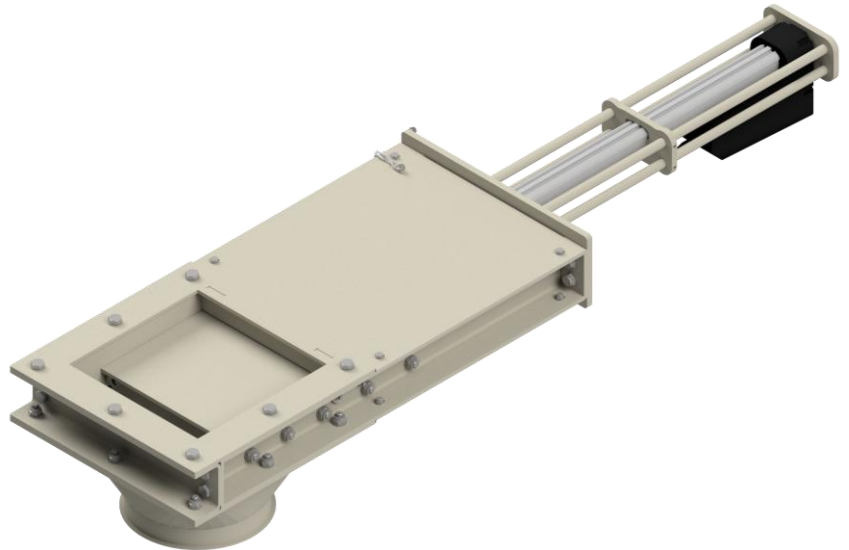


EN- Technical data sheet

Silo outlet gates, electrically operated, linear actuator

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Article code

20	2	1	776
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①

②

③

④

①

Diameter

15	DN 150
17	DN 175
20	DN 200
...	
30	DN 300

②

Thickness

2	2.0 mm
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③

Surface

1	1.0330, powder-coated
2	1.0330, hot-dip galvanized
3	1.4301, shot-blasted

④

Article group

776	Silo outlet gates, electric, linear actuator
7761	Silo outlet gates, electric, linear actuator with transition piece

1 Technical data

Area of application and use	For the discharge of free-flowing, granular and powdery bulk materials from silo containers. Only suitable for pressureless conveying. The actuation time depends on the drive. <i>(see table 1.1 Actuation, p.3)</i>
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Connection	
Inlet	Customer-side counter flange required according to hole pattern <i>(see inlet flange dimension table, p.6)</i>
Outlet	With transition piece: One side with shaped flanged edge for clamping ring connection Without transition piece: Customer-side counter flange required <i>(see outlet flange dimension table, p.7)</i>

Materials	
Transition piece	According to article number 1.0330 (DC01) or 1.4301 (X5CrNi18-10) in specified material thickness
Case	Made of 1.0038 (S235JR) or 1.4301 (X5CrNi18-10) in thickness t = 5 mm
Gates and connection flanges	Made of 1.0038 (S235JR) or 1.4301 (X5CrNi18-10) in thickness t = 6 mm
Seal	1.0330: Sealing strip made of felt RG36, white 1.4301: Sealing strip made of silicone, 60 ±5 Shore A

Surfaces and temperature			
	Powder Coating (1.0330)	Hot-dip galvanizing (1.0330)	Stainless Steel Shot Blasting (1.4301)
Surface treatment	Standard colour: RAL 7032 ("pebble grey"); smooth, satin-gloss, electrostatically dissipative; Food physiologically harmless; Average layer thickness: 30 - 60 µm	Average layer thickness: 45 - 55 µm	Surface roughness Ra: 1.3 µm
Ambient temperature	-20°C to +85°C <i>(from +80°C impairment of the appearance is to be expected)</i>	-20°C to +85°C	-20°C to +85°C
Product temperature*	-20°C to +80°C	-20°C to +80°C	-20°C to +100°C

**Note: If product temperatures exceed 50°C, the manual control or drive must be insulated against heat conduction on site.*

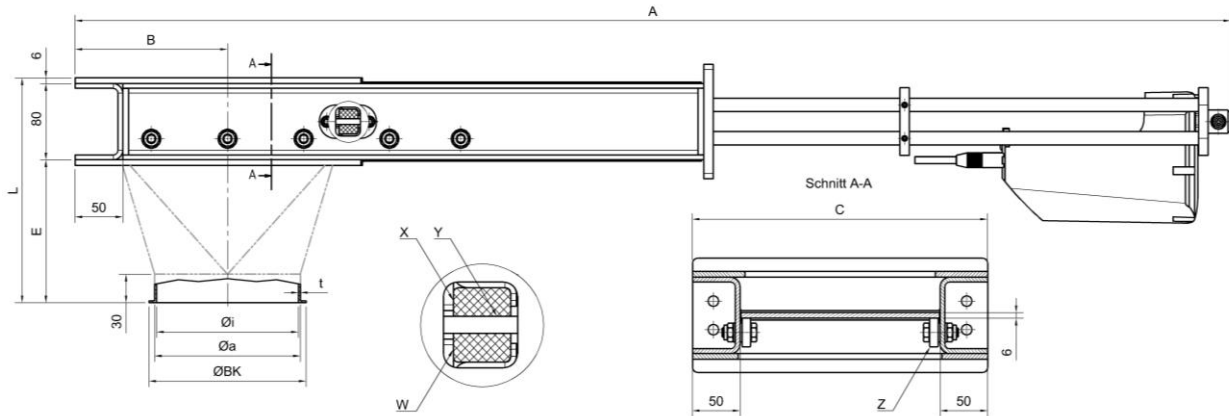
1.1 Actuation

Electric linear actuator	
Voltage	24V DC
Make	LINAK
Series	LA33
Type	3315040000003B1A=11BC4A0200610
Stroke	400mm
Forces	max. 2,250N
Actuation time	21mm/s
Manual operation	Manual hand crank
Noise level	73 dB
Duty cycle	20%
Degree of protection	IP66
Ambient temperature	-40°C to +85°C
Platform	IC – Integrated Control
IC- Type	IC Advanced (with BusLink)
Electrical Connection	Supply and signal cables (each 5 meters long) With open wire ends (signal cable with FASTIN FASTON AMP)

2 Dimensions

Dimensions Table Silo outlet gate

pictured version: DN 200



X= Sealing strip made of felt/silicone

Y= Gate

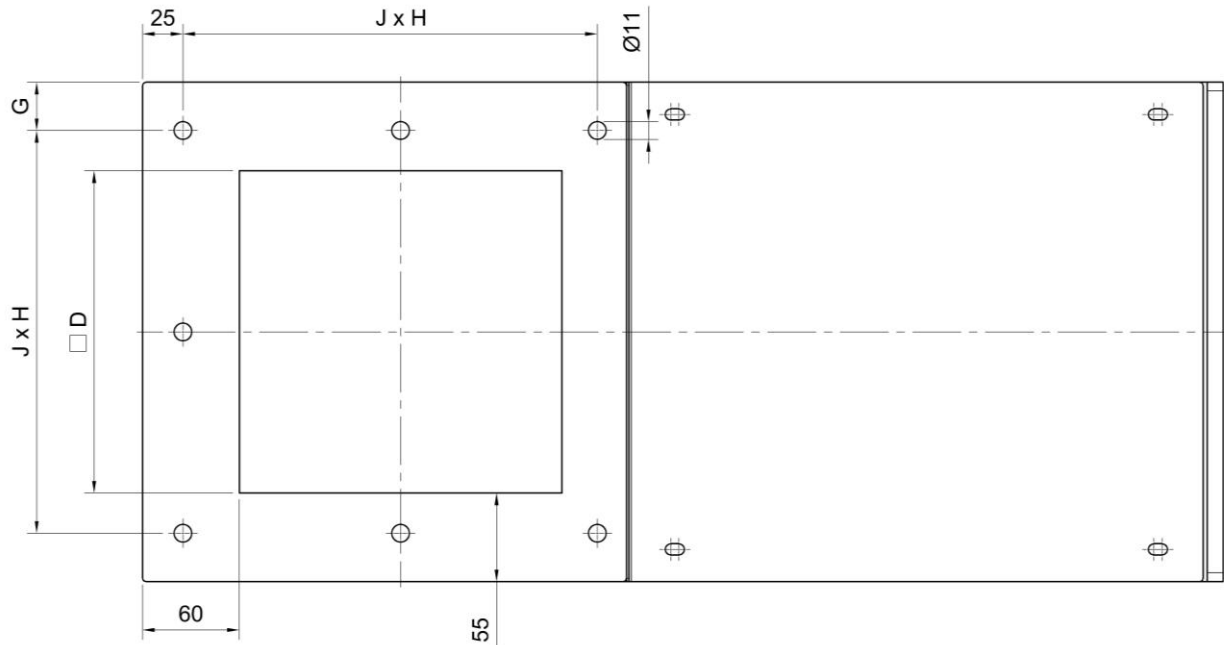
Z= Deep groove ball bearings

DN	t [mm]	Øi [mm]	Øa [mm]	ØBK [mm]	A [mm]	B [mm]	C [mm]	E [mm]	L [mm]	m* [kg]
150	2	149	153	165	1285	160	310	150	236	38,8
175		174	178	190	1285	160	310	150	236	39,4
200		199	203	215	1385	185	360	150	236	45,2
250		249	253	265	1475	210	410	150	236	51,7
300		299	303	315	1565	235	460	150	236	55,6

**Note: Weight indication including transition piece*

Inlet flange dimension table

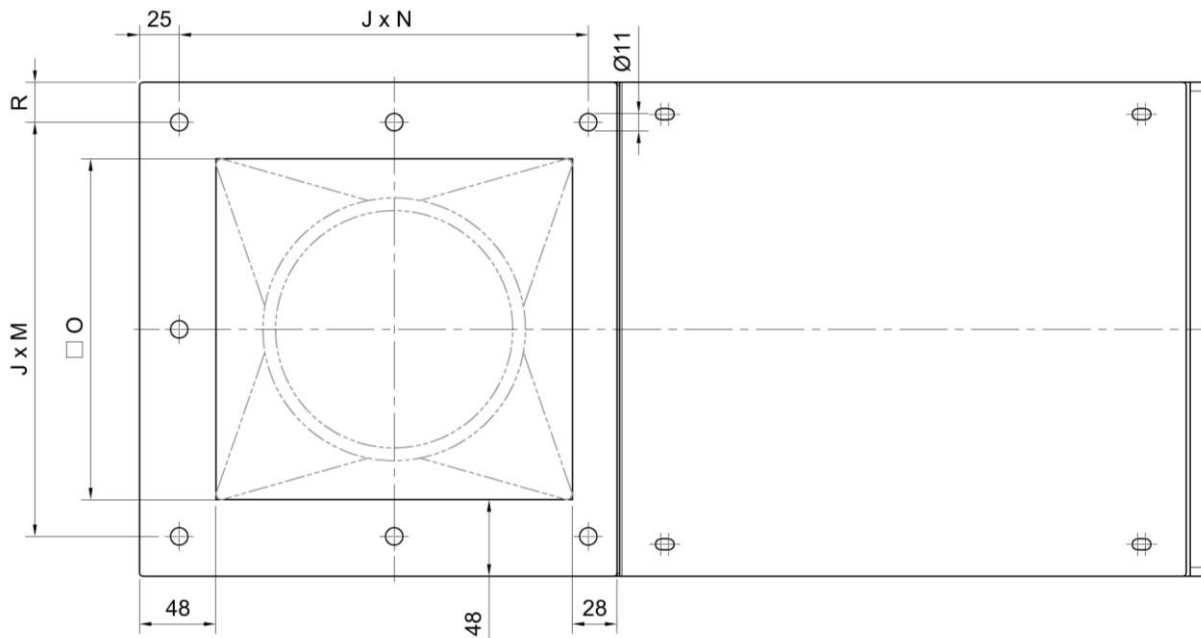
pictured version: DN 200



DN	t [mm]	D [mm]	G [mm]	J x H [mm]
150	6	200	30	2 x 125
175		200	30	2 x 125
200		250	30	2 x 150
250		300	30,1	3 x 116.6
300		350	25	4 x 102.5

Outlet flange dimension table

pictured version: DN 200



DN	t [mm]	O [mm]	R [mm]	J x M [mm]	J x N [mm]
150	6	214	25	2 x 130	2 x 115
175		214	25	2 x 130	2 x 115
200		264	25	2 x 155	2 x 140
250		314	20,5	3 x 123	3 x 116.6
300		364	25	4 x 102.5	4 x 102.5

Tolerances

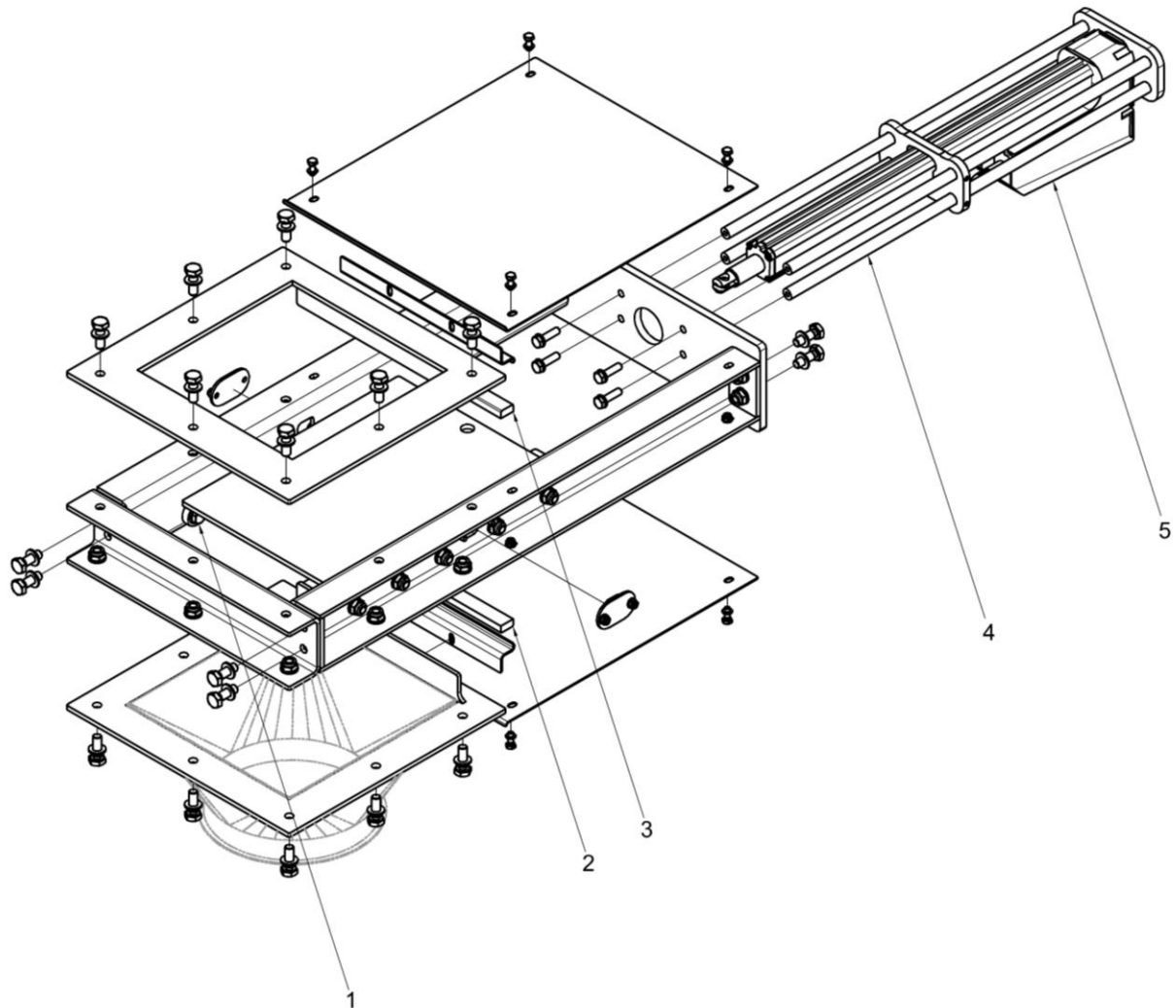
Pipe diameter and roundness according to DIN EN 10296-1:2004
Length and angular dimensions according to DIN ISO 2768-v (very coarse)
Lips: 6 mm ± 1mm

3D-Models

All 3D-models are available for download in our [CAD portal](#) in the common file formats.

3 Spare parts list

Exploded view



No.	Naming	Quantity	DN 150 – DN 300	
			1.0330	1.4301
1	DN 150 - DN 175: Deep groove ball bearings (SS-6200-2RS)	10	SO0131457	
1	DN 200 - DN 300: Deep groove ball bearings (SS-6200-2RS)	12	SO0131457	
2	Sealing strips (made of felt/silicone)	1	SO0111060	SO0131436
3	Sealing strips (made of felt/silicone)	1		SO0131435
4	Mounting bracket	1	SO0121890	
5	Linear actuator (3315040000003B1A=11BC4A0200610)	1	SO0127692	