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# **Threaded Lifting Pins** • self-locking, with rotatable shackle

## EH 22353.



## 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**

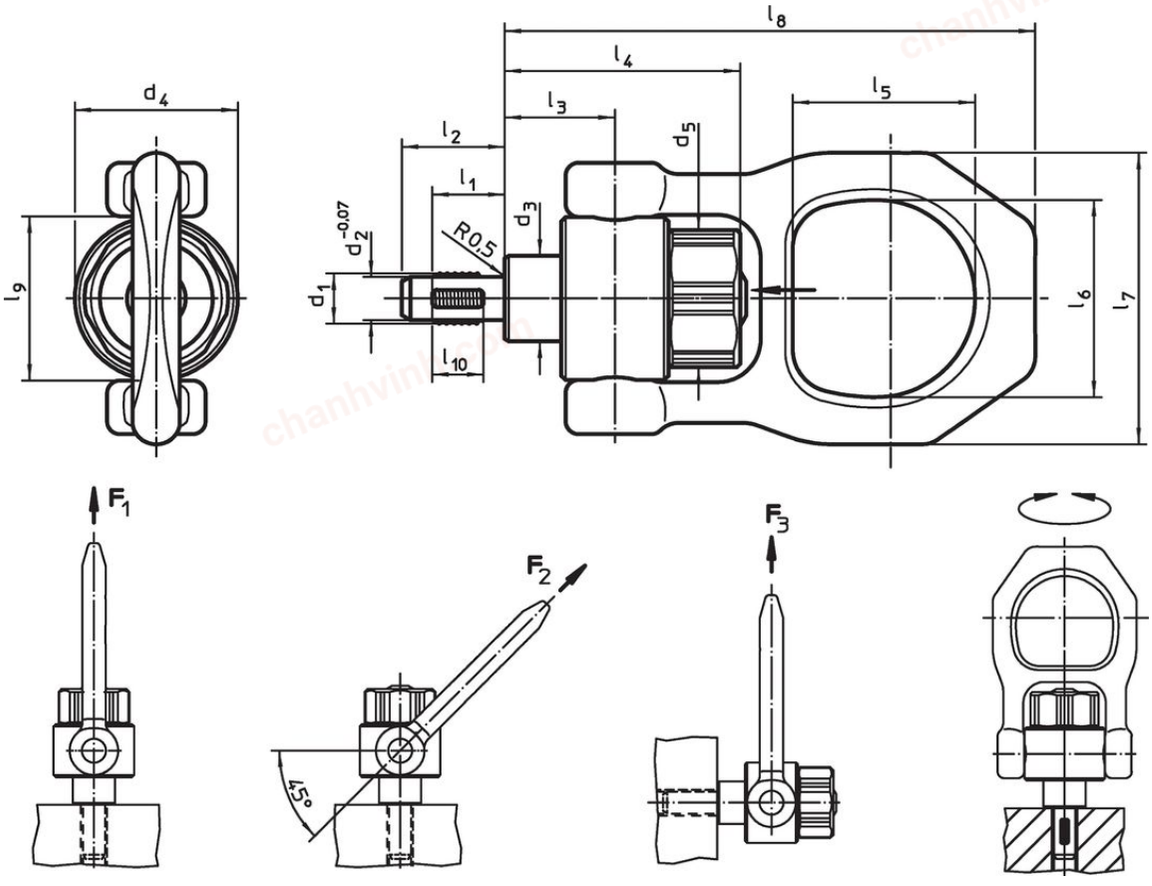
### Further products

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

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## Drawing




## Order information

| Dimensions | | | | | | | | | | | | | | | Load capacity according to DIN EN 13155 | | | Locating thread | Tightening torque max. | | Art. No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d_1$ | $l_1$ | $d_2$ -0.07 | $d_3$ | $d_4$ | $d_5$ | $l_2$ | $l_3$ | $l_4$ | $l_5$ | $l_6$ | $l_7$ | $l_8$ | $l_9$ | $l_{10}$ | $F_1$ | $F_2$ | $F_3$ | | max. | | |
| [mm] | | | | | | | | | | | | | | | [kN] | | | [mm] | [°C] | [Nm] | |
| **Heat-treated steel** | | | | | | | | | | | | | | | | | | | | | |
| **M 8** | **12** | 6.62 | 20 | 38 | 33.5 | 17.8 | 25.7 | 54.9 | 42.5 | 46 | 68 | 123.7 | 38 | 8 | 2.1 | 0.9 | 0.8 | M 8 | 250 | 2 | 658.0 g | 22353.0008 |
| **M10** | **14** | 8.35 | 20 | 38 | 33.5 | 20.0 | 25.7 | 54.9 | 42.5 | 46 | 68 | 123.7 | 38 | 10 | 3.9 | 1.5 | 1.5 | M10 | 250 | 2 | 659.0 g | 22353.0010 |
| **M12** | **17** | 10.07 | 20 | 38 | 33.5 | 24.0 | 25.7 | 54.9 | 42.5 | 46 | 68 | 123.7 | 38 | 12 | 6.2 | 2.5 | 2.3 | M12 | 250 | 2 | 667.0 g | 22353.0012 |
| **M16** | **17** | 13.80 | 20 | 38 | 33.5 | 24.0 | 25.7 | 54.9 | 42.5 | 46 | 68 | 123.7 | 38 | 12 | 8.4 | 4.5 | 4.2 | M16 | 250 | 2 | 675.0 g | 22353.0016 |
| **M20** | **22** | 17.25 | 35 | 59 | 50.0 | 30.0 | 36.5 | 73.7 | 55.6 | 70 | 102 | 167.5 | 59 | 17 | 16.6 | 7.7 | 5.0 | M20 | 250 | 3 | 1.9 kg | 22353.0020 |
| **M24** | **27** | 20.70 | 35 | 59 | 50.0 | 36.0 | 42.0 | 79.2 | 55.6 | 70 | 102 | 173.0 | 59 | 22 | 18.5 | 11.1 | 8.6 | M24 | 250 | 3 | 1.9 kg | 22353.0024[1)] |
| **Stainless steel** | | | | | | | | | | | | | | | | | | | | | |
| **M 8** | **12** | 6.62 | 20 | 38 | 33.5 | 17.8 | 25.7 | 54.9 | 42.5 | 46 | 68 | 123.7 | 38 | 8 | 2.1 | 0.9 | 0.8 | M 8 | 250 | 2 | 673.0 g | 22353.1008 |
| **M10** | **14** | 8.35 | 20 | 38 | 33.5 | 20.0 | 25.7 | 54.9 | 42.5 | 46 | 68 | 123.7 | 38 | 10 | 3.9 | 1.5 | 1.5 | M10 | 250 | 2 | 698.0 g | 22353.1010 |
| **M12** | **17** | 10.07 | 20 | 38 | 33.5 | 24.0 | 25.7 | 54.9 | 42.5 | 46 | 68 | 123.7 | 38 | 12 | 6.2 | 2.5 | 2.3 | M12 | 250 | 2 | 711.0 g | 22353.1012 |
| **M16** | **17** | 13.80 | 20 | 38 | 33.5 | 24.0 | 25.7 | 54.9 | 42.5 | 46 | 68 | 123.7 | 38 | 12 | 8.4 | 4.5 | 4.2 | M16 | 250 | 2 | 717.0 g | 22353.1016 |
| **M20** | **22** | 17.25 | 35 | 59 | 50.0 | 30.0 | 36.5 | 73.7 | 55.6 | 70 | 102 | 167.5 | 59 | 17 | 16.6 | 7.7 | 5.0 | M20 | 250 | 3 | 1.9 kg | 22353.1020 |
| **M24** | **27** | 20.70 | 35 | 59 | 50.0 | 36.0 | 42.0 | 79.2 | 55.6 | 70 | 102 | 173.0 | 59 | 22 | 18.0 | 11.1 | 8.6 | M24 | 250 | 3 | 2.0 kg | 22353.1024[1)] |

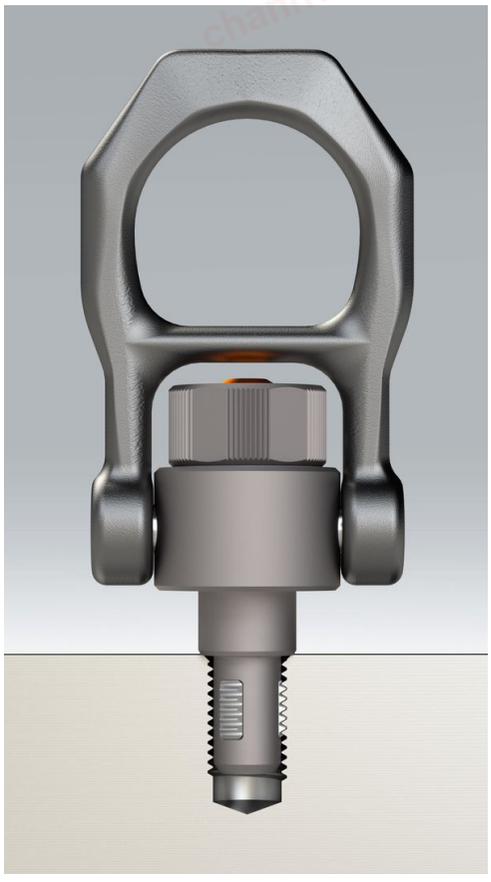
[1)] from 150°C linear decrease of the load capacity by 23%

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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

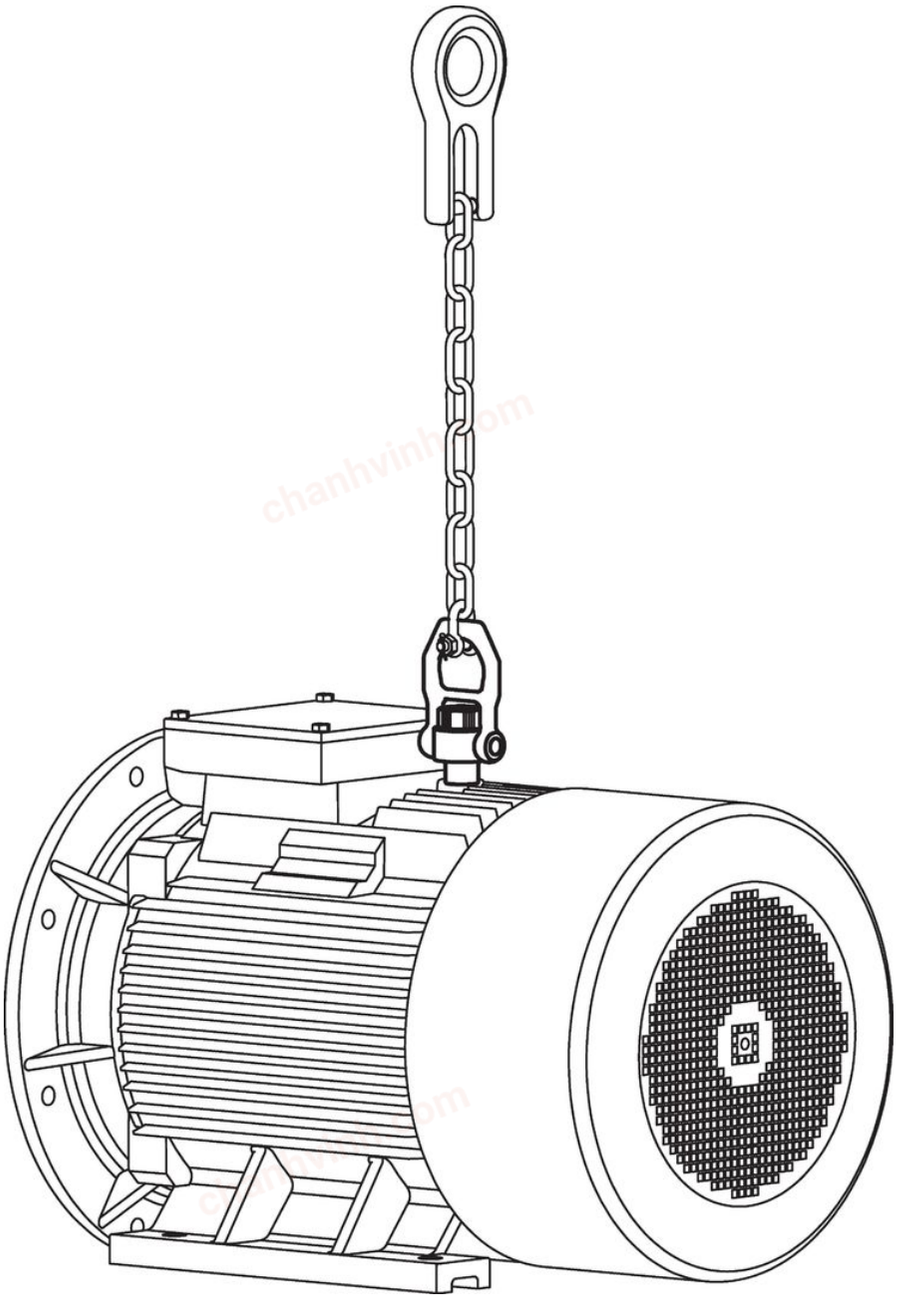
### 1 x load

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.

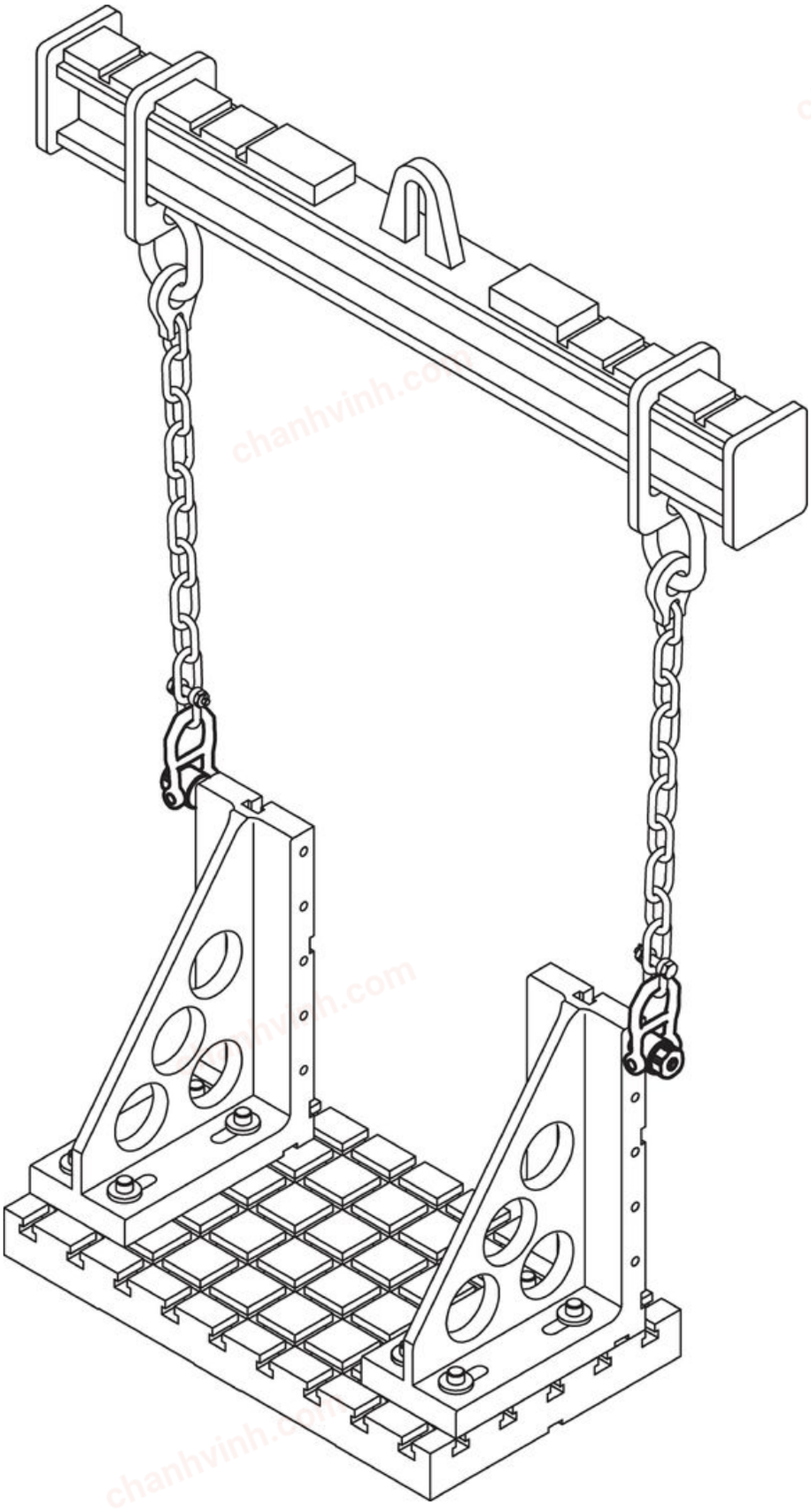
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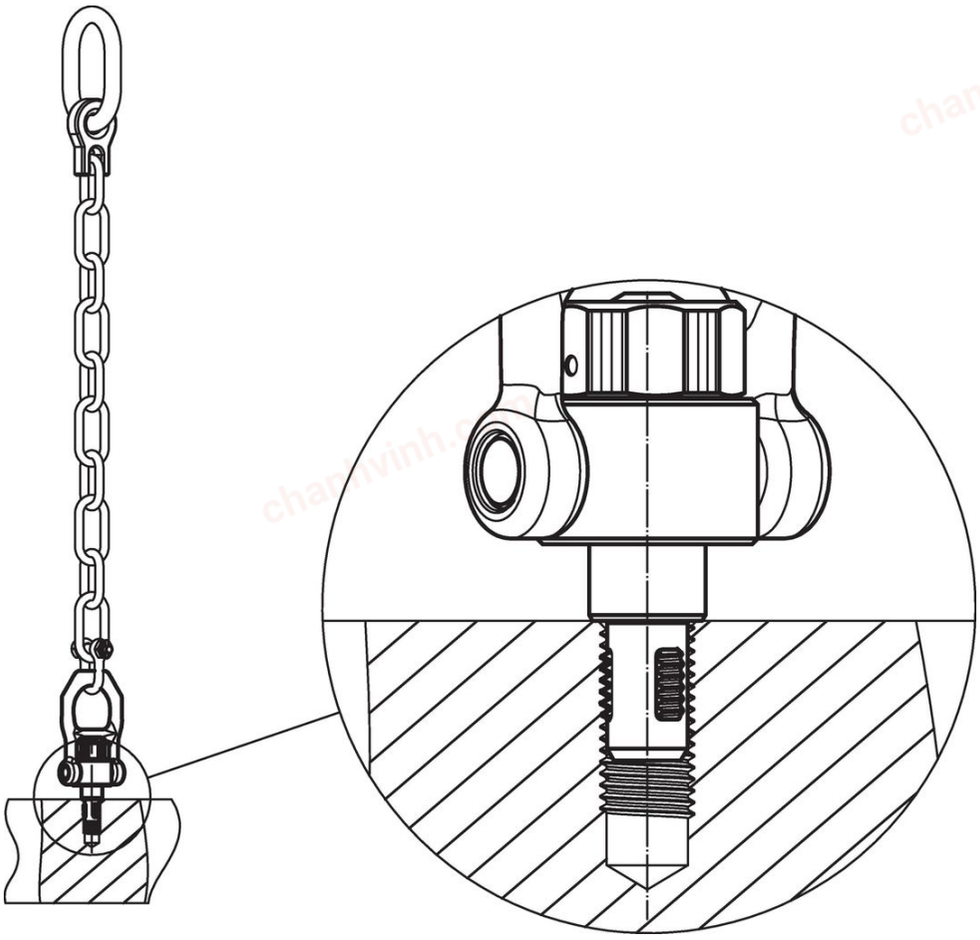
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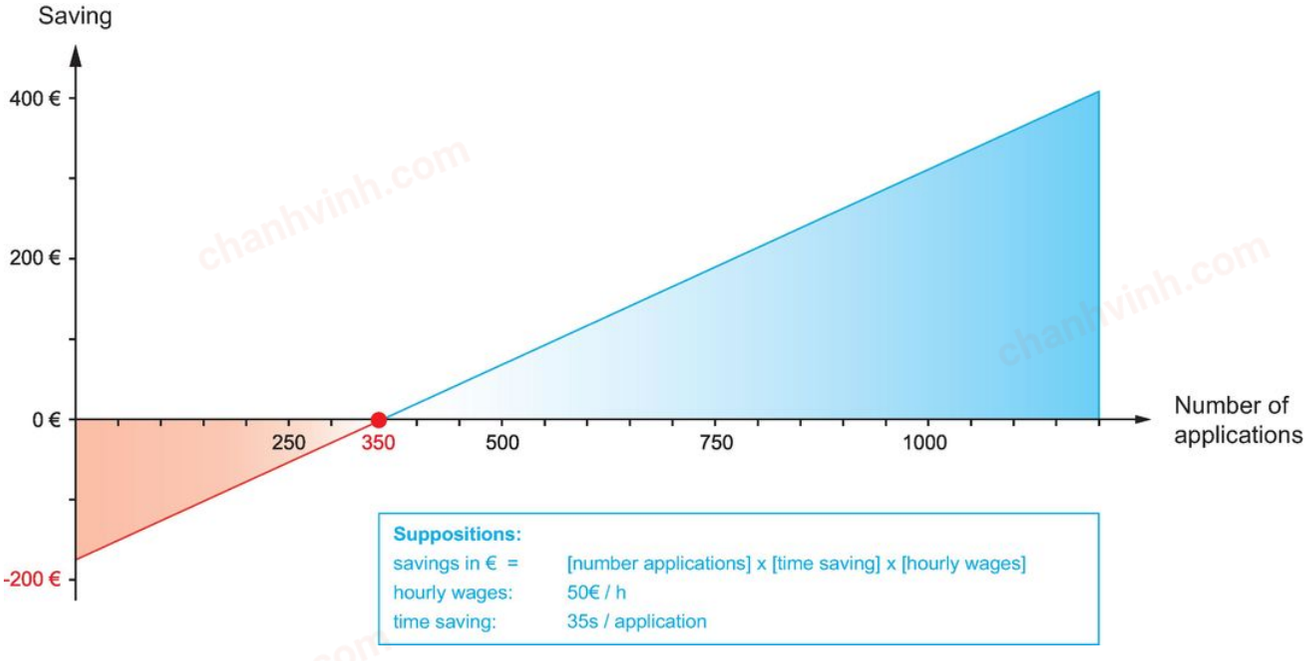




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## Compliance

**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.