

B L A C K L I N E

**JUST POWER
SIMPLY SAFE**



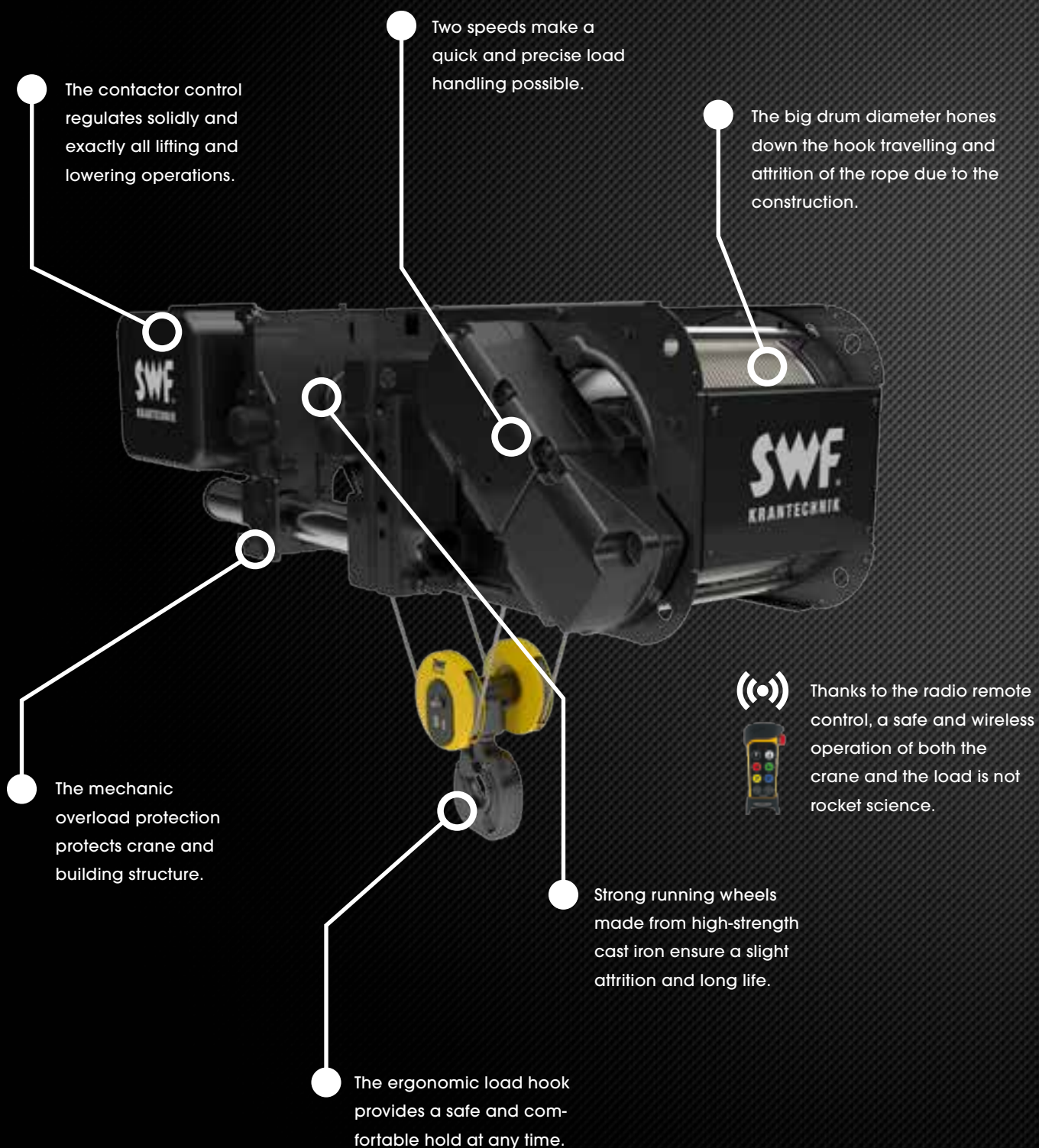
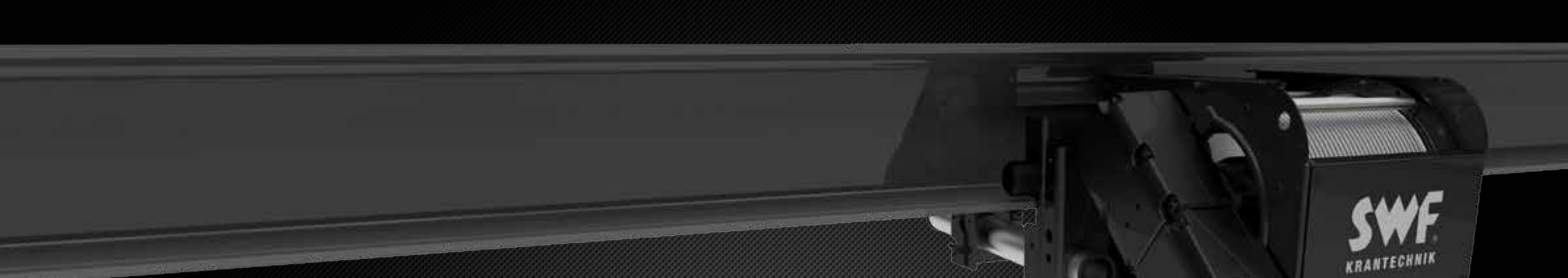
BLACKLINE

Sometimes performance only comes up if you are focused on the basics.

This is exactly the idea which is behind the **BLACKLINE** by SWF Krantechnik.

A vast number of established and top-rated components arisen from the own engineering design with outstanding technologies are assigned for power and a long life. All components and products made from this meet the European safety standards. Furthermore, you can trust the experience and know-how of a worldwide operating company in a German tradition.

The **BLACKLINE** by SWF Krantechnik sets its priorities on a high quality and attractive cost effectiveness. Reliable power and an elaborate technology make the **BLACKLINE** unique for all who want to avoid bigger investments in a high-quality crane.



NOVA BLACKLINE

The **NOVA BLACKLINE** is constructed for the economic lifting of charges. It is safe, reliable and based on a proven technological design. It combines a strong hoist with an attractive price.

High quality, long life and performance are the **NOVA BLACKLINE**'s genetic basis. It covers a wide spectrum of load handling with an ultimate load of 20 tons. The **NOVA BLACKLINE** is an uncompromising and robust powerhouse, reduced to the essentials.

NOVA BLACKLINE - JUST POWER, SIMPLY SAFE

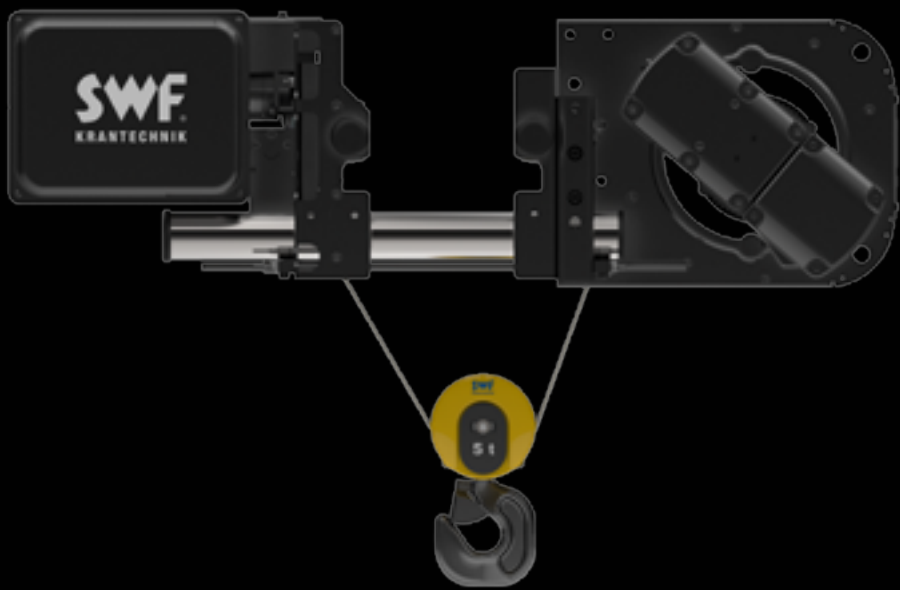


NOVA BLACKLINE

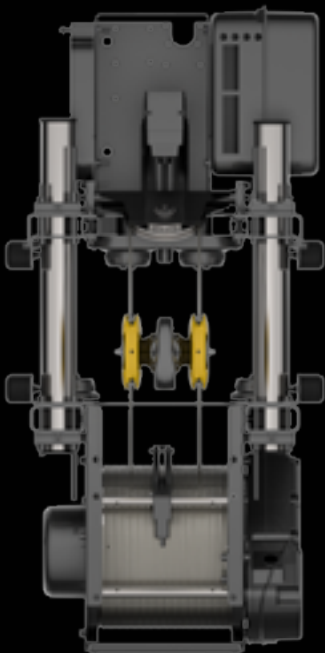
Single girder trolley up to 12.5t

The **NOVA BLACKLINE** meets the high demands of a SWF hoist in safety, quality and reliability. The crane construction based on the essentials provides a robust and hardwearing technology for an attractive price.

The **NOVA BLACKLINE** offers an easy handling in installation and maintenance. Its fine electric wire rope hoist also meets the high European safety standards.



- ✓ **Ultimate load from 2 to 12.5 tons and a lifting height up to 12 meters**
- ✓ **Optimal space and land utilization due to compact headroom and optimum hook dimension**
- ✓ **Minimized attrition of rope by a big drum diameter**
- ✓ **Robust contactor control for hoist motor and trolley motor**
- ✓ **Mechanical overload protection protects crane and building structure**
- ✓ **Plug & play - quick and easy installation and maintenance**
- ✓ **Overheat protection at hoist motor prevents his damage**



Typ	Load (kg)	FEM	ISO	Lifting height (m)	Lifting speed (m/min)	Trolley speed (m/min)
NOVA BB 04	2,000	2m	M5	6	5/0.8	20/5
				9.5		
NOVA BB 04	2,500	3m	M6	6	5/0.8	20/5
				9.5		
NOVA BB 04	3,200	2m	M5	6	5/0.8	20/5
				9.5		
NOVA BC 04	4,000	3m	M6	6	5/0.8	20/5
				9		
NOVA BC 04	5,000	2m	M5	6	5/0.8	20/5
				9		
NOVA BC 04	6,300	1Am	M4	6	4/0.7	20/5
				9		
NOVA BD 04	8,000	3m	M6	9	5/0.8	20/5
				12		
NOVA BD 04	10,000	2m	M5	9	5/0.8	20/5
				12		
NOVA BD 04	12,500	1Am	M4	9	4/0.7	20/5
				12		

NOVA BLACKLINE

Double girder trolley up to 20t

The **NOVA BLACKLINE** combines safety, quality and reliability. Moreover, not only is the price highly competitive, but with up to 20 tons of load, the double girder trolley is also created for a wide range of standard requirements.



Reduced to its essential elements, the **NOVA BLACKLINE** double girder trolley is also based on proven designs and fulfils European safety standards.

- ✓ **Ultimate load from 2 to 20 tons and a lifting height up to 13 meters**
- ✓ **Fixed trolley rail gauges from 1,200 mm up to 2,400 mm**
- ✓ **Double girder trolley with connection type M (medium)**
- ✓ **Rope reeving 04, 06 and 08**
- ✓ **Mechanical overload protection protects crane and building structure**
- ✓ **Crane control with comfortable radio remote control or control pendant tethered at the trolley**
- ✓ **2-step contactor control for hoist and trolley motor**



Typ	Rail gauge (mm)	Load (kg)	FEM	ISO	Lifting height (m)	Lifting speed (m/min)	Trolley speed (m/min)
NOVA BB 04	1,200	2,000	2m	M5	6	5/0.8	20/5
					9.5		
NOVA BB 04	1,200	2,500	3m	M6	6	5/0.8	20/5
					9.5		
NOVA BB 04	1,200	3,200	2m	M5	6	5/0.8	20/5
					9.5		
NOVA BC 04	1,200	4,000	3m	M6	6	5/0.8	20/5
					9		
NOVA BC 04	1,200	5,000	2m	M5	6	5/0.8	20/5
					9		
NOVA BC 04	1,200	6,300	1Am	M4	6	4/0.7	20/5
					9		
NOVA BD 04	1,400	8,000	3m	M6	9	5/0.8	20/5
					12		
NOVA BD 04	1,400	10,000	2m	M5	9	5/0.8	20/5
					12		
NOVA BD 06	2,000	12,000	3m	M6	10	3.2/0.5	24/6
	2,400				13		
NOVA BD 04	1,400	12,500	1Am	M4	9	4/0.7	20/5
					12		
NOVA BD 06	2,000	15,000	2m	M5	10	3.2/0.5	24/6
	2,400				13		
NOVA BD 08	2,000	16,000	2m	M5	8	2.5/0.4	24/6
	2,400				10		
NOVA BD 08	2,000	20,000	1Am	M4	8	2.5/0.4	24/6
	2,400				10		

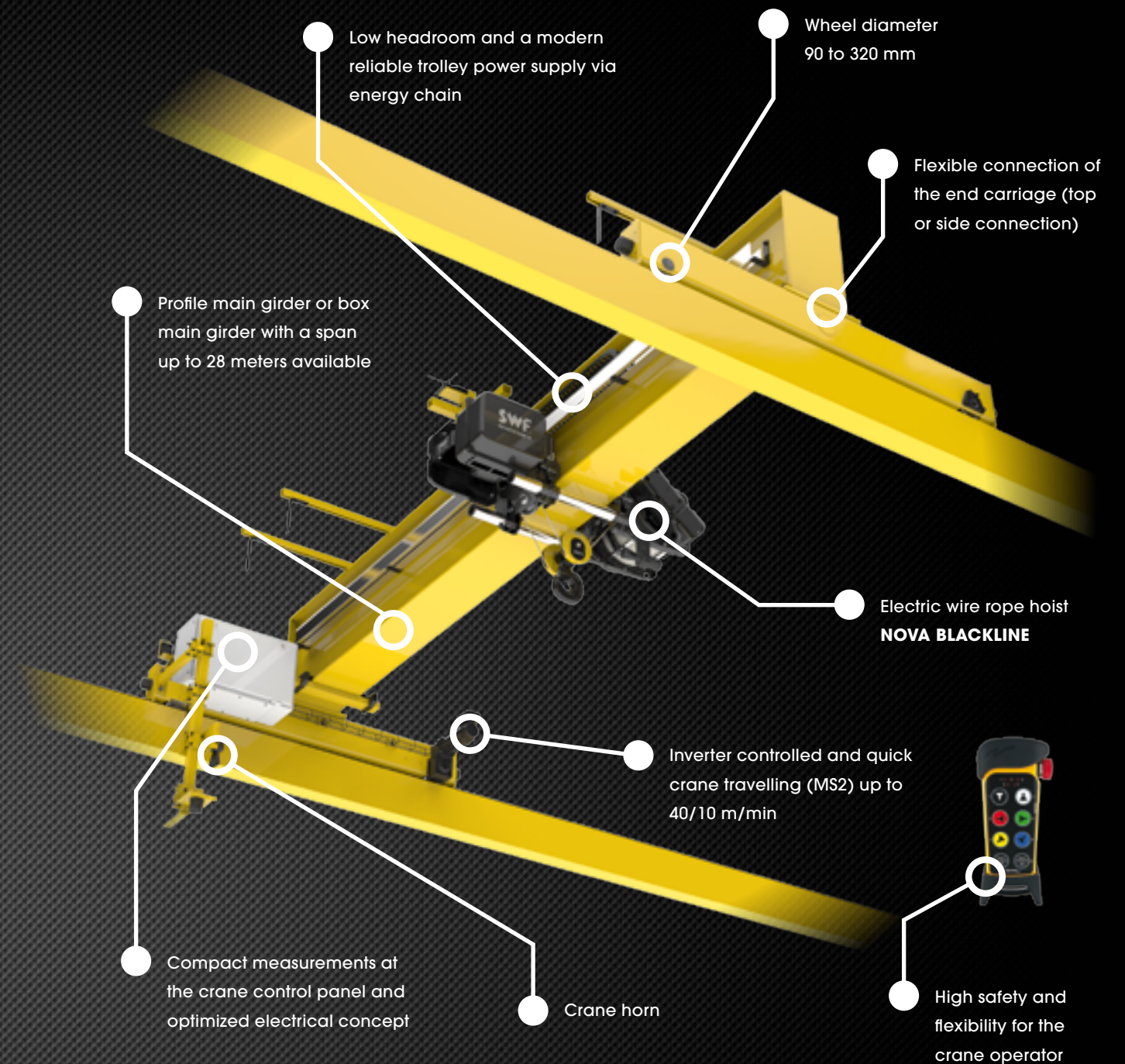
CraneKit BLACKLINE

Single girder overhead bridge crane up to 12.5t

Our **CraneKit BLACKLINE** and **NOVA BLACKLINE** combine power with maximum economic efficiency. Many approved and well-matched components engage each other perfectly and offer in this way: safety, reliability and cost-optimised solutions for numerous standard applications.

Even the crane operator gets the best protection and accommodation due to the serial radio remote control. All in all our **BLACKLINE** is an all-round carefree package for easy tasks of load handling.

- ✓ **Profile main girder or box main girder with adjustable connectivity options at the end carriages**
- ✓ **Optimised electrical concept, prewired**
- ✓ **Reduced work of assembling because of less working steps**
- ✓ **Trolley power supply with energy chain, minimized headroom compared with flat cable**
- ✓ **Radio remote control with two transmitters, receiver with magnets at the control panel**
- ✓ **Up to 12.5 t load, up to 28 m span**
- ✓ **Inverter controlled crane travelling (MS2) 32/8 m/min, 40/10 m/min as an option**



Options

- Hook operated limit switch
- Visual and acoustic alarm in case of overload
- Trolley limit switch, 2-step
- Anti-Collision device for crane bridge
- Crane horn
- Warning light (radio remote control active)
- Radio remote control RadioMaster3
- Rechargeable batteries with battery charger for the radio remote control
- Storage cabinet for transmitter
- Control pendant, tethered at the hoist trolley
- Back-up pendant, tethered at the control panel
- Buffer extensions for crane end carriages
- Anti-jump catches for crane end carriages
- Mechanical time counter

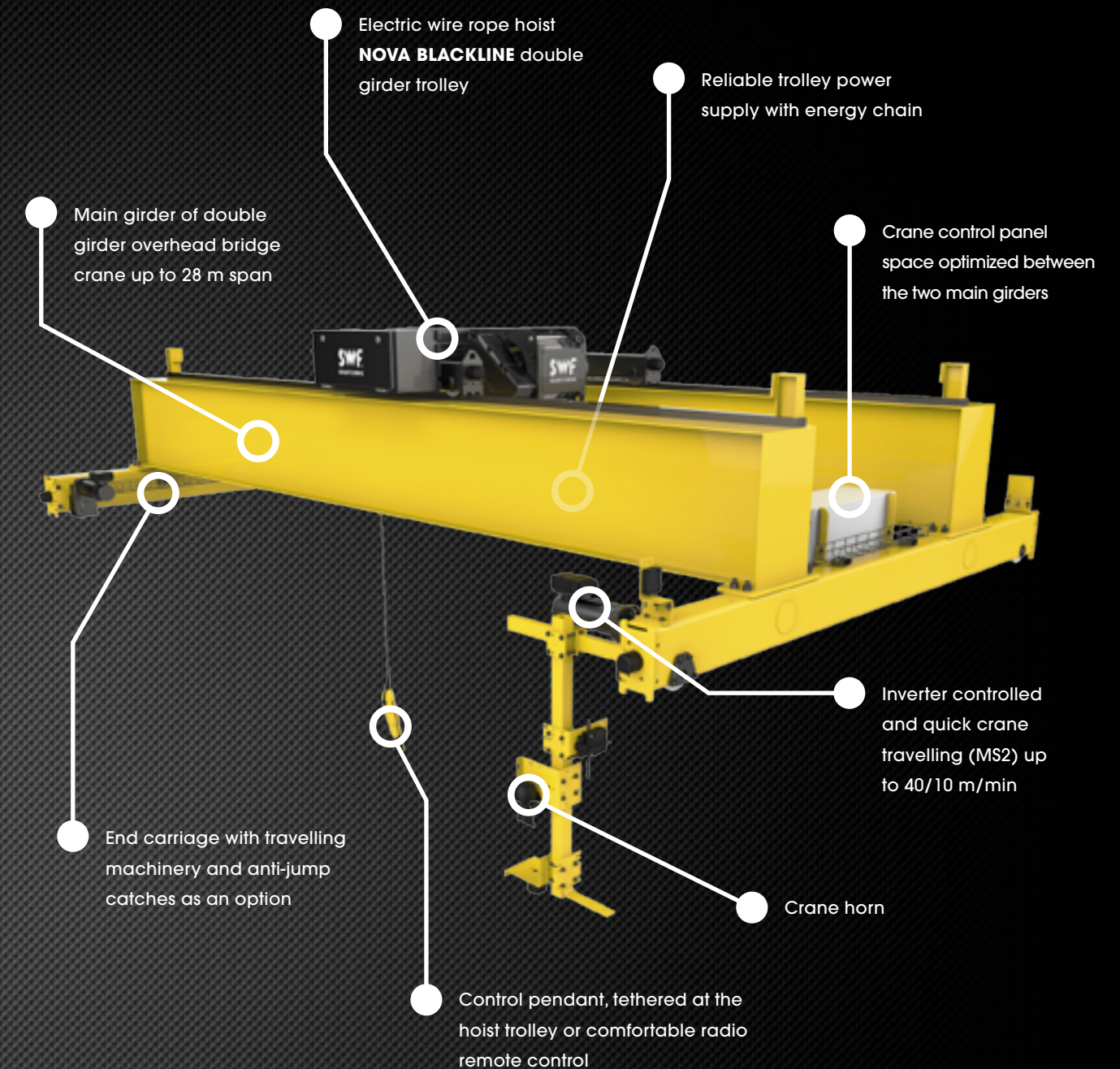
CraneKit BLACKLINE

Double girder overhead bridge crane up to 20 t

The **CraneKit BLACKLINE** for double girder overhead bridge cranes is designed for high loads up to 20 tons. It provides perfectly matched components that go hand in hand and guarantee a dependable interaction.

The **BLACKLINE** is based on proven designs and combines this with modern elements. So the CraneKit for double girder overhead bridge cranes contains for the trolley power supply, for example, an energy chain between the main girders and a comfortable radio remote control.

- ✓ **Trolley power supply with energy chain, fixed on the inner side between the two main girders**
- ✓ **Crane control panel space optimized fixed on the end carriage between the two main girders**
- ✓ **Crane control with comfortable radio remote control or control pendant tethered at the hoist trolley**
- ✓ **For loads up to 20 t, up to 28 m span**
- ✓ **End carriages with two wheels, one driven by electric travelling machinery**
- ✓ **Inverter controlled crane travelling (MS2) 32/8 m/min, 40/10 m/min as an option**
- ✓ **For indoor use from +5°C up to +40° C**



Options

- Hook operated limit switch
- Visual and acoustic alarm in case of overload
- Trolley limit switch, 2-step
- Anti-Collision device for crane bridge
- Crane horn
- Warning light (radio remote control active)
- Radio remote control RadioMaster3
- Rechargeable batteries with battery charger for the radio remote control
- Storage cabinet for transmitter
- Control pendant, tethered at the hoist trolley
- Back-up pendant, tethered at the control panel
- Buffer extensions for crane end carriages
- Anti-jump catches for crane end carriages
- Anti-jump catches for double girder trolley
- Mechanical time counter

CraneKit BLACKLINE

The **BLACKLINE** idea sets its focus on a construction, which is made for daily work perfectly. There weren't made savings in the wrong place here. Power, quality and safety rank first, simply real SWF.



Configuration and assembling



Control panel with receiver



Energy chain



CraneKit

For a number of standard applications at hoisting and displacing loads **BLACKLINE** is the safest, most cost-optimised and reliable solution. The narrow configuration frame makes a quick assembly and a darndest compatibility for all components possible.

The work of assembly is minimized by a reduced number of necessary work steps. Especially the optimized and prewired electrical concept in detail has proved a recipe for an easy and relieved first operation of the **BLACKLINE**.

The proven, electrical components of the **BLACKLINE** are stored in the control panel which is installed sideways at the end carriage. Due to compact measurements the headroom of the crane is not affected by this construction.

Moreover there was realized a simplified electrical concept. The receiver of the radio remote control can be fixed by powerful magnets at the outer control panel. The pluggable connections contribute to a quick first operation and easy maintenance.

The **BLACKLINE** offers a power supply by means of a modern and contemporary energy chain. Therefore a long-life protection and a perfect cable routing is secured. A minimized number of screws and components allow a quick assembly.

Directly compared with the classical trailing cable the robust power supply diminishes the attrition and offers also an ideal protection against mechanic damage. While driving the crane one doesn't have to take into account suspended cable loops.

Our **CraneKit BLACKLINE** with the related electric wire rope hoist **NOVA BLACKLINE** is a product that shows a perfect functional interaction, factory-provided. All components are well-conceived and provide always a safe crane operation.

The high claim of SWF Krantechnik is also reflected by the accuracy of fit and the manufacturing of quality of each component, for example, the end carriage, the motor or other electrical components of the **NOVA** and the **CraneKit BLACKLINE**.

TeleRadio radio remote control

The radio remote control TeleRadio offers the possibility to drive loads from a safe distance. The safety of the crane operator ranks first. You get the **BLACKLINE** with two transmitters, which belong to the standard equipment. Thereby the **BLACKLINE** is perfectly forearmed for a reliable and permanent control of loads.

The European manufactured steering is enabled by a set of standard batteries with a functional duration up to 100 hours. Optionally, you can also get rechargeable batteries and a corresponding battery charger.

The receiver can be fixed at the crane control panel by powerful magnets easily. In addition to that, pluggable electric connections provide a quick and relieved operation.

- ✓ **Driving loads from a distance raises the safety of the crane operator**
- ✓ **Serial equipment with two transmitters and a receiver**
- ✓ **With eight 2-step push-buttons and sixteen selectable channels**
- ✓ **Standard batteries (3x 1,5 V AAA / LR03) with a functional duration of up to 100 hours (optional rechargeable batteries)**
- ✓ **Up to 300 meters in free space**
- ✓ **Easy assembly of the receiver at the crane control panel (magnetic)**



