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# NEW

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## Shaft-mounted Gear reducers



**MOTOVARIO**<sup>®</sup>

HEART OF MOTION

a TECO Group company

# Features



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

# Range



**S 050-060-080-100-125**



**S 140-150**

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

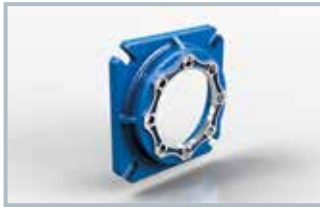
\* The diameter of the low speed shaft can change according to the number of stages of the gear reducer

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

# Accessories



## Output Flanges



FA



FB - FC



FG

	FA	FB	FC	FG
S050	•	•	/	/
S060	•	•	/	/
S080	•	•	•	/
S100	•	•	•	/
S125	•	•	•	/
S140	/	/	/	•
S150	/	/	/	•

• Available/Not available

## Other Accessories

S050-S125

S140-S150

• Double solid output shaft	/	•
• Single solid output shaft	•	•
• Torque arm	/	•
• Reaction bolt	•	•
• Shrink disk	•	•
• Backstop device	•	•
• Assembly/disassembly kit	•	/
• Reinforced output seals	•	/
• Viton seals	•	•

• Available/Not available



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# Versions



## 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



## Subsidiaries

**Germany**

**France**

**Spain**

**United Kingdom**

**USA**

**China**

**India**



Italy

Australia

Benelux

Bulgaria

China

Finland

France

India

Israel

Lithuania

Netherlands

Poland

Portugal

South Korea

Spain

Sweden

Turkey

United Kingdom

Ukraine

USA