

EN- Technical data sheet

Sickle gate

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Article code

20	2	1	040
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Diameter

08	DN 80
10	DN 100
12	DN 120
...	
30	DN 300

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Thickness

1	1.5 mm
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Surface

1	1.0330, powder-coated
2	1.0330, electro-galvanized

④

Article group

040	Sickle gate
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1 Technical data

Area of application and use	Control of free-flowing, powdery or granular bulk materials within gravimetric, inclined conveyor lines. Gate opening from bottom to top.
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Connection	Both sides with flanged edges (<i>lips</i>) for clamping ring connections.
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Materials	
Case and gate	According to article number 1.0330 (DC01) or 1.4301 (X5CrNi18-10) in specified material thickness

Surfaces and temperature		
Surface treatment	Powder Coating (1.0330)	Electro Galvanizing (1.0330)
	Standard colour: RAL 7032 ("pebble grey"); smooth, satin-gloss, electrostatically dissipative; Food physiologically harmless; Average layer thickness: 30 - 60 µm	Average layer thickness: 8 – 12 µm
Ambient temperature	-20°C to +120°C <i>(from +80°C impairment of the appearance is to be expected)</i>	-20°C to +80°C <i>(possible for short periods up to max. +120°C)</i>
Product temperature*	20°C to +120°C <i>(from +80°C impairment of the appearance is to be expected)</i>	-20°C to +80°C <i>(possible for short periods up to max. +120°C)</i>

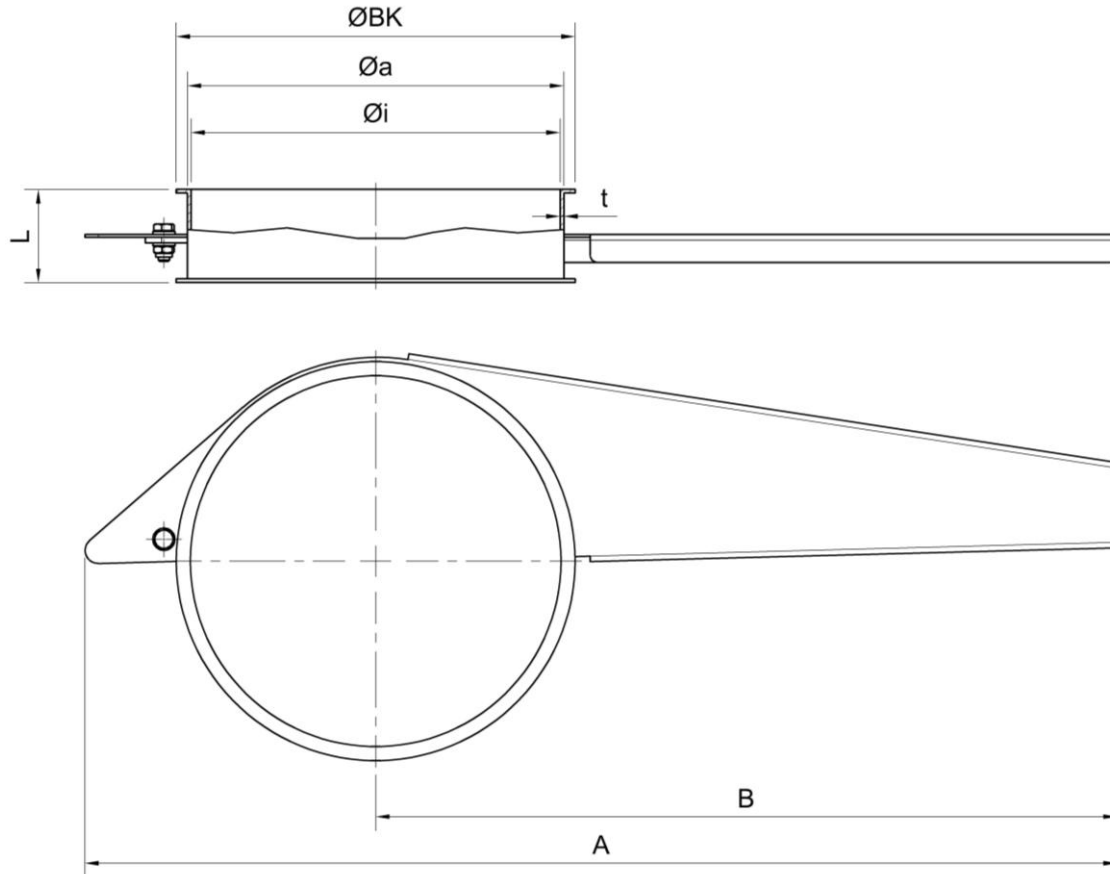
Actuation	Gate for manual, infinitely variable control
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**Note: If product temperatures exceed 50°C, the manual control or drive must be insulated against heat conduction on site.*

2 Dimensions

Dimension table

pictured version: DN 200



DN	t [mm]	Øi [mm]	Øa [mm]	ØBK [mm]	A [mm]	B [mm]	L [mm]	m [kg]
100	1,5	99,5	102,5	114,5	270	175	50	0,5
120		119,5	122,5	134,5	283	177,5		0,6
150		149,5	152,5	164,5	330	205		0,8
175		174,5	177,5	189,5	530	385		1,2
200		199,5	202,5	214,5	553	398		1,3
250		249,5	252,5	264,5	603	423	70	1,9

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 ± 1 mm

3D-Models

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