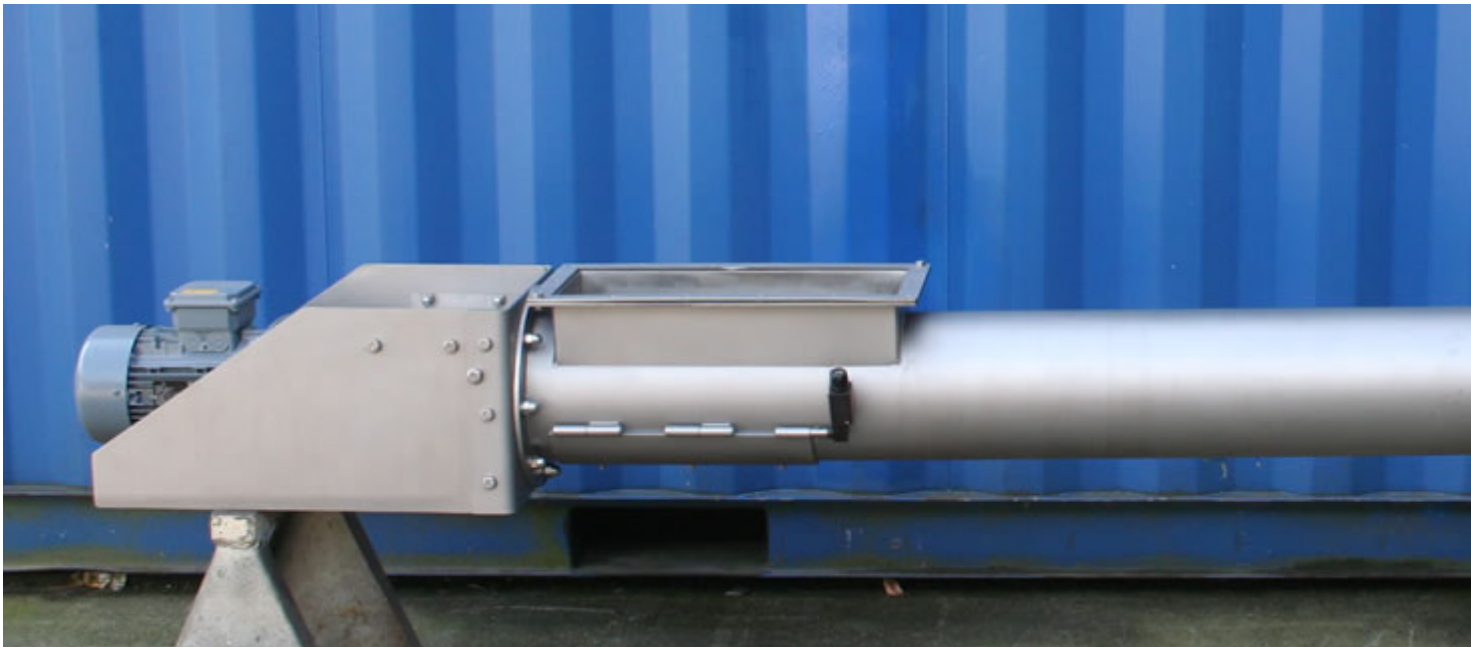


TUBULAR SCREW CONVEYORS

TUBULAR SCREW CONVEYORS FOR HORIZONTAL AND UPWARD TRANSPORT

Tubular screw conveyors from PAUL GROTH can transport floury, grainy and lumpy bulk materials. Like our trough screw conveyors, tubular screw conveyors can also perform other tasks such as dosing, wetting, mixing and crushing.

Starting with our standard modular-system we adapt the tubular screw conveyor to the product properties, the installation option and the process requirements.



[1]

Brief description of tubular screw conveyors

Motor bracket with geared motor and flexible coupling

Tubular screw conveyors made of steel: outside painted and inside untreated, or hot-dip galvanised

Tubular screw conveyors made of stainless steel: bath pickled or with hand-pickled weld seams, outside glass-bead blasted on request

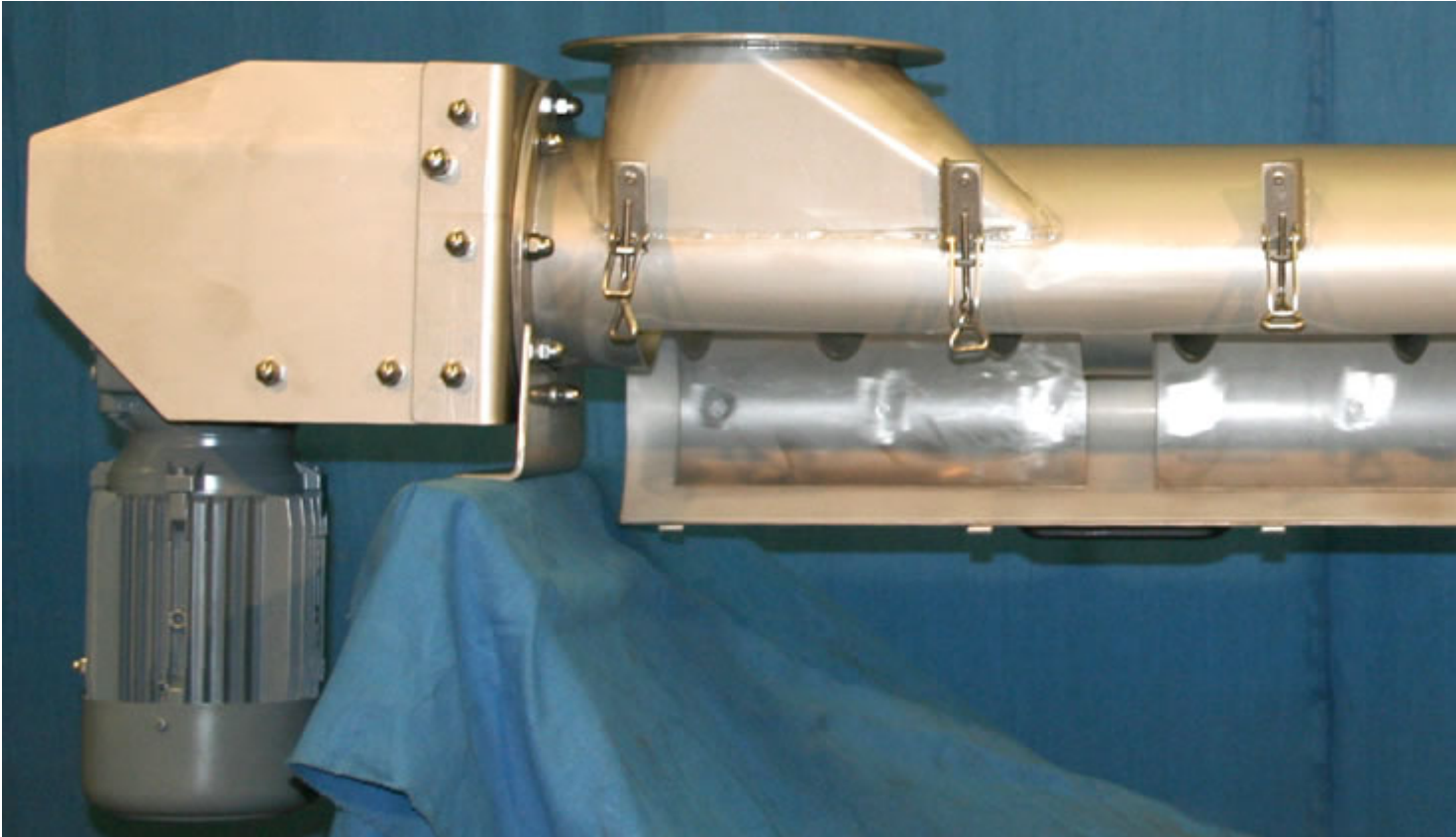
Screw thread made of highly wear-resistant steel too

Tubular screw conveyor sizes and technical data

Tubular screw conveyors		RS100	RS125	RS170	RS220	RS270	RS320	RS400
Jacket diameter	mm	102	128	168	219	273	324	406

Thread diameter	mm	87	110	150	200	250	300	380
Intended JACOB pipework Ø	mm	150	150	150/200	200	250	250	-
Capacity example depending on product properties and the intended processing								
Grain 0.75 t/m ³								
Inclination 0°	t/h	7	10	30	60	85	115	150
Inclination 30°	t/h	5.5	8	25	50	70	95	120
Inclination 45°	t/h	5	7	20	45	65	85	110
Inclination 60°	t/h	4	5	15	35	50	65	85
Powder 0.5 t/m ³								
Inclination 0°	t/h	3.5	5	15	25	40	55	95
Inclination 30°	t/h	2.8	4	12	20	32	45	75
Inclination 45°	t/h	2.4	3.5	10	18	28	38	65
Inclination 60°	t/h	2	2.7	8	13	22	30	50
Material thicknesses								
Jacket (stainless steel)	mm	2.2(2.0)	3.2 (2.0)	3.6 (3.0)	4.5 (3.0)	5.0 (3.0)	5.6 (3.0)	5.6 (4.0)
Thread inner/outer								
Steel	mm	-	-	3/1.6	6/3	6/3	6/3	8/8
Stainless steel	mm	-	-	3/1.6	3.5/1.7	-	-	-
Screw flights								
Steel	mm	3	3	5	5	5	5	6
Stainless steel	mm	3	3	3	3	4	4	5

Tubular screw conveyor with hinged bottom and round inlet



[2]

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[3] <https://paul-groth.com/en/tags/conveying-technology>

[4] <https://paul-groth.com/en/tags/screw-conveyors>

[5] <https://paul-groth.com/en/tags/tubular-screw-conveyors>