

PRODUCT INFORMATION

STEEL ROPE

CASAR®

Selectivity ...

Crane ropes of exceptional quality, a tradition by the specialist CASAR. On this and the following pages we review a selection from the extensive CASAR range – a solution for the most demanding service applications.



CASAR®
SPEZIALDRAHTTEILE



STARLIFT

Hoist rope for tower cranes, mobile cranes, electrical hoists and other applications, where rotation resistant ropes are required.



PARAPLAIN

Hoist rope for electrical hoists and lifting devices with multiple part reeving, whereas a rotation resistant rope is not needed due to great lifting heights, low number of falls or not guided loads. High breaking load.



ULTRAFIT

Boom hoist rope for mobile crane and grabs, hoist rope for container cranes, floating cranes, portal cranes etc. In multiple part reeving for smaller lifting heights, twin hoist systems with left and right hand ropes for greater lifting heights, where rotation resistant ropes are not required. Highest abrasion resistance. Especially suitable for multiple layer spooling.



EUROLIFT

Hoist rope for mobile cranes, electrical hoists and other applications, where rotation resistant ropes are required. Especially suitable for multiple layer spooling.



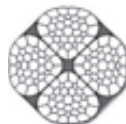
STRATOPLAIN

Hoist rope for container cranes, floating cranes, harbour cranes, portal cranes, steel mill cranes etc. In multiple part reeving for smaller lifting heights, twin hoist systems with left and right hand lay ropes for greater lifting heights. Holding and closing rope for grabs, where rotation resistant ropes are not required.



RAMMBOUFT

Hoist rope for pile drivers, pulling line for electrical power cables.



QUADROLIFT

Rotation-resistant hoist rope for electrical hoists with twin hoist systems and greater lifting height, combined hoist and erection rope for self erecting cranes, where rotation resistant ropes are required.



STRATOLIFT

Pendant rope for tower cranes, mobile cranes, grabs etc.



STARFIT

Hoist rope for deck cranes and offshore cranes and other applications where rotation resistant ropes are required. Especially suitable for multiple layer spooling.



TURBOUFT

Pendant rope for tower cranes, mobile cranes, grabs, suspended structures etc., when high breaking loads are required.



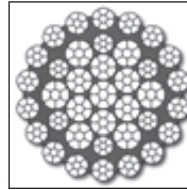
SUPERPLAIN 8

Boom hoist rope for mobile cranes and grabs, hoist rope for container cranes, floating cranes, portal cranes etc. and for various offshore applications. In multiple part reeving for smaller lifting heights, twin hoist systems with left and right hand ropes for greater lifting heights, where rotation resistant ropes are not required.

Special construction non rotating rope
compacted with polymer cushioned centre



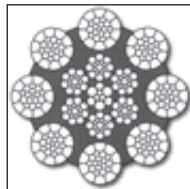
Nominal Rope Diameter	Rope Weight	Minimum Breaking Force at tensile grade			
		1770N/mm ² (180kp/mm ²)		1960N/mm ² (200kp/mm ²)	
mm	~ kg/m	kN	kgf	kN	kgf
22	2,43	399	40700	441	45000
24	2,87	474	48300	524	53500
25	3,15	513	52300	568	57900
26	3,43	555	56600	615	62700
28	3,93	644	65700	713	72700
30	4,53	738	75300	817	83300
32	5,15	843	85700	930	94700
34	5,78	951	97000	1050	107000
36	6,50	1070	109000	1190	121000
38	7,27	1190	121000	1320	135000
40	8,15	1360	139000	1460	149000
42	8,92	1460	149000	1610	164000
44	9,75	1600	163000	1770	181000
46	10,7	1750	179000	1940	198000
48	11,7	1910	195000	2110	214000
50	12,6	2070	211000	2290	234000
52	13,8	2200	224000	2440	249000



An ingenious couple...
Maximum breaking force,
highest rotation resistance, complete
parallel closure, compacted strands,
polymer interior padding, intensive
special lubrication.
Caution:
Turboplast non-rotating-resistant.

Steel Ropes

Special construction round strand rope
compacted with polymer cushioned centre



Nominal Rope Diameter	Rope Weight	Minimum Breaking Force at tensile grade			
		1770N/mm ² (180kp/mm ²)		1960N/mm ² (200kp/mm ²)	
mm	~ kg/m	kN	kgf	kN	kgf
24	2,61	465	47400	514	52400
25	2,82	504	51400	558	56900
26	3,07	549	56000	601	61300
27	3,31	585	59700	648	66100
28	3,53	630	64300	697	71100
29	3,79	679	69300	737	75200
30	4,10	727	74200	789	80500
31	4,37	777	79300	843	86000
32	4,64	828	84500	911	92900
34	5,23	936	95500	1020	104000
36	5,83	1040	106000	1130	115000
38	6,55	1160	118000	1260	129000
40	7,29	1290	132000	1400	143000
42	7,96	1420	145000	1540	157000
44	8,79	1550	158000	1690	172000
46	9,59	1710	174000	1860	190000

Regular...

- Material: Drawn galvanized steel wire
 - Lubrication: Special lubrication inside and outside
 - Type/direction of lay: Ordinary lay sZ
 - Tensile grade: 1960N/mm²
- Other requirements? By arrangement we can supply:
No or special galvanization, different type/direction
of lay, special lubrication. Also for higher tensile grades
(2160 instead of 1960 with 10,7% higher breaking
force).

The rope weight is defined as the approximate calculated length mass kg/m (informative). The rope grade is the acronym for the nominal tensile strength of the wires in N/mm². The permitted deviation of the rope diameter from nominal diameter depends on rope type and rope diameter, is normally lower than comparable standard rope.