

KISSLING
revolution with gears



SPECIAL GEARS

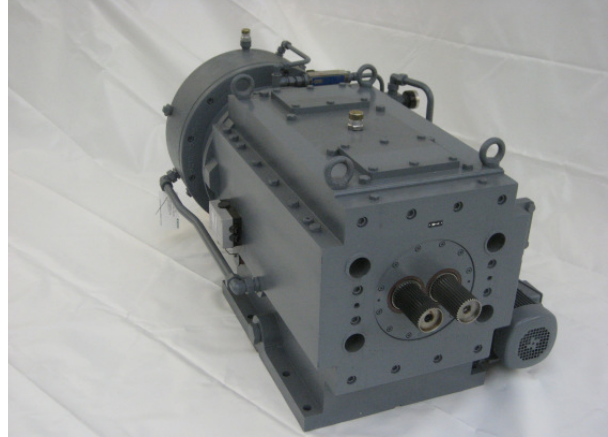
EXTRUDER SERIES

Kissling – The Gear Company
Since 1925

Kissling Extruder Gears

Kissling Ltd has been developing designing and producing reduction gears for the most varied applications since 1925. All Products are characterised by the high quality materials and production to be expected from a Swiss company. The use of the most modern engineering and production technologies guarantees a high level of flexibility and efficient deliveries.

Kissling was one of the pioneers in developing the ZSK twin screw extruder drives for plastic and foodstuff extrusion (with the EX-series of gears specially developed for this purpose). In cooperation with leading plant construction firms, compact gear units were developed which are capable of transferring high torques with shafts featuring relatively small cross-sections and, thanks to optimum arrangement of the tandem bearings, can withstand incredibly high axial forces at the same time. The Kissling portfolio also includes specially developed solutions for single-shaft extruders and kneaders.



The company KISSLING manufactures special gears for co-rotating twin screw extruder. The newest generation impresses not only by its performance data but also by its compact design.

Technical characters

- Torque / shaft 0.2 - 14 kNm
- Axial load / shaft 24 - 370 kN
- Center distance 36 - 141 mm

Extract of some Kissling gearbox models for Co-rotators:

Screw diam. [mm]	Kissling gearbox	Axe distance	Torque per shaft [Nm]	Thrust load per shaft [kN]	Max. allow. output speed [rpm]	Dimensional Drwg.
70	EX-58.5/165	58.5	1750	60	450	B-05986.2
	EX-58.5/165 HT	58.5	2400	60	400	B-05972.1
91	EX-76 /210	76	3850	156	350	B-05929.2
	EX-76/280 HT	76	5000	156	450	B-05957.3
125	EX-97/D-182	97	5850	175	450	B-05961.3
	EX-101/280	101	5750	170	300	B-05265.1
	EX-101/240 LT	101	4100	184	800	B-06234.0
	EX-101/315 HT	101	7800	368	800	B-06035.2
133	EX-110/280	110	6000	170	300	B-05953.3
	EX-110/325 HT	110	11600	326	300	B-06200.0
160	EX-124/325 HT	124	14325	280	400	B-06038.0
175	EX-141/325	141	13390	260	300	B-05482.2

Notes: max allowable input speed is 1750 rpm
 HT – High Torque
 LT – Low Torque
 Bearings calculated for minimum lifetime of 20'000 working hrs

