



## Quatro+

Advanced planetary gear units designed to customer specification



The Quatro+ gear unit series is the latest innovation on the well established Quatro range of planetary gear units designed and manufactured by Santasalo. Quatro+ offers higher torque without the requirement to increase the gear unit size or weight giving you more for your investment. With an extended bearing life up to 200% compared to the original Quatro, the Quatro+ will provide enhanced availability and reduced maintenance costs for your application.

- Increase in maximum torque from 1,180 to 1,427 kNm
- Extended bearing life up to 200% compared to the original Quatro series
- Short lead times with fast availability of main components and optimised manufacturing
- Modular construction to suit application specific requirements combined with high variability of the input and output
- Fulfils the requirements of ISO, AGMA and DIN standards

### TECHNICAL DATA

Design Sizes	15
Number of Stages	2 to 5
Power Range	up to 1,500 kW
Transmission Ratio	up to 18,500
Nominal Output Torque	up to 1,427 kNm

### Quatro+: Geared for Industry

Sugar & Food

Panelboard

Metals

Mining & Minerals

Oil & Gas

Fiber & Paper

Chemical

Wastewater

Marine





## More for your Investment

Gearbox size	Transmissible torque		Torque increase	Bearing lifetime increase
	Old	New		
[ - ]	[ kNm ]		[ % ]	[ % ]
153	1 180	1 427.2	20.9	130.8
093	452	508.17	12.4	205.7
023	51	67.56	32.5	124.9

Table: Extract of gear sizes with comparison of traditional Quatro range to the new Quatro+

## Efficient Solutions for a Range of Applications

	Agitators	Mixers	Fans	Compressors	Conveyors	Mills	Drums	Pumps	Winches	Extruders
Sugar & Food		X			X			X		X
Panelboard		X			X					
Metals			X		X	X				
Mining	X	X			X	X		X		
Oil & Gas				X				X		
Fiber & Paper	X	X			X	X	X			
Chemical		X					X	X		X
Wastewater	X	X			X		X	X		
Marine									X	X



## Our Locations

### Americas

**Brazil, São Paulo**  
T: + 55 15 3031 5300  
E: [brasil@santasalo.com](mailto:brasil@santasalo.com)

**Canada, Ontario**  
T: + 1 519 621 6390  
E: [canada@santasalo.com](mailto:canada@santasalo.com)

**Chile, Santiago**  
T: + 562 2920 6778  
E: [chile@santasalo.com](mailto:chile@santasalo.com)

**USA, Greenville, SC**  
T: + 1 864 627 1700  
E: [usa@santasalo.com](mailto:usa@santasalo.com)

### Europe

**Finland, Jyväskylä**  
T: + 358 293 401 000  
E: [finland@santasalo.com](mailto:finland@santasalo.com)

**France, Bordeaux**  
T: + 33 547 745 402  
E: [france@santasalo.com](mailto:france@santasalo.com)

**Germany, Wuppertal**  
T: + 49 202 24 14 0  
E: [germany@santasalo.com](mailto:germany@santasalo.com)

**Sweden, Gothenburg**  
T: + 46 31 710 20 50  
E: [sweden@santasalo.com](mailto:sweden@santasalo.com)

### Asia Pacific

**Australia, Somersby**  
T: + 61 2 4340 2338  
E: [australia@santasalo.com](mailto:australia@santasalo.com)

**China, Suzhou**  
T: + 86 512 6299 8852  
E: [suzhou@santasalo.com](mailto:suzhou@santasalo.com)

**China, Beijing**  
T: + 86 10 6775 6792  
E: [beijing@santasalo.com](mailto:beijing@santasalo.com)

**[info@santasalo.com](mailto:info@santasalo.com)**  
**[www.santasalo.com](http://www.santasalo.com)**