





# **PBZ**



# Mid-Heavy Duty gearboxes

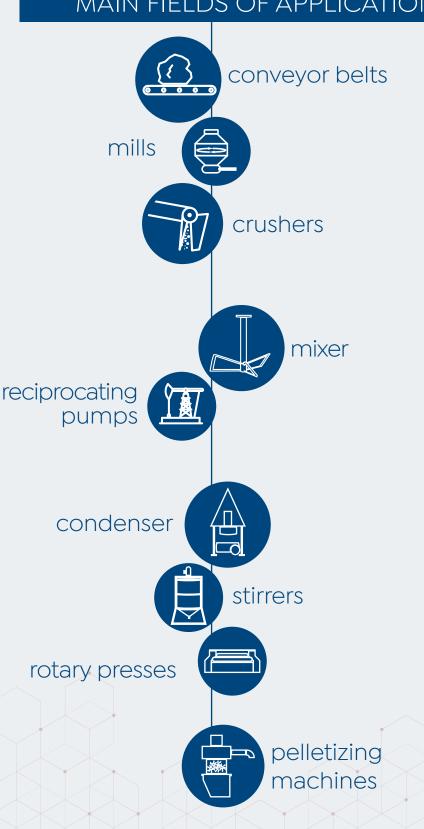


## SOLUTIONS FOR THE MID-HEAVY **DUTY INDUSTRY**



**PBZ** 





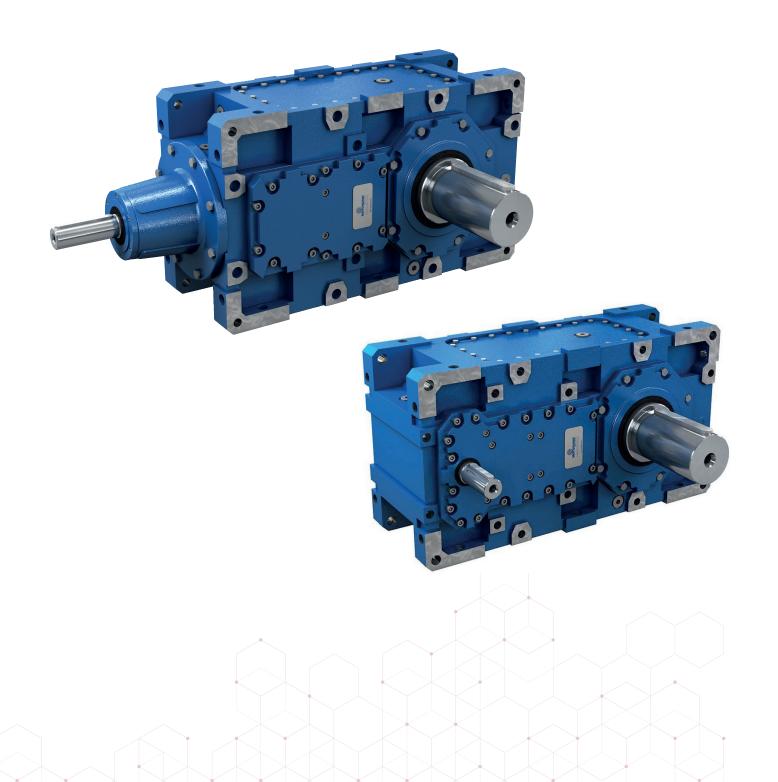




#### CONTINUOUS SERVICE WITH REDUCED MAINTENANCE COSTS

The Motovario PBZ series consists of parallel helical and bevel-helical gear reducers up to 4 reduction stages, characterised by high power density, compact size, modularity, reliability and a favourable performance/sturdiness ratio.

These industrial gear reducers have been conceived and designed for continuous, critical and particularly arduous applications requiring a high number of accessories, as well as dedicated options for specific fields: PBZ units perfectly meet all these needs, fully satisfying the heavy-duty industry world.



#### **RANGE**

			ratio i	
	output shaft diameter (mm)	Mn2 (Nm)	min	max
PZ 179	100	9000	6,37	86,2
PZ 199	110	11000	7,91	107
PZ 219	120	19000	6,28	318
PZ 249	130	24000	7,96	403
PZ 269	140	29000	6,44	339
PZ 279	160	36000	7,96	419
PZ 319	170	55000	6,33	314
PZ 349	180	70000	8,14	404
PZ 399	200	90000	6,62	319
PZ 409	220	110000	8,01	386

			ratio i		
	output shaft diameter (mm)	Mn2 (Nm)	min	max	
BZ 179	100	9000	13,3	69,8	
BZ 199	110	11000	16,5	86,6	
BZ 219	120	19000	12	323	
BZ 249	130	24000	15,3	410	
BZ 269	140	29000	12,3	348	
BZ 279	160	36000	15,3	431	
BZ 319	170	55000	12,1	320	
BZ 349	180	70000	15,6	412	
BZ 399	200	90000	12,7	327	
BZ 409	220	110000	15,4	396	

#### **FEATURES**

- Series available in 10 sizes, designed for medium-heavy industry applications
- Performance from 9000 to 110000 Nm
- Gearboxes from 2 to 4 reduction stages for the PZ parallel helical gear reducer; gearboxes from 3 to 4 reduction stages for the BZ bevel-helical gear reducer
- Monobloc casing (up to size 349 included) with high power density
- Universal mounting for horizontal or vertical mounting
- Solid output shaft (as standard)
- Wide range of accessories available in the catalogue
- Kit of dedicated options tailored to the needs of the specific application
- Control units complete with base, electric motor, (hydraulic, spring or toothed) coupling, parking brake
- Available in ATEX, 3GD and 2GD versions

# MAIN ACCESSORIES AVAILABLE IN THE CATALOGUE



#### Output shafts:

- solid integral low speed shaft
- hollow shaft with keyway
- hollow shaft with shrink disk

Execution with double outlet input shaft, double output shaft, for both the parallel helical and bevel-helical gear reducers

Coupling and housing for IEC motor connection, possible adapter for NEMA motor

#### Cooling systems:

- input shaft fan
- internal coil
- autonomous air/oil and water/oil unit

#### Lubrication systems:

- motor pump
- external mechanical pump
- expansion tank

Output flange for direct mounting to the application

Output flange with Drywell execution

Backstop device

Special C3, C4, and C5 painting

Extruder execution

Control units complete with base, electric motor, (hydraulic, spring or toothed) coupling, parking brake

Optional kits dedicated to customers' needs for specific applications

#### **MOTOVARIO** WEB SERVICES

my.motovario.com







#### SALES PORTAL

MyMotovario SALES PORTAL: the new service dedicated to Motovario customers and sales force



#### TECHNICAL DATA

Read and download the catalogues, leaflets, manuals and software of all Motovario and Teco products



### PRODUCT SELECTION

Select your product using the new configuration tool: download the 2D/3D drawing and the datasheet



#### M.A.C

Provides the complete documentation and instructions for assembling the product



#### **ACADEMY**

To improve your knowledge and skills about Motovario products, check our online training!



#### **CORPORATE**

Access the Corporate Motovario area









With the production order, you can get the info about your product

**Exclusive services for Motovario customers** 











