



The retaining system for high pressure hoses

AS-ECO Selection parameters:		
Assembly: disconnect	For hoses DN5 - DN25 to R15 For hoses DN32 - DN50 to 4SH	
Outdoor: no	Chemistry: no	max. temperature: +100°C

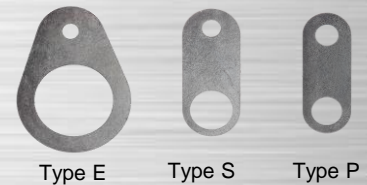
## Series AS-ECO ... the cost-effective alternative ...

The success of the Cablelock retaining system started in the year 2012 by winning the VTH innovation award. The series AS-ECO provides a reliable hose retaining system in the lower price segment due to the hose sided assembly with brackets. In contrast to the series Professional the series AS-ECO is not installable without disconnecting the hose from the machine. If this connection is disconnected, AS-ECO can be installed quickly and easily and has a lot more advantages to offer (compare the list below). Altogether Cablelock AS-ECO presents a good solution for a lot of original equipment manufacturers due to its attractive price because the installation of the retaining systems can be scheduled within the regular assembly process. For the series AS-ECO we also recommend the use of the self-adhesive or extra strong protection tape 'Cablelock-AS-Tape' on the hose side.



Retaining systems which are firmly braced on the hose prevent frayed wire cables!

### Bracket types:



### The 12 advantages of the series AS-ECO:

- very reasonable price
- compact length of cable bow for short whipping distances
- short installation time when the hose line is disconnected
- firmly braced on the hose side (see above)
- no sharp corners and edges on the hose side
- very detailed operating manual supplied with every delivery
- protection of the wire cable by a protective hose out of PA
- imprinted CE-label and identification letter
- tested with 1.5x operating pressure at minimum bending radius (see also page 1)
- very good overall impression
- special length even possible for small quantities
- made in Germany

### Technical data:

- for nominal hose diameters from DN5 to DN50
- for pressure stages from 250bar up to 450bar
- operating temperature -30°C up to +100°C
- materials steel galv./brass/light metal/PA
- ident length see [www.cablelock.de](http://www.cablelock.de)
- for more technical data see tables on the right

### Accessories (see page 20):

- AS-Tape as a protection for the outer rubber of the hose in case of pulsation/vibration
- table with tape length see [www.cablelock.de](http://www.cablelock.de)
- installation tools with all the tools needed to install the Cablelock and the tape

### Additional information:

- Sale only in packaging units of 10,15 or 20 pieces
- Pre-assembly of the tensioner lock by the customer

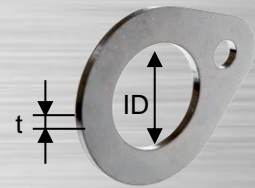
### Important operation notes:

Install the retaining system for safety reasons always in pressureless state!  
Always observe the information of the detailed operating manual supplied with the delivery!  
The series above is not suitable for outdoor use. For outdoor application please use the series INOX!  
Please note the list of residual risk at [www.cablelock.de](http://www.cablelock.de) - important information.

## Type AS-EE bracket type E: For union nut connection

Cost-effective retaining system with a 3, 4 or 5mm high tensile wire cable. For the hose types\* of DIN 20066 & union nut fittings (please note the information on the left page).

for hose*	bracket		for connection	max. operating pressure	length of cable bow approx.	cable OD	Ident. No.
	ID	t** approx					
DN5-DN8	12,5mm	2,0mm	6L	450bar	210-250mm	3mm	CL-AS-E125
DN5-DN8	14,5mm	2,0mm	8L-6S-1/4"	450bar	210-250mm	3mm	CL-AS-E145
DN5-DN8	17,0mm	2,0mm	10L-8S-3/8"	450bar	210-250mm	3mm	CL-AS-E170
DN8-DN10	18,5mm	2,0mm	12L-10S	450bar	220-270mm	3mm	CL-AS-E185
DN8-DN10	20,5mm	2,0mm	12S	450bar	220-270mm	3mm	CL-AS-E205
DN10-DN12	22,5mm	2,5mm	15L-14S-1/2"	450bar	230-290mm	3mm	CL-AS-E225
DN10-DN12	24,5mm	2,5mm	16S	450bar	230-290mm	3mm	CL-AS-E245
DN16-DN20	27,0mm	2,5mm	18L-3/4"	420bar	240-370mm	4mm	CL-AS-E270
DN16-DN20	30,5mm	3,0mm	22L-20S	420bar	240-370mm	4mm	CL-AS-E305
DN20-DN25	34,0mm	3,0mm	1"	380bar	300-370mm	4mm	CL-AS-E340
DN20-DN25	36,5mm	3,0mm	28L-25S	380bar	300-370mm	4mm	CL-AS-E365
DN20-DN25	42,5mm	3,0mm	30S	380bar	300-390mm	4mm	CL-AS-E425.1
DN32 up to 4SH	42,5mm		11/4"	325bar	340-390mm	5mm	CL-AS-E425.2
DN32 up to 4SH	45,5mm	3,0mm	35L	325bar	330-400mm	5mm	CL-AS-E455
DN40 up to 4SH			290bar				
DN40 up to 4SH	49,0mm	3,0mm	1 1/2"	290bar	330-420mm	5mm	CL-AS-E490
DN50 up to 4SH				250bar			
DN32 up to 4SH	52,5mm	3,0mm	38S	325bar	350-430mm	5mm	CL-AS-E525
DN40 up to 4SH			42L	290bar			
DN40 up to 4SH	61,0mm	3,0mm	2"	290bar	340-440mm	5mm	CL-AS-E610
DN50 up to 4SH				250bar			



## Type AS-ES bracket type S: Allen screws on SAE connection

Cost-effective retaining system with a 3, 4 or 5mm high tensile wire cable. For the hose types\* of DIN 20066 & SAE flanges (please note the information on the left page).

for hose*	bracket		for connection	max. operating pressure	length of cable bow approx.	cable OD	Ident. No.
	ID	t** approx					
DN12-DN16	8,5mm	4,0mm	SAE 1/2"3000 SAE 1/2"6000	450bar	230-290mm	4mm	CL-AS-S085
DN20-DN25	10,5mm	4,0mm	SAE 3/4"+1"3000 SAE 3/4"6000	380bar	290-360mm	4mm	CL-AS-S105.1
DN32 up to 4SH	10,5mm		SAE 1 1/4"3000	325bar	350-400mm	5mm	CL-AS-S105.2
DN20-DN25	12,5mm	4,0mm	SAE 1"6000	380bar	320-390mm	4mm	CL-AS-S125.1
DN32 up to 4SH	12,5mm		SAE 1 1/2"3000 SAE 2"3000	325bar	330-430mm	5mm	CL-AS-S125.2
DN40 up to 4SH			290bar				
DN50 up to 4SH			250bar				
DN25	14,5mm	4,0mm	SAE 1 1/4"6000	380bar	340-390mm	4mm	CL-AS-S145.1
DN32 up to 4SH	14,5mm		SAE 1 1/4"6000	325bar	370-430mm	5mm	CL-AS-S145.2
DN32 up to 4SH	16,5mm	4,0mm	SAE 1 1/2"6000	325bar	350-430mm	5mm	CL-AS-S165
DN40 up to 4SH				290bar			
DN40 up to 4SH	20,5mm	4,0mm	SAE 2"6000	290bar	340-440mm	5mm	CL-AS-S205
DN50 up to 4SH				250bar			



## Type AS-EP bracket type P: Universal mounting - screw hole

Cost-effective retaining system with a 3, 4 or 5mm high tensile wire cable. For the hose types\* of DIN 20066 & fittings (please note the information on the left page).

for hose*	bracket		for connection	max. operating pressure	length of cable bow approx.	cable OD	Ident. No.
	ID	t** approx					
DN5-DN12	9,0mm	3,0mm	free drilling fixation point	450bar	250-320mm	3mm	CL-AS-P090
DN16-DN25	11,0mm	4,0mm		380bar	260-350mm	4mm	CL-AS-P110
DN32 up to 4SH	13,0mm	4,0mm		325bar	320-440mm	5mm	CL-AS-P130
DN40 up to 4SH				290bar			
DN50 up to 4SH				250bar			



\* For 1SN, 2SN, 1SC, 2SC, 4SP, 4SH, R13, R15 - ALWAYS considering maximum operating pressure mentioned above.

\*\* The ECO-bracket thickness usually fits standard fittings without clamps; please check this dimension anyway.