

# ROXMA<sup>®</sup>

made by Röttgers Ketten



MADE IN GERMANY



Anchor chains.



# You can rely on ROXMA anchor chains.

The brand for premium anchor chains.

No matter which material you select – you can rely on **ROXMA**!

Hot dipped galvanized **ROXMA** anchor chains are ideal for use in colder waters. The anchor chains are made out of carefully selected chain steels and bent and welded using the latest machinery. We are thus able to ensure the highest production quality. **ROXMA** chains are then

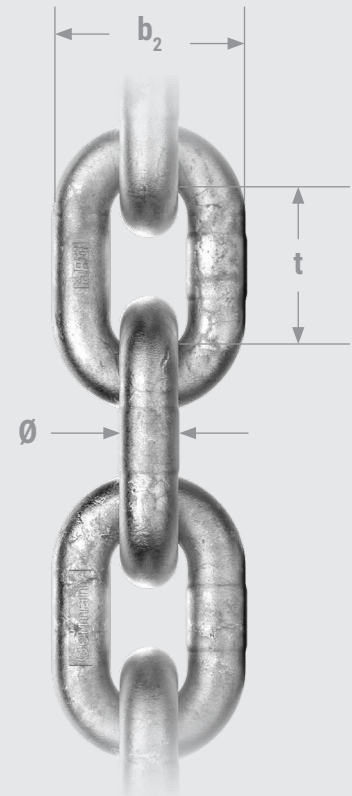
quenched and tempered in a modern and fully automated multipurpose chamber furnace line. This targeted thermal treatment optimizes the mechanical properties of the chains. In the final stage, **ROXMA** anchor chains are given a clean and optimal galvanized coating.

## Hot dipped galvanized

Item no. Grade 70	Ø	t	b <sub>2</sub>	Similar standard	Breaking load Grade 70
RXGD670	6	18.5	20	DIN766	3960 kg
RXGD870	8	24	26	DIN766	7100 kg
RXGD1070	10	28	34	DIN766	11200 kg
RXGD1370	13	36	44	DIN766	19000 kg
RXGD1670	16	45	53	DIN766	28200 kg
RXGI670	6	18	20.9	ISO 4565	3960 kg
RXGI870	8	24	27.8	ISO 4565	7100 kg
RXGI1070	10	30	35	ISO 4565	11200 kg
RXGI1270	12	36	42	ISO 4565	16000 kg

Other dimensions are available on request: Ø3-18mm

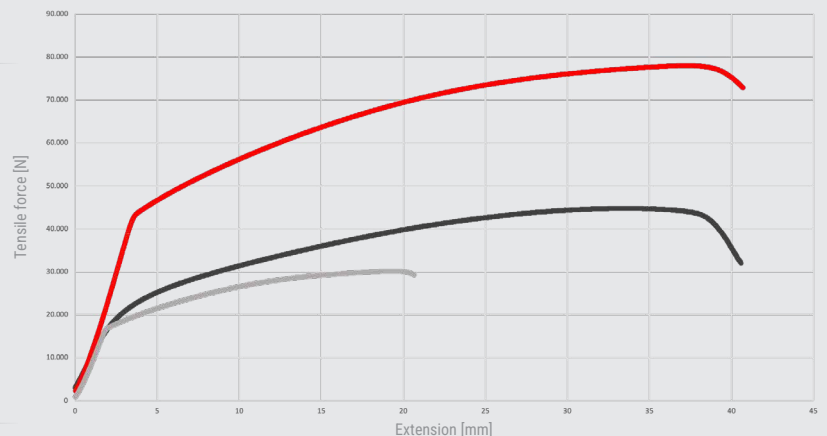
Also available with welded-in, bigger links



## Breaking force test

Anchor chain 8x24mm  
Comparison of the current values in kilonewton

Anchor chain	Proof force	Breaking force
<b>ROXMA Grade 70</b>	<b>45 kN</b>	<b>77.8 kN</b>
<b>ROXMA Grade 40</b>	<b>20.1 kN</b>	<b>44.8 kN</b>
Standard anchor chain	20 kN	30.1 kN



# Stainless steel anchor chains.

ROXMA anchor chains are available in dimensions from Ø3-18mm

## Advantages of the Duplex / AISI 318LN

- ✓ Higher corrosion resistance (ROXMA PREN of at least 35)
- ✓ Low weight. The higher breaking load means that a smaller chain diameter can be used in comparison to standard galvanized chains
- ✓ Suitable for all bodies of water
- ✓ Resistant to seawater up to 35°C

ROXMA stainless steel anchor chains deliver a new level of durability, tensile strength and corrosion resistance and far exceed all commonly accepted standards. Due to the balanced microstructure of the duplex steel, ROXMA anchor chains deliver a strong combination of strength and corrosion resistance.

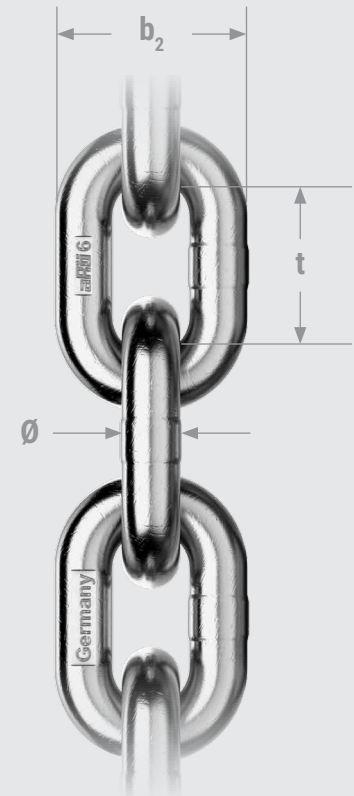
To ensure that they run cleanly in the winch, all ROXMA anchor chains are precisely calibrated to a tenth of a millimeter. To protect them against the rugged environment at sea, the chains receive a very extensive surface treatment process as standard. This guarantees the outstanding durability of ROXMA products.

### Stainless steel

Item no. A4L	Item no. Duplex	Ø	t	b <sub>2</sub>	Similar standard	Breaking load A4L	Breaking load Duplex
RXSD6L	RXSD6LN	6	18.5	20	DIN 766	3000 kg	3850 kg
RXSD8L	RXSD8LN	8	24	26	DIN 766	5300 kg	6700 kg
RXSD10L	RXSD10LN	10	28	34	DIN 766	8500 kg	10800 kg
RXSD13L	RXSD13LN	13	36	44	DIN 766	12500 kg	18000 kg
RXSD14L	RXSD14LN	14	41	50	DIN 766	15400 kg	21000 kg
RXSD16L	RXSD16LN	16	45	53	DIN 766	20000 kg	26000 kg
RXSI6L	RXSI6LN	6	18	20.9	ISO 4565	3000 kg	3850 kg
RXSI8L	RXSI8LN	8	24	27.8	ISO 4565	5300 kg	6700 kg
RXSI10L	RXSI10LN	10	30	35	ISO 4565	8500 kg	10800 kg
RXSI12L	RXSI12LN	12	36	42	ISO 4565	11300 kg	14000 kg
RXSI16L	RXSI16LN	16	48	54	EN 818	20000 kg	26000 kg

Other dimensions are available on request: Ø3-18mm

Also available with welded-in, bigger links



### Technical data

Material	PREN	Corrosion resistance class	Corrosion resistance
A2 AISI 304	17.50	CRC II	Low
A4L AISI 316L	23.10 - 28.35	CRC III	Medium
Standard Duplex AISI 318LN	30.85 - 38.07	CRC IV	High
ROXMA Duplex AISI 318LN	min. 35.00	CRC IV	High

### Pickled and passivated with a glossy finish as standard

Ferritic and non-metallic microparticles can be the starting point for corrosion on untreated stainless steel because they prevent the formation of a smooth passive coating. A pickled and passivated surface with a glossy finish eliminates these sources of error.

All of the residues on the surface are removed during the pickling process. The surface is then passivated with a glossy finish. This controlled process ensures that a seamless passive coating is formed.

**The corrosion resistance is thus significantly higher.**



The certificate confirms that our internal company processes conform to the international standard for quality management



We are a manufacturer of stainless steel/NIRO chains



The H-seal verifies the special quality of the chains



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