



# Shaft-mounted Gear reducers



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Specifically designed for applications involving conveyors or augers, these units are also suitable for a wide variety of industrial fields. S-series shaft-mounted gear reducers, available in cast iron casing only, sizes from 050 to 150, offer a large range of reduction ratios and are fully efficient in any working conditions. **The new S Series includes two new sizes, 140 and 150**, to extend the shaft mounting to heavier applications.

## SIZES:

### 050-060-080-100-125

- Universal casing
- Versions:
  - S... C Foot-flange mounting / Hollow shaft
  - S... D Foot-flange mounting / Solid shaft
  - S... L Foot-flange mounting / Shrink disc shaft
- Gearing with 2 and 3 reduction stages
- Modularity
- Gears hardened and tempered with shaved or ground profile
- Cases in EN-GJL-200 grey cast iron for high strength and optimized with FEM analysis
- Excellent mechanical strength
- Load capacity calculated to ISO 6336, DIN 3990 and AGMA 2001
- Painted with RAL 5010 blue epoxy-polyester powder
- ATEX versions available 2GD/3GD

## SIZES:

### 140-150

- Universal casing
- Versions:
  - S... C Foot-flange mounting / Hollow shaft
  - S... L Foot-flange mounting / Shrink disc shaft
- Gearing with 2 and 3 reduction stages
- Gears hardened and tempered with ground profile
- Cases in EN-GJL-200 grey cast iron
- Load capacity calculated to ISO 6336, DIN 3990 and AGMA 2001
- Gearboxes supplied without lubricant
- Painted with RAL 5010 blue epoxy-polyester powder



S 050-060-080-100-125



S 140-150

	*Ø [mm]	Output torque M <sub>2</sub> [Nm]	Ratio	
		Max	Min	Max
<b>S050</b>	30	350	8,63	314,21
<b>S060</b>	35	600	8,00	267,16
<b>S080</b>	40-45	1.000	7,34	360,58
<b>S100</b>	45-50	1.600	8,06	394,69
<b>S125</b>	55-60	3.000	8,48	238,93
<b>S140</b>	65-70	4.800	4,11	273,41
<b>S150</b>	80-90	9.500	4,06	253,35

\* The diameter of the low speed shaft can change according to the number of stages of the gear reducer

- Power from 0,12 kW up to 45 kW with three phase 4 pole motors
- Reduction ratios between 4,06 and 394,69
- Nominal torque 9.500 Nm
- Admissible radial loads max 30.000 N

### NEW

- Reinforced input flanges for big cast iron motors
- Increased torsional rigidity thanks to the new cast iron inspection cover
- Metal plate for aggressive environments
- Oil-free gearbox to allow the most suitable choice of lubricant for every application requirement

n <sub>2</sub> (rpm)	Viscosity index	
	Mineral oil	Synthetic oil
	0 ÷ +40 [°C]	-10 ÷ +50 [°C]
<b>&gt; 210</b>	150	150
<b>210 ÷ 20</b>	150	220
<b>20 ÷ 5</b>	220	320
<b>&lt; 5</b>	320	460

# ACCESSORIES



## OUTPUT FLANGES



FA



FB-FC



FG

	FA	FB	FC	FG
<b>S050</b>	•	•	-	-
<b>S060</b>	•	•	-	-
<b>S080</b>	•	•	•	-
<b>S100</b>	•	•	•	-
<b>S125</b>	•	•	•	-
<b>S140</b>	-	-	-	•
<b>S150</b>	-	-	-	•

- Available
- Not available

## OTHER ACCESSORIES

	S050-S125	S140-S150
<b>Double solid output shaft</b>	-	•
<b>Single solid output shaft</b>	•	•
<b>Torque arm</b>	-	•
<b>Reaction bolt</b>	•	•
<b>Shrink disk</b>	•	•
<b>Backstop device</b>	•	•
<b>Assembly/disassembly kit</b>	•	-
<b>Reinforced output seals</b>	•	-
<b>Viton seals</b>	•	•

- Available
- Not available



**S 050-125**  
Fitted for motor coupling (IEC)  
**PS 050-125**  
Fitted for motor coupling  
(IEC/NEMA) with elastic joint



**S 140-150**  
Fitted for motor coupling  
(IEC/NEMA)



**CS 050-125**  
With compact motor (IEC)



**S 140-150**  
With motor (IEC)



**IS 050-125**  
With input shaft



**IS 140-150**  
With input shaft

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