

# Radial- and Lateral Gearing

...screwing systems specific to the industry  
electric / pneumatic



EF-SG



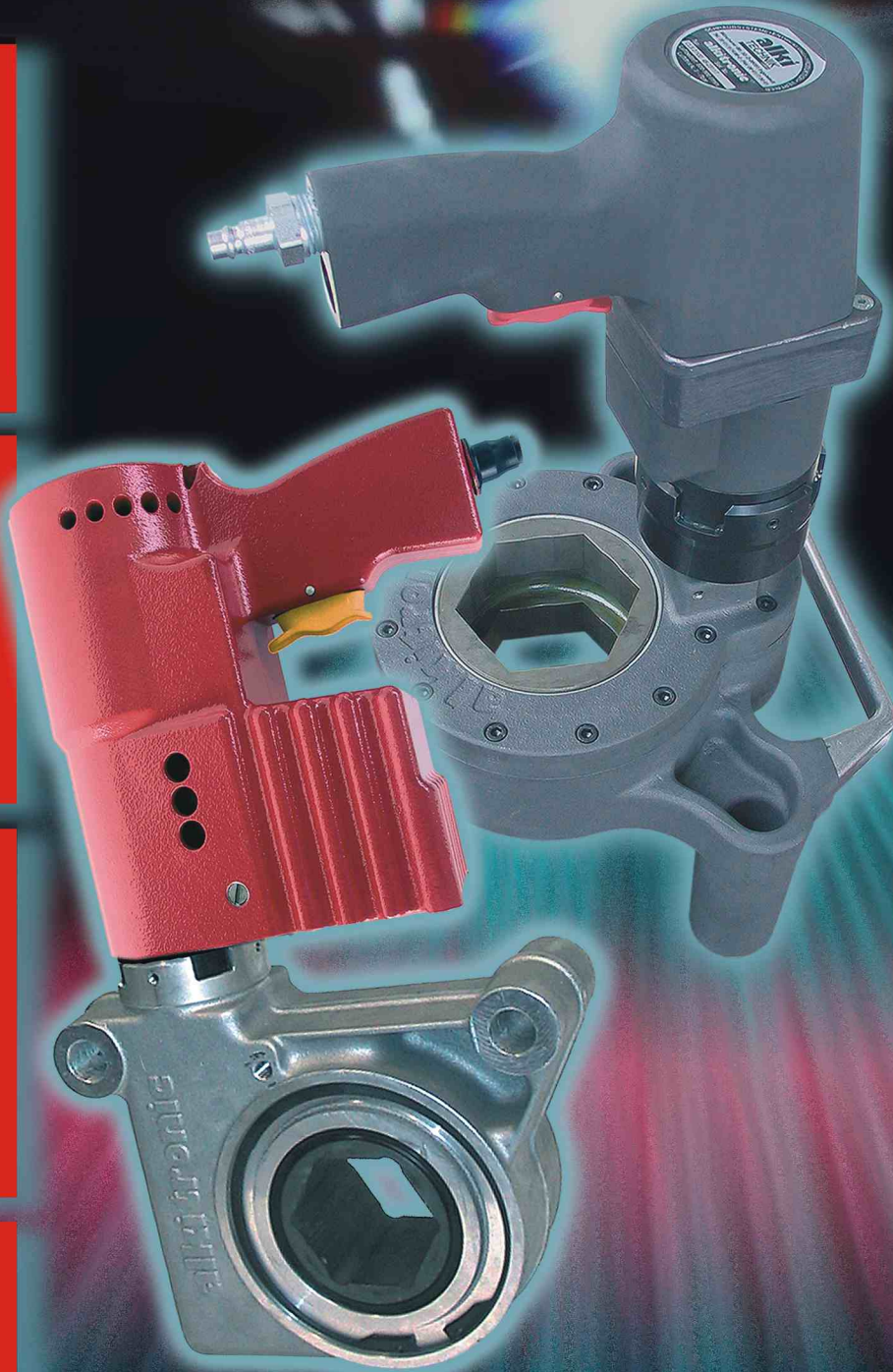
EFC-SG



RCL



EFR



# alki<sup>®</sup>tronic

**alki**  
**TECHNIK**  
GmbH

# alkitronic® Tangential Gearing EFC-SG / EF-SG

## General Informations

Optimal application  
to plate heat exchangers

### Convincing drive concept:

- Brush-free synchronized motor of **alkitronic®** electric and frequency controlled
- Permanent-magnetic motor with high torque and excellent operating ratio

✓ Consistent **quality** of your screwings and **low running costs:** maintenance-free and low in wear

✓ **Highest mounting speed:** 3 times faster as conventional electrical drives

✓ **Highest precision:** exact and smooth shut-off when reaching the required torque due to reduction of shut-off speed.

**Advantage:** centrifugal force of motor and gearing does not impair shut-off torque

✓ Suitable for **all international electric networks** (100-253V/45-66 Hz)

✓ **Large torque range** due to 19 selectable shut-off torques

✓ **Safe tool operation** due to ergonomic operation concept

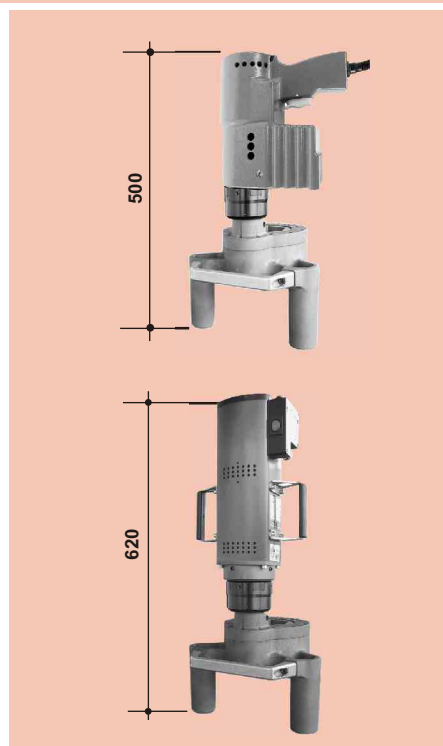
✓ **Allweather version** (Protection Art IP 54) at the moment **only** possible with the **alkitronic®-EF-SG**



## Technical Data alkitronic® EFC-SG / EF-SG

Series/Type		EFC-SG 65	EFC-SG 80
Torque range*	Nm	560-3780	560-3780
Height H	mm	225	225
Width W	mm	270	270
Length L	mm	260	260
Weight*	kg	18,5	18,5
Ratio	i	1:3,77	1:3,77
*approx. values			

Series/Type		EF-SG 65	EF-SG 80
Torque range*	Nm	560-3780	560-3780
Height H	mm	225	225
Width B	mm	270	270
Length L	mm	260	260
Weight*	kg	22,5	22,5
Ratio	i	1:3,77	1:3,77
*approx. values			





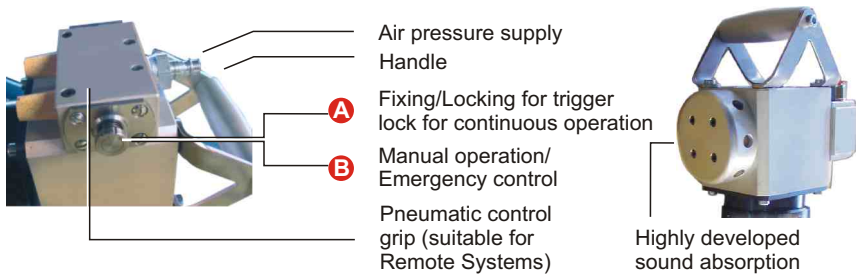
# alkitronic® CLV-R / RCL pneumatic

Optimal application to plate heat exchangers in explosive gas atmospheres and in cases of lack of space. The use of e.g. two **alkitronic® -CLV-R torque wrenches** (diagonally or crosswise) ensures an optimal speed and accuracy in assembling large plates. The **alkitronic®** remote control **FBL** offers you the perfect solution.

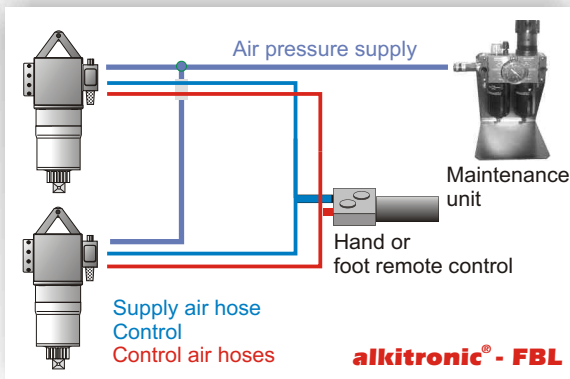
- ✓ Continuously rotating - torques up to 4600 Nm; heavy-duty gear box
- ✓ Torque setting according to torque flow chart

## Series alkitronic® RCL:

- ✓ Mechanical selection switch for power/run-down gear



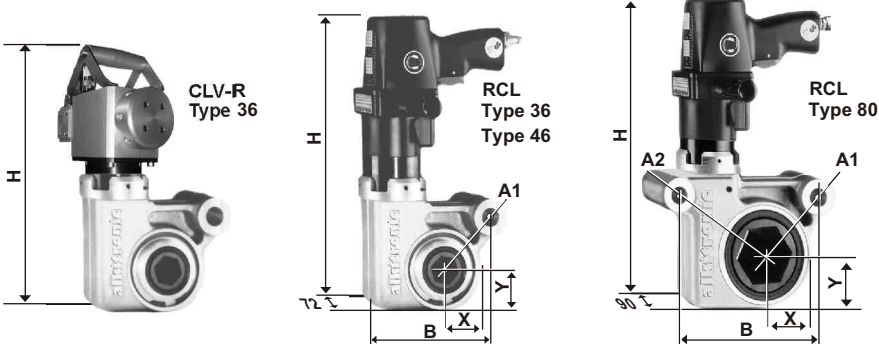
## CLV-R



Standard execution: flip switch (CW-/CCW direction), gear selection switch for power/run-down gear

Execution with locking flip switch for CW-/CCW direction (trigger lock for continuous operation) upon request. Positions flip switch: R - ● - L

## Technical Data alkitronic® CLV-R / RCL



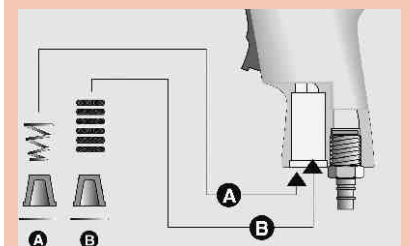
Series/Type	CLV-R 36	CLV-R 46	CLV-R 80	RCL 36	RCL 46	RCL 80
Torque range 2nd gear approx. Nm	-	-	-	590-1730	630-1850	670-1975
Torque range 1st gear approx. Nm	1440-4235	1545-4535	1645-4840	1440-4235	1545-4535	1645-4840
Spannerwidth mm	36	46	80	36	46	80
Height H mm	345	385	435	400	435	450
Width B mm	163	188	230	163	188	230
Bolt(distance) A2/A1 mm	-/100	-/112	160/130	-/100	-/112	160/130
Dimensions X/Y mm	56/56	73/73	85/85	56/56	73/73	85/85
Weight kg	13,5	16	23	12,5	14	21
Idling speed 2nd gear approx. $rm^{-1}$	-	-	-	3	3	6
Idling speed 1st gear approx. $rm^{-1}$	1	1	2	1	1	2

Fast rotating tools upon request. Please note that the performance (torque) has to be reduced correspondingly.

## Sound absorption

- A** Standard execution  
Noise level: 78 dB(A)
- B** Special execution (optional)  
The noise level will amount 66-78 dB(A) according to the number of used sound absorbers and an air pressure of 6 bar.

By using sound absorbers take notice that the torque values of the flow chart will not be the same. Approx. 10% deviation of the stated torque values is possible.



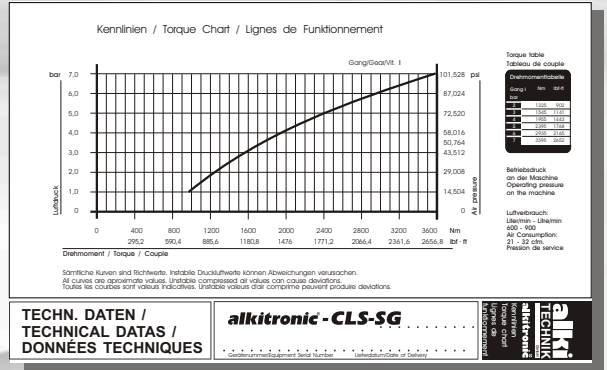
alkitronic®-Pneumatic torque wrenches with lower noise level are controlled and approved by the German TÜV PRODUCT SERVICE.

# alkitronic® Tangential Gearing CLS-SG / CLV-SG pneumatic



Optimal **application** to plate heat exchangers in explosive gas atmospheres and in cases of lack of space. The use of **alkitronic®** pneumatic torque wrenches with tangential gearing (e.g. 2 **CLV-SG** - diagonally or crosswise) ensures an optimal speed and accuracy in assembling large plates. The **alkitronic®** remote control **FBL** offers you the perfect solution.

Example of a **torque flow chart** stating the torque values by the corresponding air pressure.



## Technical informations:

Torque of all CL.. tools adjustable via air supply and a manostat of the maintenance unit. Torque exactness depends on a stable air network .

An air pressure of 2 -7 bar at an air volume of approx. 10-15 l/sec ensures optimal operation.

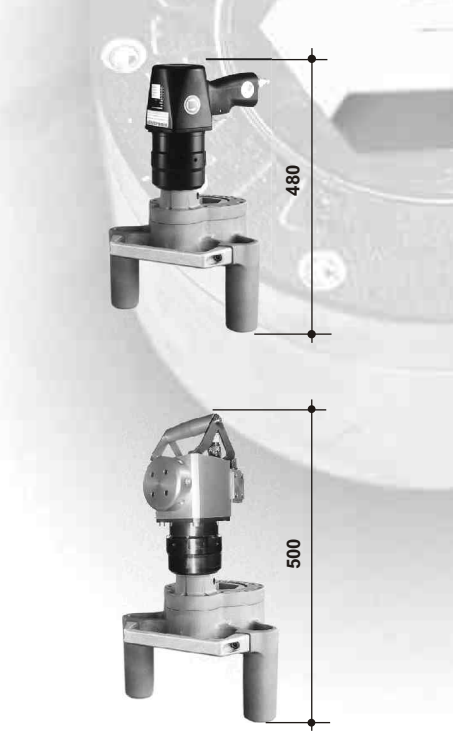
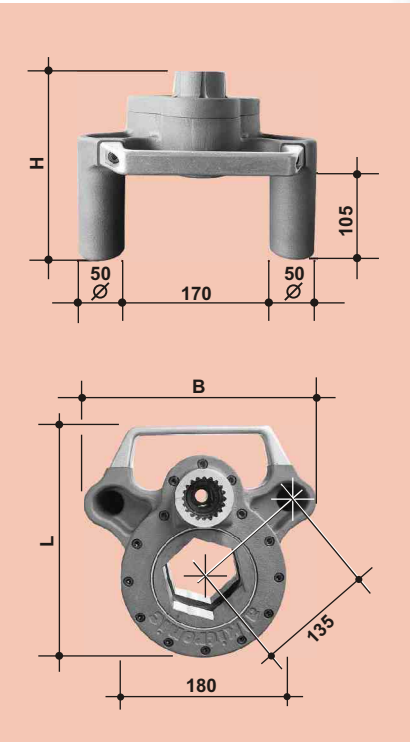
## Accessories:

Maintenance unit complete with filter, regulator, lubricator as well as air pressure hose (1/2", 5 m length) including couplings.

In order to maximize operational safety and the lifetime of the motor the pressurized air should be fed by means of a lubricator with a fine oil spray.



## Technical Data **alkitronic® CLS-SG / CLV-SG**



Series/Type		CLS-SG 65	CLS-SG 80
Torquerange*	Nm	1280-3780	1280-3780
Height H	mm	225	225
Width B	mm	270	270
Length L	mm	260	260
Weight*	kg	16,5	16,5
Ratio	i	1:3,77	1:3,77
*approx. values			

Series/Type		CLV-SG 65	CLV-SG 80
Torquerange*	Nm	1280-3780	1280-3780
Height H	mm	225	225
Width B	mm	270	270
Length L	mm	260	260
Weight*	kg	18	18
Ratio	i	1:3,77	1:3,77
*approx. values			

Technical details are subject to be changed

R-SG-specialmachine/alki/1/260304/le



CLD



CLV



EFC



EFW

## Product range:

### **alkitronic®**

- **Continuously rotating screwing systems:**  
Drive manual, electric and pneumatic
- **Gearing technic:**  
Central gearing, tangential gearing, radial gearing
- **QMS:**  
Quality-Management for Screwed Joints

### **BESTMA®**

- **hydraulic screwing- and drive systems:**  
Drive manual, electric and pneumatic
- **Inspection works**

**alkitronic®**  
torque power - worldwide

**alkitronic®**