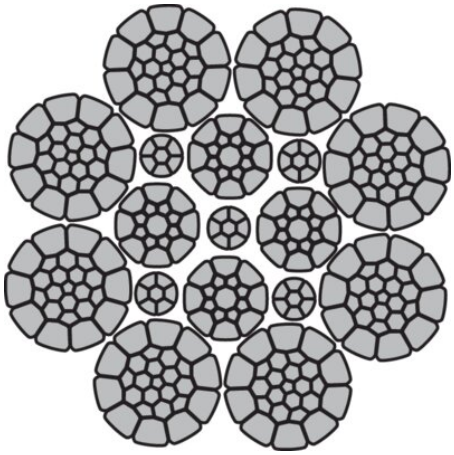
Lifting Solutions Group
Axel Johnson International

Casar Turbolift

Product information



Tower crane



Crawler crane





Features:
- Very high breaking strength and provides good structural stability.
- Excellent spooling on the drum.
- Very flexible rope construction with high abrasion resistance and good service life.

ISO 4309 Rope Category No: 10-56mm **RCN.09**, 58-72mm **RCN.11**

... *Read more*

Rope construction: 8 compacted strands closed in a parallel lay together with the inner core strands.
Marking: According to standard
Standard: EN 12385-4
Note: Due to its particular full unilay parallel closing (outer/inner strands), this rope is very sensible to the rotation and fleet angle. Cannot be used for big lifting heights, unguided loads a

Fill factor: 0.73
RCN: 09
Tolerance Ø: +2% to +4%

© November 2026 - All Rights Reserved

CERTEX | Lifting Solutions Group
Axel Johnson International

Casar Turbolift

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
103100804070159	8	1,960	Bright	sZ	59.9	36.8	SupplierStandard	31
103100803070159	8	1,960	Bright	zS	59.9	36.8	SupplierStandard	31
103100804270159	8	1,960	Galvanized	sZ	59.9	36.8	SupplierStandard	31
103100803270159	8	1,960	Galvanized	zS	59.9	36.8	SupplierStandard	31
103100804100159	8	2,160	Bright	sZ	-	36.8	SupplierStandard	31
103100803100159	8	2,160	Bright	zS	-	36.8	SupplierStandard	31
103100804300159	8	2,160	Galvanized	sZ	-	36.8	SupplierStandard	31
103100803300159	8	2,160	Galvanized	zS	-	36.8	SupplierStandard	31
103100904070159	9	1,960	Bright	sZ	75.9	46.6	SupplierStandard	40
103100903070159	9	1,960	Bright	zS	75.9	46.6	SupplierStandard	40
103100904270159	9	1,960	Galvanized	sZ	75.9	46.6	SupplierStandard	40
103100903270159	9	1,960	Galvanized	zS	75.9	46.6	SupplierStandard	40
103100904100159	9	2,160	Bright	sZ	-	46.6	SupplierStandard	40
103100903100159	9	2,160	Bright	zS	-	46.6	SupplierStandard	40
103100904300159	9	2,160	Galvanized	sZ	-	46.6	SupplierStandard	40
103100903300159	9	2,160	Galvanized	zS	-	46.6	SupplierStandard	40
103101004070159	10	1,960	Bright	sZ	94	57.5	SupplierStandard	49
103101003070159	10	1,960	Bright	zS	94	57.5	SupplierStandard	49
103101004270159	10	1,960	Galvanized	sZ	94	57.5	SupplierStandard	49
103101003270159	10	1,960	Galvanized	zS	94	57.5	SupplierStandard	49
103101004100159	10	2,160	Bright	sZ	104	57.5	SupplierStandard	49
103101003100159	10	2,160	Bright	zS	104	57.5	SupplierStandard	49
103101004300159	10	2,160	Galvanized	sZ	104	57.5	SupplierStandard	49
103101003300159	10	2,160	Galvanized	zS	104	57.5	SupplierStandard	49
103101104070159	11	1,960	Bright	sZ	114	69.8	SupplierStandard	59
103101103070159	11	1,960	Bright	zS	114	69.8	SupplierStandard	59
103101104270159	11	1,960	Galvanized	sZ	114	69.8	SupplierStandard	59
103101103270159	11	1,960	Galvanized	zS	114	69.8	SupplierStandard	59
103101104100159	11	2,160	Bright	sZ	125	69.8	SupplierStandard	59
103101103100159	11	2,160	Bright	zS	125	69.8	SupplierStandard	59
103101104300159	11	2,160	Galvanized	sZ	125	69.8	SupplierStandard	59

© November 2026 - All Rights Reserved

Casar Turbolift

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
103101103300159	11	2,160	Galvanized	zS	125	69.8	SupplierStandard	59
103101204070159	12	1,960	Bright	sZ	136	83.3	SupplierStandard	71
103101203070159	12	1,960	Bright	zS	136	83.3	SupplierStandard	71
103101204270159	12	1,960	Galvanized	sZ	136	83.3	SupplierStandard	71
103101203270159	12	1,960	Galvanized	zS	136	83.3	SupplierStandard	71
103101204100159	12	2,160	Bright	sZ	149	83.3	SupplierStandard	71
103101203100159	12	2,160	Bright	zS	149	83.3	SupplierStandard	71
103101204300159	12	2,160	Galvanized	sZ	149	83.3	SupplierStandard	71
103101203300159	12	2,160	Galvanized	zS	149	83.3	SupplierStandard	71
103101304070159	13	1,960	Bright	sZ	158	98.1	SupplierStandard	83
103101303070159	13	1,960	Bright	zS	158	98.1	SupplierStandard	83
103101304270159	13	1,960	Galvanized	sZ	158	98.1	SupplierStandard	83
103101303270159	13	1,960	Galvanized	zS	158	98.1	SupplierStandard	83
103101304100159	13	2,160	Bright	sZ	175	98.1	SupplierStandard	83
103101303100159	13	2,160	Bright	zS	175	98.1	SupplierStandard	83
103101304300159	13	2,160	Galvanized	sZ	175	98.1	SupplierStandard	83
103101303300159	13	2,160	Galvanized	zS	175	98.1	SupplierStandard	83
103101404070159	14	1,960	Bright	sZ	184	114	SupplierStandard	97
103101403070159	14	1,960	Bright	zS	184	114	SupplierStandard	97
103101404270159	14	1,960	Galvanized	sZ	184	114	SupplierStandard	97
103101403270159	14	1,960	Galvanized	zS	184	114	SupplierStandard	97
103101404100159	14	2,160	Bright	sZ	203	114	SupplierStandard	97
103101403100159	14	2,160	Bright	zS	203	114	SupplierStandard	97
103101404300159	14	2,160	Galvanized	sZ	203	114	SupplierStandard	97
103101403300159	14	2,160	Galvanized	zS	203	114	SupplierStandard	97
103101504070159	15	1,960	Bright	sZ	212	131	SupplierStandard	111
103101503070159	15	1,960	Bright	zS	212	131	SupplierStandard	111
103101504270159	15	1,960	Galvanized	sZ	212	131	SupplierStandard	111
103101503270159	15	1,960	Galvanized	zS	212	131	SupplierStandard	111
103101504100159	15	2,160	Bright	sZ	234	131	SupplierStandard	111
103101503100159	15	2,160	Bright	zS	234	131	SupplierStandard	111

© November 2026 - All Rights Reserved

CERTEX | Lifting Solutions Group
Axel Johnson International

Casar Turbolift

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
103101504300159	15	2,160	Galvanized	sZ	234	131	SupplierStandard	111
103101503300159	15	2,160	Galvanized	zS	234	131	SupplierStandard	111
103101604070159	16	1,960	Bright	sZ	242	149	SupplierStandard	126
103101603070159	16	1,960	Bright	zS	242	149	SupplierStandard	126
103101604270159	16	1,960	Galvanized	sZ	242	149	SupplierStandard	126
103101603270159	16	1,960	Galvanized	zS	242	149	SupplierStandard	126
103101604100159	16	2,160	Bright	sZ	267	149	SupplierStandard	126
103101603100159	16	2,160	Bright	zS	267	149	SupplierStandard	126
103101604300159	16	2,160	Galvanized	sZ	267	149	SupplierStandard	126
103101603300159	16	2,160	Galvanized	zS	267	149	SupplierStandard	126
103101704070159	17	1,960	Bright	sZ	275	168	SupplierStandard	143
103101703070159	17	1,960	Bright	zS	275	168	SupplierStandard	143
103101704270159	17	1,960	Galvanized	sZ	275	168	SupplierStandard	143
103101703270159	17	1,960	Galvanized	zS	275	168	SupplierStandard	143
103101704100159	17	2,160	Bright	sZ	303	168	SupplierStandard	143
103101703100159	17	2,160	Bright	zS	303	168	SupplierStandard	143
103101704300159	17	2,160	Galvanized	sZ	303	168	SupplierStandard	143
103101703300159	17	2,160	Galvanized	zS	303	168	SupplierStandard	143
103101804070159	18	1,960	Bright	sZ	308	187	SupplierStandard	159
103101803070159	18	1,960	Bright	zS	308	187	SupplierStandard	159
103101804270159	18	1,960	Galvanized	sZ	308	187	SupplierStandard	159
103101803270159	18	1,960	Galvanized	zS	308	187	SupplierStandard	159
103101804100159	18	2,160	Bright	sZ	340	187	SupplierStandard	159
103101803100159	18	2,160	Bright	zS	340	187	SupplierStandard	159
103101804300159	18	2,160	Galvanized	sZ	340	187	SupplierStandard	159
103101803300159	18	2,160	Galvanized	zS	340	187	SupplierStandard	159
103101904070159	19	1,960	Bright	sZ	340	210	SupplierStandard	178
103101903070159	19	1,960	Bright	zS	340	210	SupplierStandard	178
103101904270159	19	1,960	Galvanized	sZ	340	210	SupplierStandard	178
103101903270159	19	1,960	Galvanized	zS	340	210	SupplierStandard	178
103101904100159	19	2,160	Bright	sZ	375	210	SupplierStandard	178

© November 2026 - All Rights Reserved

CERTEX | Lifting Solutions Group
Axel Johnson International

Casar Turbolift

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
103101903100159	19	2,160	Bright	zS	375	210	SupplierStandard	178
103101904300159	19	2,160	Galvanized	sZ	375	210	SupplierStandard	178
103101903300159	19	2,160	Galvanized	zS	375	210	SupplierStandard	178
103102004070159	20	1,960	Bright	sZ	379	232	SupplierStandard	197
103102003070159	20	1,960	Bright	zS	379	232	SupplierStandard	197
103102004270159	20	1,960	Galvanized	sZ	379	232	SupplierStandard	197
103102003270159	20	1,960	Galvanized	zS	379	232	SupplierStandard	197
103102004100159	20	2,160	Bright	sZ	418	232	SupplierStandard	197
103102003100159	20	2,160	Bright	zS	418	232	SupplierStandard	197
103102004300159	20	2,160	Galvanized	sZ	418	232	SupplierStandard	197
103102003300159	20	2,160	Galvanized	zS	418	232	SupplierStandard	197
103102104070159	21	1,960	Bright	sZ	415	254	SupplierStandard	216
103102103070159	21	1,960	Bright	zS	415	254	SupplierStandard	216
103102104270159	21	1,960	Galvanized	sZ	415	254	SupplierStandard	216
103102103270159	21	1,960	Galvanized	zS	415	254	SupplierStandard	216
103102104100159	21	2,160	Bright	sZ	458	254	SupplierStandard	216
103102103100159	21	2,160	Bright	zS	458	254	SupplierStandard	216
103102104300159	21	2,160	Galvanized	sZ	458	254	SupplierStandard	216
103102103300159	21	2,160	Galvanized	zS	458	254	SupplierStandard	216
103102204070159	22	1,960	Bright	sZ	459	281	SupplierStandard	239
103102203070159	22	1,960	Bright	zS	459	281	SupplierStandard	239
103102204270159	22	1,960	Galvanized	sZ	459	281	SupplierStandard	239
103102203270159	22	1,960	Galvanized	zS	459	281	SupplierStandard	239
103102204100159	22	2,160	Bright	sZ	506	281	SupplierStandard	239
103102203100159	22	2,160	Bright	zS	506	281	SupplierStandard	239
103102204300159	22	2,160	Galvanized	sZ	506	281	SupplierStandard	239
103102203300159	22	2,160	Galvanized	zS	506	281	SupplierStandard	239
103102304070159	23	1,960	Bright	sZ	502	307	SupplierStandard	261
103102303070159	23	1,960	Bright	zS	502	307	SupplierStandard	261
103102304270159	23	1,960	Galvanized	sZ	502	307	SupplierStandard	261
103102303270159	23	1,960	Galvanized	zS	502	307	SupplierStandard	261

© November 2026 - All Rights Reserved

CERTEX | Lifting Solutions Group
Axel Johnson International

Casar Turbolift

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
103102304100159	23	2,160	Bright	sZ	553	307	SupplierStandard	261
103102303100159	23	2,160	Bright	zS	553	307	SupplierStandard	261
103102304300159	23	2,160	Galvanized	sZ	553	307	SupplierStandard	261
103102303300159	23	2,160	Galvanized	zS	553	307	SupplierStandard	261
103102404070159	24	1,960	Bright	sZ	543	334	SupplierStandard	284
103102403070159	24	1,960	Bright	zS	543	334	SupplierStandard	284
103102404270159	24	1,960	Galvanized	sZ	543	334	SupplierStandard	284
103102403270159	24	1,960	Galvanized	zS	543	334	SupplierStandard	284
103102404100159	24	2,160	Bright	sZ	598	334	SupplierStandard	284
103102403100159	24	2,160	Bright	zS	598	334	SupplierStandard	284
103102404300159	24	2,160	Galvanized	sZ	598	334	SupplierStandard	284
103102403300159	24	2,160	Galvanized	zS	598	334	SupplierStandard	284
103102504070159	25	1,960	Bright	sZ	590	361	SupplierStandard	307
103102503070159	25	1,960	Bright	zS	590	361	SupplierStandard	307
103102504270159	25	1,960	Galvanized	sZ	590	361	SupplierStandard	307
103102503270159	25	1,960	Galvanized	zS	590	361	SupplierStandard	307
103102504100159	25	2,160	Bright	sZ	650	361	SupplierStandard	307
103102503100159	25	2,160	Bright	zS	650	361	SupplierStandard	307
103102504300159	25	2,160	Galvanized	sZ	650	361	SupplierStandard	307
103102503300159	25	2,160	Galvanized	zS	650	361	SupplierStandard	307
103102604070159	26	1,960	Bright	sZ	636	392	SupplierStandard	333
103102603070159	26	1,960	Bright	zS	636	392	SupplierStandard	333
103102604270159	26	1,960	Galvanized	sZ	636	392	SupplierStandard	333
103102603270159	26	1,960	Galvanized	zS	636	392	SupplierStandard	333
103102604100159	26	2,160	Bright	sZ	701	392	SupplierStandard	333
103102603100159	26	2,160	Bright	zS	701	392	SupplierStandard	333
103102604300159	26	2,160	Galvanized	sZ	701	392	SupplierStandard	333
103102603300159	26	2,160	Galvanized	zS	701	392	SupplierStandard	333
103102804070159	28	1,960	Bright	sZ	742	452	SupplierStandard	384
103102803070159	28	1,960	Bright	zS	742	452	SupplierStandard	384
103102804270159	28	1,960	Galvanized	sZ	742	452	SupplierStandard	384

© November 2026 - All Rights Reserved

CERTEX | Lifting Solutions Group
Axel Johnson International

Casar Turbolift

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
103102803270159	28	1,960	Galvanized	zS	742	452	SupplierStandard	384
103102804100159	28	2,160	Bright	sZ	818	452	SupplierStandard	384
103102803100159	28	2,160	Bright	zS	818	452	SupplierStandard	384
103102804300159	28	2,160	Galvanized	sZ	818	452	SupplierStandard	384
103102803300159	28	2,160	Galvanized	zS	818	452	SupplierStandard	384
103103004070159	30	1,960	Bright	sZ	855	520	SupplierStandard	442
103103003070159	30	1,960	Bright	zS	855	520	SupplierStandard	442
103103004270159	30	1,960	Galvanized	sZ	855	520	SupplierStandard	442
103103003270159	30	1,960	Galvanized	zS	855	520	SupplierStandard	442
103103004100159	30	2,160	Bright	sZ	943	520	SupplierStandard	442
103103003100159	30	2,160	Bright	zS	943	520	SupplierStandard	442
103103004300159	30	2,160	Galvanized	sZ	943	520	SupplierStandard	442
103103003300159	30	2,160	Galvanized	zS	943	520	SupplierStandard	442
103103204070159	32	1,960	Bright	sZ	968	593	SupplierStandard	504
103103203070159	32	1,960	Bright	zS	968	593	SupplierStandard	504
103103204270159	32	1,960	Galvanized	sZ	968	593	SupplierStandard	504
103103203270159	32	1,960	Galvanized	zS	968	593	SupplierStandard	504
103103204100159	32	2,160	Bright	sZ	1,067	593	SupplierStandard	504
103103203100159	32	2,160	Bright	zS	1,067	593	SupplierStandard	504
103103204300159	32	2,160	Galvanized	sZ	1,067	593	SupplierStandard	504
103103203300159	32	2,160	Galvanized	zS	1,067	593	SupplierStandard	504
103103404070159	34	1,960	Bright	sZ	1,095	667	SupplierStandard	567
103103403070159	34	1,960	Bright	zS	1,095	667	SupplierStandard	567
103103404270159	34	1,960	Galvanized	sZ	1,095	667	SupplierStandard	567
103103403270159	34	1,960	Galvanized	zS	1,095	667	SupplierStandard	567
103103404100159	34	2,160	Bright	sZ	1,207	667	SupplierStandard	567
103103403100159	34	2,160	Bright	zS	1,207	667	SupplierStandard	567
103103404300159	34	2,160	Galvanized	sZ	1,207	667	SupplierStandard	567
103103403300159	34	2,160	Galvanized	zS	1,207	667	SupplierStandard	567
103103604070159	36	1,960	Bright	sZ	1,220	747	SupplierStandard	635
103103603070159	36	1,960	Bright	zS	1,220	747	SupplierStandard	635

© November 2026 - All Rights Reserved

CERTEX | Lifting Solutions Group
Axel Johnson International

Casar Turbolift

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
103103604270159	36	1,960	Galvanized	sZ	1,220	747	SupplierStandard	635
103103603270159	36	1,960	Galvanized	zS	1,220	747	SupplierStandard	635
103103604100159	36	2,160	Bright	sZ	1,345	747	SupplierStandard	635
103103603100159	36	2,160	Bright	zS	1,345	747	SupplierStandard	635
103103604300159	36	2,160	Galvanized	sZ	1,345	747	SupplierStandard	635
103103603300159	36	2,160	Galvanized	zS	1,345	747	SupplierStandard	635
103103804070159	38	1,960	Bright	sZ	1,362	837	SupplierStandard	711
103103803070159	38	1,960	Bright	zS	1,362	837	SupplierStandard	711
103103804270159	38	1,960	Galvanized	sZ	1,362	837	SupplierStandard	711
103103803270159	38	1,960	Galvanized	zS	1,362	837	SupplierStandard	711
103103804100159	38	2,160	Bright	sZ	1,501	837	SupplierStandard	711
103103803100159	38	2,160	Bright	zS	1,501	837	SupplierStandard	711
103103804300159	38	2,160	Galvanized	sZ	1,501	837	SupplierStandard	711
103103803300159	38	2,160	Galvanized	zS	1,501	837	SupplierStandard	711
103104004070159	40	1,960	Bright	sZ	1,515	932	SupplierStandard	792
103104003070159	40	1,960	Bright	zS	1,515	932	SupplierStandard	792
103104004270159	40	1,960	Galvanized	sZ	1,515	932	SupplierStandard	792
103104003270159	40	1,960	Galvanized	zS	1,515	932	SupplierStandard	792
103104004100159	40	2,160	Bright	sZ	1,669	932	SupplierStandard	792
103104003100159	40	2,160	Bright	zS	1,669	932	SupplierStandard	792
103104004300159	40	2,160	Galvanized	sZ	1,669	932	SupplierStandard	792
103104003300159	40	2,160	Galvanized	zS	1,669	932	SupplierStandard	792

© November 2026 - All Rights Reserved