 mm x neck 19 mm
DTJ105	8 mm x neck 19 mm
DTJ102	6.5 mm x neck 22 mm
DTJ101	8 mm x neck 22 mm

### Radial Heads

DTJ30	18 mm
DTJ302	20 mm
DTJ303	22 mm
DTJ304	24 mm



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Tornier is a registered trademark of Tornier, SA.

RHS Radial Head System is covered by US patent # 5,879,395



## The First True Comprehensive Radial Head System

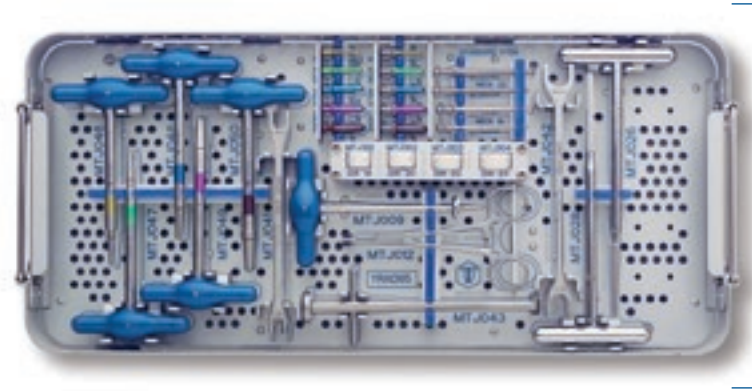
Advancements in technology continue to revolutionize reconstructive products for surgeons focused on joint replacement. This allows surgeons to obtain optimal results by restoring form and function to individuals suffering from arthritis and traumatic injury. The new RHS™ Radial Head System from Tornier® represents the innovation and commitment to today's orthopaedic surgeons' demands by making orthopaedic surgery more precise and effective than ever before.

This RHS™ Radial Head System modeled after the human anatomy, allows a surgeon to recreate anatomical relationships found in normal joint function and helps prevent proximal migration of the radius due to radial head excision. Built on over ten years of proven clinical history,<sup>1</sup> the RHS™ is one of the most flexible and comprehensive radial head systems available with the ability to treat complex radial head fractures, arthrosis, and revision procedures. This unique bipolar radial head is designed for restoring valgus stability in an MCL deficient elbow while improving the contact between the radial head and the capitellum by self-centering capabilities.<sup>2,3</sup>



**"The floating articulation and concave surface of the implant allow continual full contact to be maintained against the convex humeral condyle during flexion/extension and supination/pronation of the elbow."**<sup>4</sup>

This anatomically designed bipolar system consists of multiple stem diameters, head sizes, and neck lengths to accommodate a wide range of anatomy. The intraoperative flexibility and modular design also allows for easy insertion with one set of accurate instruments for both cementless and cemented implant options.



## One Anatomic Solution offering both Press-Fit and Cemented Options

### Press-Fit Short Stem

Designed with biological in-growth on the stems for optimal long-term fixation. The results of an independent study show that with a 1 mm diametral press-fit, the implants could be easily impacted into the prepared radius with torsional and pull-out resistance sufficient to stabilize the implant.<sup>5</sup>

- Cementless fixation with Ti Plasma spray on CoCr stems
- ± 10° bipolarity
- 6 mm, 7 mm, 8 mm, 9 mm, and 10 mm tapered stem diameters
- Stem length varies with stem diameter 21-24 mm
- Option for 2 neck lengths of 13 mm or 16 mm

### Cemented Long Stem

Designed for revision surgery and for patients with a fracture greater than 16 mm in length. The stem has a built-in 15° neck angle to reproduce the anatomic offset of the radial shaft.

- Cemented fixation with CoCr stems
- ± 17.5° bipolarity
- 6.5 mm and 8 mm tapered stem diameters
- Stem length varies with stem diameter 55 mm & 60 mm
- Option for 2 neck lengths of 19 mm or 22 mm



A single sterilization tray provides user friendly color-coded instruments that simplify operating room case management and allows for easy identification and insertion of both cementless and cemented implant options.

