

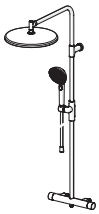
Oras

Installation and maintenance guide

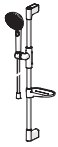

4-8



9-10



11-13



14-16

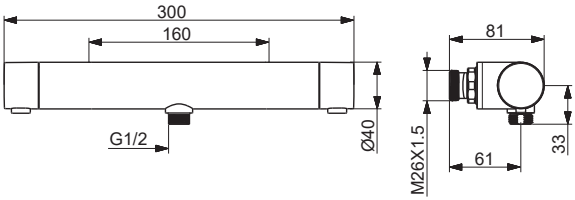

16-20


21

4750



I (ISO 3822)
EN1111
100 - 1000 kPa
0.24 l/s (300 kPa (Eco))
0.26 l/s (300 kPa)
max. +80°C

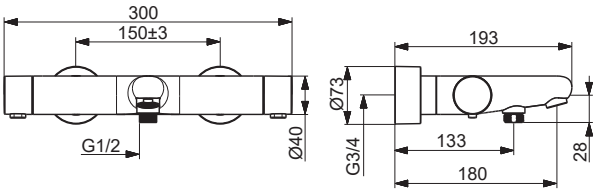


mpi.oras.com/4750

4740



I (ISO 3822)
EN1111
100 - 1000 kPa
0.22 l/s (300 kPa (Eco))
0.25/0.33 l/s (300 kPa)
max. +80°C

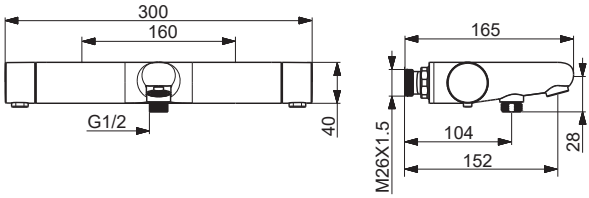


mpi.oras.com/4740

4754



I (ISO 3822)
EN1111
100 - 1000 kPa
0.22 l/s (300 kPa (Eco))
0.25/0.33 l/s (300 kPa)
max. +80°C

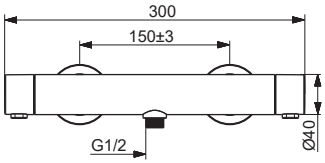


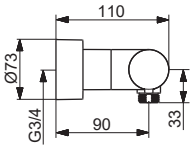
mpi.oras.com/4754

4760



I (ISO 3822)
EN1111
100 - 1000 kPa
0.24 l/s (300 kPa (Eco))
0.26 l/s (300 kPa)
max. +80°C

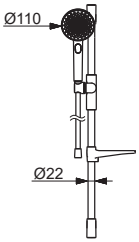


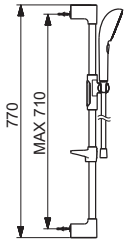


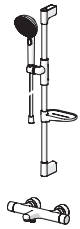
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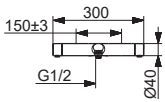
4749

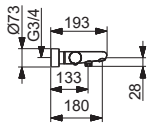
I (ISO 3822)
EN1111, EN1112, EN1113
100 - 1000 kPa
0.16 l/s (300 kPa (Eco))
0.17/0.33 l/s (300 kPa)
max. +65°C







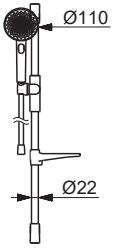


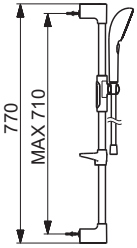


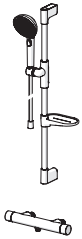
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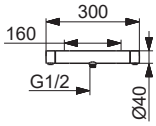
4759

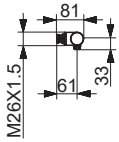
I (ISO 3822)
EN1111, EN1112, EN1113
100 - 1000 kPa
0.17 l/s (300 kPa (Eco))
0.18 l/s (300 kPa)
max. +65°C







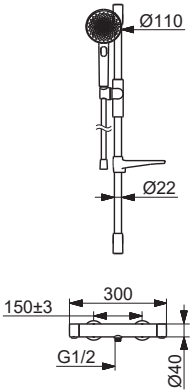


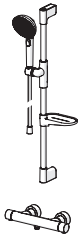


mpi.oras.com/4759

4769

I (ISO 3822)
EN1111, EN1112, EN1113
100 - 1000 kPa
0.17 l/s (300 kPa (Eco))
0.18 l/s (300 kPa)
max. +65°C

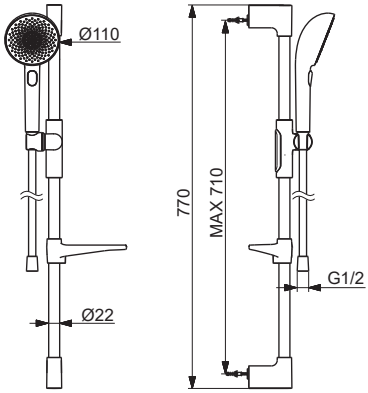


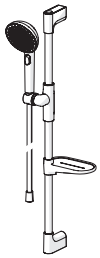


mpi.oras.com/4769

4790

I (ISO 3822)
EN1112, EN1113
50 - 500 kPa
0.2 l/s (300 kPa w/ flow reducers)
max. +65°C

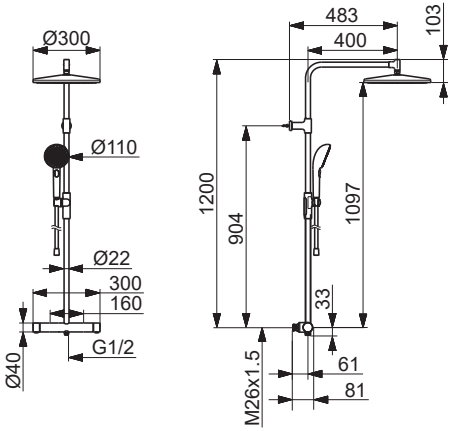


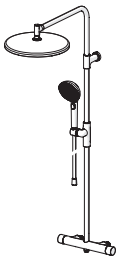


mpi.oras.com/4790

4756

I (ISO 3822)
EN1111, EN1112, EN1113
100 - 1000 kPa
0.16 l/s (300 kPa (Eco))
0.17 l/s (300 kPa)
max. +65°C

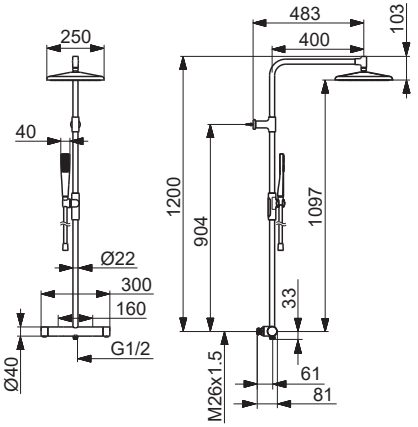


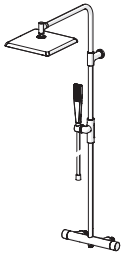


mpi.oras.com/4756

4757

I (ISO 3822)
EN1111, EN1112, EN1113
100 - 1000 kPa
0.12 l/s (300 kPa (Eco))
0.13 l/s (300 kPa)
max. +65°C

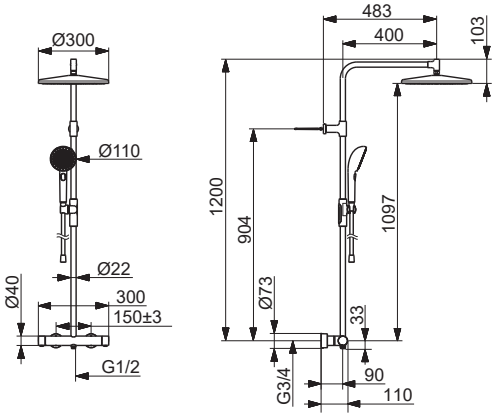


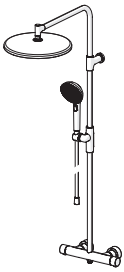


mpi.oras.com/4757

4792

I (ISO 3822)
EN1111, EN1112, EN1113
100 - 1000 kPa
0.16 l/s (300 kPa (Eco))
0.17 l/s (300 kPa)
max. +65°C

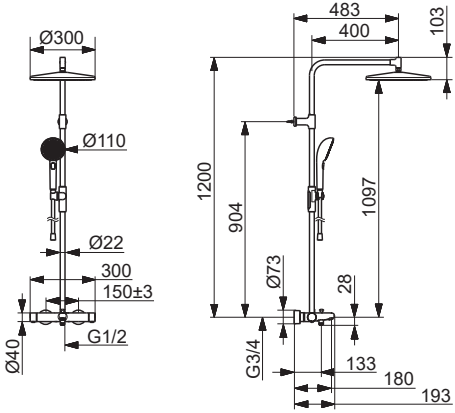


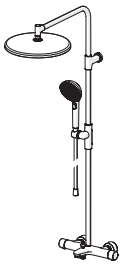


mpi.oras.com/4792

4793

I (ISO 3822)
EN1111, EN1112, EN1113
100 - 1000 kPa
0.16 l/s (300 kPa (Eco))
0.17/0.32 l/s (300 kPa)
max. +65°C

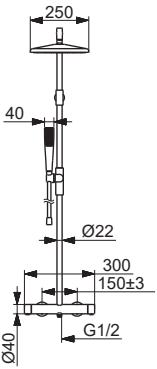


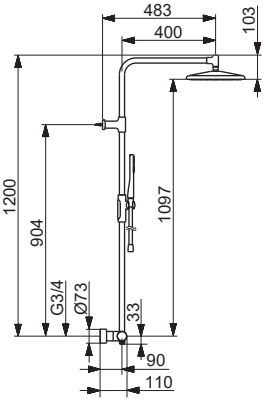


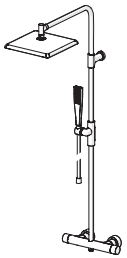
mpi.oras.com/4793

4796

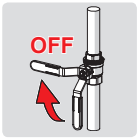
I (ISO 3822)
EN1111, EN1112, EN1113
100 - 1000 kPa
0.12 l/s (300 kPa (Eco))
0.13 l/s (300 kPa)
max. +65°C







mpi.oras.com/4796







①



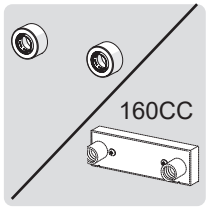
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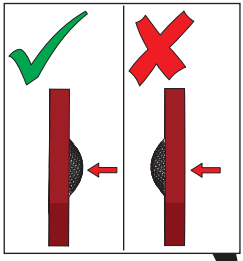
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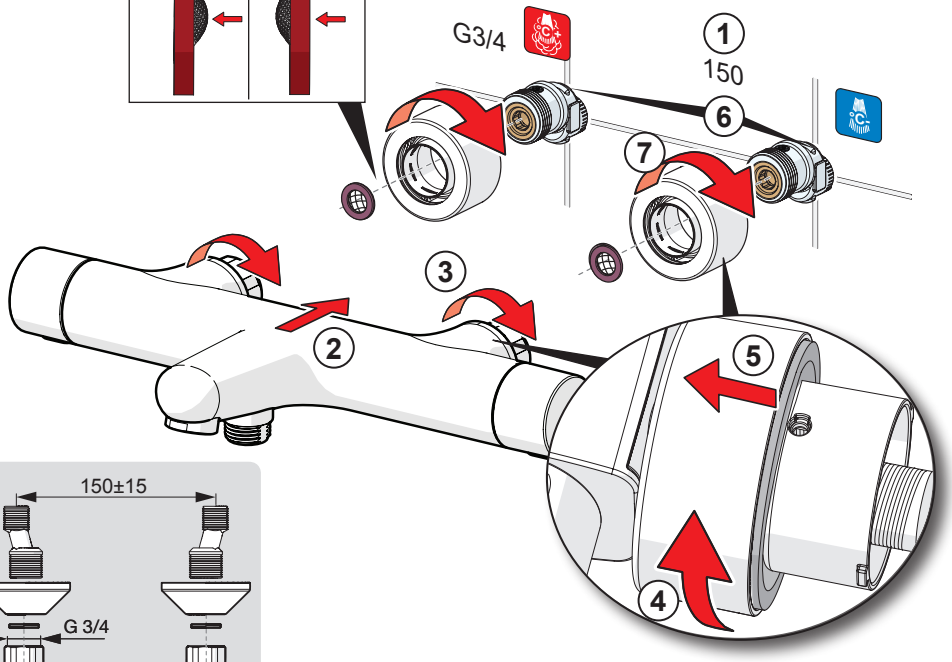


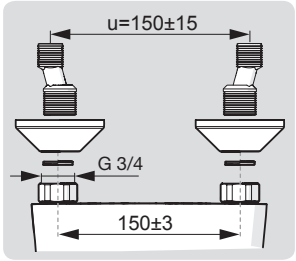
max.
1600 kPa

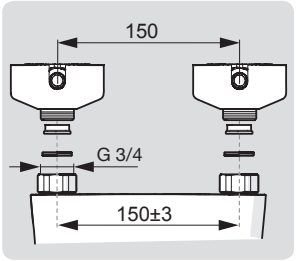


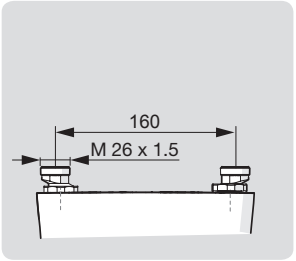
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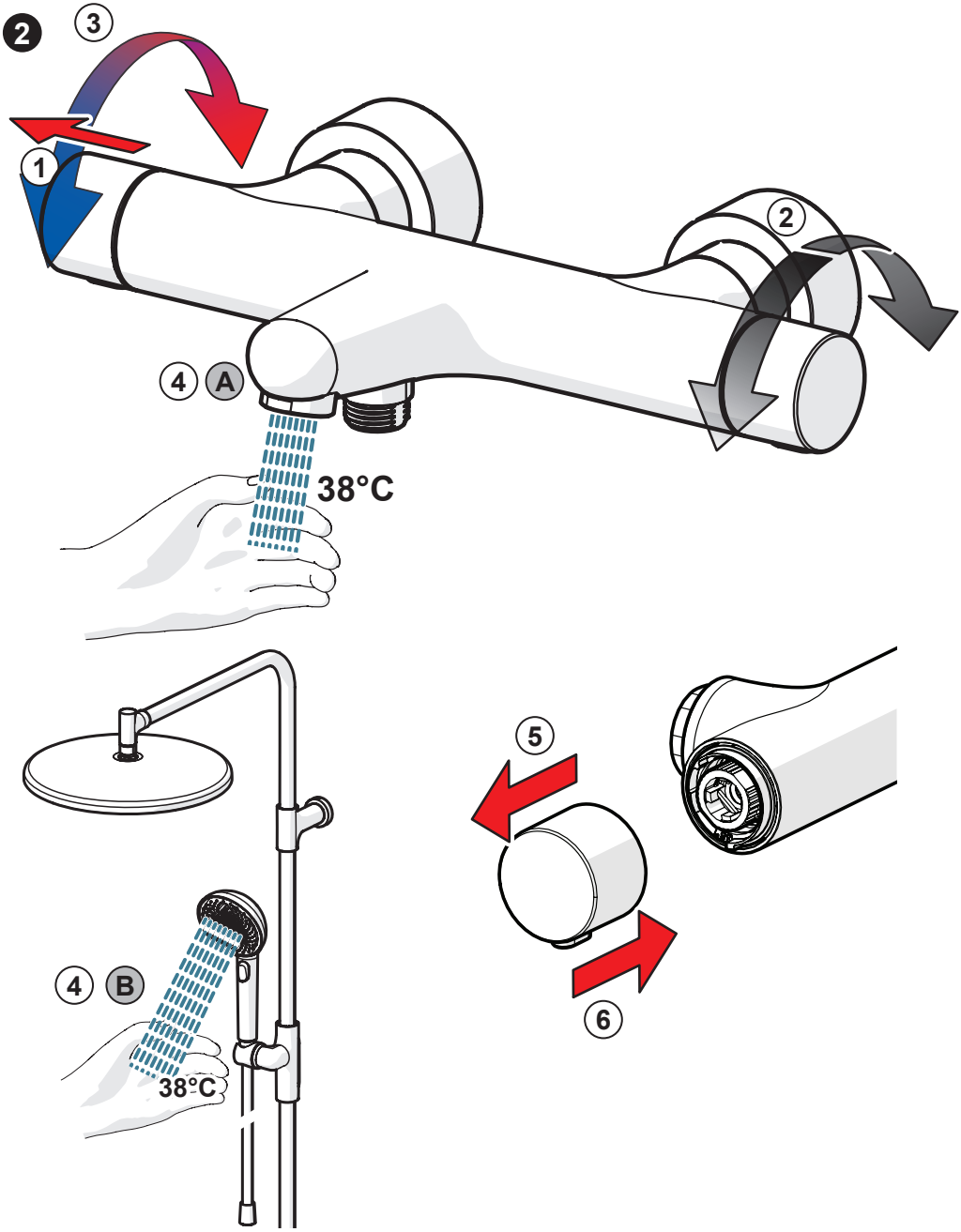


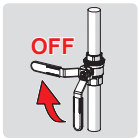









2
3
1
2
4
A
38°C
4
B
38°C
5
6







1



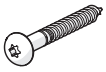
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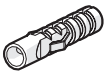
1



max.
1600 kPa

A  x 2

B  x 2

C  x 2

D  x 1

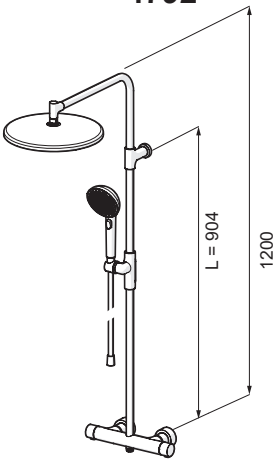
E  x 1

F  x 2

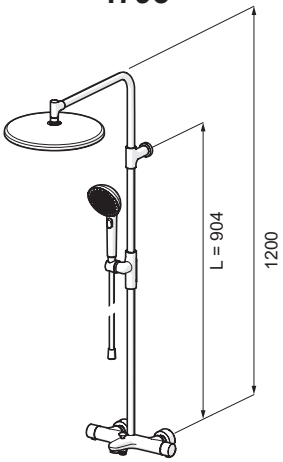
G  x 1

1 ⚠ L 1

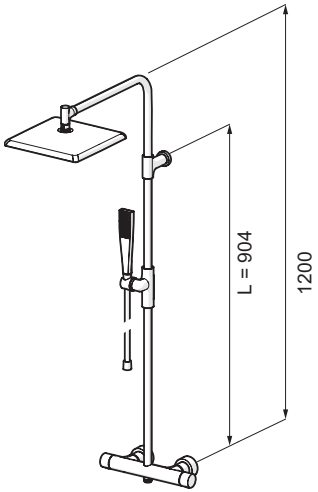
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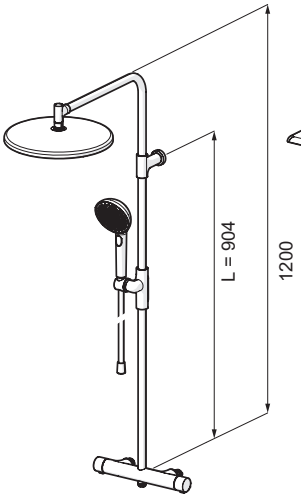
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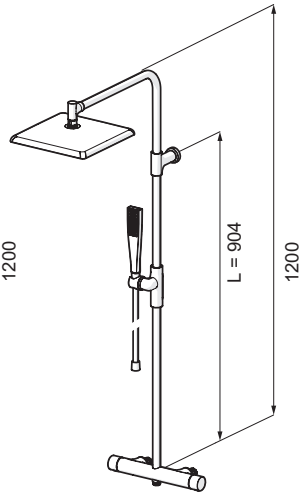
4796



4756



4757

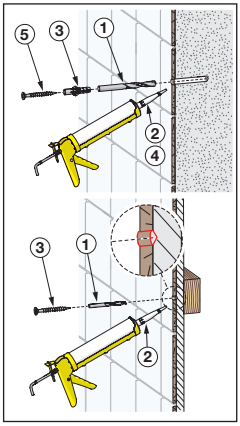


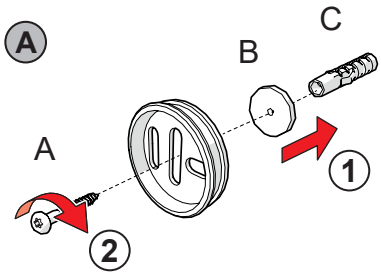


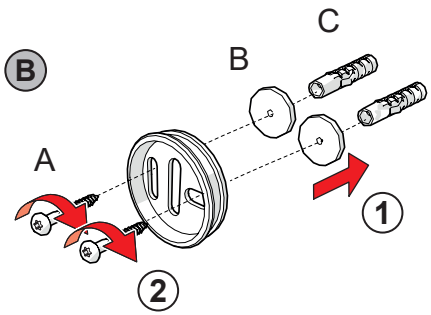


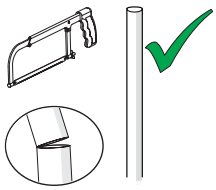
❷ ②

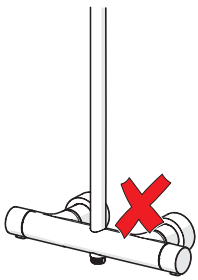
❷ L

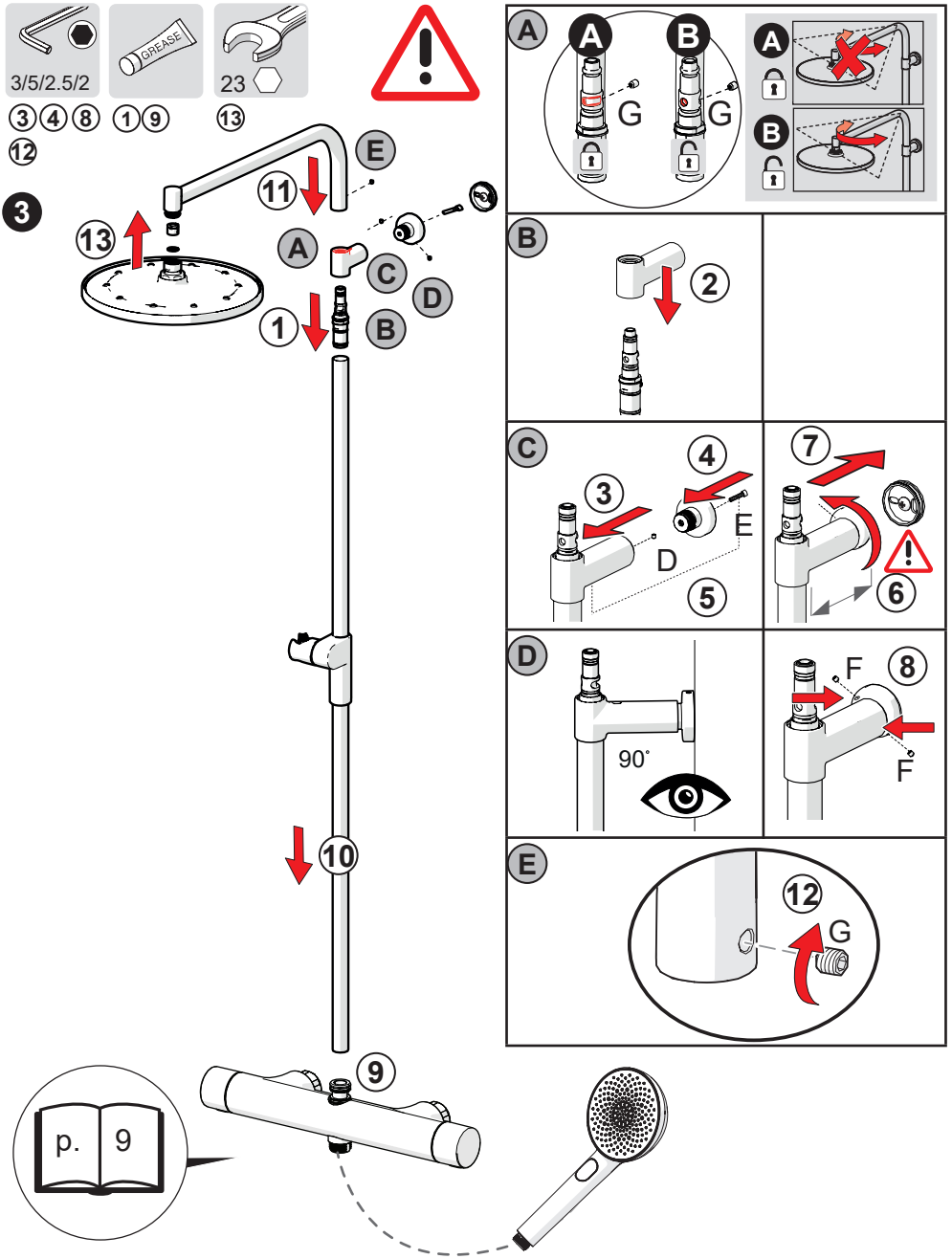


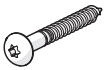




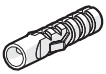




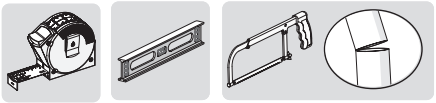

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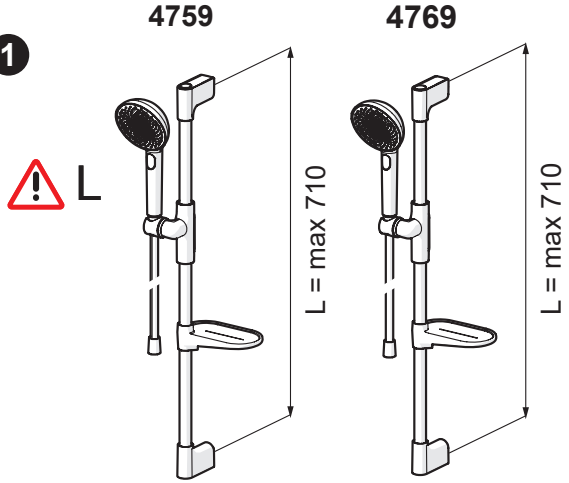
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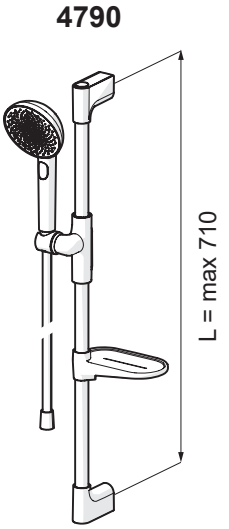
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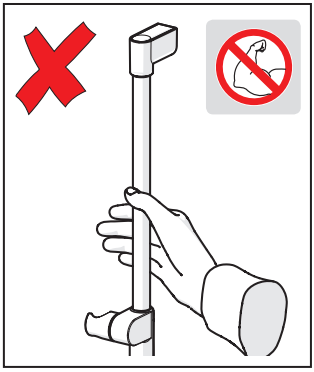


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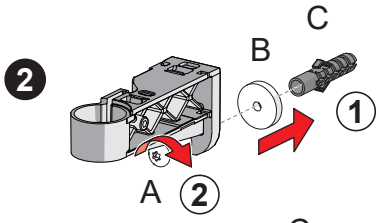


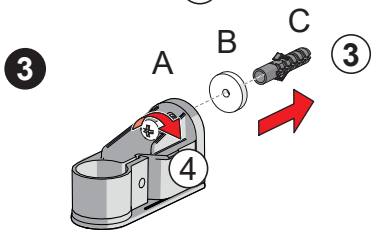


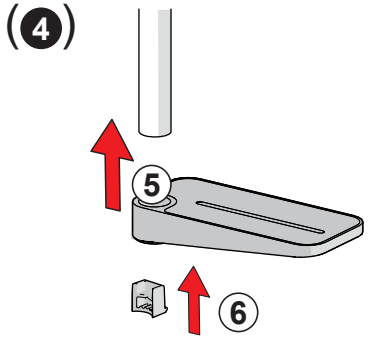
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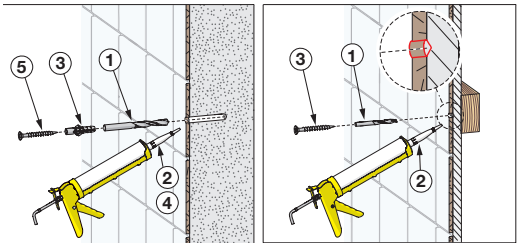


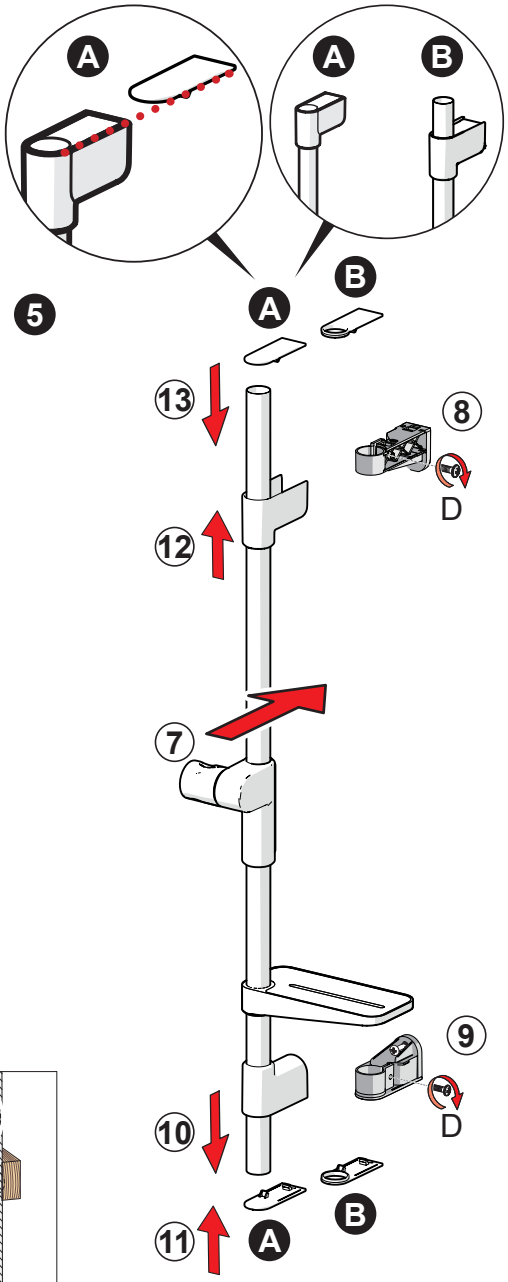
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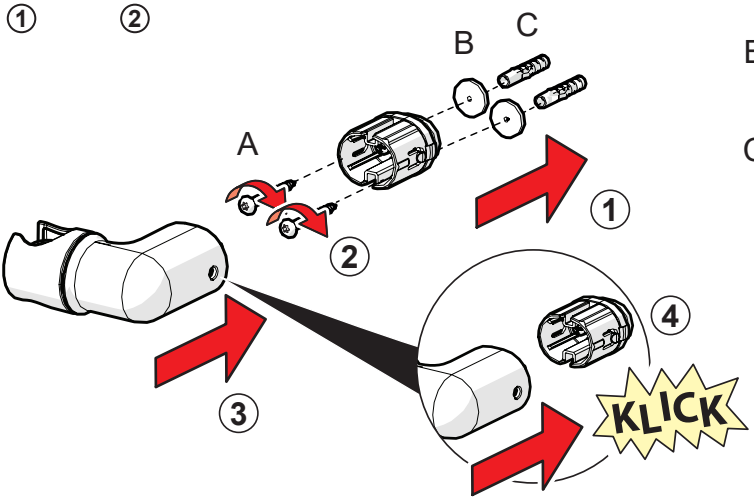


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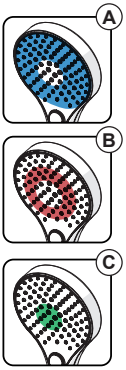
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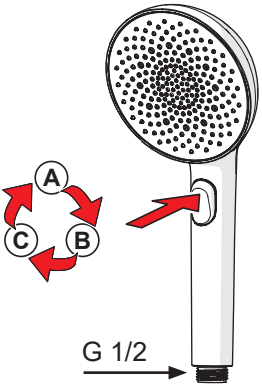
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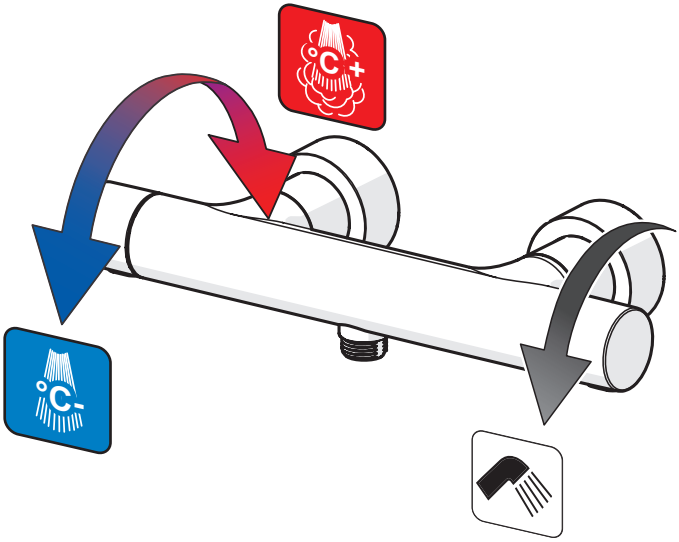
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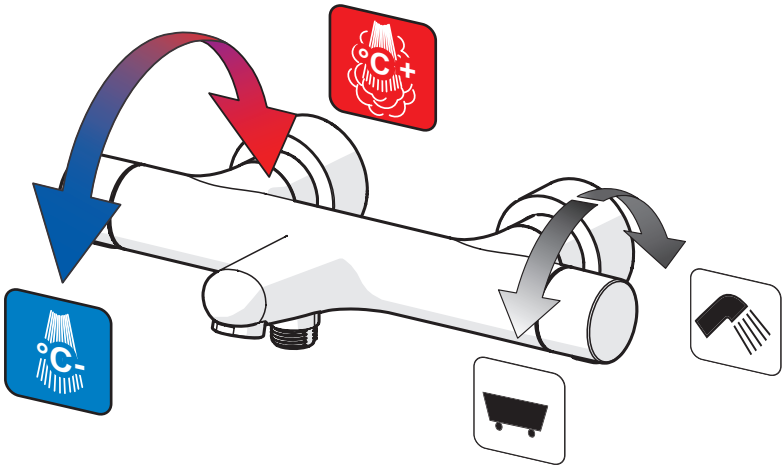


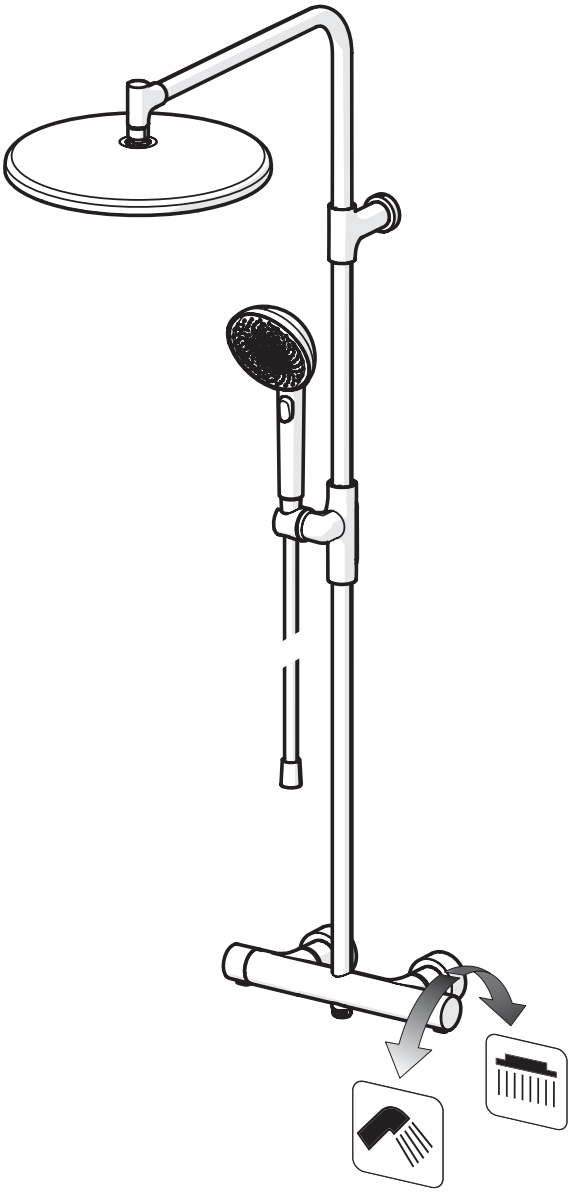
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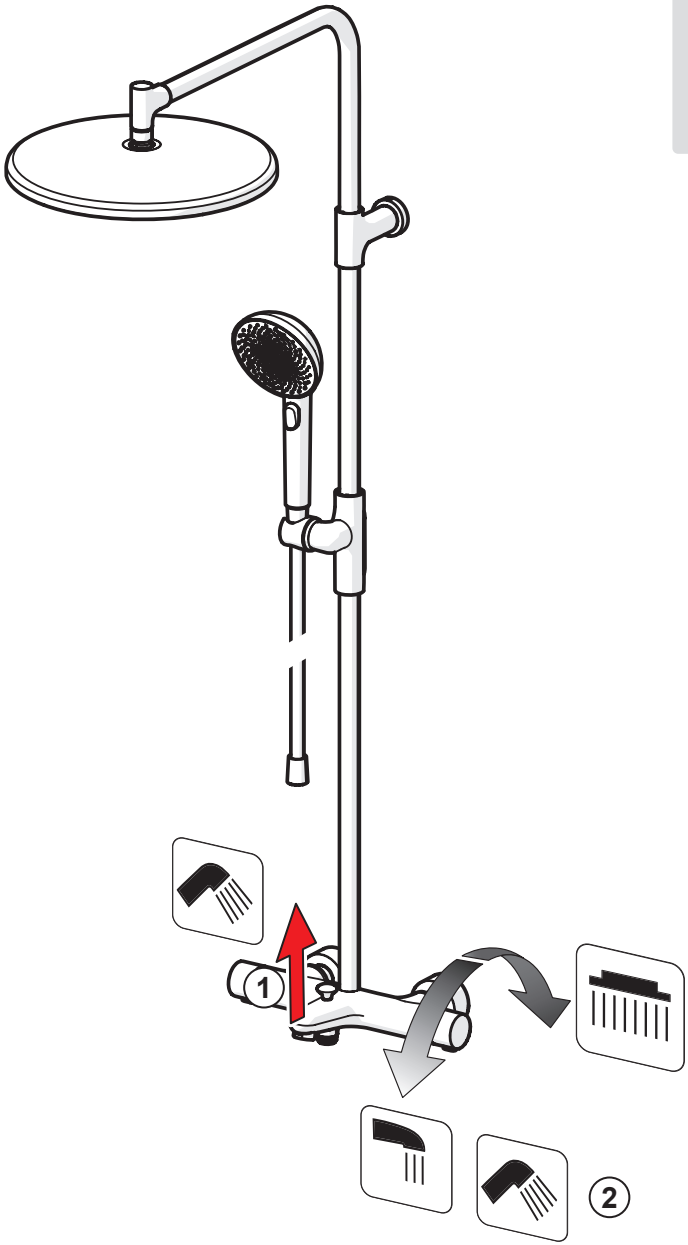


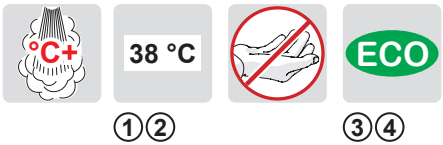


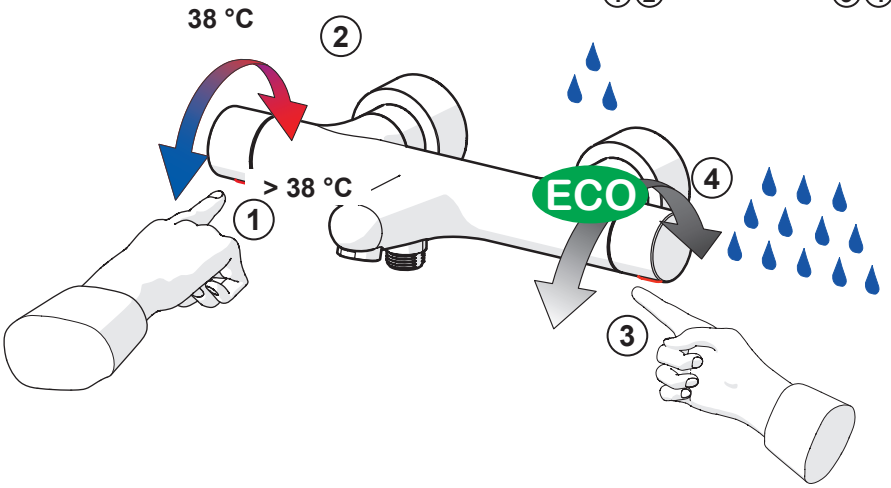


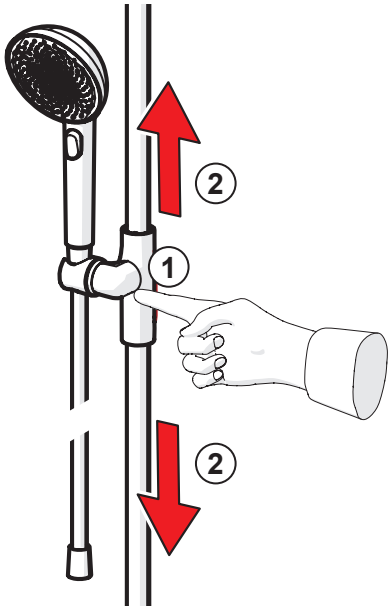





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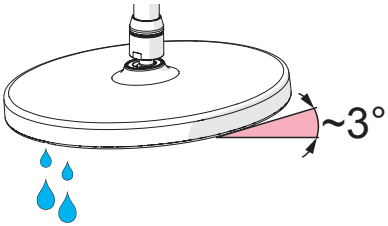

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38 °C
ECO
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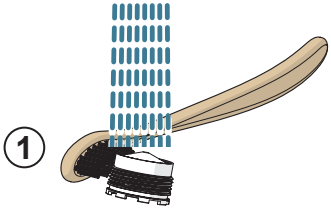

38 °C
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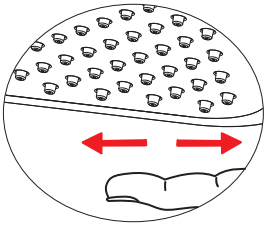

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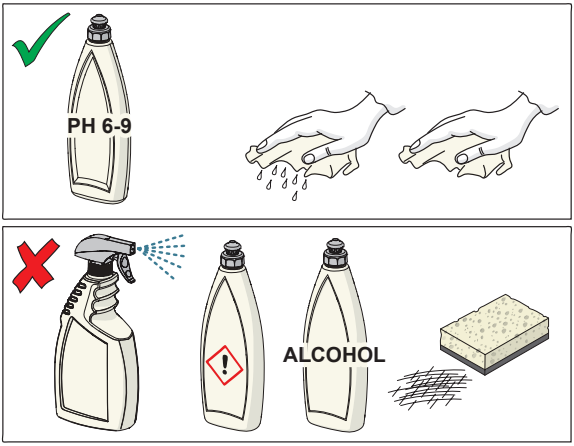


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About Oras Group

Oras Group is a significant European provider of sanitary fittings: the market leader in the Nordics and a leading company in Continental Europe. The company's mission is to create the smartest water experiences for everyone and its vision is to become the Perfect Flow Company. The Group has two strong brands, Oras and Hansa. Oras Group is owned by Oras Invest, a family company, and an industrial owner.

The domicile of Oras Ltd, the parent company of the Group, is located in Rauma, Finland, and the Group has two manufacturing sites: Olesno (Poland) and Rauma (Finland). The Group operates with its own staff in 17 markets. Oras Group's net sales were 233.5 million euros in 2021 and at the end of the period the company employed 1255 people.

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