FIRE MAX 3

Next generation of protection and wearing comfort.

Ready for operation at any time with the FIRE MAX 3. Especially lightweight. Especially comfortable.
FIRE MAX 3 – the protective suit.


Developed by professionals for extreme operations.

The Rosenbauer FIRE MAX 3 protective suit was developed to offer firefighters maximum protection while at the same time guaranteeing the best wearing comfort.

- Maximum protection class in all three categories: heat resistance, water density, and water vapor permeation resistance
- Tested according to EN ISO 11612 for protection against liquid iron splashes
- Protective clothing against the thermal hazards of an electric arc IEC 61482-2 Class 2
- Maximum comfort – maximum protection
- Modern, sporty style
- With many functional and practical details
Improved visibility – with new reflective stripes.

The FIRE MAX 3 also offers various benefits in terms of reflective stripes:

- Certified in line with visibility regulations as per Annex B of EN 469
- Sleeves and collar with silver reflective braid
- Reflective stripes around the torso, sleeves and pant legs
- Additional vertical reflective stripes on the front side and slightly v-shaped stripes on the back side of the jacket
- Silver-colored reflective stripes on the chest and vertically on the pants legs

Modern style, perfect fit.

Emergency crews often need to work for many hours under the most exacting of conditions. Whether in wet or cold, or facing extreme heat - a protective suit must guarantee maximum safety while at the same time offering the best possible wearing comfort.

This explains why the FIRE MAX 3 places so much emphasis on a perfect fit, a sporty style, and a comfortable wearing experience. In addition to this, experience in terms of the fit and practical features from the field of functional sports clothing were incorporated into the FIRE MAX 3 protective suit’s design.
High-end materials.

Improved material structure with PTFE membrane.

The FIRE MAX 3 has a totally new material structure. For the first time, it uses innovative PTFE membranes for maximum breathability accompanied with the best of class heat resistance. Thanks to the new structure, in combination with the PTFE membrane, sweat is quickly transported off the body to the outside, thus avoiding excessive heat build-up to a great extent.

In the RET test (Resistance to Evaporating Heat Transfer) the new material structure achieves a low value of just 15 m² Pa/W. The mandatory standard value in the highest class requires a water vapor permeation resistance value of ≤ 30 m² Pa/W.

Uncompromising safety.

Despite excellent breathability, the FIRE MAX 3 is still equipped with a safety thermal lining in order to ensure safety in extreme situations.

Genuinely light – just 3.1 kg.

The weight of a protective suit plays an important role when it comes to a comfortable wearing experience. The FIRE MAX 3 weighs in at just 3.1 kg (for sizes 48-50).

Fabric structure

Outer fabric
- NOMEX® Tough, NOMEX® NXT
  - Weight: approx. 195 g/m²
  - Colors: dark blue, gold or red (NXT)
- PBI Matrix and X55 with PBI
  - Weight: approx. 205 g/m²
  - Color: golden yellow

Moisture barrier (liner)
- PTFE membrane on Basofil non-woven carrier
  - Weight: approx. 105 g/m²

Safety thermal lining
- Basofil non-woven material with quilted cover layer made of mixed aramid/viscose fabric.
  - Weight: approx. 180 g/m²
Its advantages: tensile strength and flame resistance.

The new X55 material with PBI offers extremely good mechanical properties. When it comes to tensile strength, it achieves eight times the performance required by the EN 469 standard (> 3,600 N). In terms of tear propagation resistance, the suit even exceeds the minimum requirements many times over (up to 600 N as per ISO 4674-1 procedure B).

X55 with PBI: two colours in one suit.
With its special design, this protective suit gets everyone’s attention. Two colours – gold-yellow and dark brown – provide a purposeful contrast and lend the suit a particularly attractive look and feel. The shoulder areas and sleeves, the pants cuff, as well as details on the jacket and pants pockets are executed in striking dark brown. The FIRE MAX 3 made from X55 with PBI not only provides firefighters with the best protection, but also maintains its excellent features even after many washes.
The new high-performance materials.

**X55 with PBI and NOMEX® NXT.**

The outer fabrics NOMEX® NXT and X55 with PBI supplement the existing variants of the FIRE MAX 3 protective suit. The benefit of the X55 outer fabric is the use of a PBI high-performance fabric with excellent tensile strength, even better flame resistance and a distinctive look. The NOMEX® NXT material impresses with its excellent washing resistance and, thanks to long-term impregnation, through its particularly long service life.

The X55 material always retains its shape, even after many washes.

**NOMEX® NXT.**

The FIRE MAX 3 protective suit made of NOMEX® NXT is a visual and technical improvement of the proven NOMEX® Tough quality. This firefighting clothing not only scores with its colour selection, but above all also through its excellent washing resistance. Even after several washes, this protective clothing retains its colour and shape. The long-term impregnation (up to 40 washes without re-impregnation) and the higher tear strength of the NXT material, compared to the conventional NOMEX® Tough quality, also ensures a particularly long service life. The FIRE MAX 3 from NOMEX® NXT is available in three colours: red, gold and black-blue.
FIRE MAX 3 IRS

Protective jacket with integrated rescue system.

This special version of the FIRE MAX 3 jacket allows the wearer to secure victims - or in extreme cases - to facilitate his own rescue. The jacket is equipped with an internal tunnel, through which the Rosenbauer IRS belt can be inserted.

Reflective striping with added value.

Extensive reflective striping is another highlight of the IRS jacket. The quality and quantity of the reflective stripes follow the specifications of the German standard HuPF (production and testing description for universal protective fireproof clothing). Thus, the jacket complies with Annex B of EN 469 in all sizes. As a result, it is not necessary to wear a warning vest in some countries (warning vest exemption), as stipulated by statutory requirements.

Applications for the integrated rescue system

As restraint system

The restrain system serves to prevent free falls. Firefighters must be able to secure themselves in place in order to avert the risk of falling. Falling is ruled out by preventing the firefighter from even coming close to edges that represent a falling risk. Applications, for example, include work on embankments, flat roofs, etc.

As positioning system

By leaning into the system, a working position can be maintained which prevents free-fall. In other words, leaning into a tensioned system without the risk of falling. Applications include working on ladders, for example.

As rescue system

The rescue system prevents the free fall of the rescuer and the person to be rescued during operations. This includes self-rescue as well as the rescue of victims.
The Rosenbauer IRS belt

A belt is available as an optional accessory for the FIRE MAX 3 IRS jacket. It is certified as per EN 1498 Cl. A and EN 358. It consists of an 85 mm wide aramid belt with a triple-lock HMS aluminum carabiner according to EN 362.

Details and options

The FIRE MAX 3 IRS jacket is additionally equipped with a robust quick-release zipper. Two Velcro pieces on the back allow for a sign (38 x 8 cm) to be attached. The jacket is available in four different variations: NOMEX® Tough dark blue or gold, PBI Matrix and PBI NEO.
Numerous features.


1. Flame-protection collar
2. Shoulder area with extra heat protection
3. Ergonomically shaped elbows with reinforcement
4. Individual width adjustment at sleeves
5. Moisture blocker at jacket and sleeve seams
6. Holding loop for manual microphone
7. Radio pockets on both sides
8. Inspection opening
9. Lamp holder on front cover
10. Side pockets with glove holding ring
11. Fleece strip for attaching a name strip
12. Fleece strip for attaching a rank strip
13. Silver-colored reflective piping
14. 5 cm wide, circumferential reflecting stripes
15. Drainage openings for water flow
16. Two applied inside pockets
17. Highly resistant zipper
Functional accessories.

9. Removable suspenders thanks to Velcro fasteners
10. Fly with zipper and Velcro fastener
11. Reinforcements on pant cuffs and inside of pants
12. Moisture barrier
13. Inspection opening
14. Elastic waistband for adjusting waist
15. Fleece strip for attaching a name strip
16. Ergonomically shaped knees with reinforcements and knee pads
17. 5 cm wide reflecting stripes

Two angled side pockets
Side pockets with glove holding ring
Trousers features

- Practical and comfortable

The practical features leave nothing to be desired: numerous pockets, holders for lamps and shoulder patches, reinforced at the knees and elbows, removable suspenders, zipper openers for checking the membranes, and other useful features round off this protective suit.
FIRE MAX 3 was developed to meet fire departments' needs in the best possible way. The suit is equipped with numerous features and functional accessories to give firefighters maximum benefits in terms of safety, comfort, and practical handling.

**Jacket features**

1. **Flame protection collar** can be pulled up under the helmet, closure with Velcro fastener at the front.
2. **Heat protectors** for even more safety in the breathing apparatus belt area.
4. **Sleeve width** can be adjusted individually due to Velcro, sleeves with innovative NOMEX knitted wristlet and thumb hole.
5. **No moisture penetration** thanks to moisture blocker made of PU-coated Aramid fabric.
6. **Holding loop** for manual microphone on left.
7. **Radio pockets** on both sides.
8. **Inspection opening** to check status of membranes.
**FIRE MAX 3**
Next generation of protection and wearing comfort.

### FIRE MAX 3 protective suit NOMEX®
Available sizes: 40-42 to 60-64 each in three lengths: B (164-172), C (172-180), and D (180-188)

<table>
<thead>
<tr>
<th>Outer fabric color</th>
<th>NOMEX® Tough dark blue</th>
<th>NOMEX® Tough gold</th>
<th>NOMEX® NXT black-blue</th>
<th>NOMEX® NXT gold</th>
<th>NOMEX® NXT red</th>
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<tbody>
<tr>
<td>Jacket</td>
<td>141200</td>
<td>141202</td>
<td>-</td>
<td>-</td>
<td>141262</td>
</tr>
<tr>
<td>IRS jacket (without belt)</td>
<td>-</td>
<td>-</td>
<td>141266</td>
<td>141267</td>
<td>141268</td>
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<tr>
<td>Trousers</td>
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<td>141203</td>
<td>141263</td>
<td>141264</td>
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### FIRE MAX 3 protective suit PBI
Available sizes: 40-42 to 60-64 each in three lengths: B (164-172), C (172-180), and D (180-188)

<table>
<thead>
<tr>
<th>Outer fabric color</th>
<th>PBI Matrix golden yellow</th>
<th>X55 mit PBI golden yellow/dark brown</th>
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<tbody>
<tr>
<td>Jacket</td>
<td>141204</td>
<td>141240</td>
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<tr>
<td>IRS jacket (without belt)</td>
<td>141252</td>
<td>141242</td>
</tr>
<tr>
<td>Trousers</td>
<td>141205</td>
<td>141241</td>
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### Accessories for FIRE MAX 3 and IRS jacket

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>1405966</td>
<td>Name tag embroidered on Velcro, 15 x 3 cm. Indicate color of tag and embroidery!</td>
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<tr>
<td>140949</td>
<td>Rear lettering in capital letters, lettering height 4 cm, 2 lines: 1st line FIRE DEPARTMENT, 2nd line MUNICIPALITY, indicate lettering color when ordering! Rear lettering applied directly to back (standard jacket only)</td>
</tr>
<tr>
<td>14059922</td>
<td>Velcro part on rear of jacket 45 x 10 cm (standard jacket only)</td>
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<tr>
<td>140948</td>
<td>Rear lettering attached with Velcro (standard jacket and IRS jacket)</td>
</tr>
<tr>
<td>141062</td>
<td>Detachable rear lettering on Velcro, size 38 x 8 cm (for IRS jacket)</td>
</tr>
<tr>
<td>141253</td>
<td>Safety belt and rescue strap for FIRE MAX 3 IRS jacket Available in sizes 40-42 to 66-70 (same as jacket size)</td>
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