

Secoroc Rock Drilling Tools

# ***SWELLEX ROCK BOLTS***

Product catalogue







## ***SECOROC ROCK DRILLING TOOLS***

We have a long tradition of supplying geotechnical engineers with a wide range of equipment and services. Our product offer consists of rigs, grouting solutions, casing advancement systems, DTH hammers and a full range of high tech and high quality site investigation tools.

All our products are designed to minimize down-time and maximize productivity and your profitability. When we are needed, we will quickly be at your site thanks to our worldwide Atlas Copco organization. Just contact your local Atlas Copco representative.

# **CONTENTS**

<b>INTRODUCTION</b>	2-6
---------------------	-----

## **TECHNICAL INFORMATION**

Swellex load capacity chart .....	7
Swellex length chart "ASTM" .....	7

## **SWELLEX ROCK BOLTS**

Swellex Pm12 rock bolts .....	8
Swellex Pm16 rock bolts .....	9
Swellex Pm24 rock bolts .....	10
Swellex Pm24C rock bolts .....	11
Swellex Pm24C Plastic Coated rock bolts .....	12
Swellex Pm24H rock bolts .....	13
Swellex Mn12 rock bolts .....	14
Swellex Mn16 rock bolts .....	15
Swellex Mn24 rock bolts .....	16

## **SWELLEX FACE PLATES AND WASHERS**

Swellex face plates .....	17
Swellex washers .....	17

## **SWELLEX PUMPS**

Swellex pneumatic pumps .....	18
Swellex hydraulic pumps .....	19
Swellex electric pumps .....	20

## **SWELLEX ACCESSORIES**

Installation arms .....	21
Chucks .....	21
Pressure gauge .....	21
Hose sets .....	21
Dolly kits .....	21

## **SWELLEX QUALITY CONTROL**

Swellex pull test equipment .....	22
Swellex steel sleeves .....	22
Swellex bit control gauges .....	22



# SWELLEX

## – ATLAS COPCO ROCK REINFORCEMENT SYSTEM

Atlas Copco has offered Swellex rock bolts as a stable, safe and reliable system of rock support for the past 30 years.

### Efficient rock support solutions

Ongoing development of faster, safer and more exotic tunneling techniques places a constant pressure on manufacturers to provide more efficient rock support solutions which will help the shortening of cycle time.

As ground conditions get more and more demanding, emphasis is placed on flexible and intelligent support systems in which rock and soil reinforcement is expected to contribute to the productivity and safety of the operation.

The trend has been to provide rock support and reinforcement systems that are easy to install, assure efficiency and provide safety.

Atlas Copco offers Swellex™ rock bolts as a unique, safe and reliable system of rock support, with the development of safer and more efficient Rock reinforcement products such as:

- Swellex Manganese line rock bolts – which are manufactured from a special type of steel;
- Swellex Premium line of rock bolts – for use where high yield load and stiffness are expected from Reinforcement systems;

### Swellex rock bolting system

The Swellex rock bolting system has gained wide recognition in mining and tunneling works.

It is a unique rock bolt, as it is made out of a welded tube folded onto itself and sealed at one extremity. It is re-expanded using a high pressure water flow provided by a special pump and adapter. The bolt is expanded inside the borehole drilled into the excavation wall.

The installation process is easy and very similar to other rock bolt installation processes; making Swellex rock bolts accessible to all operators.

### Extensive application range

The speed and quality of installation and the extensive application range have solved support problems and increased profitability for contractors and mine operators all over the world.

As mine and tunnel safety requirements have become more stringent, the prompt, reliable and versatile support available with Swellex rock bolts has made them the best for solving most problems and one of the best in for Rock Reinforcement in general.

### Special application products

From the well accepted Plastic coating for highly corrosive environments, Atlas Copco covers all demands for corrosion protection and long life rock bolts. For special applications like hangers and deep reinforcement, Atlas Copco has perfected a version of Swellex to perform these tasks with the same easy system. With the Swellex Hanger Pm24H, the operator can install their service hanger(s) in the same reinforcement operation as the primary support while the Swellex connectable rock bolt Pm24C is a modern replacement to medium length cable bolts, with high productivity, quality control and safety components.



# SWELLEX ROCK BOLTS

Swellex load capacity										
	Description									
	Minimum breaking load, expanded profile (kN)	Minimum yielding load, expanded profile (kN)	Minimum elongation "A5" (%)	Profile diameter (mm)	Material thickness (mm)	Original tube diameter (mm)	Injection bushing diameter (mm)	Bushing head (mm)	Bore hole diameter (mm)	Expansion pressure (bar)
Pm12	110	90	10	28	2	41	28	30/37	32-39	300
Pm16	160	140	10	36.5	2	54	38	41/50	43-52	240
Pm24	240	200	10	37	3	54	38	41/50	43-52	300
Pm24C	240	200	10	37	3	54	38	41/53	48-52	300
Pm24H*	200	190	10	37	3	54	38		43-52	300
Mn12	110	90	20	28	2	41	28	30/37	32-39	300
Mn16	150	100	20	36	2	54	38	41/48	43-52	240
Mn24	220	180	20	37	3	54	38	41/50	43-52	300

Bolts also available in PlastiCoated.

\* If borehole diameter <51 collaring of 51mm is required to allow insertion of bushing head in rock mass.

## "ASTM" colour/length chart

Color plug	Bolt Length
Red	1.5m / 5ft
Dark Blue	1.8m / 6ft
Orange	2.1m / 7ft
White	2.4m / 8ft
Fluorescent Green	2.7m / 9ft
Safety yellow	3.0-3.3m/10ft-11ft
Dark green	3.6 -4.0m / 12-13 ft
Brown	4.5m /1 4-15ft
Uncolored	5m / 16-17ft
Light blue	5.5m / 18-19 ft
Black	6m / 20-21 ft
Pink	7m / 22-23 ft



# SWELLEX PM12

## Swellex rock bolts

General information Swellex Pm12	
Minimum breaking load	110 kN
Minimum yielding load	90 kN
Minimum elongation	10%
Expansion pressure	300 bar

For further information, see also technical data page 7.  
Minimum elongation "A": According to EN-ISO 6892-1 where applicable.



## Swellex Pm12 rock bolts

Size	Length (m)	Weight (kg)	Product number incl. color plug
SWX Pm12	1.2	3.0	9899 7080 49
	1.5	3.3	9899 7027 09
	1.8	3.6	9899 7032 44
	2.1	4.2	9899 7080 50
	2.4	4.9	9899 7032 45
	2.7	5.5	9899 7080 51
	3.0	6.1	9899 7032 46
	3.3	6.6	9899 7080 52
	3.6	7.3	9899 7032 47
	3.8	7.8	9899 7080 53
	3.9	7.8	9899 7080 54
	4.0	8.0	9899 7080 55
	4.5	9.0	9899 7080 56
	5.0	10.0	9899 7080 57
6.0	11.9	9899 7080 58	
6.5	12.9	9899 7080 59	
<b>Plastic Coated</b>			
SWX Pm12	1.2	2.5	9899 7080 60
	1.5	3.3	9899 7080 61
	1.8	3.8	9899 7080 62
	2.1	4.4	9899 7080 63
	2.4	5.0	9899 7080 64
	3.0	6.2	9899 7080 66
	3.3	6.6	9899 7080 67
	3.6	7.2	9899 7080 68
	3.8	7.6	9899 7080 69
	4.0	8.2	9899 7080 71
	4.5	8.9	9899 7080 72
	5.0	10.2	9899 7080 73
	6.0	11.9	9899 7080 74
	6.5	12.9	9899 7080 75

Custom lengths available upon request.  
Cone intalled bolts available upon request.  
Refer to colour chart 7.



# SWELLEX PM16



## Swellex rock bolts

General information Swellex Pm16	
Minimum breaking load	160 kN
Minimum yielding load	140 kN
Minimum elongation	10%
Expansion pressure	240 bar

For further information, see also technical data page 7.  
 Minimum elongation "A": According to EN-ISO 6892-1 where applicable.

## Swellex Pm16 rock bolts

Size	Length (m)	Weight (kg)	Product number incl. color plug
SWX Pm16	1.5	4.2	9899 7083 02
	1.8	5.1	9899 7083 03
	2.1	5.8	9899 7083 04
	2.4	6.6	9899 7083 05
	2.7	7.4	9899 7083 06
	3.0	8.2	9899 7083 07
	3.3	8.9	9899 7083 08
	3.6	9.7	9899 7083 09
	4.0	10.7	9899 7083 10
	4.5	12.0	9899 7083 11
	5.0	13.3	9899 7083 12
	6.0	15.9	9899 7083 13
	6.5	17.2	9899 7083 14
Plastic Coated			
SWX Pm16	1.8	5.1	9899 7083 17
	2.4	6.6	9899 7083 19
	2.7	7.4	9899 7083 20
	3.6	10.7	9899 7083 23

Custom lengths available upon request.  
 Cone intalled bolts available upon request.  
 Refer to colour chart 7.

# SWELLEX PM24

## Swellex rock bolts

General information Swellex Pm24	
Minimum breaking load	240 kN
Minimum yielding load	200 kN
Minimum elongation	10%
Expansion pressure	300 bar

For further information, see also technical data page 7.  
Minimum elongation "A": According to EN-ISO 6892-1 where applicable.



## Swellex Pm24 rock bolts

Size	Length (m)	Weight (kg)	Product number incl. color plug
SWX Pm24	1.8	7.2	9899 7080 82
	2.1	8.3	9899 7080 83
	2.4	9.5	9899 7032 50
	2.7	10.6	9899 7080 84
	3.0	11.8	9899 7080 85
	3.3	12.9	9899 7080 86
	3.6	14.0	9899 7080 87
	3.9	15.2	9899 7080 88
	4.0	15.6	9899 7080 89
	4.5	17.4	9899 7080 90
	4.9	18.9	9899 7080 91
	5.0	19.3	9899 7080 92
	6.0	23.1	9899 7080 94
	6.5	25.0	9899 7080 95
7.0	26.9	9899 7080 96	
Plastic Coated			
SWX Pm24	1.8	7.2	9899 7082 03
	2.4	9.5	9899 7080 76
	3.0	11.8	9899 7082 06
	3.6	14.0	9899 7082 08

Custom lengths available upon request.  
Cone intalled bolts available upon request.  
Refer to colour chart 7.

# SWELLEX PM24C



## Swellex connectable rock bolts

General information Swellex Pm24 connectables	
Minimum breaking load	240 kN
Minimum yielding load	200 kN
Minimum elongation	10%
Expansion pressure	300 bar

For further information, see also technical data page 7.  
Minimum elongation "A": According to EN-ISO 6892-1 where applicable.

## Swellex Pm24C connectable rock bolts

Size	Description	Length (m)		Weight (kg)	Product number
		Assembled	Overall		
SWX Pm24C	Blind segment	1.62	1.62	6.3	9899 7080 00
	Blind segment	1.92	1.92	7.8	9899 7080 01
	Blind segment	2.22	2.22	8.5	9899 7080 02
	Blind segment	2.52	2.52	9.7	9899 7080 03
	Blind segment	3.12	3.12	11.9	9899 7080 04
	Blind segment	4.12	4.12	15.9	9899 7080 05
	Middle segment	1.62	1.72	6.6	9899 7013 91
	Middle segment	1.92	2.02	7.9	9899 7013 85
	Middle segment	2.22	2.32	8.8	9899 7013 97
	Middle segment	2.52	2.62	10.0	9899 7013 31
	Middle segment	3.12	3.22	12.2	9899 7013 33
	Middle segment	4.12	4.22	16.1	9899 7013 94
	Injection segment	1.52	1.62	6.4	9899 7013 90
	Injection segment	1.82	1.92	7.4	9899 7013 87
	Injection segment	2.12	2.22	8.5	9899 7013 96
	Injection segment	2.42	2.52	9.7	9899 7013 32
	Injection segment	3.02	3.12	12.0	9899 7013 34
	Injection segment	4.02	4.12	15.9	9899 7013 93
	<b>Swellex Plug-on retainer</b>				
SWX Pm24C	Optional blind segment retainer			0.05	9899 7080 11

Custom lengths available upon request.  
Cone installed bolts available upon request.  
Refer to colour chart 7.

# SWELLEX PM24C

## Swellex connectable rock bolts - Plastic Coated

General information Swellex Pm24 connectables	
Minimum breaking load	240 kN
Minimum yielding load	200 kN
Minimum elongation	10%
Expansion pressure	300 bar

For further information, see also technical data page 7.  
Minimum elongation "A": According to EN-ISO 6892-1 where applicable.



### Swellex Pm24C connectable rock bolts - Plastic Coated

Size	Description	Length (m)		Weight (kg)	Product number
		Assembled	Overall		
SWX Pm24C	Blind segment	1.62	1.62	6.3	9899 7080 06
	Blind segment	1.92	1.92	7.8	9899 7080 07
	Blind segment	2.22	2.22	8.5	9899 7080 08
	Blind segment	2.52	2.52	9.7	9899 7080 09
	Blind segment	3.12	3.12	12.0	9899 7080 10
	Middle segment	1.62	1.72	6.6	9899 7014 10
	Middle segment	1.92	2.02	7.9	9899 7014 04
	Middle segment	2.22	2.32	8.8	9899 7014 14
	Middle segment	2.52	2.62	10.0	9899 7014 01
	Middle segment	3.12	3.22	12.2	9899 7014 06
	Injection segment	1.52	1.62	6.4	9899 7014 09
	Injection segment	1.82	1.92	7.4	9899 7014 02
	Injection segment	2.12	2.22	8.5	9899 7014 13
	Injection segment	2.42	2.52	9.7	9899 7013 99
	Injection segment	3.02	3.12	12.0	9899 7014 07
<b>Swellex Plug-on retainer</b>					
SWX Pm24C	Optional blind segment retainer			0.05	9899 7080 11

# SWELLEX PM24H



## Swellex rock bolts

General information Swellex Pm24H	
Minimum breaking load	200 kN
Minimum yielding load	190 kN
Minimum elongation	10%
Expansion pressure	300 bar

For further information, see also technical data page 7.  
Minimum elongation "A": According to EN-ISO 6892-1 where applicable.

## Swellex Pm24H hanger rock bolts

Size	Description	Length (m)	Weight (kg)	Product number
SWX Pm24H	M36 thread	1.5	7.7	9899 7006 67
	M36 thread	2.1	9.9	9899 7006 68
	M36 thread	2.4	11.1	9899 7006 69
	M36 thread	3.0	13.4	9899 7006 17
	M36 thread	4.5	18.9	9899 7017 96
	M36 thread	5.0	21.0	9899 7017 84
Plastic Coated				
SWX Pm24H	M36 thread	1.5	7.7	on request
	M36 thread	2.1	9.9	on request
	M36 thread	2.4	11.1	on request
	M36 thread	3.0	13.4	on request

## Swellex Pm 24H Accessories

Size	Description	Weight (kg)	Product number
SWX Pm24H	M36 eyebolt	2.8	9899 7022 83
Swellex Pm24H expansion adapter			
SWX Pm24H	Expansion adapter M36 for 24 series chuck	0.3	9899 7006 19
	Expansion adapter M36 for 12 series chuck	0.3	9899 7027 90

# SWELLEX MN12

## Swellex rock bolts

General information Swellex Mn12	
Minimum breaking load	110 kN
Minimum yielding load	90 kN
Minimum elongation	20%
Expansion pressure	300 bar

For further information, see also technical data page 7.  
Minimum elongation "A": According to EN-ISO 6892-1 where applicable.



## Swellex Mn12 rock bolts

Size	Length (m)	Weight (kg)	Product number incl. color plug
SWX Mn12	1.2	2.5	9899 7080 37
	1.5	3.1	9899 7080 38
	1.8	3.6	9899 7080 39
	2.1	4.3	9899 7080 40
	2.4	4.9	9899 7080 41
	2.7	5.5	9899 7080 42
	3.0	6.0	9899 7080 43
	3.3	6.6	9899 7080 44
	3.6	7.2	9899 7080 45
	4.0	8.0	9899 7080 46
	4.5	8.9	9899 7080 47
	5.0	10.0	9899 7080 48
	6.0	11.9	on request
	6.5	12.9	on request
Plastic Coated			
SWX Mn12	1.2	2.5	9899 7080 24
	1.5	3.1	9899 7080 25
	1.8	3.6	9899 7080 26
	2.1	4.3	9899 7080 27
	2.4	4.9	9899 7080 28
	2.7	5.5	9899 7080 29
	3.0	6.0	9899 7080 30
	3.3	6.6	9899 7080 31
	3.6	7.2	9899 7080 32
	4.0	8.0	9899 7080 33
	4.5	8.9	9899 7080 34
	5.0	10.0	9899 7080 35

Custom lengths available upon request.  
Cone intalled bolts available upon request.  
Refer to colour chart 7.

# SWELLEX MN16

## Swellex rock bolts

### General information Swellex Mn16

Minimum breaking load	150 kN
Minimum yielding load	100 kN
Minimum elongation	20%
Expansion pressure	240 bar

For further information, see also technical data page 7.  
Minimum elongation "A": According to EN-ISO 6892-1 where applicable.



## Swellex Mn16 rock bolts

Size	Length (m)	Weight (kg)	Product number incl. color plug
SWX Mn16	1.5	4.3	9899 7083 87
	1.8	5.2	9899 708388
	2.1	6.0	9899 7083 90
	2.4	6.6	9899 7083 91
	2.7	7.4	9899 7083 92
	3.0	8.2	9899 7083 93
	3.3	9.0	9899 7083 94
	3.6	9.7	9899 7083 95
	3.9	11.2	9899 7083 96
	4.0	11.6	9899 7083 97
	4.5	12.0	9899 7083 98
	5.0	13.2	9899 7083 99
	6.0	15.9	9899 7084 00
6.5	17.1	9899 7084 01	

Custom lengths available upon request.  
Cone intalled bolts available upon request.  
Refer to colour chart 7.

# SWELLEX MN24

## Swellex rock bolts

General information Swellex Mn24	
Minimum breaking load	220 kN
Minimum yielding load	180 kN
Minimum elongation	20%
Expansion pressure	300 bar

For further information, see also technical data page 7.

Minimum elongation "A": According to EN-ISO 6892-1 where applicable.



## Swellex Mn24 rock bolts

Size	Length (m)	Weight (kg)	Product number incl. color plug
SWX Mn24	1.5	5.6	9899 7083 50
	1.8	7.2	9899 7083 51
	2.1	9.4	9899 7083 52
	2.4	9.4	9899 7083 53
	2.7	10.5	9899 7083 54
	3.0	11.7	9899 7083 55
	3.3	12.8	9899 7083 56
	3.6	13.9	9899 7083 57
	3.9	15.2	9899 7083 58
	4.0	15.4	9899 7083 59
	4.5	17.3	9899 7083 60
	5.0	19.2	9899 7083 62
	5.5	21.1	9899 7083 63
	6.0	22.9	9899 7083 64
	6.5	24.8	9899 7083 65
7.0	26.7	9899 7083 66	
Plastic Coated			
SWX Mn24	1.8	5.6	9899 7083 69
	2.4	9.4	9899 7083 71
	3.0	11.7	9899 7083 73
	3.3	12.8	9899 7083 74
	3.6	13.9	9899 7083 75
	4.9	18.9	9899 7083 79

Custom lengths available upon request.

Cone installed bolts available upon request.

Refer to colour chart 7.



# SWELLEX FACE PLATES AND WASHERS

## Swellex face plates

Name	Description	ASTM Grade	Load capacity (kN) Sp/Pm/Mn	Geometry (mm x mm)	Hole Size (Dia.)	Weight (kg)	Product number
P12	Performance plate for 12 range bolts, domed	3	100	152 x 152	31.0	1.02	9899 7006 33
M12	MID performance plate for 12 range bolts, domed	2	80	152 x 152	31.0	1.02	9899 7006 32
F12	Flat plate for 12 range bolts	N/A	70/90	127 x 127	31.0	0.71	9899 7006 31
V12	Value plate for 12 range bolts, domed	N/A	50	150 x 150	31.0	0.80	9899 7014 18
P16/24	Performance plate for 16 and 24 range bolt, domed	3	170/190	152 x 152	40.6	1.02	9899 7006 34
P24L	Performance plate for 16 and 24 range bolts, domed with lance	3	170/190	152 x 152	40.6	1.02	9899 7030 35
P24C	Performance plate for Pm24 connectable bolt, domed	3	180	152 x 152	44.5	1.02	9899 7006 35
V16/24	Value plate for 16 and 24 range bolts	N/A	50	150x150	41.5	0.82	9899 7014 21
V24C	Value plate for connectables	N/A	50	150X150	41.5	0.82	9899 7021 10
RE12 4"x 4"	Rabbit ears plate for chain 1/3" or 3/8" chain , 4" square x 4" square L shaped	N/A	*capacity safety factor 6 Hanging capacity 5.4	102 x 102	31.0	0.25	9899 7030 34
RE12 5" x 5"	Rabbit ears plate for chain 1/3" or 3/8" chain , 5" square x 5" square L shaped	2	*capacity safety factor 6 Hanging capacity 5.4	127 x 127	31.0	1.70	9899 7033 20

## Swellex washers

Name	Description	Geometry (mm)	Indicative load capacity (kN)	Product number
MWR12	Mesh washer round for 12 range bolts	100 Round	10	3125 5400 00
MWS12	Mesh washer square for 12 range bolts	125 x 125	10	3125 5492 00
MWS24	Mesh washer square for 16 and 24 range bolts	125 x 125	10	3125 5655 00



# SWELLEX PNEUMATIC PUMPS

## Swellex pneumatic pump, PSP 300 RDP

Description	Weight (kg)	Product number
PSP 300 RDP (no installation arm included)	30.0	8613 2421 40
PSP 300 RDP including arm, chuck, manometer and hose for 12 series bolts (installation arm l=1.6m)	36.5	8613 2411 34
PSP 300 RDP including arm, chuck, manometer and hose for 16/24 series bolts (installation arm l=1.6m)	37	8613 2411 35

### Technical data

Max. working pressure for water	300 bar
Min. working pressure for air	6 bar
Air consumption at 6 bar, average	53 l/s
Inlet water pressure	2- 6 bar
Connections - air	Claw coupling (1/2")
Connections - water	Claw coupling (1/2")
Noise level op. ear, 4m away	Below 96 dB (A)
Vibrations in the installation arm	Not measurable
Length x width x height	280 x 850 x 320mm
Weight installation arm with valve and chuck	7.0 kg



# SWELLEX HYDRAULIC PUMPS

## Swellex hydraulic pumps, H1, H2R, and HC1-L

Description	Weight (kg)	Product number
H1	36.0	8613 1101 87
H2R high corrosion resistance, ALU/Bronze	36.0	9899 7081 40
HC1-L**	38.0	9899 7009 70
Technical data		
Inlet water pressure	2-20 bar	
Max. outlet water pressure	320 bar	
Max. supply water temperature	70°C	
Max. water output	14 l/min	
Hydraulic pressure	120 - 160 bar	
Hydraulic flow	40 l/min	
Vibrations in the installation arm	Not measureable	
CE marked	Yes	
Length x width x height	780 x 280 x 275 mm	
Weight of installation arm with valve and chuck	6.5 kg	
Weight of pump, manometer and hose	32 kg	
Weight of chuck only	1.0 kg	

\* Pump also available with special arm.

\*\* Data logging pumps



# SWELLEX ELECTRIC PUMPS

## Swellex electric pump E1, EC1-L

Description	Voltage	Weight (kg)	Product number
E1 Electric pump	200-220VD	80.0	9899 7007 06
	400 VY	80.0	9899 7007 07
	440VY-60Hz	80.0	9899 7007 08
	480VY-60Hz CSA	80.0	9899 7007 09*
	525VD-50Hz	80.0	9899 7007 10
	575VD-60Hz CSA	80.0	9899 7007 11*
EC1-L Electric pump**	400 V Europe	90.0	9899 7007 01
	480 V - 60Hz	90.0	9899 7007 03
	525V - 50 Hz	90.0	9899 7007 04
	575V Canada	90.0	9899 7007 05
Technical data		E1 Electric pump	EC1-L Electric pump
Max. working pressure for water		320 bar	320 bar
Inlet water pressure		2-20 bar	2-20 bar
Max. supply water temperature		40°C	40°C
Flow rate		14 l/min at 50 Hz	14 l/min at 50 Hz
Connection water		Claw coupling (1/2")	Claw coupling (1/2")
Noise level at op. ear, 4 m away		Below 60 dB (A)	Below 60 dB (A)
Vibration in the installation arm		Not measureable	Not measureable
Length x width x height		420 x 775 x 450mm	420 x 775 x 450mm
Weight installation arm with valve and chuck		6.5 kg	6.5 kg
Pump weight		80 kg	90 kg
Weight for hoses		2 kg	2 kg
Weight for chuck		1 kg	1 kg

\* c/w remote control connections as a standard feature

\*\*Data logging pumps

\*\*High pressure wash feature



# SWELLEX ACCESSORIES

## Installation arms with chuck for PSP300 RDP, H1, H1R and E1

Size	Description	Length (m)	Weight (kg)	Product number
12 series	Installation arm with chuck and manometer	1.6	12.0	8613 2430 20
16/24 series	Installation arm with chuck and manometer	1.6	13.0	8613 2430 21

## Installation arms with chuck for HC1-L/EC1-L

Size	Description	Length (m)	Weight (kg)	Product number
12 series	Installation arm with chuck and manometer	1.6	17.0	9899 7025 64
16/24 series	Installation arm with chuck and manometer	1.6	18.0	9899 7025 63

## Chucks

Size	Description	Weight (kg)	Product number
12 series	Chuck for installation arm	1.0	8613 2441 05
16/24 series	Chuck for installation arm	1.4	8613 2440 07
12 series	Sealing set*	0.01	6003 5593 00
16/24 series	Sealing set*	0.01	6003 6898 00

\*Sealing sets for all chucks include 1 set piston seals, 10 sets of seal rings

## Swellex Manometer

Size	Description	Weight (kg)	Product number
12 series chuck	Pressure gauge, 30mm	0.70	8613 1101 01
16/24 series chuck	Pressure gauge, 40mm	0.70	8613 1101 02

## Hose Set

Description	Length (m)	Product number
Hose set PSP (high and low pressure)	1.5	6003 2334 00
Hose set HC1/EC1 (high and low pressure)	1.5	9899 7009 36

## Dolly Kits

Description	Weight (kg)	Product number
SWX Dolly kit 12	10.3	9106 2016 40
SWX Dolly kit 16/24	11.4	9106 2016 41
SWX Dolly control	8.0	9899 7009 00

# SWELLEX QUALITY CONTROL

## Swellex pull test equipment

Ref.	Description	Weight (kg)	Product number
	Pull tester SWX manual hydraulic 300 kN including ref. no. 1,2,3,4,5	66.0	9899 7030 05
1	SWX-SDA-Rx pull tester hydraulic set manual	19.0	9899 7030 18
2	SWX-SDA-Rx pull test frame complete	20.8	9899 7026 37
3	SWX-SDA-Rx pull tester tools and accesory set	4.0	9899 7027 10
4	SWX for Pm/Mn12/16/24 grip kit	9.7	9899 7026 53
5	Box for pull tester	18.5	9899 7030 19

## Swellex steel sleeves - required for anchorage tests

Size	Description	Weight (kg)	Product number
Mn/Pm12 series	Sleeve, length 300mm	0.5	9899 7014 54
Mn/Pm16/24 series	Sleeve, length 300mm	0.8	9899 7006 76





# ***BOLTEC***

## ***– A COMPLETE SOLUTION***

Boltec performs exactly the way fully mechanized rockbolting equipment is expected to perform. It drills the hole and installs the bolt. Perfect installation that's fast and easy every time. Boltec is different when compared to other rockbolting equipment. It features constant feed

extension. Active hydraulic pressure locks the single feed into place so only the tools need to be changed. With the feed held firmly against the rock, the bolt is inserted directly in the hole and hits the bull's eye all the time, every time.

Boltec – the leading mechanized equipment for time saving and problem free rockbolting.

# *Sustainable Productivity*

We stand by our responsibilities towards our customers,  
towards the environment and the people around us.  
We make performance stand the test of time.  
This is what we call - Sustainable Productivity.

**Atlas Copco Secoroc AB**  
Box 521, SE-737 25 Fagersta, Sweden  
Phone: +46 223 461 00  
[www.atlascopco.com](http://www.atlascopco.com)

