Every day and in all seasons, the global system of roads and motorways pulses with traffic like the circulatory system of a giant living organism. Passengers and cargo travel hundreds of kilometres and are expected to reach their destinations safely and on time. To make this happen, thousands of operators must tirelessly and meticulously maintain the road network without a moment’s rest.

Winter is the time when their skills and preparation are truly put to the test. When snow covers the roads, having the right equipment and responding quickly saves lives and prevents traffic stoppages that can otherwise inflict crippling economic losses.

Norskal blades play a small but critical role in this battle against the elements. They are the first line of defence which winter service operators can rely on when it matters the most. As a drastic improvement over traditional snowplough blades they are more durable and cost-efficient, making the job of keeping roads clear of snow significantly easier.

This is what Norskal is all about: Defying the elements.
THE RIGHT BLADE FOR EACH SURFACE

The Norskal product range presents ideal solutions for each specific area of application. Developed based on recommendations from material experts and professionals with years of on-the-ground, each Norskal blade has undergone a meticulous testing and optimization process. Finally, the blades will fit any snowplough because the length of segments and positions of mounting holes are fully customisable to customer specifications.

COMPOSITE BLADES

The type of location where snow clearing takes place greatly influences the choice of optimal blade type. The SRC 25, 36 and 50 blades are the established norm for open roads, providing great durability and low fuel consumption.

DUPLEX is two times more durable than standard SRC blades and when one side is worn, the blade turns and resumes with work. Highly abrasive road surfaces require an extremely tough blade.

The WOLF blade, with its carbide-tungsten core, excels in these situations. In urban areas, an emphasis on quiet operation is a primary concern.

RUBBER BLADES

The RC blade, consisting of exceptionally resistant but flexible rubber with corundum inlays, presents itself as the optimal choice. It is equally useful at airports and parking lots where many sensitive objects such as signal lights and markings are embedded in the surface. The primary function of the soft but durable RC blade on such surfaces is to avoid causing damage while thoroughly removing snow, often in the form of slush.

The RS blade is a combination of wear-resistant rubber with steel metal sheet. It is perfect for local roads because of lower noise production when compared with classical steel blades. Steel sheet is providing necessary stability for rubber.

The RTX blade is perfect for cleaning city and urban area, parking lots, cycle paths, and tiled surfaces. It is very quiet, very durable when it comes to rubber blades because it is made with rubber layers reinforced with cord net. This rubber blade is very resistant to tearing and rubbing.

SLIDING PADS

SRC sliding pads, are ideal in combination with SRC blades to keep snow plough in the right direction with the road.

www.norskal.com
COMPOSITE BLADES
High performance blades designed for long term use, made of high quality materials.

WOLF

RUBBER BLADES
For a fast, quiet, and effective snow removal, our rubber cutting edges are your solution.

SLIDE PADS
Slide pads are recommended to achieve equal wearing of both elements in operation.
**AREAS OF APPLICATION**

**MOTORWAYS, NATIONAL & REGIONAL ROADS**

Open, high priority roads often maintained by wide snowplough configurations at high speeds.

**LOCAL ROADS**

Lower priority roads, sometimes following curvy and uneven terrain.

**URBAN AREAS**

Tight roads with many obstacles such as speed bumps, raised sewage ducts and potholes.

**AIRPORTS**

Runways, taxiways, aprons and access roads.

**PARKING LOTS**

Tight spaces with lots of potential points of contact between the snowplough and obstacles.
Whether working at high speeds on a motorway or carefully manoeuvring city streets and parking lots, clearing light and dry or wet and heavy snow, using a single-segmented or multi-segmented snowplough, there’s an optimal Norskal blade for each scenario.

The right choice can have a marked impact both on clearing results as well as operating costs. For example, the SRC 50 blade is up to 4 times more durable than a conventional steel blade working on a comparable surface type. The incredibly resilient WOLF blade has up to 13 times longer service life, creating thousands of Euros in savings compared to conventional blade costs.
No amount of snow is too much for Norskal blades to handle.
When it comes to combined blades, the whole is indeed greater than the sum of its individual parts. The materials used in Norskal blades complement each other in ways that make them outshine conventional blades both in endurance and performance.

COMPOSITE BLADES
The SRC 25, 36 and 50 blades are built as a combination of three materials. The outer shell is made of a tough, wear-resistant steel. Inside, a rubber layer surrounds a row of corundum inlays while providing flexibility. The corundum inlays give the blade superb resistance to abrasion and up to 4 times greater durability compared to conventional steel blades.

SRC DUPLEX is an ideal choice when it comes to plowing areas with no end. Since the corundum is composed in two rows, Duplex is two times more durable that standard SRC blades and when one side is worn, the blade turns and resumes with work.

The WOLF blade features steel inlays with tungsten-carbide tips embedded in the rubber layer. Its durability is unmatched by any other blade in existence – the effective lifespan is 13 times greater than that of a conventional steel blade.

RUBBER BLADES
The RC blade is a combination of wear-resistant rubber with corundum inlays. The elasticity of rubber is well suited for surfaces with many obstacles and generally produces less noise, which makes it the preferred choice for clearing snow inside urban areas. The corundum cores extend the longevity of the rubber layer by minimizing friction with the surface.

The RS blade is a combination of wear-resistant rubber with steel metal sheet. The elasticity of rubber is well suited for surfaces with many obstacles and generally produces less noise, which makes it the preferred choice for clearing snow inside urban areas. The steel plate extend the longevity of the rubber layer by minimizing friction with the surface.

The RTX blade is a combination of wear-resistant rubber with cord net. The elasticity of rubber is well suited for surfaces with many obstacles and generally produces less noise, which makes it the preferred choice for clearing snow inside urban areas.

SLIDING PADS
SRC sliding pads have corundum segments integrated into a rubber layer surrounding with hardox steel.
• Steel - rubber - corundum
• Long lifespan
• Minimum fuel costs

• Steel - rubber - corundum
• Corundum composed in double row
• Very long lifespan
• Decreased fuel costs

• Steel - rubber - corundum
• Long lifespan
• Minimum fuel costs

• All types of snow ploughs
• Prevents damage to the surface
• Very quiet operation

• All types of snowploughs
• Prevents damage to the surface
• Very quiet operation

• 30% more life expectancy from standard cast iron shoe
• All types of snowplows with shoe support
Greater wear resistance, quieter and more efficient at snow removal – the benefits of Norskal blades are clear. Compared with the cost and lifespan of conventional blades, they become even more attractive. Not only will overall costs on blades during the winter season be reduced, but less frequent need for exchanging blades also means the winter service vehicle can be deployed longer in the field with less downtime and fewer labour costs. Every minute counts when heavy snowfall hits, and the right blades make all the difference.
<table>
<thead>
<tr>
<th>SRC 25</th>
<th>400 €</th>
<th>x 2.5</th>
<th>SAVINGS PER SET</th>
<th>DURABILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRC 36</td>
<td>600 €</td>
<td>x 3</td>
<td>SAVINGS PER SET</td>
<td>DURABILITY</td>
</tr>
<tr>
<td>SRC 50</td>
<td>1.000 €</td>
<td>x 4</td>
<td>SAVINGS PER SET</td>
<td>DURABILITY</td>
</tr>
<tr>
<td>WOLF</td>
<td>4.200 €</td>
<td>x 13</td>
<td>SAVINGS PER SET</td>
<td>DURABILITY</td>
</tr>
</tbody>
</table>

Values are based on average reported data. For informative purposes only.
When the snowfall gets really intense, knowing that your plough’s blades will endure is truly comforting.

Using Norskal blades eliminates one unknown factor from the equation.
Norwegian operators prefer diagonal geometry snowploughs which allow snow clearing at high speeds. Durable blades are essential for periods of extended activity.
Extreme durability on demanding and abrasive surfaces.
The type of location where snow clearing takes place greatly influences the choice of optimal blade type.

The SRC 25, 36 and 50 blades are the established norm for open roads, providing great durability and low fuel consumption. Highly abrasive road surfaces require an extremely tough blade.

Whether working at high speeds on a motorway or carefully manoeuvring city streets and parking lots, clearing light and dry or wet and heavy snow, using a single-segmented or multi-segmented snow plough, there’s an optimal Norskal blade for each scenario.

**MATERIALS**

Combination of steel, rubber and corundum

**PROPERTIES**

Recommended for medium-weight (SRC 25, 36) and heavy (SRC 50) snow ploughs

All types of snow

All types of roads except tiled surfaces

**ADVANTAGES**

Steel - rubber - corundum

Long lifespan

Minimum fuel costs
With its construction it is made as combination of high quality rubber, special complex corundum composed in two rows and hardox steel as a finishing transformation. DUPLEX is an ideal choice when it comes to plowing areas with no end.

Since the corundum is composed in two rows, DUPLEX is two times more durable than standard SRC blades and when one side is worn, the blade turns and resumes with work.

**MATERIALS**
Combination of steel, rubber and corundum

**PROPERTIES**
- Corundum composed in double row
- Very long lifespan
- Decreased fuel costs

**ADVANTAGES**
- Good snow clearing results
- Long lifespan
- Minimal fuel costs
It’s a completely new level of durability – the WOLF blade is designed for use in the most demanding conditions for an extremely long time. Inside the steel and rubber layers lies its secret weapon: embedded steel inlays with tungsten-carbide tips, a material resilient that it allows the blade to endure even the toughest surfaces and remove snow effortlessly. It is the most durable snow plough blade in existence.

The WOLF blade features steel inlays with tungsten-carbide tips embedded in the rubber layer. Its durability is unmatched by any other blade in existence – the effective lifespan is 13 times greater than that of a conventional steel blade.

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**MATERIALS**
Combination of steel, rubber and steel inlays with tungsten carbide tips

**PROPERTIES**
- All types of snowploughs
- All types of roads
- Heavy working conditions

**ADVANTAGES**
- Excellent snow clearing results
- Withstands road debris, ruts and holes
- Extremely long lifespan

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The RC blade, consisting of exceptionally resistant but flexible rubber with corundum inlays, presents itself as the optimal choice. It is equally useful at airports and parking lots where many sensitive objects such as signal lights and markings are embedded in the surface. The primary function of the soft but durable RC blade on such surfaces is to avoid causing damage while thoroughly removing snow, often in the form of slush.

**MATERIALS**
Combination of rubber with embedded corundum disks

**PROPERTIES**
- All types of roads
- Prevents damage to the surface
- Very quiet operation

**ADVANTAGES**
- Good snow clearing results
- Excellent for slush
- Long lifespan
It is perfect for local roads because of lower noise production when compared with classical steel blades. They are very simple to install and still providing durability and less damage to the roads. Steel sheet is providing necessary stability for rubber.

The RS blade is a combination of wear-resistant rubber with steel metal sheet. The elasticity of rubber is well suited for surfaces with many obstacles and generally produces less noise, which makes it the preferred choice for clearing snow inside urban areas. The steel plate extend the longevity of the rubber layer by minimizing friction with the surface.

**MATERIALS**
Combination of rubber and steel metal sheet

**PROPERTIES**
All types of snow ploughs
Prevents damage to the surface
Very quiet operation

**ADVANTAGES**
Good snow clearing results
Excellent for slush
Long lifespan

www.norskal.com
RTX blade is perfect for cleaning city and urban area, parking lots, cycle paths, and tiled surfaces. It is very quiet, very durable when it comes to rubber blades because it is made with rubber layers reinforced with cord net. This rubber blade is very resistant to tearing and rubbing.

The RTX blade is perfect for use in city streets, cycle paths, parking lots and other sensitive surfaces with lots of obstacles and visual markings. The combination of rubber and cord net provides the necessary flexibility to avoid damage to surfaces but also allows very quiet operation which is a prerequisite for snow clearing inside urban locations.

**MATERIALS**
- Rubber layers reinforced with cord net

**PROPERTIES**
- All types of snowploughs
- Prevents damage to the surface
- Very quiet operation

**ADVANTAGES**
- Good snow clearing results
- Excellent for slush
- Long lifespan
SRC sliding pads, are ideal in combination with SRC Blades to keep snow plough in the right direction with the road. These gliding shoes have corundum segments integrated into a rubber layer surrounding with cast iron. With this technique you get a great wear resistance and durability. Intended for all snowplows with pad support.

**MATERIALS**

Combination of cast iron, rubber and corundum

**ADVANTAGES**

30% more life expectancy from standard cast iron shoe

All types of snowplows with shoe support
Improved fuel economy thanks to less friction between the blades and surface.
Wherever you need them, Norskal blades will arrive. Our distribution network spans the European continent and can supply you with the right blades at the right time. We understand the importance of minimising downtime in critical winter maintenance periods. This is why we are always ready to provide customers with the blades they need to get their winter service vehicles back into the action.
There is just no reason to go back to conventional steel blades after trying Norskal. The snow clearing results are excellent and from a cost-savings standpoint it is a huge improvement.
Combined blades are increasingly becoming the norm, with Germany and Scandinavian countries leading the way in adopting the technology.
Less noise generated for discrete operation within urban areas.
GUMIX ELASTOR: MANUFACTURER OF NORSKAL BLADES

Precision and quality achieved by making use of state of the art technology – this is the core strength of Gumix Elastor. As a company it is a relative newcomer to the market, but its’ expert team has a deep understanding of technologies employed in winter road maintenance as well as the wide scope of customer’s specific needs. A desire for constant improvement and discovery is Gumix Elastor’s key driving force.
Only materials that have been verified to meet the high technical requirements may enter the production process. Their transformation into the final product takes place under strictly controlled conditions in modern and fully equipped production facilities. Reliable delivery of a consistently excellent product to the end customer is guaranteed at all times.
They are blades made to measure for any snowplough. They clear slush as well as dry, powdery snow. They last longer than conventional blades and reduce total blade costs. Reduced friction on contact with the surface means that snowploughs working with Norskal blades are quieter and cause less fuel consumption. Less wearing of blades also means less debris left on the road and less pollution of the environment. Simply put, Norskal combined blades are the right choice for professionals looking to increase the efficiency of their snow clearing operations.