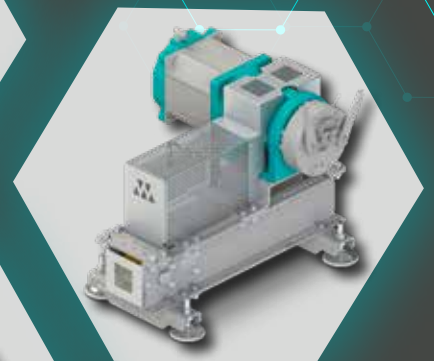


ELECTRIC DRIVES

GEARLESS MACHINES



F-PACK

The right drive for any
elevator application



The F-PACK is a perfectly fine-tuned system that includes Wittur WSG-S elevator machines and the WLD, a customized inverter with built-in database of our WSG-S machines.

F-PACK highlights:

- ▶ Elevate comfort and reliability to the next level
- ▶ Benefit from getting exactly the drive you need
- ▶ Optimize performance and grid protection
- ▶ Built to last
- ▶ Easy plug&play installation (no line choke, no EMC filter, no motor contactors required)
- ▶ All rope-directions for the elevator machines allowed
- ▶ Installation in shaft without cabinet possible
- ▶ No inverter derating at low speeds
- ▶ Longer motor lifetime
- ▶ Rated loads 320 ... 3000 kg
- ▶ Elevator-set-up tool in local language available
- ▶ Output current: 10 ... 110 A
- ▶ Overload current: 16 ... 198 A
- ▶ Power range: 4 ... 55 kW
- ▶ EMC standards EN 61800-3:2012+A1:2012
- ▶ EN 81-20:2014 & EN 81-50:2014 & Lift Directive LD 2014/33/EU



Bed Plates

The tailor made solution
for your project



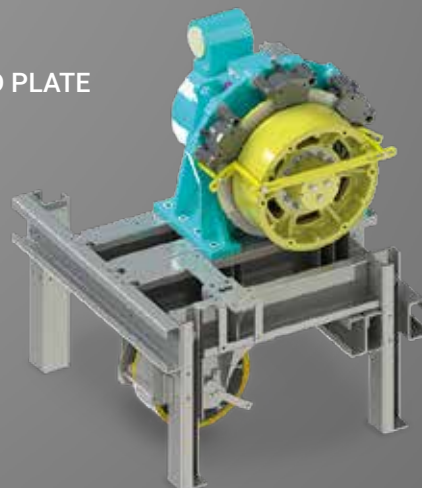
Our tailor-made solutions exceed in terms of easiest installation, flexibility, safety, design and transport
Wittur can supply the best bed plate solution for each application.

Bed Plates advantages:

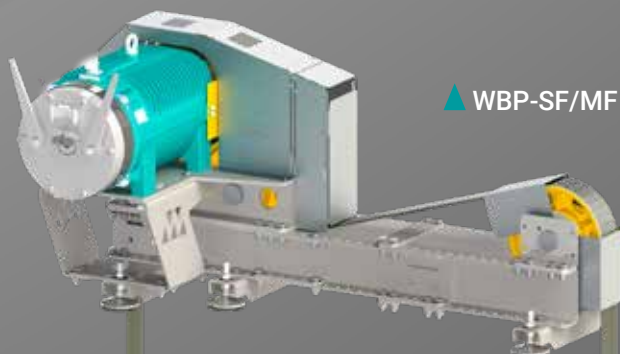
- ▶ Tailored solutions for the whole range of Wittur drives
- ▶ Optimized design for longest rope life cycle
- ▶ Position of pulleys can be easily adapted to the existing rope downfall
- ▶ Millimetric fine-tuning of the roping
- ▶ Available for different suspensions
- ▶ Different pulley sizes available
- ▶ Optional damping devices to reduce operating noise and vibrations
- ▶ Availability of optional safety covers for all moving parts (optional)
- ▶ Flexible pre-assembly status either for easy handling or fast installation



▲ WBP-TR



▲ BED PLATE



▲ WBP-SF/MF

Servogearless range



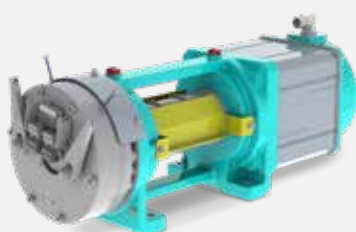
WSG-RF

Gearless synchronous lift machine, especially developed for MRL



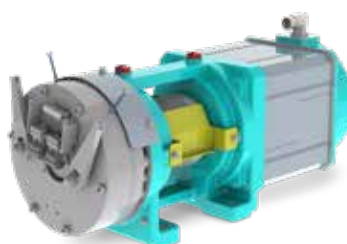
WSG-TS

Gearless synchronous lift machine especially developed for standard steel ropes.



WSG-TB

Especially developed for Polyropes/belts



WSG-TR

Especially developed for ropes with plastic sheathing



WSG-SF

Especially developed for machine-roomless (MRL) solutions



WSG-MF

Especially developed for machine-roomless (MRL) solutions



WSG-LF

Heavy-Duty machine for energy-efficient applications



Comparison chart



WSG-RF



WSG-TS



WSG-TB



WSG-TR



WSG-SF



WSG-MF



WSG-LF

	WSG-RF	WSG-TS	WSG-TB	WSG-TR	WSG-SF	WSG-MF	WSG-LF
Rated load up to [kg] for suspension 2:1	1050	1150	2000	1150	1500	1800	3000
Rated speed [m/s] for suspension 2:1	0,63 ... 1,6	0,5 ... 1,0	0,5 ... 1,6	0,5 ... 1,6	0,5 ... 2,0	0,5 ... 2,0	0,63 ... 3,5
Shaft load up to [kN]	24	35	24 ... 35	24 ... 35	26	45	63 ... 100
Traction sheave diameter [mm]	120, 160	(160), 180	100	120	160, 210, 240, 320, 400, 480	210, 240, 270, 320, 400, 480, 520	320, 400, 480, 520, 600, 650, 686
EU type examination cert.	EU-BD 1051 / 1093	EU-BD 1056 / 1055	EU-BD 1051 / 1056 / 1093 / 1055	EU-BD 1051 / 1056 / 1055	EU-BD 1034, 1051, 1056	EU-BD 1052, 1053, 1054	EU-BD 1077, EU-BD 1014/1
Motor	synchronous, 14 poles	synchronous, 16 poles	synchronous, 14/16 poles	synchronous, 14/16 poles	synchronous, 16 poles	synchronous, 20 poles	synchronous, 20 poles
Dimension (approx.) [mm]	210 x 313 x 518	262 x 331 x 722	262 x 331 x 931	262 x 331 x 722	313 x 320 x 660	360 x 438 x 804	475 x 586 x 1055
Weight (approx.) [kg]	110 ... 130	150 ... 183	100 ... 225	95 ... 171	121... 167	266 ... 368	570 ... 825
Key Characteristics	<ul style="list-style-type: none"> ▶ Developer for MRL solutions for ropes with plastic sheathing ▶ Compact design for reduced headroom 	<ul style="list-style-type: none"> ▶ Developer for MRL solutions for standard steel ropes ▶ Compact design for reduced headroom 	<ul style="list-style-type: none"> ▶ Compact design for reduced headroom Especially developed for Polyropes/belts ▶ Central traction sheave for smooth ride 	<ul style="list-style-type: none"> ▶ Compact design for reduced headroom Especially developed for ropes with plastic sheathing ▶ Dust cover for brake air gap 	<ul style="list-style-type: none"> ▶ Modular design ▶ Customized traction sheaves available ▶ Integrated encoder ▶ Rope tension in all directions ▶ Drive package F-Pack available 	<ul style="list-style-type: none"> ▶ Many customization options ▶ Rope tension in all directions ▶ Dust cover for brake air gap 	<ul style="list-style-type: none"> ▶ Heavy duty version for applications with machine room (MR) ▶ Drive package F-Pack

Beamer 2

With a nominal torque of 9200 Nm in the WSG-52.3 execution, this machine is designed to elevator as much as 9800 kg rated load in 2:1 roping. The travelling speed goes up to a breath-taking 12 m/s (in 1:1 application) which places Wittur in a unique position as independent component manufacturer.

Beamer Range



WSG-08

Flat design for MRL and MR solutions



WSG-21

Intensive use elevators and health-care elevators



WSG-25

Mid- and High-Rise applications



WSG-29

Mid- and High-Rise applications



WGG-29

Patented split housing gearless for High-Rise mod



WSG-52

The top of the range, heavy-duty, high-rise gearless traction machine



Comparison chart



WSG-08



WSG-21



WSG-25



WSG-29



WGG-29



WSG-52

	WSG-08	WSG-21	WSG-25	WSG-29	WGG-29	WSG-52
Rated load up to [kg] for suspension 2:1	1600	3000	4000	5000	5000	9800
Rated speed [m/s] for suspension 2:1	0,6 ... 2,5	1,0 ... 5,0	1,0 ... 5,0	1,0 ... 5,0	1,0 ... 5,0	1,0 ... 6,0
Shaft load up to [kN]	55	140	200	300	300	520
Traction sheave diameter [mm]	340, 400	530, 610, 650, 686	530, 610, 650, 686, 750	650, 750	650, 750	650, 800
EU type examination cert.	EU-BD 715	Inspecta 15656/1	EU-BD 908	EU-BD 1030	EU-BD 1030	EU-BD 1030
UL/CSA approved	yes	yes	yes	yes	yes	no
Motor	synchronous	synchronous	synchronous	synchronous	synchronous	synchronous
Dimension (approx.) [mm]	836 x 720 x 404	893 x 942 x 1054	1000 x 1092 x 1275	1220 x 1110 x 1380	1220 x 1110 x 1380	1350 x 1355 x 2392
Weight (approx.) [kg]	298 ... 420	1126 ... 1398	1775 ... 1925	2610 ... 2825	2800 ... 3000	7920 ... 8351
Machine room required	yes / no	yes	yes	yes	yes	yes
Key Characteristics	<ul style="list-style-type: none"> ▶ 2 or 3 brakes possible ▶ Flat design 	<ul style="list-style-type: none"> ▶ Smooth ride comfort ▶ 2 or 3 brakes ▶ Rope tension in all directions 	<ul style="list-style-type: none"> ▶ High speed, smooth ride ▶ Customized winding design, e.g. for regenerative use 	<ul style="list-style-type: none"> ▶ Brakes monitored for wear ▶ Customized groove profiles ▶ Frame, diverter pulley available ▶ Double-wrap possible 	<ul style="list-style-type: none"> ▶ Ideal for modernization ▶ Max width 800 mm ▶ Max weight of the biggest part 1500 kg 	<ul style="list-style-type: none"> ▶ Voltage variant for regenerative drive available ▶ Digital communication interface via encoder and smart machine solutions available



WITTUR

YOUR GLOBAL PARTNER FOR COMPONENTS,
MODULES AND SYSTEMS IN THE ELEVATOR INDUSTRY



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 **ADVANCING** THE ELEVATOR INDUSTRY®