

Spindle extensions and operation points R-S-T

R – Half moon. S1 – Ø 20 Key 6. S2 – Ø 25 Key 8. S3 – Ø 30 Key 8.
 T – Conical square 27x32. Square 20. Square 25.

Typ e:	L min.	L max.	B number	R – S – T 120 Nm	S – T 250 Nm	S - T 520 Nm
T 1	650	1000	1	R - S1 - T	S1 - S2 - T	S3 - T
T 2	1000	1500	1	R - S1 - T	S1 - S2 - T	S3 - T
T 3	1500	2000	2	R - S1 - T	S1 - S2 - T	S3 - T
T 4	2000	2500	2	R - S1 - T	S1 - S2 - T	S3 - T
T 5	2500	3000	2	R - S1 - T	S1 - S2 - T	S3 - T
T 6	3000	3500	3	R - S1 - T	S1 - S2 - T	S3 - T
T 7	3500	4000	3	R - S1 - T	S1 - S2 - T	S3 - T
T 8	4000	4500	3	R - S1 - T	S1 - S2 - T	S3 - T

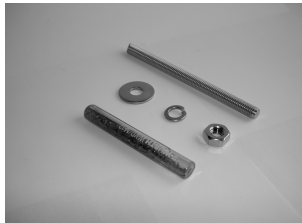
- A Lange able operation points.
 - R - Half moon.
 - S - Electric drive.
 - T - Conical square / Square.
- B Support
- C Lock washer
- D* Coupling
- E Bolt
- F Movable part
- G Connection to fitting

INSTALLATION SHEET



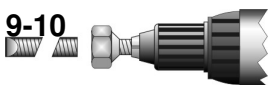
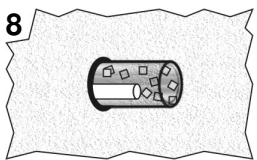
Mounting supplies

Fix accessories



Type	Bore hole Ø mm	Deep mm	max. Nm
M 10	12	90	20

Temp. °C	Mines	Hours
20 tot >	10	
10 tot 20	20	
0 tot 10		1
- 5 tot 0		5



- 1 **Check : The concrete for firmness, flatness and level. Max. tolerance 2 mm per meter.**
- 2 Locate the upper support as high as possible using a lock washer. (if fitted, maximum centre-centre distance of the centre supports: 1,500 mm)
- 3 Set the spindle extension and supports upright, perfectly level on the mounting bracket on the fitting.
- 4 Mark holes.
- 5 Remove the spindle extension.
- 6 Drill the mounting holes to the recommended depth.
- 7 Clean the fixing holes.
- 8 Fit the chemical anchor capsules.
- 9 Apply copper grease to **the nut side** of the studs.
- 10 Insert the studs using a hammer drill with attachment fitted.
- 11 **Remove!** Any excessive chemical mixture around the studs
- 12 Allow the chemical anchors to cure for the specified time.
- 13 Fit the spindle extension.
- 14 Fit the washers and the spring washers to the studs.
- 15 Tighten the nuts to the correct loading.
- 16 Fit lock washer ± 2 mm under upper support.
- 17 **Verify spindle extension is functioning correctly.**

