

**HOFNUT**

**THE HIGH  
TENSION BOLTING  
SOLUTION**



*Since 1969 Hofmann Engineering has provided specialist engineering services to Australia's industry leaders.*

*Quality Assurance accreditation by Bureau Veritas complements our total quality culture.*

*Our commitment to continuous quality-improvement touches every aspect of our products, services and customer support.*



**TYPICAL  
APPLICATIONS**

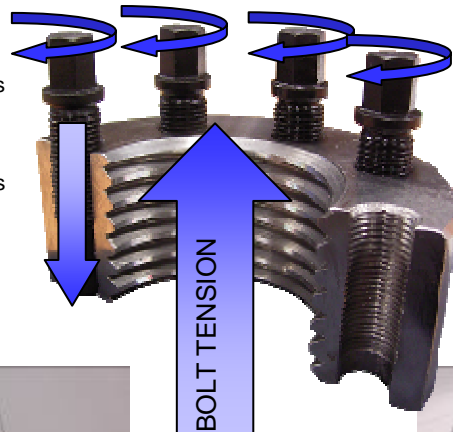
- Girth Gear Split Lines.
- Gearbox Split Lines.
- Pressure Vessels.
- Hold-Down Bolts.
- Engine Blocks.



**\* ANY LARGE BOLTING APPLICATION \***

**HOFNUTS ENABLE  
YOU TO:**

- Tighten large nuts with hand Wrenches.
- Tighten split joints accurately to the correct tension.
- Minimal space requirements.



**REMOVES THE  
NEED TO USE:**

- Hydraulic Tensioning.
- Crane wrenches.
- Other Cumbersome methods of tightening.



**HOFMANN ENGINEERING PTY LTD**

A.B.N 74 380 411 420  
A.C.N 008 802 211  
3 ALICE STREET,  
BASSENDEAN, PERTH,  
WESTERN AUSTRALIA 6054

Telephone: +61 8 9279 5522  
Facsimile: +61 8 9279 9386  
Internet: www.hofmann.net.au  
Email: mail@hofmann.net.au





Metric HofNuts - HSN 41.						
Size	Body		Jacking		Washer	
	OD	Thick	Size	Hex	OD	Thick
M30	53	24	8	6	53	5
M33	58	24	8	6	58	5
M36	66	32	10	8	66	5
M39	69	32	10	8	69	5
M42	75	32	10	8	75	5
M45	81	38	12	10	81	6.5
M48	85	38	12	10	85	6.5
M52	94	38	12	10	94	6.5
M56	100	38	12	10	100	6.5
M60	107	38	12	10	107	6.5
M64	113	53	16	14	113	8
M72	119	56	16	14	119	8
M80	132	56	16	14	132	8
M90	145	58	16	14	145	8

Imperial HofNuts - HSN 41.						
Size	Body		Jacking		Washer	
	OD	Thick	Size	Hex	OD	Thick
1-1/8"	53	24	8	6	53	5
1-1/4"	58	24	8	6	58	5
1-3/8"	63	32	10	8	63	5
1-1/2"	69	32	10	8	69	5
1-5/8"	75	32	10	8	75	5
1-3/4"	79	38	12	10	79	6.5
1-7/8"	92	41	12	10	92	6.5
2"	92	41	12	10	92	6.5
2-1/4"	100	41	12	10	100	6.5
2-1/2"	113	53	16	14	113	8
2-3/4"	119	54	16	14	119	8
3"	132	54	16	14	132	8

## STOCKED BLANKS

### FOR QUICK DELIVERY

Hofmann Engineering holds in stock a range of sizes of HofNuts with unthreaded bores to assist in the minimisation of lead time in the production of a customer's specific requirements. These blanks can accommodate any size and/or pitch between 33mm and 72mm.



## BOLTING LUBRICATION

For ease of lubrication, each set of HofNuts comes with a tube of lubricant for use on the jacking bolt threads and between the tips and the washer.

## MIS-ALIGNMENT SOLUTIONS

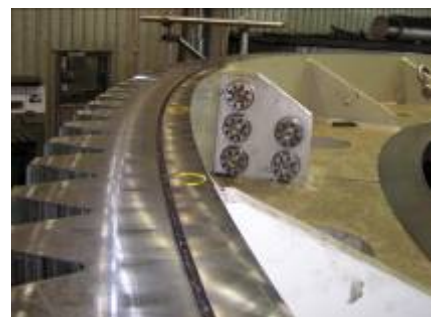
### SPHERICAL SEATS

The use of spherical seats allows the tensioning of bolts that may be out of alignment, ensuring that your equipment remains tensioned securely. The spherical seats can be subjected to almost twice the force that can be exerted upon them by a fully tensioned HofNut, while still maintaining their own structural integrity.



## SPLIT LINE CLAMPING

It is essential to keep the split line tightly closed to keep the root area of the split line tooth under compression throughout operation. This provides support for the tooth and hence prevents it from deflecting and fatigue cracking. When using HofNuts, the operating forces must first overcome the applied bolting force before any deflection of the split line can occur.



## GRADE HSN 41

### STANDARD

The HSN 41 HofNuts are used for General Mechanical Applications. It is standard to see these nuts on the split lines of our Girth Gears as well as the split lines on both our newly manufactured or refurbished gearboxes. A range of sizes are kept in stock for quick delivery for a customer's requirements.

## GRADE HSN 43

### EXTRA HIGH TENSION

For high tension applications, we recommend our HSN 43 Grade HofNuts, which are manufactured from a higher grade of steel and contain more jacking bolts. The 43 series can apply up to 50% more force to a split line when used with the appropriately rated bolt.

For your particular HofNut sizing or application requirements contact us as below.