

**HOFMANN  
ENGINEERING**

## 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.*

#### HOFMANN ENGINEERING PTY LTD

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#### TYPICAL APPLICATIONS

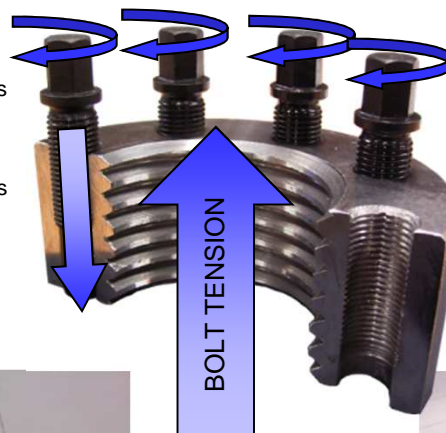
- Girth gear split lines.
- Gearbox split lines.
- Pressure vessels.
- Hold-down bolts.
- Engine blocks.



#### \* 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.



## STOCKED BLANKS

### FOR QUICK DELIVERY

Hofmann Engineering holds in stock a range of pre-machined billets to minimise lead time in the production of a customer's specific requirements. These blanks can accommodate any size and/or pitch between 30mm and 80mm and are available in both grades.



## BOLTING LUBRICATION

For ease of lubrication, each set of HofNuts comes with a tube of 46MR401 lubricant for use on the jacking bolt threads and between the tips and the washer.



## MIS-ALIGNMENT SOLUTIONS

### SPHERICAL SEATS

Have a mis-aligned bolting face? 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 withstand more than twice the force that can be exerted by a fully tensioned HofNut and still maintain their original structural integrity.

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



## GRADE HSN 41

### STANDARD

The HSN 41 HofNuts are used for general mechanical applications. These nuts are standard on the split lines of our girth gears, and commonly used on newly manufactured and refurbished gearboxes. A range of sizes are kept in stock for quick delivery.



## GRADE HSN 43

### 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 an appropriately rated bolt.

Metric HofNuts - HSN41.					
Standard Metric Coarse Pitch	Size		Jacking Bolts		
	OD	Thick	Size (mm)	Number of bolts	Standard Torque (Nm)
M24 x 3.0P	43	25	6	8	15
M30 x 3.5P	53	29	8	6	37
M36 x 4.0P	66	37	10	6	67
M42 x 4.5P	75	37	10	8	69
M48 x 5.0P	85	45	12	8	110
M56 x 5.5P	100	45	12	8	133
M64 x 6.0P	113	61	16	8	265
M72 x 6.0P	119	64	16	8	316
M80 x 6.0P	132	64	16	12	292
M90 x 6.0P	145	66	16	16	284

Imperial HofNuts - HSN41.					
Standard Imperial Coarse Pitch	Size		Jacking Bolts		
	OD	Thick	Size (mm)	Number of bolts	Standard Torque (Nm)
1-3/8" x 6TPI	63	37	8	6	66
1-1/2" x 6TPI	69	37	8	8	60
1-3/4" x 5TPI	79	44	10	8	101
2" x 4.5TPI	92	47	12	8	139
2-1/4" x 4.5TPI	100	48	12	8	155
2-1/2" x 4TPI	113	61	16	8	280
2-3/4" x 4TPI	119	62	16	8	316
3" x 4TPI	132	62	16	12	278

Metric HofNuts - HSN43.					
Standard Metric Coarse Pitch	Size		Jacking Bolts		
	OD	Thick	Size (mm)	Number of bolts	Standard Torque (Nm)
M30 x 3.5P	53	29	8	8	37
M36 x 4.0P	66	37	10	8	69
M42 x 4.5P	75	37	10	12	64
M48 x 5.0P	85	45	12	10	122
M56 x 5.5P	100	45	12	12	133
M64 x 6.0P	113	61	16	10	289
M72 x 6.0P	119	64	16	12	311
M80 x 6.0P	132	64	16	16	316
M90 x 6.0P	145	66	16	16	316

Imperial HofNuts - HSN43.					
Standard Imperial Coarse Pitch (UNC)	Size		Jacking Bolts		
	OD	Thick	Size (mm)	Number of bolts	Standard Torque (Nm)
1-3/8" x 6TPI	63	37	8	8	62
1-1/2" x 6TPI	69	37	8	8	88
1-3/4" x 5TPI	79	44	10	12	101
2" x 4.5TPI	92	47	12	12	117
2-1/4" x 4.5TPI	100	48	12	12	152
2-1/2" x 4TPI	113	61	16	12	234
2-3/4" x 4TPI	119	62	16	12	288
3" x 4TPI	132	62	16	16	261