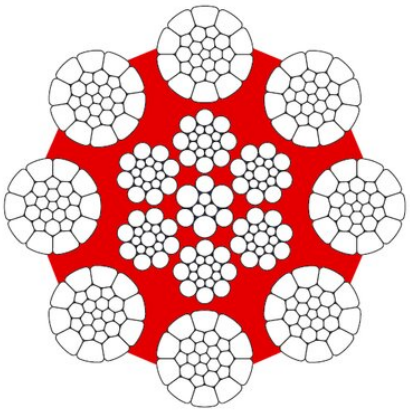
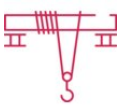
Lifting Solutions Group
Axel Johnson International

Turboplast

Product information



Overhead cranes



Mobile port crane



Offshore crane



Loading crane



Container crane



Crawler crane



Piling crane



Applications: High breaking load and good resistance against crushing. Hoisting rope in multiple part reeving for smaller lifting heights as well as for twin hoist systems with left and right hand lay ropes for greater lifting heights.

Features:
- Very high breaking strength
- Very stabile rope construction with very good fatigue properties
- A plastic layer between inner and outer strands prevents inner wear and protects the core from corrosion.
- Very high resistance against flattening and wear.
- Specially suitable for multilayer spooling.

Standard: EN 12385-4
ISO 4309 Rope Category No: 8-48mm **RCN.09**, 50-72mm **RCN.11**

... *Read more*

Rope construction: 8 strand rope made out of compacted outer strands. Has a plastic layer between the steel core and the outer strands.
Marking: According to standard
Standard: EN 12385-4

Fill factor: 0.66
RCN: 09

© November 2026 - All Rights Reserved

CERTEX | Lifting Solutions Group
Axel Johnson International

Turboplast

Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight kg/100m
103100804070169	8	1,960	Bright	sZ	58	33.4	SupplierStandard	0.29
103100803070169	8	1,960	Bright	zS	58	33.4	SupplierStandard	0.29
103100804270169	8	1,960	Galvanized	sZ	58	33.4	SupplierStandard	0.29
103100803270169	8	1,960	Galvanized	zS	58	33.4	SupplierStandard	0.29
103100904070169	9	1,960	Bright	sZ	74	42.8	SupplierStandard	0.37
103100903070169	9	1,960	Bright	zS	74	42.8	SupplierStandard	0.37
103100904270169	9	1,960	Galvanized	sZ	74	42.8	SupplierStandard	0.37
103100903270169	9	1,960	Galvanized	zS	74	42.8	SupplierStandard	0.37
103101004070169	10	1,960	Bright	sZ	90	53	SupplierStandard	0.46
103101003070169	10	1,960	Bright	zS	90	53	SupplierStandard	0.46
103101004270169	10	1,960	Galvanized	sZ	90	53	SupplierStandard	0.46
103101003270169	10	1,960	Galvanized	zS	90	53	SupplierStandard	0.46
103101104070169	11	1,960	Bright	sZ	109.7	63.8	SupplierStandard	0.56
103101103070169	11	1,960	Bright	zS	109.7	63.8	SupplierStandard	0.56
103101104270169	11	1,960	Galvanized	sZ	109.7	63.8	SupplierStandard	0.56
103101103270169	11	1,960	Galvanized	zS	109.7	63.8	SupplierStandard	0.56
103101204070169	12	1,960	Bright	sZ	130	75.7	SupplierStandard	0.66
103101203070169	12	1,960	Bright	zS	130	75.7	SupplierStandard	0.66
103101204270169	12	1,960	Galvanized	sZ	130	75.7	SupplierStandard	0.66
103101203270169	12	1,960	Galvanized	zS	130	75.7	SupplierStandard	0.66
103101274070169	12.7	1,960	Bright	sZ	146	84.9	SupplierStandard	0.74
103101273070169	12.7	1,960	Bright	zS	146	84.9	SupplierStandard	0.74
103101274270169	12.7	1,960	Galvanized	sZ	146	84.9	SupplierStandard	0.74
103101273270169	12.7	1,960	Galvanized	zS	146	84.9	SupplierStandard	0.74
103101304070169	13	1,960	Bright	sZ	147	89.5	SupplierStandard	0.78
103101303070169	13	1,960	Bright	zS	147	89.5	SupplierStandard	0.78
103101304270169	13	1,960	Galvanized	sZ	147	89.5	SupplierStandard	0.78
103101303270169	13	1,960	Galvanized	zS	147	89.5	SupplierStandard	0.78
103101404070169	14	1,960	Bright	sZ	177	103.1	SupplierStandard	0.9
103101403070169	14	1,960	Bright	zS	177	103.1	SupplierStandard	0.9
103101404270169	14	1,960	Galvanized	sZ	177	103.1	SupplierStandard	0.9

© November 2026 - All Rights Reserved

Turboplast

Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight kg/100m
103101403270169	14	1,960	Galvanized	zS	177	103.1	SupplierStandard	0.9
103101504070169	15	1,960	Bright	sZ	205	119	SupplierStandard	1.04
103101503070169	15	1,960	Bright	zS	205	119	SupplierStandard	1.04
103101504270169	15	1,960	Galvanized	sZ	205	119	SupplierStandard	1.04
103101503270169	15	1,960	Galvanized	zS	205	119	SupplierStandard	1.04
103101604070169	16	1,960	Bright	sZ	232	135.5	SupplierStandard	1.18
103101603070169	16	1,960	Bright	zS	232	135.5	SupplierStandard	1.18
103101604270169	16	1,960	Galvanized	sZ	232	135.5	SupplierStandard	1.18
103101603270169	16	1,960	Galvanized	zS	232	135.5	SupplierStandard	1.18
103101704070169	17	1,960	Bright	sZ	259	152.4	SupplierStandard	1.33
103101703070169	17	1,960	Bright	zS	259	152.4	SupplierStandard	1.33
103101704270169	17	1,960	Galvanized	sZ	259	152.4	SupplierStandard	1.33
103101703270169	17	1,960	Galvanized	zS	259	152.4	SupplierStandard	1.33
103101804070169	18	1,960	Bright	sZ	292	168.9	SupplierStandard	1.47
103101803070169	18	1,960	Bright	zS	292	168.9	SupplierStandard	1.47
103101804270169	18	1,960	Galvanized	sZ	292	168.9	SupplierStandard	1.47
103101803270169	18	1,960	Galvanized	zS	292	168.9	SupplierStandard	1.47
103101904070169	19	1,960	Bright	sZ	327	189	SupplierStandard	1.64
103101903070169	19	1,960	Bright	zS	327	189	SupplierStandard	1.64
103101904270169	19	1,960	Galvanized	sZ	327	189	SupplierStandard	1.64
103101903270169	19	1,960	Galvanized	zS	327	189	SupplierStandard	1.64
103102004070169	20	1,960	Bright	sZ	361	210.7	SupplierStandard	1.83
103102003070169	20	1,960	Bright	zS	361	210.7	SupplierStandard	1.83
103102004270169	20	1,960	Galvanized	sZ	361	210.7	SupplierStandard	1.83
103102003270169	20	1,960	Galvanized	zS	361	210.7	SupplierStandard	1.83
103102104070169	21	1,960	Bright	sZ	394	226.9	SupplierStandard	1.97
103102103070169	21	1,960	Bright	zS	394	226.9	SupplierStandard	1.97
103102104270169	21	1,960	Galvanized	sZ	394	226.9	SupplierStandard	1.97
103102103270169	21	1,960	Galvanized	zS	394	226.9	SupplierStandard	1.97
103102204070169	22	1,960	Bright	sZ	439	251.9	SupplierStandard	2.19
103102203070169	22	1,960	Bright	zS	439	251.9	SupplierStandard	2.19

© November 2026 - All Rights Reserved

Turboplast

Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight kg/100m
103102204270169	22	1,960	Galvanized	sZ	439	251.9	SupplierStandard	2.19
103102203270169	22	1,960	Galvanized	zS	439	251.9	SupplierStandard	2.19
103102304070169	23	1,960	Bright	sZ	478	275.1	SupplierStandard	2.39
103102303070169	23	1,960	Bright	zS	478	275.1	SupplierStandard	2.39
103102304270169	23	1,960	Galvanized	sZ	478	275.1	SupplierStandard	2.39
103102303270169	23	1,960	Galvanized	zS	478	275.1	SupplierStandard	2.39
103102404070169	24	1,960	Bright	sZ	514.3	299.5	SupplierStandard	2.61
103102403070169	24	1,960	Bright	zS	514.3	299.5	SupplierStandard	2.61
103102404270169	24	1,960	Galvanized	sZ	514.3	299.5	SupplierStandard	2.61
103102403270169	24	1,960	Galvanized	zS	514.3	299.5	SupplierStandard	2.61
103102504070169	25	1,960	Bright	sZ	566	324.2	SupplierStandard	2.82
103102503070169	25	1,960	Bright	zS	566	324.2	SupplierStandard	2.82
103102504270169	25	1,960	Galvanized	sZ	566	324.2	SupplierStandard	2.82
103102503270169	25	1,960	Galvanized	zS	566	324.2	SupplierStandard	2.82
103102604070169	26	1,960	Bright	sZ	616	352.4	SupplierStandard	3.07
103102603070169	26	1,960	Bright	zS	616	352.4	SupplierStandard	3.07
103102604270169	26	1,960	Galvanized	sZ	616	352.4	SupplierStandard	3.07
103102603270169	26	1,960	Galvanized	zS	616	352.4	SupplierStandard	3.07
103102704070169	27	1,960	Bright	sZ	657	380.3	SupplierStandard	3.31
103102703070169	27	1,960	Bright	zS	657	380.3	SupplierStandard	3.31
103102704270169	27	1,960	Galvanized	sZ	657	380.3	SupplierStandard	3.31
103102703270169	27	1,960	Galvanized	zS	657	380.3	SupplierStandard	3.31
103102804070169	28	1,960	Bright	sZ	707	405.2	SupplierStandard	3.53
103102803070169	28	1,960	Bright	zS	707	405.2	SupplierStandard	3.53
103102804270169	28	1,960	Galvanized	sZ	707	405.2	SupplierStandard	3.53
103102803270169	28	1,960	Galvanized	zS	707	405.2	SupplierStandard	3.53
103102904070169	29	1,960	Bright	sZ	760	436	SupplierStandard	3.79
103102903070169	29	1,960	Bright	zS	760	436	SupplierStandard	3.79
103102904270169	29	1,960	Galvanized	sZ	760	436	SupplierStandard	3.79
103102903270169	29	1,960	Galvanized	zS	760	436	SupplierStandard	3.79
103103004070169	30	1,960	Bright	sZ	813	470.8	SupplierStandard	4.1

© November 2026 - All Rights Reserved

CERTEX | Lifting Solutions Group
Axel Johnson International

Turboplast

Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight kg/100m
103103003070169	30	1,960	Bright	zS	813	470.8	SupplierStandard	4.1
103103004270169	30	1,960	Galvanized	sZ	813	470.8	SupplierStandard	4.1
103103003270169	30	1,960	Galvanized	zS	813	470.8	SupplierStandard	4.1
103103104070169	31	1,960	Bright	sZ	869	502.3	SupplierStandard	4.37
103103103070169	31	1,960	Bright	zS	869	502.3	SupplierStandard	4.37
103103104270169	31	1,960	Galvanized	sZ	869	502.3	SupplierStandard	4.37
103103103270169	31	1,960	Galvanized	zS	869	502.3	SupplierStandard	4.37
103103204070169	32	1,960	Bright	sZ	938	533.7	SupplierStandard	4.64
103103203070169	32	1,960	Bright	zS	938	533.7	SupplierStandard	4.64
103103204270169	32	1,960	Galvanized	sZ	938	533.7	SupplierStandard	4.64
103103203270169	32	1,960	Galvanized	zS	938	533.7	SupplierStandard	4.64
103103304070169	33	1,960	Bright	sZ	979	571.8	SupplierStandard	4.98
103103303070169	33	1,960	Bright	zS	979	571.8	SupplierStandard	4.98
103103304270169	33	1,960	Galvanized	sZ	979	571.8	SupplierStandard	4.98
103103303270169	33	1,960	Galvanized	zS	979	571.8	SupplierStandard	4.98
103103404070169	34	1,960	Bright	sZ	1,055	601.4	SupplierStandard	5.23
103103403070169	34	1,960	Bright	zS	1,055	601.4	SupplierStandard	5.23
103103404270169	34	1,960	Galvanized	sZ	1,055	601.4	SupplierStandard	5.23
103103403270169	34	1,960	Galvanized	zS	1,055	601.4	SupplierStandard	5.23
103103604070169	36	1,960	Bright	sZ	1,164	670.5	SupplierStandard	5.83
103103603070169	36	1,960	Bright	zS	1,164	670.5	SupplierStandard	5.83
103103604270169	36	1,960	Galvanized	sZ	1,164	670.5	SupplierStandard	5.83
103103603270169	36	1,960	Galvanized	zS	1,164	670.5	SupplierStandard	5.83
103103804070169	38	1,960	Bright	sZ	1,301	753.1	SupplierStandard	6.55
103103803070169	38	1,960	Bright	zS	1,301	753.1	SupplierStandard	6.55
103103804270169	38	1,960	Galvanized	sZ	1,301	753.1	SupplierStandard	6.55
103103803270169	38	1,960	Galvanized	zS	1,301	753.1	SupplierStandard	6.55
103104004070169	40	1,960	Bright	sZ	1,438	837.9	SupplierStandard	7.29
103104003070169	40	1,960	Bright	zS	1,438	837.9	SupplierStandard	7.29
103104004270169	40	1,960	Galvanized	sZ	1,438	837.9	SupplierStandard	7.29
103104003270169	40	1,960	Galvanized	zS	1,438	837.9	SupplierStandard	7.29

© November 2026 - All Rights Reserved

CERTEX | Lifting Solutions Group
Axel Johnson International

Turboplast

Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight kg/100m
103104204070169	42	1,960	Bright	sZ	1,591	914.7	SupplierStandard	7.96
103104203070169	42	1,960	Bright	zS	1,591	914.7	SupplierStandard	7.96
103104204270169	42	1,960	Galvanized	sZ	1,591	914.7	SupplierStandard	7.96
103104203270169	42	1,960	Galvanized	zS	1,591	914.7	SupplierStandard	7.96
103104404070169	44	1,960	Bright	sZ	1,739	1,010.7	SupplierStandard	8.79
103104403070169	44	1,960	Bright	zS	1,739	1,010.7	SupplierStandard	8.79
103104404270169	44	1,960	Galvanized	sZ	1,739	1,010.7	SupplierStandard	8.79
103104403270169	44	1,960	Galvanized	zS	1,739	1,010.7	SupplierStandard	8.79
103104604070169	46	1,960	Bright	sZ	1,916	1,102.4	SupplierStandard	9.59
103104603070169	46	1,960	Bright	zS	1,916	1,102.4	SupplierStandard	9.59
103104604270169	46	1,960	Galvanized	sZ	1,916	1,102.4	SupplierStandard	9.59
103104603270169	46	1,960	Galvanized	zS	1,916	1,102.4	SupplierStandard	9.59
103104804070169	48	1,960	Bright	sZ	2,079	1,201.1	SupplierStandard	10.45
103104803070169	48	1,960	Bright	zS	2,079	1,201.1	SupplierStandard	10.45
103104804270169	48	1,960	Galvanized	sZ	2,079	1,201.1	SupplierStandard	10.45
103104803270169	48	1,960	Galvanized	zS	2,079	1,201.1	SupplierStandard	10.45
103105004070169	50	1,960	Bright	sZ	2,265	1,303.7	SupplierStandard	10.95
103105003070169	50	1,960	Bright	zS	2,265	1,303.7	SupplierStandard	10.95
103105004270169	50	1,960	Galvanized	sZ	2,265	1,303.7	SupplierStandard	10.95
103105003270169	50	1,960	Galvanized	zS	2,265	1,303.7	SupplierStandard	10.95
103105204070169	52	1,960	Bright	sZ	2,448	1,409.4	SupplierStandard	11.84
103105203070169	52	1,960	Bright	zS	2,448	1,409.4	SupplierStandard	11.84
103105204270169	52	1,960	Galvanized	sZ	2,448	1,409.4	SupplierStandard	11.84
103105203270169	52	1,960	Galvanized	zS	2,448	1,409.4	SupplierStandard	11.84
103105404070169	54	1,960	Bright	sZ	2,641	1,520	SupplierStandard	12.77
103105403070169	54	1,960	Bright	zS	2,641	1,520	SupplierStandard	12.77
103105404270169	54	1,960	Galvanized	sZ	2,641	1,520	SupplierStandard	12.77
103105403270169	54	1,960	Galvanized	zS	2,641	1,520	SupplierStandard	12.77
103105604070169	56	1,960	Bright	sZ	2,828	1,628.1	SupplierStandard	13.68
103105603070169	56	1,960	Bright	zS	2,828	1,628.1	SupplierStandard	13.68
103105604270169	56	1,960	Galvanized	sZ	2,828	1,628.1	SupplierStandard	13.68

© November 2026 - All Rights Reserved

Turboplast

Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight kg/100m
103105603270169	56	1,960	Galvanized	zS	2,828	1,628.1	SupplierStandard	13.68
103105804070169	58	1,960	Bright	sZ	3,022	1,739.3	SupplierStandard	14.61
103105803070169	58	1,960	Bright	zS	3,022	1,739.3	SupplierStandard	14.61
103105804270169	58	1,960	Galvanized	sZ	3,022	1,739.3	SupplierStandard	14.61
103105803270169	58	1,960	Galvanized	zS	3,022	1,739.3	SupplierStandard	14.61
103106004070169	60	1,960	Bright	sZ	3,242	1,865.9	SupplierStandard	15.67
103106003070169	60	1,960	Bright	zS	3,242	1,865.9	SupplierStandard	15.67
103106004270169	60	1,960	Galvanized	sZ	3,242	1,865.9	SupplierStandard	15.67
103106003270169	60	1,960	Galvanized	zS	3,242	1,865.9	SupplierStandard	15.67
103106204070169	62	1,960	Bright	sZ	3,364	1,994.2	SupplierStandard	16.75
103106203070169	62	1,960	Bright	zS	3,364	1,994.2	SupplierStandard	16.75
103106204270169	62	1,960	Galvanized	sZ	3,364	1,994.2	SupplierStandard	16.75
103106203270169	62	1,960	Galvanized	zS	3,364	1,994.2	SupplierStandard	16.75
103106404070169	64	1,960	Bright	sZ	3,597	2,132.4	SupplierStandard	17.91
103106403070169	64	1,960	Bright	zS	3,597	2,132.4	SupplierStandard	17.91
103106404270169	64	1,960	Galvanized	sZ	3,597	2,132.4	SupplierStandard	17.91
103106403270169	64	1,960	Galvanized	zS	3,597	2,132.4	SupplierStandard	17.91
103106604070169	66	1,960	Bright	sZ	3,833	2,272.3	SupplierStandard	19.09
103106603070169	66	1,960	Bright	zS	3,833	2,272.3	SupplierStandard	19.09
103106604270169	66	1,960	Galvanized	sZ	3,833	2,272.3	SupplierStandard	19.09
103106603270169	66	1,960	Galvanized	zS	3,833	2,272.3	SupplierStandard	19.09
103106804070169	68	1,960	Bright	sZ	4,055	2,403.4	SupplierStandard	20.19
103106803070169	68	1,960	Bright	zS	4,055	2,403.4	SupplierStandard	20.19
103106804270169	68	1,960	Galvanized	sZ	4,055	2,403.4	SupplierStandard	20.19
103106803270169	68	1,960	Galvanized	zS	4,055	2,403.4	SupplierStandard	20.19
103107004070169	70	1,960	Bright	sZ	4,281	2,537.6	SupplierStandard	21.32
103107003070169	70	1,960	Bright	zS	4,281	2,537.6	SupplierStandard	21.32
103107004270169	70	1,960	Galvanized	sZ	4,281	2,537.6	SupplierStandard	21.32
103107003270169	70	1,960	Galvanized	zS	4,281	2,537.6	SupplierStandard	21.32
103107204070169	72	1,960	Bright	sZ	4,538	2,689.8	SupplierStandard	22.6
103107203070169	72	1,960	Bright	zS	4,538	2,689.8	SupplierStandard	22.6

© November 2026 - All Rights Reserved

Lifting Solutions Group
Axel Johnson International

Turboplast

Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight kg/100m
103107204270169	72	1,960	Galvanized	sZ	4,538	2,689.8	SupplierStandard	22.6
103107203270169	72	1,960	Galvanized	zS	4,538	2,689.8	SupplierStandard	22.6

© November 2026 - All Rights Reserved