

# Operating Instructions / Commissioning Check List

## Festoon Systems for I-beam

Program 0350 / 0360 / 0364 / 0365 / 0370 / 0375



BAL0300-0003a-E

	<p>This check list serves as a guideline to guarantee a safe operation of the festoon systems. It is a manual for specialized personnel for the installation and commissioning of festoon systems, who are familiar with the regulations about operational safety and prevention of accidents.</p> <p><b>The specialized staff must familiarize themselves with the operating instructions BAL0300-0001 (Prog. 0350 / 0360 / 0364) respectively BAL0300-0006 (Prog. 0365 / 0370 / 0375)</b></p> <p><b>If commissioning has been made by Wampfler AG the final inspection report on the last page must be filled out.</b></p>		
	<b>Customer:</b>		<b>Customer No.:</b>
		<b>Purchase order No.:</b>	
<b>Operator:</b>		<b>Order confirmation No.:</b>	
<b>Place of commissioning:</b>		<b>Postal code:</b>	
<b>Street:</b>		<b>Country:</b>	
<b>Name of installation:</b>			
<b>Begin of commissioning:</b>		<b>Commissioner</b>	
<b>End of commissioning:</b>		<b>Name:</b>	
		<b>Date:</b>	
		<b>Signature</b>	

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### Required tools and measuring equipment for commissioning:

<b>Tool box</b>		<b>Tape measure</b>	
<b>Screw wrench</b>		<b>Lubricant</b>	
<b>Caliper</b>		<b>Laser removal measuring device</b>	

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### Mechanical controls of festoon system and accessories:

Controls at the inoperative system		O.K.	not O.K.
A01	The travel distance of the main trolley complies with the order-related technical documentation.	<input type="checkbox"/>	<input type="checkbox"/>
A02	The storage length of the festoon system complies with the order-related technical documentation.	<input type="checkbox"/>	<input type="checkbox"/>
A03	Buffer of the last cable trolley hits the end clamp centrally.	<input type="checkbox"/>	<input type="checkbox"/>
A04	End clamp is mounted in alignment with the track beam: <b>Vertical and horizontal deviation setpoint value <math>\pm 1^\circ</math></b>	<input type="checkbox"/>	<input type="checkbox"/>
	<b>Actual value</b> _____		
A05	End clamp is equipped with the subsequent shear plate welded to the track beam.	<input type="checkbox"/>	<input type="checkbox"/>
A06	Towing clamp is mounted at the correct height and hits the buffer of the 1. cable trolley centrally.	<input type="checkbox"/>	<input type="checkbox"/>
A07	Towing clamp is mounted in alignment with the track beam: <b>Vertical and horizontal deviation setpoint value <math>\pm 1^\circ</math></b>	<input type="checkbox"/>	<input type="checkbox"/>
	<b>Actual value</b> _____		
A08	All installed screws have a sufficient length and are locked. Projections of the screws are visible (projection at least 2 convolutions).	<input type="checkbox"/>	<input type="checkbox"/>
A09	All screwed connections are secured against detachment.	<input type="checkbox"/>	<input type="checkbox"/>
A10	Cables must be laid on the supports according to the specifications in the suggestion for cable arrangement. (see order-related technical documentation).	<input type="checkbox"/>	<input type="checkbox"/>
A11	Loop lengths of the cables comply with the specifications of the order-related technical documentation. The permissible deviation in length is <b><math>\pm 50</math> mm.</b>	<input type="checkbox"/>	<input type="checkbox"/>
	<b>Actual value</b> _____		

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Controls at the inoperative system		O.K.	not O.K.
A12	Cables are installed free of twists.	<input type="checkbox"/>	<input type="checkbox"/>
A13	Cables have not been damaged during transport or assembly.	<input type="checkbox"/>	<input type="checkbox"/>
A14	Cables are correctly mounted on the supports, so that the cable trolley runs horizontally on the track beam (balance of torques of the cables on the right and left support). Cable clamp tightened, so that the cables cannot be pulled out manually, but are not squeezed either?	<input type="checkbox"/>	<input type="checkbox"/>
A15	Cable ends (installation lengths) are sufficiently strain-relieved and arranged on the end or towing trolley side with the correct length.	<input type="checkbox"/>	<input type="checkbox"/>
A16	Cable clamps (round and flat cable clamps) in the loops are mounted at the same height according to the order-related documentation (system sketch) with the necessary offset. The permissible deviation in height is <b>±150 mm</b> .	<b>setpoint value</b> _____	<input type="checkbox"/>
A17	Special attachment parts, such as spacers, additional clamping pieces, guide rings are mounted according to the order-related technical documentation.	<input type="checkbox"/>	<input type="checkbox"/>
A18	Length of the installed towing ropes per cable loop are in accordance with the order-related technical documentation. The permissible deviation in length is <b>±50 mm</b> .	<b>setpoint value</b> _____	<input type="checkbox"/>
A19	Shackles for fixation of the towing ropes are mounted free to move as specified.	<input type="checkbox"/>	<input type="checkbox"/>
A20	Shackles for the fixation of the towing ropes are lubricated as specified.	<input type="checkbox"/>	<input type="checkbox"/>

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<b>Controls at the inoperative system</b>		<b>O.K.</b>	<b>not O.K.</b>
A21	The number of the installed shock cords is in accordance with the order-related technical documentation.	<input type="checkbox"/>	<input type="checkbox"/>
A22	The length of the installed shock cords per cable loop is in accordance with the order-related technical documentation. The permissible deviation of the length is <b>±50 mm</b>	<input type="checkbox"/>	<input type="checkbox"/>
A23	Towing ropes and shock cords are mounted free of twists.	<input type="checkbox"/>	<input type="checkbox"/>
A24	Inspection of the steel construction at the maintenance platform for collision-free entrance of the festoon system. No catching, jamming of cables, towing ropes and shock cords.	<input type="checkbox"/>	<input type="checkbox"/>
A25	Track beam for festoon system is mounted in a straight position in alignment with the crane beam according to the requirements on tolerance.	<input type="checkbox"/>	<input type="checkbox"/>
A26	Horizontal and vertical deviation of the track beam is in alignment to the crane track according to the respective operating instructions BAL0300-0001/ BAL0300-0006 <b>Setpoint value ±7,5 mm</b>	<input type="checkbox"/>	<input type="checkbox"/>
A27	Actual value _____ Joints of the track beam are without vertical or lateral offset according to the operating instructions BAL0300-0001/ BAL0300-0006	<input type="checkbox"/>	<input type="checkbox"/>
A28	Welded joints of the track beam are ground evenly on all roller surfaces, according to the operating instructions BAL0300-0001/ BAL0300-0006	<input type="checkbox"/>	<input type="checkbox"/>
A29	Track beam at the boom hinge (e.g. at STS cranes) is realized and ground according to the requirements on tolerances, see operating instructions BAL0300-0001/ BAL0300-0006	<input type="checkbox"/>	<input type="checkbox"/>

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<b>Controls at the system in operation with 10% main trolley speed: Direction of movement forward from the cable trolley storage/end clamp side into the direction of the towing trolley side until the festoon is completely extended. Direction of movement backward from the towing trolley side into the direction of the cable trolley storage/end clamp side up to the final position.</b>		O.K.	not O.K.
B01	Enough room between cable trolley and crane construction over the complete distance, so that collision with cable trolleys or attachment parts can be avoided.	<input type="checkbox"/>	<input type="checkbox"/>
B02	Track beam at the boom hinge without any offset, cable trolleys run smoothly over.	<input type="checkbox"/>	<input type="checkbox"/>
B03	Control of the cable loops at the max. extended festoon is in accordance with the order-related technical documentation.	<input type="checkbox"/>	<input type="checkbox"/>
<b>Control at the system in operation with 50% main trolley speed: Direction of movement forward from the cable trolley storage/end clamp side into the direction of the towing trolley side until the festoon is completely extended. Direction of movement backward from the towing trolley side into the direction of the cable trolley storage/end clamp side up to the final position.</b>			
C01	Enough room between cable trolley and crane construction over the complete distance, so that collision with cable trolleys or attachment parts can be avoided.	<input type="checkbox"/>	<input type="checkbox"/>
C02	Track beam at the boom hinge without any offset, cable trolleys run smoothly over.	<input type="checkbox"/>	<input type="checkbox"/>
C03	Control of the cable loops at the max. extended festoon is in accordance with the order-related technical documentation.	<input type="checkbox"/>	<input type="checkbox"/>

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<b>Control at the system in operation with 100% main trolley speed:</b> Direction of movement forward from the cable trolley storage/end clamp side into the direction of the towing trolley side until the festoon is completely extended. Direction of movement backward from the towing trolley side into the direction of the cable trolley storage/end clamp side up to the final position.		O.K.	not O.K.
D01	Enough room between cable trolley and crane construction over the complete distance, so that collision with cable trolleys or attachment parts can be avoided.	<input type="checkbox"/>	<input type="checkbox"/>
D02	Enough room between cable trolley and crane construction over the complete distance, so that collision with cable trolleys or attachment parts can be avoided.	<input type="checkbox"/>	<input type="checkbox"/>
D03	Control of the cable loops at the max. extended festoon is in accordance with the order-related technical documentation.	<input type="checkbox"/>	<input type="checkbox"/>
<b>Controls at the system in operation in operating mode more than 30 minutes.</b>			
E01	Enough room between cable trolley and crane construction over the complete distance, so that collision with cable trolleys or attachment parts can be avoided.	<input type="checkbox"/>	<input type="checkbox"/>
E02	Enough room between cable trolley and crane construction over the complete distance, so that collision with cable trolleys or attachment parts can be avoided.	<input type="checkbox"/>	<input type="checkbox"/>
E03	Control of the cable loops at the max. extended festoon is in accordance with the order-related technical documentation.	<input type="checkbox"/>	<input type="checkbox"/>
<b>Documentation</b>		<input type="checkbox"/>	<input type="checkbox"/>
F01	Order-related documentation, such as technical data, system sketch, cable arrangement proposal, round cable / flat cable clamp assignment available at the customer and complete.	<input type="checkbox"/>	<input type="checkbox"/>
F02	Operating instructions BAL0300-0001 respectively BAL0300-0006 available.	<input type="checkbox"/>	<input type="checkbox"/>

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Notes / others
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# Final Acceptance Protocol

## Festoon Systems for I-beam

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<b>Operator:</b>	<b>Purchase order No.:</b>	
	<b>Order confirmation No.:</b>	
	<b>Name of installation:</b>	

All technical arrangements as well as the scope of delivery are in accordance with the order confirmation and are fulfilled. The machine is considered as approved with the possible reservation of the following items.

The technical arrangements have not yet been fulfilled concerning the following items:

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<b>Wampfler AG</b>		<b>Customer</b>	
Authorized for commissioning		Authorized for approval	
Date	Signature	Date	Signature