

Your specialist for

spindle drives

planetary gearboxes

test bench gearboxes

spur gearboxes

bevel gearboxes

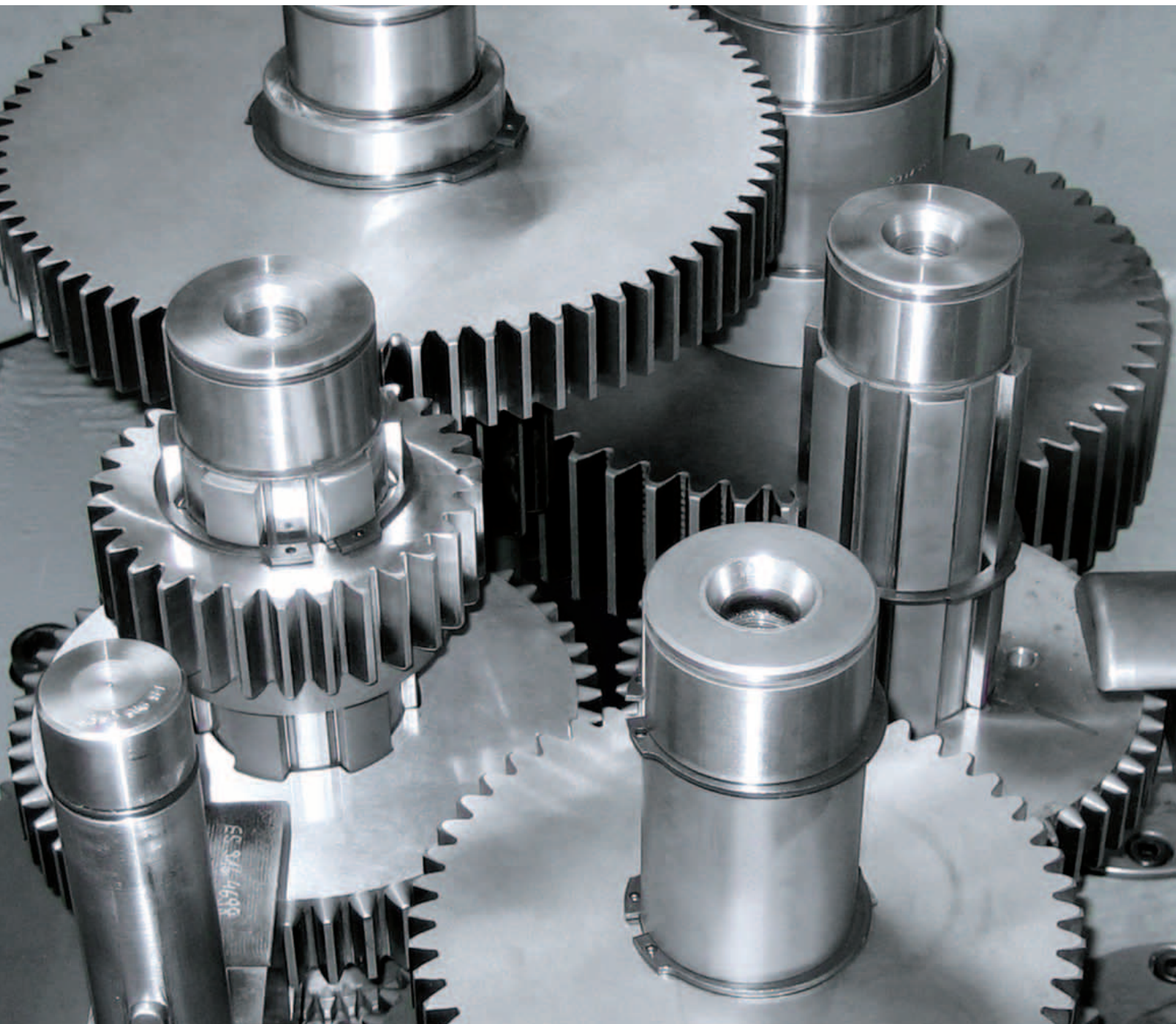
helical bevel gearboxes

extruder gearboxes

gearboxes for special
applications

drive elements

 **RSGetriebe**



certified to
ISO 9001:2008
ISO 14001:2004 + Cor 1:2009

Extruder gearboxes

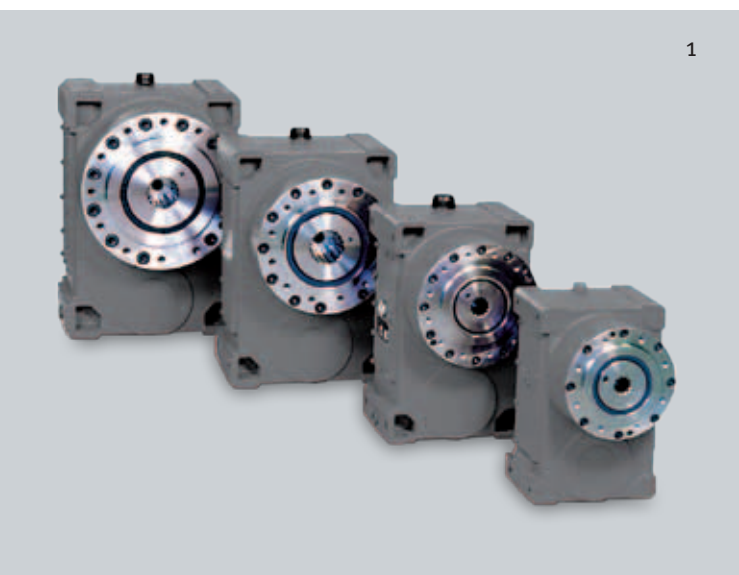
Precise gearbox solutions – we are one of the few companies to offer standardized gearboxes for extrusion, plastics and recycling plants with torques of more than 100,000 Nm mounted in anti-friction bearings.

FEX-type series – the flat extruder gearboxes, available in Z and U constructions, are designed and produced especially for the extrusion applied in the plastics industry as well as at recycling

plants. The gearboxes stand out due to their high power density and compact design. The type series range from a distance between axes of 125 mm up to 630 mm. The torques of these construc-

tions are arranged for a spectrum of 420 – 55,000 Nm with freely selectable gear ratio. Optionally the gearboxes can be equipped with engine casing, coupling and oil/water cooler.

	FEX 125	FEX 160	FEX 200	FEX 250	FEX 280	FEX 320	FEX 360	FEX 420	FEX 480	FEX 560	FEX 630
AAAA - Ø	16 - 25	25 - 35	35 - 45	45 - 65	- 70	- 80	- 90	- 110	- 130	- 160	-190
P ₁ in kW	8	16	28	50	65	90	120	150	250	370	510
n ₁ (rpm)	3,000	3,000	3,000	3,000	2,800	2,400	2,400	2,200	1,800	1,600	1,400
M ₂ in Nm	420	900	1,600	3,200	4,500	6,800	9,800	16,000	24,000	37,000	55,000
thrust bearing	89308	29412E	29414E	29418E	29422E	29424E	29428E	29432E	29440E	29444E	29452E
C _{dyn} in kN	122	345	449	702	1,010	1,170	1,400	1,790	2,760	2,880	3,510
Standard i	10 12.5 16 20										



1



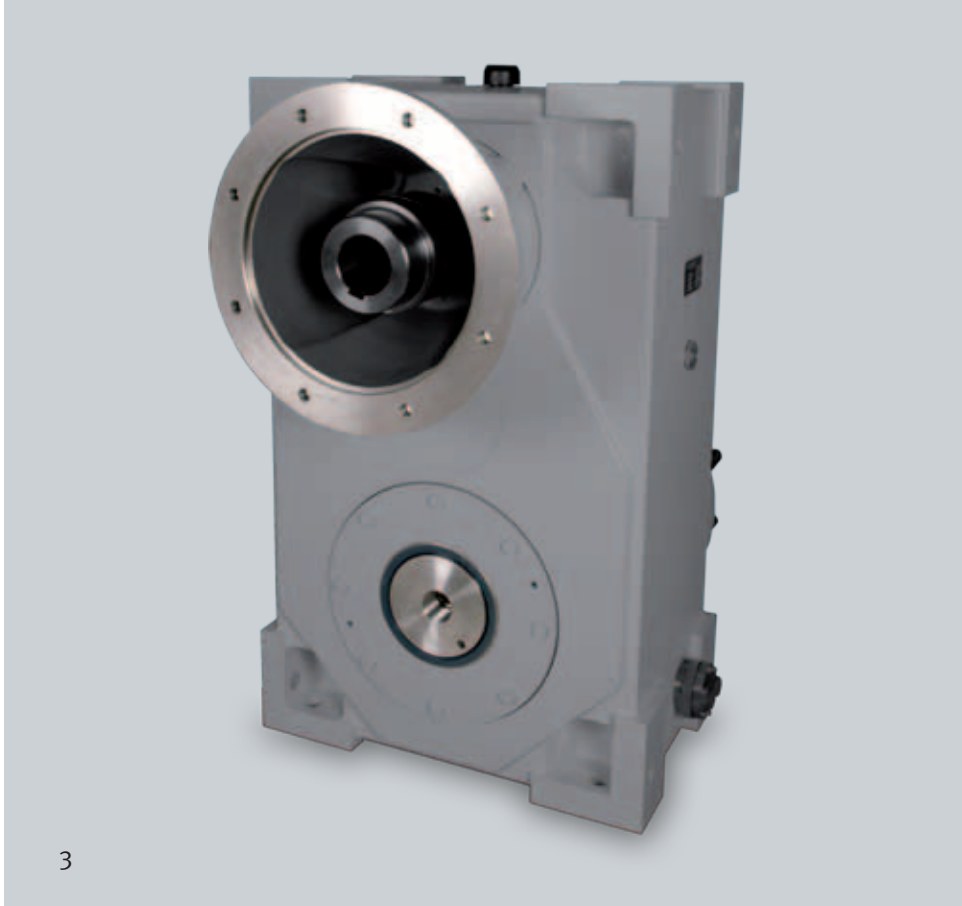
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- 1 FEX-gears, Z construction
- 2 FEX-gears, U construction

Application areas – flat extruder gearboxes FEX for extrusion and recycling plants in the plastics industry.

Extruder gearboxes

Quality and Precision



3 FEL-gearboxes

Application areas – flat extruder gearboxes FEL for extrusion and injection-molding in the plastics industry.

AAA - Ø	- 190
P ₁ in kW	- 550
M ₂ in Nm	100,000 Nm
i	on demand, multi-stage
construction	Z and U
fitting position variable	



4 Twin screw extrusion

Application areas – the tailor-made twin screw extrusions are the optimal components for the plastic and food industry.

FEL-type series – The RS flat extruder gearboxes of the FEL-type series are based on the construction of the FEX-type series. The housing type is adaptable to the application concerning its length. In single cases the gear ratio

levels are delivered with intermediate gears. The gearboxes are already in use in several application areas in the form of helical bevel gear or worm gear units. The gearboxes are mainly applied in the injectionmolding industry.

Quality and precision – certified to ISO 9001:2008 and ISO 14001:2004 we are able to guarantee precise high quality special gears and drive elements.

We develop and produce gear solutions for many different industries in Sonthofen.

Our customers include manufacturers of machine tools, plastic and rolling machines as well as developers of food and packing machines, test benches and textile machines. But our high quality drives are also suitable

for use in building, printer and paper machinery as well as in the chemical industry.

A high quality, state of the art machine park and absolute care in assembly form the best basis for your and our success.

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