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Threaded Inserts

EH 22900.



Product Description

Threaded inserts are used wherever reliable and durable screw connections are required - for example in machine and plant construction, in tool making and mould construction as well as in other technically demanding applications.
They are ideal for the production of female threads in soft or thin-walled materials (e.g. aluminium) and offer a reliable economical solution for numerous applications in machine and fixture construction - in addition to offering a simple and fast solution for repairing damaged threads. Equally well-suited for series production and for maintenance, servicing and repair work, the threaded inserts support secure assembly.
The threaded inserts allow for the creation of reliable and durable screw connections. The high-quality materials reduce wear and make it possible to screw the screw in and out repeatedly without impairing the quality of the thread.
The threaded inserts are available in different sizes and made from steel or stainless steel. Their construction is designed such that mounting and dismounting can be carried out in a way that is quick, safe, and gentle on the material.

Material

Body
- Free cutting steel, phosphated
- Stainless steel, passivated

Pin
- Stainless steel

Assembly

Mounting
1. Drill (D_1 corresponding to the thread diameter d_2/D_3) to the thread depth specified in the product table.
2. Countersink as specified in the table.
3. Cut a thread to the depth specified in the table.
4. Place the insert 0.3 to 0.7 mm below the surface.
5. Drive in the protruding pins using the appropriate assembly tool.

Dismantling
The threaded inserts can be removed without damaging the workpiece.
1. Drill out the threaded insert according to the dimensions specified in the product table under "Dismantling (drilling out)".
2. Remove the pins by bending them downwards.
3. Then remove the threaded insert using a suitable tool, e.g. a left-hand screw extractor (screw extractor for stuck screws).

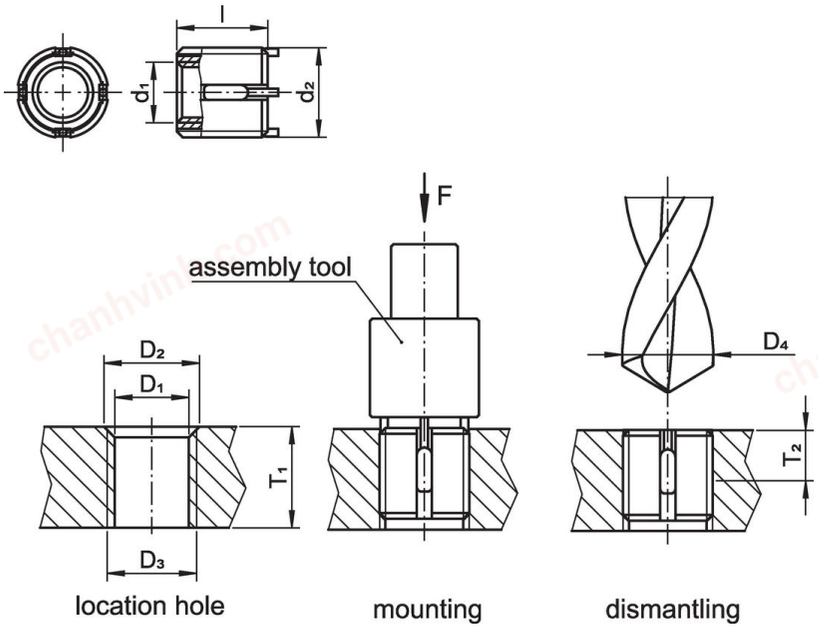
More information

Notes

Male thread d_2 is not true to gauge.

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Drawing



Order information

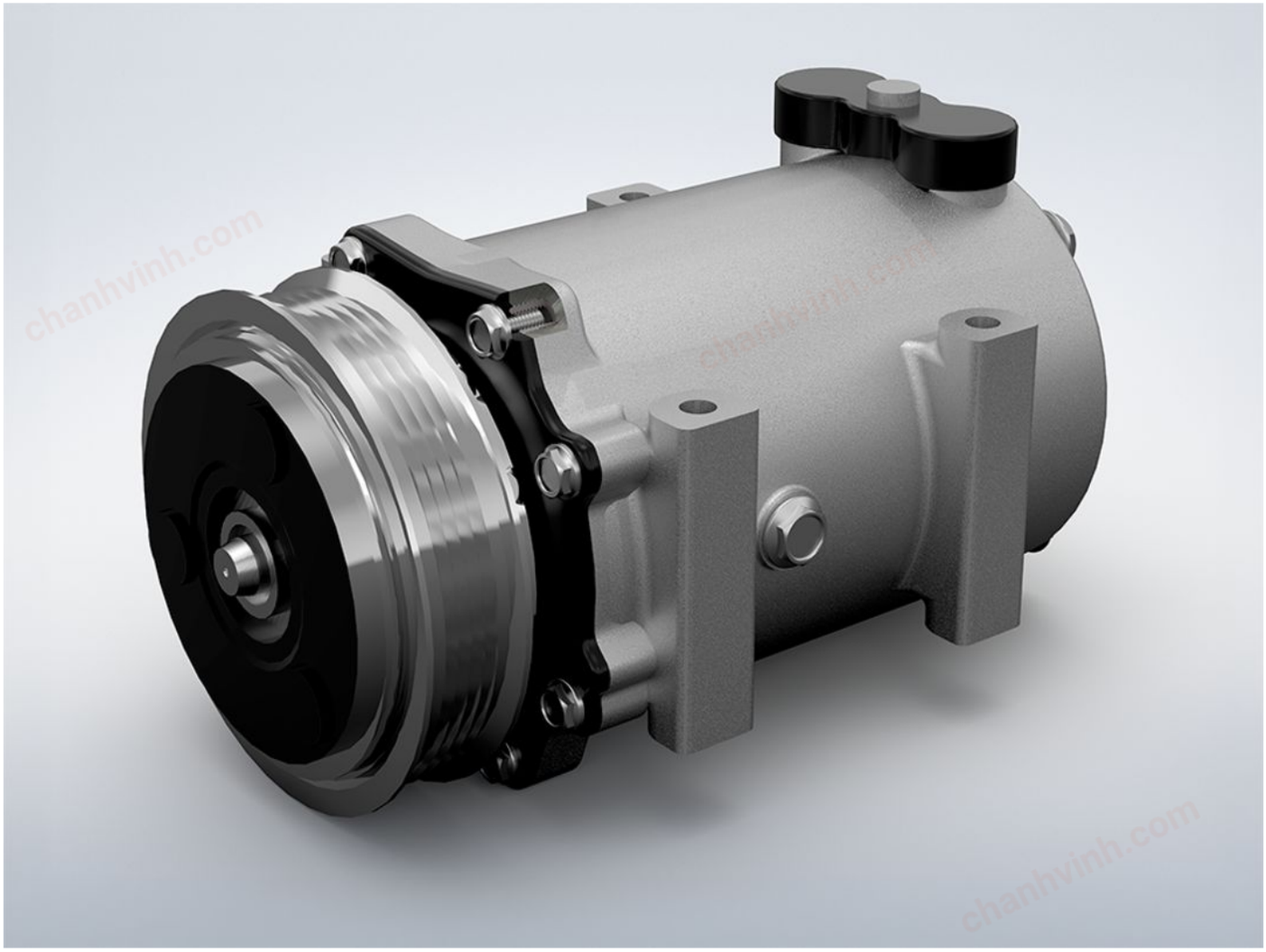
Dimensions			Location hole				Dismantling (drilling out)			Art. No.
d_1	d_2	l	D_1	D_2 +0.25 0	D_3	T_1	D_4	T_2		
[mm]			[mm]				[mm]		[g]	
Free cutting steel										
M 5 x 0,8	M 8 x 1,25	8	6.90	8.25	M 8 x 1,25	9.5	5.5	4.00	1.5	22900.1005
M 6 x 1,0	M10 x 1,25	10	8.80	10.25	M10 x 1,25	11.5	7.5	4.75	3.4	22900.1006
M 8 x 1,0	M12 x 1,25	12	10.80	12.25	M12 x 1,25	13.5	9.5	4.75	5.0	22900.1108
M 8 x 1,25	M12 x 1,25	12	10.80	12.25	M12 x 1,25	13.5	9.5	4.75	5.0	22900.1008
M10 x 1,25	M14 x 1,5	14	12.80	14.25	M14 x 1,5	15.5	11.5	4.75	6.3	22900.1110
M10 x 1,5	M14 x 1,5	14	12.80	14.25	M14 x 1,5	15.5	11.5	4.75	7.0	22900.1010
M12 x 1,25	M16 x 1,5	16	14.75	16.25	M16 x 1,5	17.5	13.5	4.75	8.9	22900.1112
M12 x 1,75	M16 x 1,5	16	14.75	16.25	M16 x 1,5	17.5	13.5	4.75	9.4	22900.1012
Stainless steel										
M 5 x 0,8	M 8 x 1,25	8	6.90	8.25	M 8 x 1,25	9.5	5.5	4.00	1.6	22900.3005
M 6 x 1,0	M10 x 1,25	10	8.80	10.25	M10 x 1,25	11.5	7.5	4.75	3.2	22900.3006
M 8 x 1,0	M12 x 1,25	12	10.80	12.25	M12 x 1,25	13.5	9.5	4.75	4.6	22900.3108
M 8 x 1,25	M12 x 1,25	12	10.80	12.25	M12 x 1,25	13.5	9.5	4.75	5.0	22900.3008
M10 x 1,25	M14 x 1,5	14	12.80	14.25	M14 x 1,5	15.5	11.5	4.75	7.8	22900.3110
M10 x 1,5	M14 x 1,5	14	12.80	14.25	M14 x 1,5	15.5	11.5	4.75	6.6	22900.3010
M12 x 1,25	M16 x 1,5	16	14.75	16.25	M16 x 1,5	17.5	13.5	4.75	8.8	22900.3112
M12 x 1,75	M16 x 1,5	16	14.75	16.25	M16 x 1,5	17.5	13.5	4.75	9.4	22900.3012

Accessories

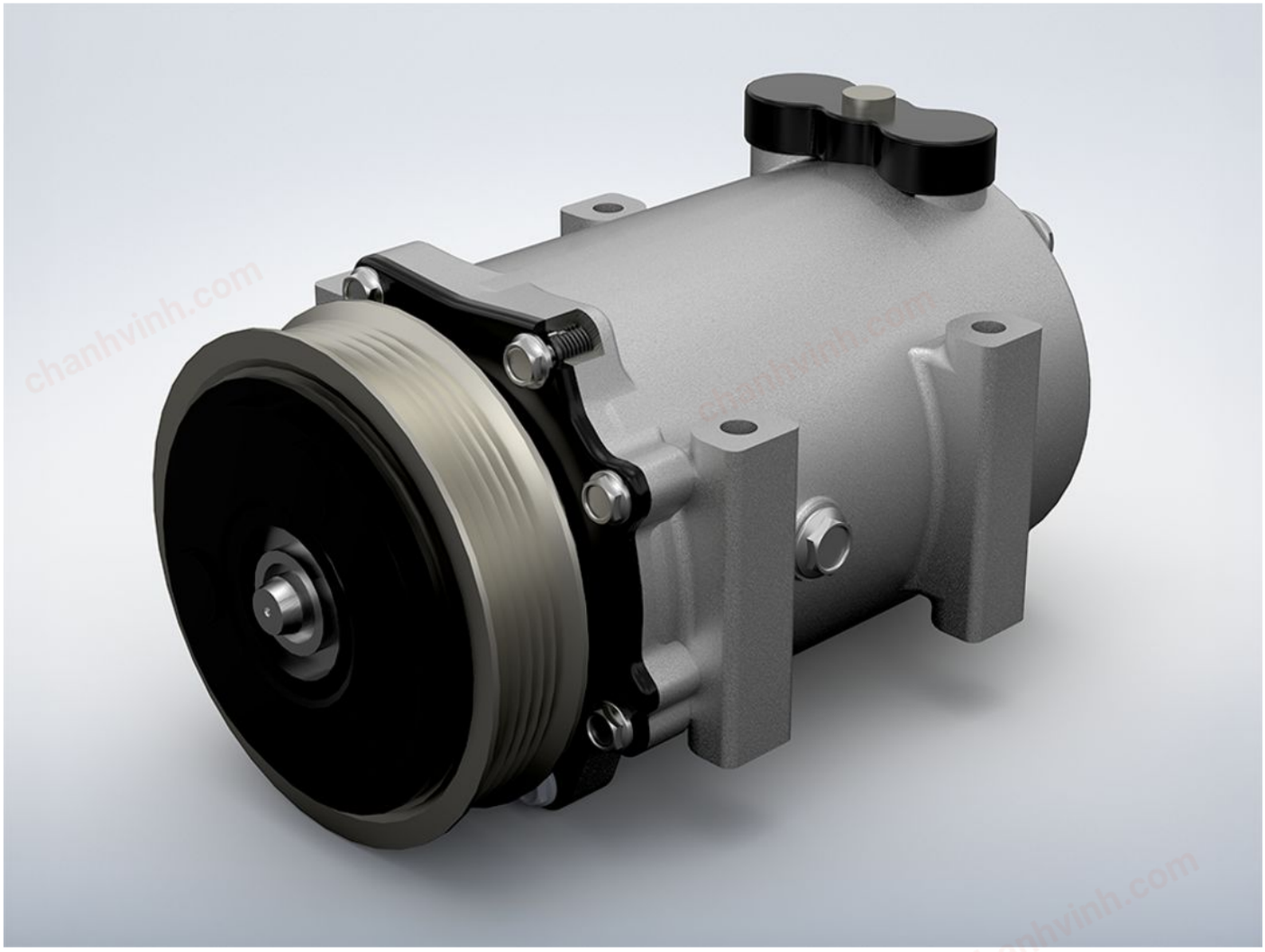
	d_1 [mm]	Suitable for size	[g]	Art. No.
mounting tool for the following sizes				
	**M 5**	22900.1005, 22900.3005	21	22900.1605
	M 6	22900.1006, 22900.3006	30	22900.1606
	M 8	22900.1008, 22900.1108, 22900.3008, 22900.3108	41	22900.1608
	M10	22900.1010, 22900.1110, 22900.3010, 22900.3110	53	22900.1610
	M12	22900.1012, 22900.1112, 22900.3012, 22900.3112	68	22900.1612

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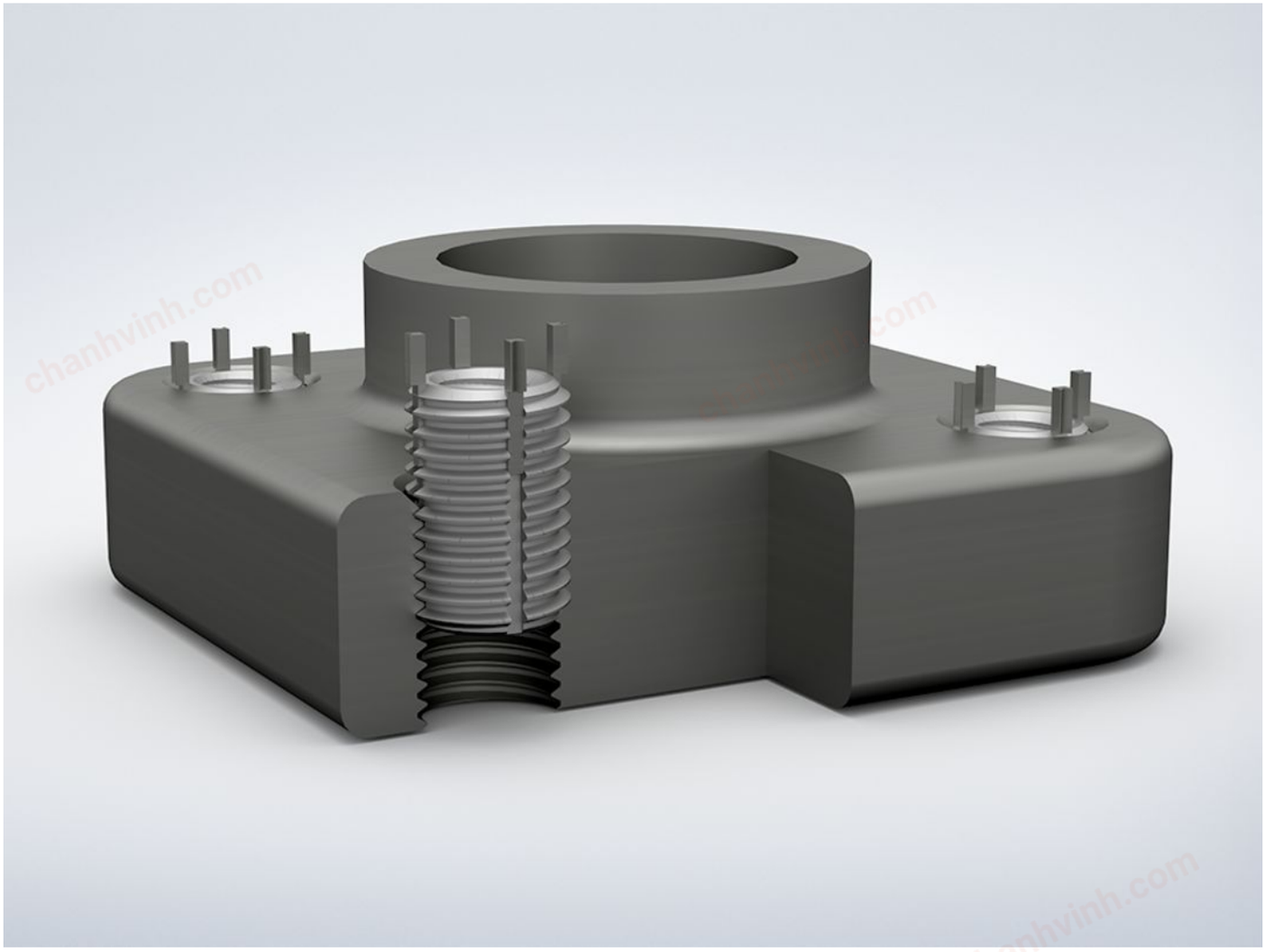
Application example



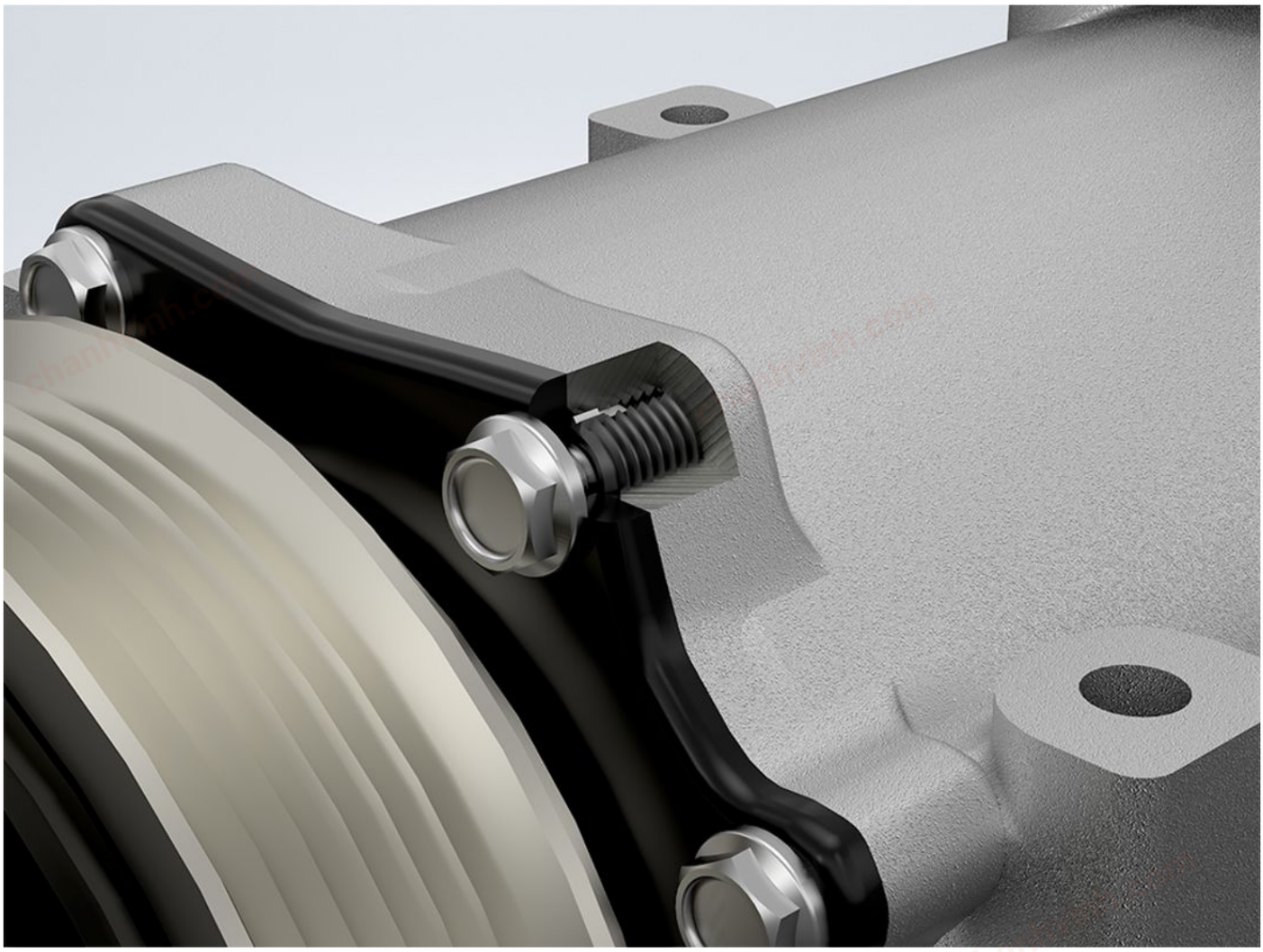
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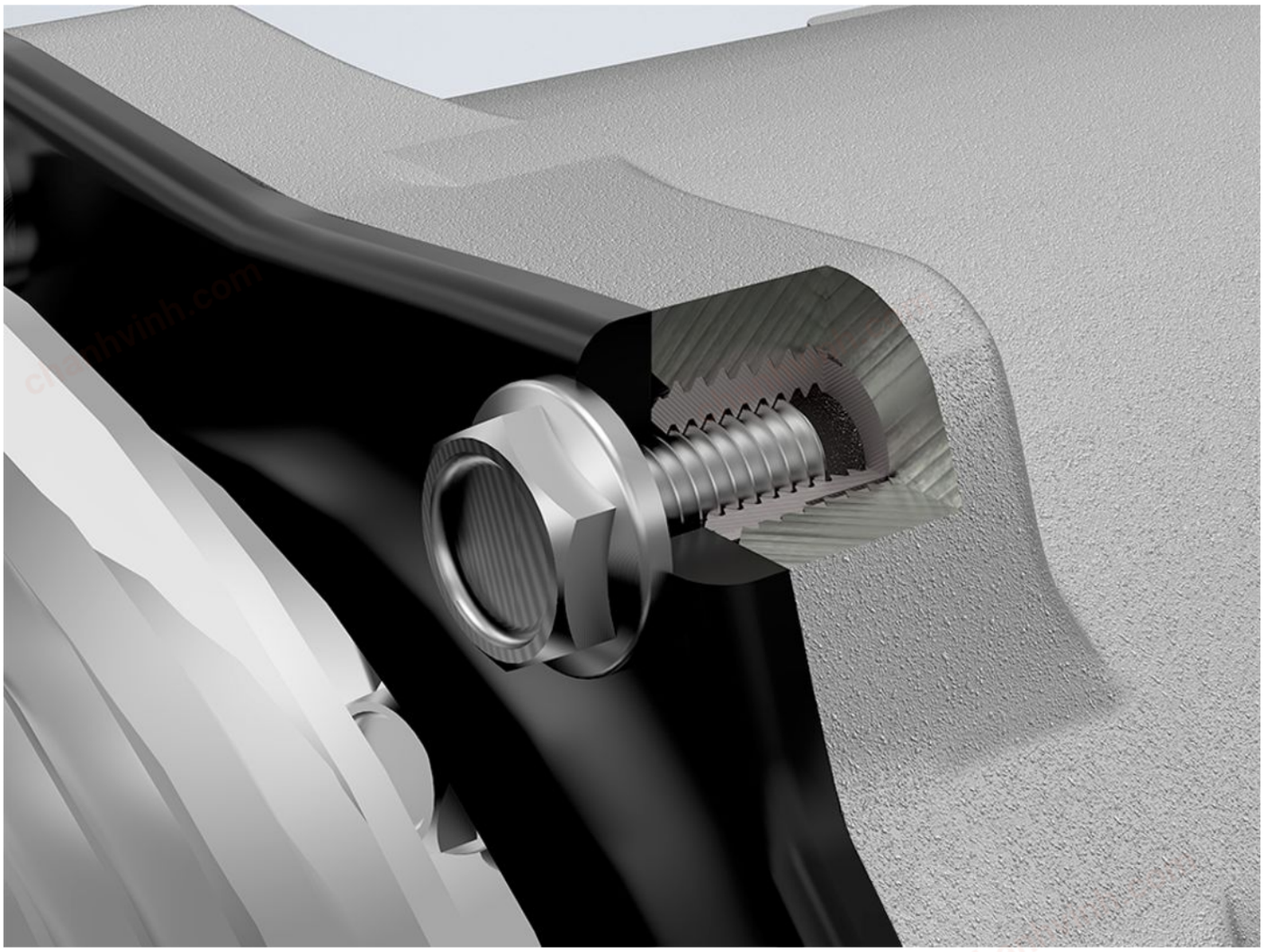
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