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Threaded Lifting Pins • self-locking, with rotatable shackle - INCH

EH 2B353.



Product Description

Heavy-duty lifting element for quick and easy use, with moveable, rotatable shackle and locking stud to provide protection against unintentional unlocking. For lifting loads, the threaded lifting pin is inserted into a threaded hole. In contrast to a ringbolt, time-consuming screwing in and out is therefore unnecessary. The rotatable shackle will always align with the tensile direction of pull without the pin rotating. This prevents the lifting device from being turned out of the thread and the component can be lifted safely.
Both versions are corrosion-protected. The version made of stainless steel is also resistant to corrosion and weathering, so it is also suitable for external use. In addition, the high-strength, precipitation-hardened pin makes extreme loads possible.

Material

Pin part
- Heat-treated steel, tempered, manganese phosphated
- Stainless steel 1.4542, precipitation-hardened

Press button
- Aluminium, orange, anodised

Threaded element
- Stainless steel 1.4542, precipitation-hardened

Shackle
- Heat-treated steel, tempered, manganese phosphated
- Stainless steel 1.4571

Spring
- Stainless Steel

Assembly

Threaded lifting pins can be mounted into a thread that is true to gauge.

Mounting:
1. Press in the button and hold it down.
2. Insert the threaded lifting pin.
3. Release the button (The button must be back in its original position.).
4. Tighten the threaded lifting pin by hand, until it bears compleately on the bearing surface.
5. It must be ensured that the threaded segments are engaged in the mounting thread.

Dismantling:
1. Unscrew the threaded lifting pin approx. a quarter of a turn anticlockwise.
2. Press in the button and hold it down.
3. Remove the threaded lifting pin.
4. Release the button.

Operation

Each threaded lifting pin contains an instruction manual with an EC Declaration of Conformity.

More information

Notes

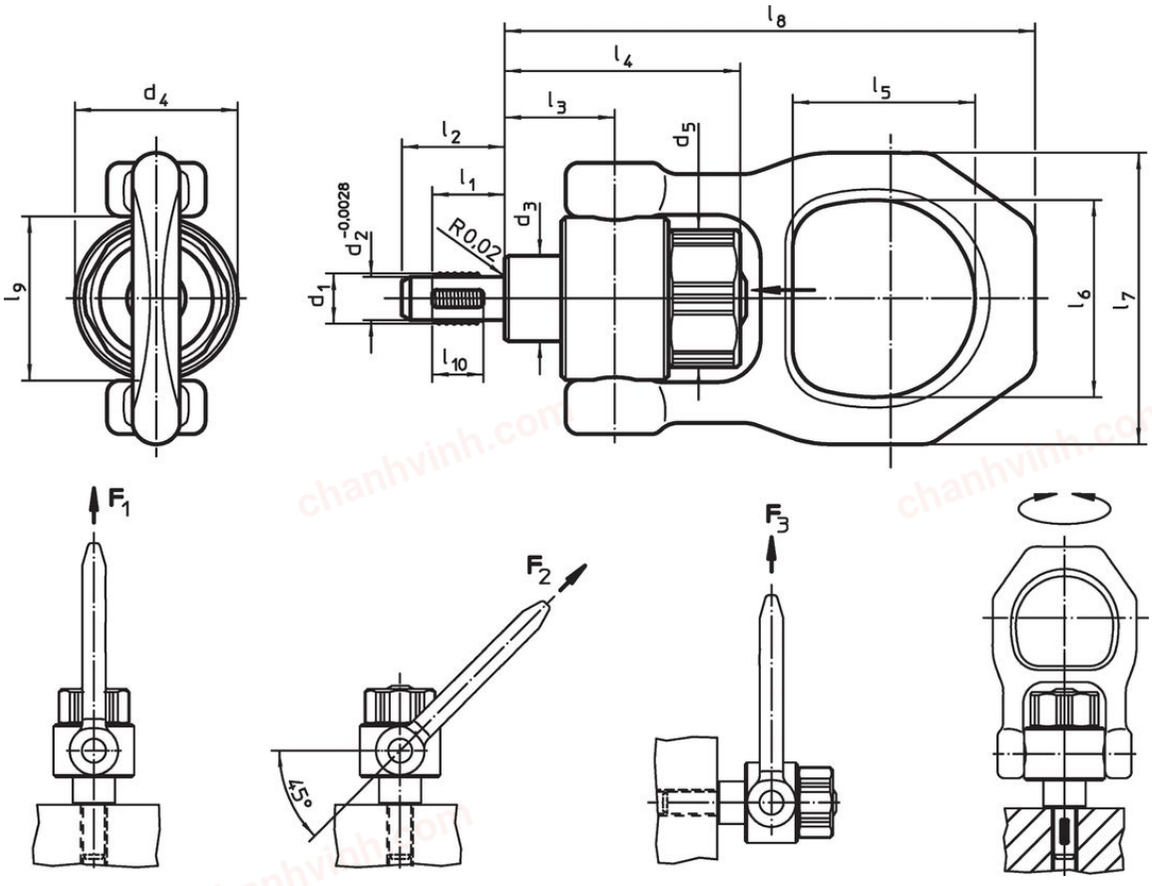
- This product is manufactured in INCH dimensions.

Further products

- Lifting Pins, self-locking, pneumatically operated
- Lifting Pins, self-locking, pneumatically operated, stainless steel
- Lifting Pins, self-locking
- Lifting Pins, self-locking, stainless steel
- Threaded Lifting Pins, self-locking
- Threaded Lifting Pins, self-locking, for centre holes according to DIN 332
- Threaded Lifting Pins, self-locking, with rotatable shackle
- Threaded Lifting Pins, self-locking - INCH

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Drawing



Order information

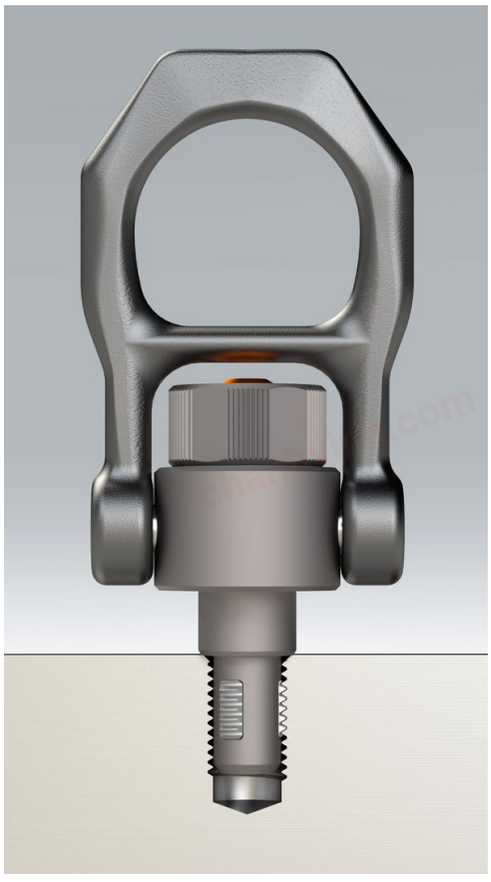
Dimensions															Load capacity according to DIN EN 13155			Locating thread	Tightening torque max.			Art. No.
d_1	l_1	d_2 +0.0028	d_3	d_4	d_5	l_2	l_3	l_4	l_5	l_6	l_7	l_8	l_9	l_{10}	F_1	F_2	F_3		max.			
[in]															[lbf]				[°F]	[lbf ft]		
Heat-treated steel																						
1/2-13	**0.669**	0.416	0.787	1.496	1.319	0.945	1.012	2.161	1.673	1.811	2.677	4.870	1.496	0.472	1528	764	607	1/2-13	482	1.48	23.52 oz	2B353.0012
3/4-10	**0.866**	0.640	1.378	2.323	1.969	1.181	1.437	2.902	2.189	2.756	4.016	6.594	2.323	0.669	3619	1731	1124	3/4-10	482	2.21	4.10 lb	2B353.0020
1-8	**1.063**	0.863	1.378	2.323	1.969	1.417	1.654	3.118	2.189	2.756	4.016	6.811	2.323	0.866	4159	3147	2225	1-8	482	2.21	4.20 lb	2B353.0024[1)]
Stainless steel																						
1/2-13	**0.669**	0.416	0.787	1.496	1.319	0.945	1.012	2.161	1.673	1.811	2.677	4.870	1.496	0.472	1528	764	607	1/2-13	482	1.48	21.82 oz	2B353.1012
3/4-10	**0.866**	0.640	1.378	2.323	1.969	1.181	1.437	2.902	2.189	2.756	4.016	6.594	2.323	0.669	3619	1731	1124	3/4-10	482	2.21	4.20 lb	2B353.1020
1-8	**1.063**	0.863	1.378	2.323	1.969	1.417	1.654	3.118	2.189	2.756	4.016	6.811	2.323	0.866	4046	3147	2225	1-8	482	2.21	4.40 lb	2B353.1024[1)]

[1)] from 302°F linear decrease of the load capacity by 23%

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Application example

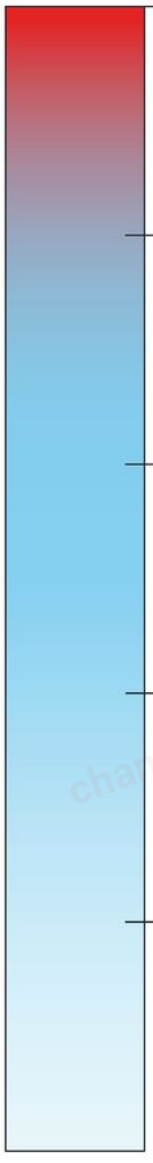




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Information on the load capacities



5 x load*

Break load test
Not included in DIN EN 13155
Not tested by TÜV Süd
Lifting device is destroyed
Load is no longer held

3 x load

Test according to DIN EN 13155
Tested by TÜV Süd
Lifting device is allowed to be deformed
Load is held

2 x load

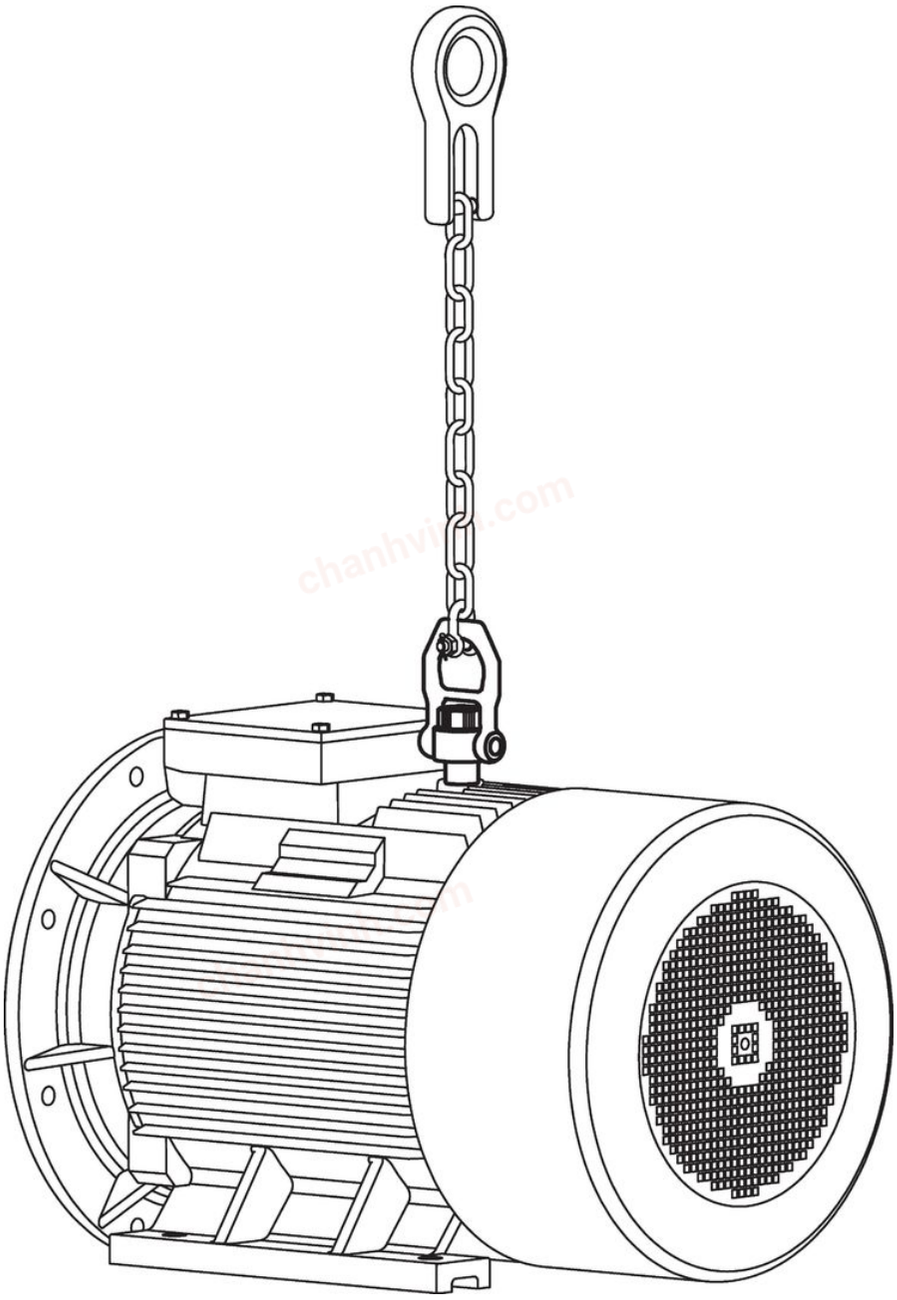
Test according to DIN EN 13155
Tested by TÜV Süd
Lifting device must not be deformed

1 x load

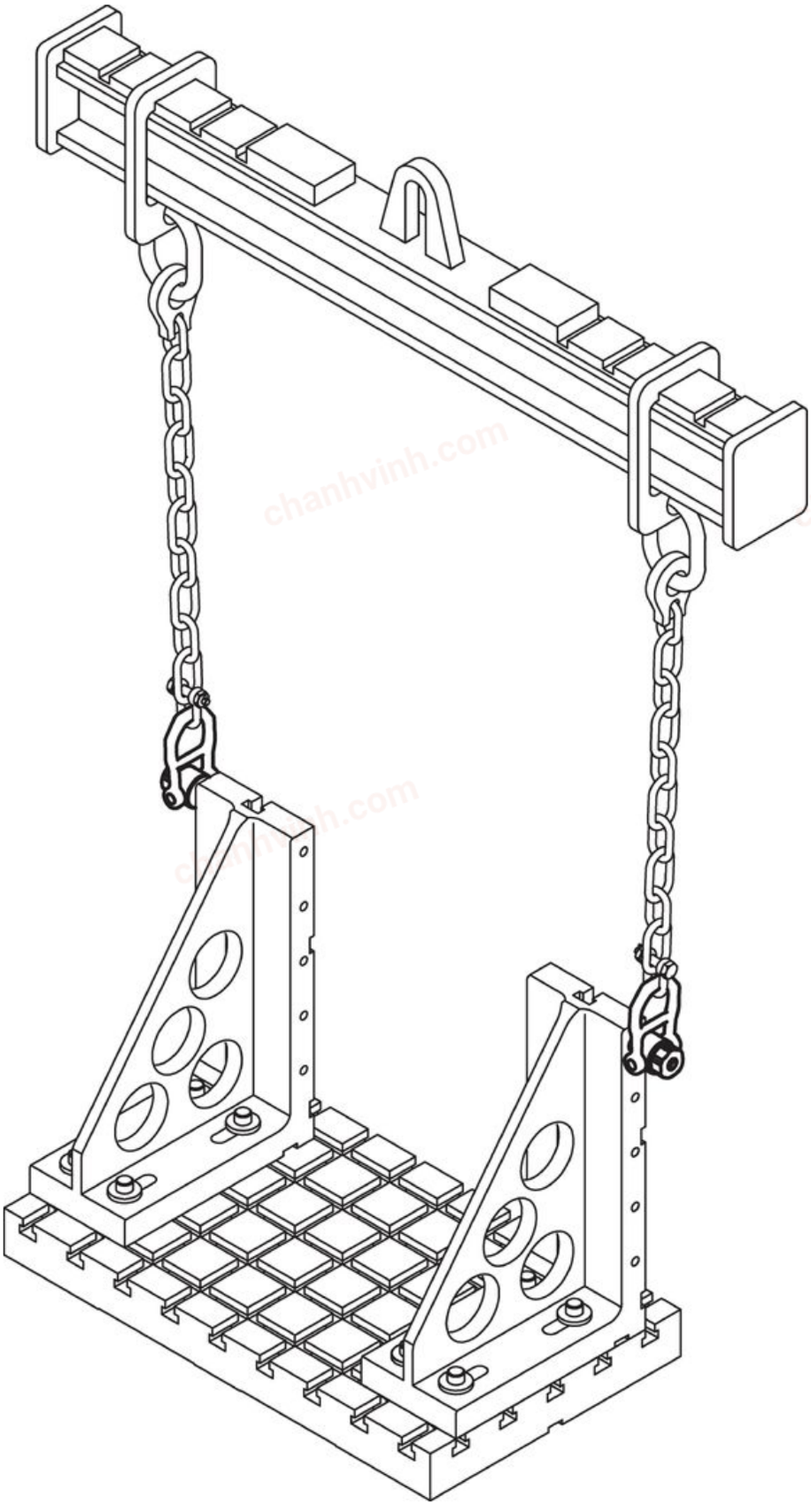
Maximum permissible and specified load
Greater loads are not allowed during use!

*For lifting pins, the specification 5 x load only applies to x min.

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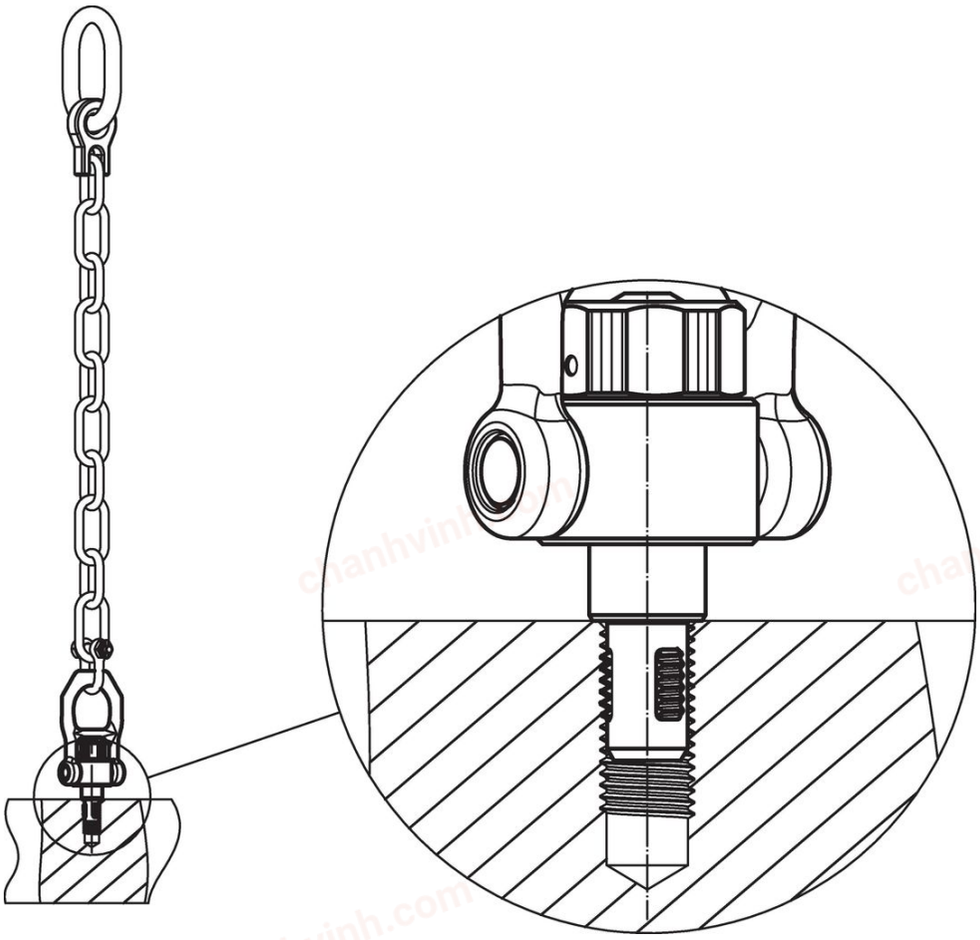


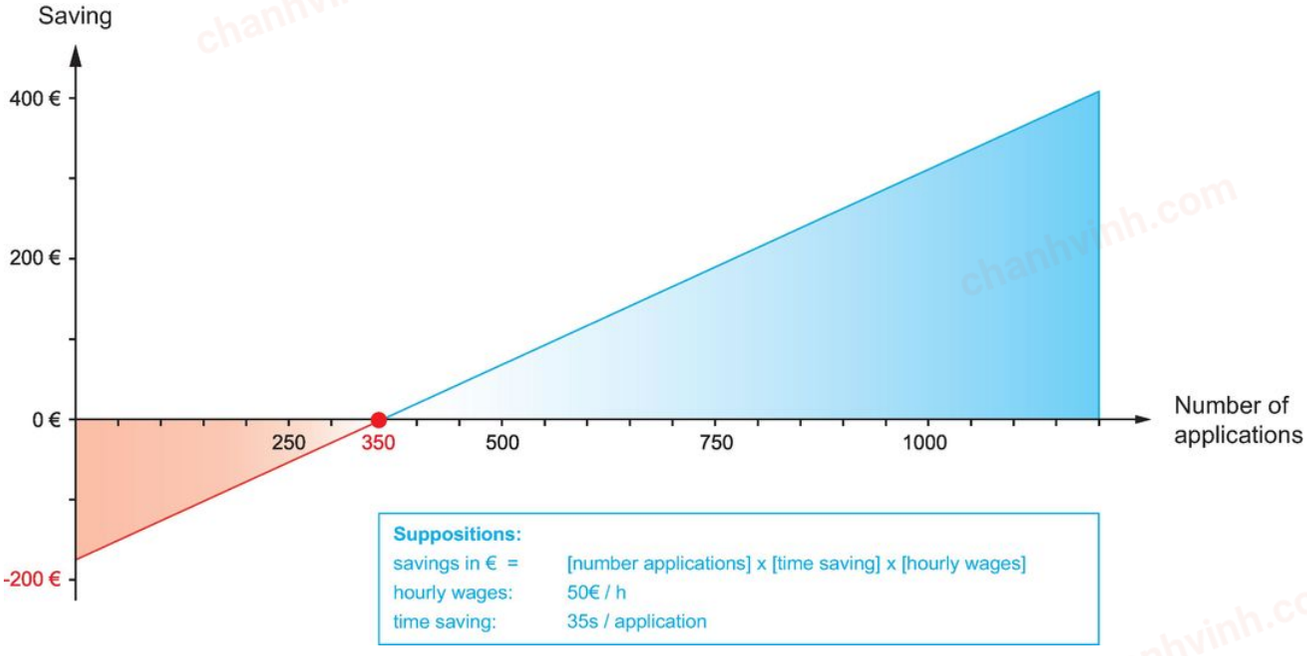
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Suppositions:

savings in € =	[number applications] x [time saving] x [hourly wages]
hourly wages:	50€ / h
time saving:	35s / application

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Compliance

RoHS-compliant
Contains lead – Compliant with Exemption 6(b)-II.

Contains SVHC substances >0,1% w/w
Contains lead - SVHC list [REACH] as of 04.02.2026.

SCIP-code
94eb5e55-6cf9-4666-baf3-a7345bc8015b

Contains Proposition 65 substances



Nickel can cause cancer from exposure. / Lead can lead to cancer, developmental disorders, and reproductive damage in men and to reproductive damage in women from exposure.
https://www.P65Warnings.ca.gov/

Free from Conflict Minerals
This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.

POP-compliant
Contains no persistent organic pollutants – Stockholm Convention [POP] as of September 2025.

PFAS-compliant
Contains no per- and polyfluoroalkyl substances (PFAS).

TSCA-compliant
Agent concentration in this product does not exceed the specified threshold.