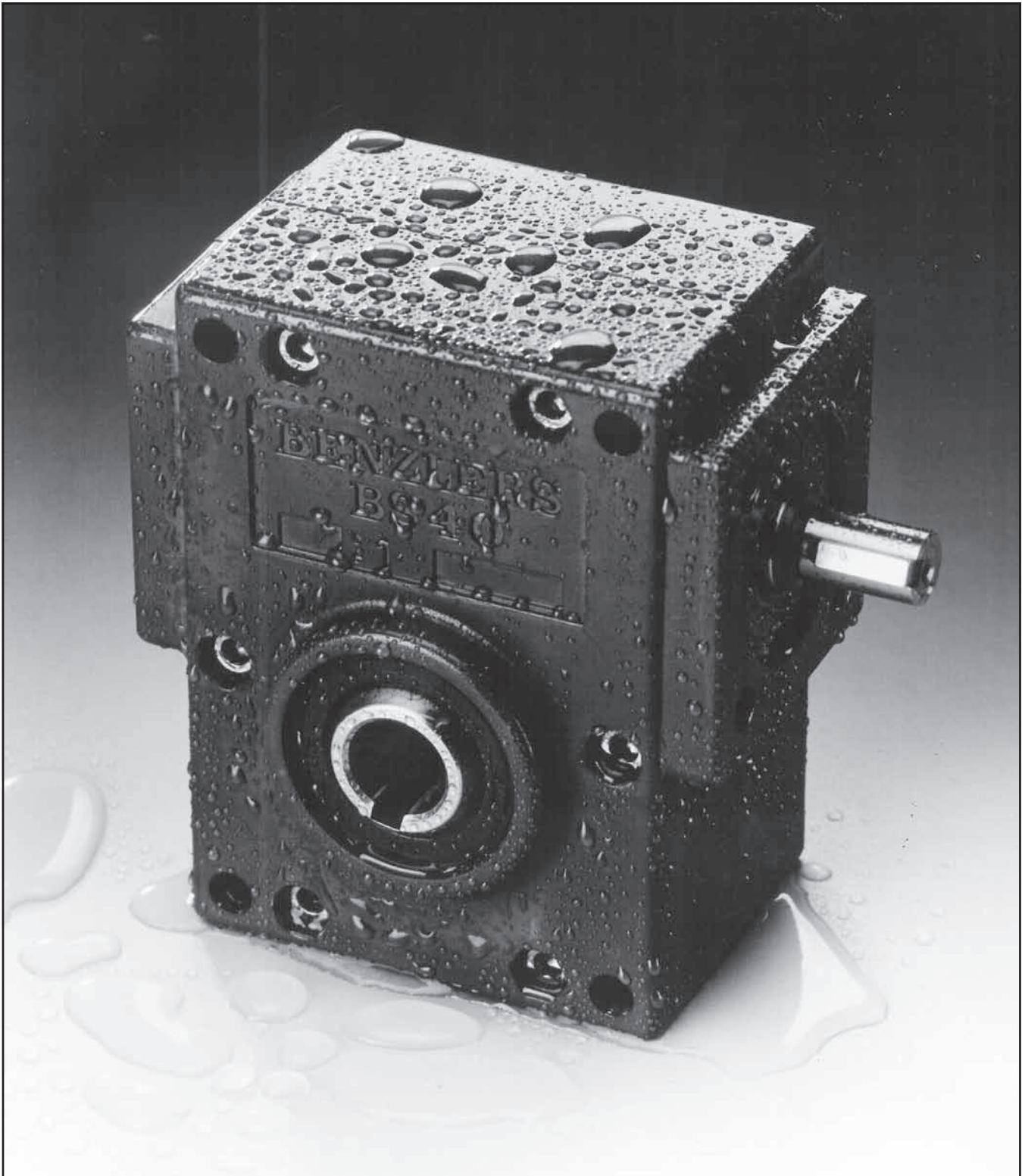


SERIES BS

WORM GEAR

WITH ENVIRONMENTAL CLASSIFICATION

With BS (size 40-71) classified acc to environmental class we are able to recommend the gears for installation in ambient conditions where normally only materials in stainless steel are accepted. The gears are classified acc to environmental class M2-M3, Swedish standard stBK-N4.



SERIES BS

WORM GEAR

WITH ENVIRONMENTAL CLASSIFICATION

Advantages:

- No corrosion
- Low weight (aluminium)
- High rating
- IEC-standard
- High surface finish
- Modern design
- No maintenance
- Easy handling
- Large number of motor alternatives

Product specification

- coated gear case, flanges and feet
- stainless steel bolts in gear housing
- stainless steel hollow shaft (SS 2346 alt. 2382)
- stainless steel output shaft
- surface for seal ring protected by stainless steel sleeve (SS 2333)
- Seal rings of viton
- ratings acc to catalogue
- high resistance against corrosion
- very hard and resistant against wear
- low tendency to be sticky
- hygienic

Application examples

- food industry
- paper and cellulose industry
- pharmaceutical industry
- chemical industry
- defence industry
- marine and mobile installations
- all outdoor installations

Type of coating

The coating is a recently developed surface coating method for aluminium.

The coating means that the material surface is, by a chemical process, converted into an aluminium oxide, which gives a very hard, ceramic, surface finish.

The oxide layer is then impregnated and coated with plastic. With heat treatment a very strong and resistant connection between oxide and plastic is created.

Unique coating qualities:

Gear		BS 40	BS 50	BS 63	BS 71
Catalogue rating, Nm	max	78	120	197	315
	min	31	62	92	143
Output speed, rpm	max	429	358	369	381
	min	9	9	7	7
Max static load, Nm		93	150	250	400
Radial force on output shaft, N		2000	2700	4000	5000
Thrust load on output shaft, N		2000	2500	3500	4500