

SERVING
INDUSTRY for
50
years
SINCE 1969

HOFNUTS

THE HIGH TENSION BOLTING SOLUTION



TYPICAL APPLICATIONS:

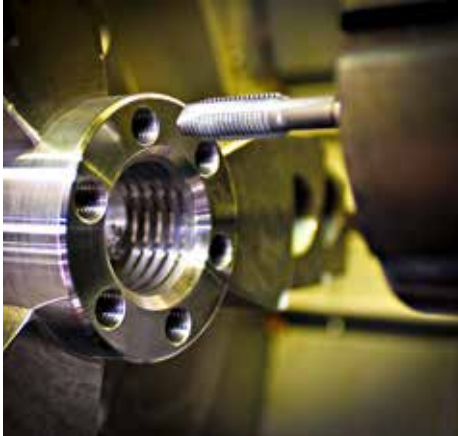
- Girth gear split lines
- Gearbox split lines
- Pressure vessels
- Hold-down bolts
- Engine bolts

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 hold 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.



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.

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.

MISALIGNMENT SOLUTIONS

SPHERICAL SEATS

Have a misaligned 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.

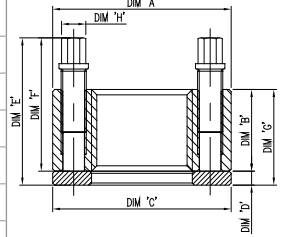
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JACKING BOLT dia.	TORQ. NM		PRELOAD kN	
	Std	Max	Std	Max
6.00	14.00	21.00	18.15	27.25
8.00	34.00	50.00	33.10	48.70
10.00	67.00	100.00	52.20	77.85
12.00	128.00	179.00	84.65	118.37
16.00	320.00	424.00	160.24	212.32
20.00	661.00	876.00	269.46	357.11



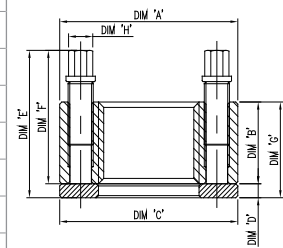
HOFNUT STANDARD LOAD HSN 41 SERIES

NOMINAL	A	B	C	D	E	F	G	N	THREAD SIZE OF JB	H	TORQ. NM		PRELOAD kN	
											Std	Max	Std	Max
M30x3.5	53	24	53	5	45.0	40	29.0	6	M8x1.0P	6	34	50	199	292
M36x4.0	66	32	66	5	57.0	52	37.0	6	M10x1.25P	8	67	100	313	467
M42x4.5	75	32	75	5	57.0	52	37.0	8	M10x1.25P	8	67	100	418	623
M48x5.0	85	38	85	6.5	68.5	62	44.5	8	M12x1.25P	10	128	179	677	947
M56x5.5	100	38	100	6.5	68.5	62	44.5	8	M12x1.25P	10	128	179	677	947
M64x6.0	113	53	113	8	92.0	84	61.0	8	M16x1.5P	14	320	424	1282	1699
M72x6.0	119	56	119	8	92.0	84	64.0	8	M16x1.5P	14	320	424	1282	1699
M80x6.0	132	56	132	8	92.0	84	64.0	12	M16x1.5P	14	320	424	1923	2548
M90x6.0	145	58	145	8	99.0	91	66.0	16	M16x1.5P	14	320	424	2564	3397
1 1/8"UNCx6TPI	64	30	64	5	57.0	52	35.0	6	M10x1.25P	8	67	100	313	467
1 1/2"UNCx6TPI	69	32	69	5	57.0	52	37.0	8	M10x1.25P	8	67	100	418	623
1 3/4"UNCx5TPI	78	36	78	6	68.0	62	46.0	8	M12x1.25P	10	128	179	677	947
2"UNCx4.5TPI	90	40	90	6	68.0	62	46.0	8	M12x1.25P	10	128	179	677	947
2 1/4"UNCx4.5TPI	100	38	100	6	58.0	52	44.0	8	M12x1.25P	10	128	179	677	947
2 1/2"UNCx4.0TPI	113	53	113	8	92.0	84	61.0	8	M16x1.5P	14	320	424	1282	1699
2 3/4"UNCx4.0TPI	119	53	119	8	92.0	84	61.0	8	M16x1.5P	14	320	424	1282	1699
3"UNCx4.0TPI	132	53	132	8	92.0	84	61.0	12	M16x1.5P	14	320	424	1923	2548



HOFNUT HI-LOAD HSN 43 SERIES

NOMINAL	A	B	C	D	E	F	G	N	THREAD SIZE OF JB	H	TORQ. NM		PRELOAD kN	
											Std	Max	Std	Max
M30x3.5	53	24	53	5	45.0	40	29.0	8	M8x1.0P	6	34	50	265	390
M36x4.0	66	32	66	5	57.0	52	37.0	8	M10x1.25P	8	67	100	418	623
M42x4.5	75	32	75	5	57.0	52	37.0	12	M10x1.25P	8	67	100	626	934
M48x5.0	85	38	85	6.5	68.5	62	44.5	10	M12x1.25P	10	128	179	847	1184
M56x5.5	100	38	100	6.5	68.5	62	44.5	12	M12x1.25P	10	128	179	1016	1420
M64x6.0	113	58	113	8	92.0	84	61.0	10	M16x1.5P	14	320	424	1602	2123
M72x6.0	119	58	119	8	92.0	84	61.0	12	M16x1.5P	14	320	424	1923	2548
M80x6.0	132	61	132	8	92.0	84	69.0	16	M16x1.5P	14	320	424	2564	3397
M90x6.0	145	61	145	8	99.0	91	69.0	16	M16x1.5P	14	320	424	2564	3397
1 1/8"UNCx6TPI	64	30	64	5	57.0	52	35.0	8	M10x1.25P	8	67	100	418	623
1 1/2"UNCx6TPI	69	32	69	5	57.0	52	37.0	8	M10x1.25P	8	67	100	418	623
1 3/4"UNCx5TPI	78	36	78	6	68.0	62	46.0	12	M12x1.25P	10	128	179	1016	1420
2"UNCx4.5TPI	90	40	90	6	68.0	62	46.0	12	M12x1.25P	10	128	179	1016	1420
2 1/4"UNCx4.5TPI	100	38	100	6	58.0	52	44.0	12	M12x1.25P	10	128	179	1016	1420
2 1/2"UNCx4.0TPI	113	53	113	8	92.0	84	61.0	12	M16x1.5P	14	320	424	1923	2548
2 3/4"UNCx6TPI	119	53	119	8	92.0	84	61.0	12	M16x1.5P	14	320	424	1923	2548
3"UNCx4.0TPI	132	53	132	8	92.0	84	61.0	12	M16x1.5P	14	320	424	1923	2548



N = NO JACKING BOLTS

$$\text{REQUIRED JACKING BOLT TORQUE} = \frac{\text{REQUIRED PRELOAD} \times \text{STANDARD JACKING BOLT TORQUE}}{\text{STANDARD PRELOAD}}$$

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