Vertical toggle clamp

SLV

Retained by pressure

- ***Two materials to choose from***
- *Materials:*
  SLV *body: zinc plated steel*
  SCH/SS *body: stainless steel 18.9 (303)*
  Rivets: stainless steel
  Fastening pin and nuts: phosphated steel
  Handle: oil-resistant plastic
- *With fixing base and adjustable fastening pin*

steel or stainless steel

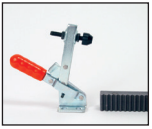


Advantages

- *The angle between retaining arm to the handle can be adjusted by removing the gudgeon*

Options

- *Mounting bracket (please ask us)*



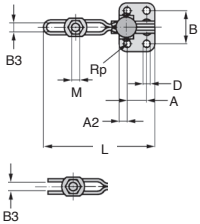


Typical application

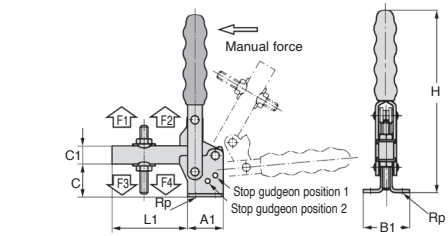
Part number Steel	Part number Stainless steel	Opening angle of retaining arm Pos.1	Opening angle of retaining arm Pos.2	Opening angle of retaining arm without gudgeon	Opening angle of handle Pos.1	Opening angle of handle Pos.2	Opening angle of handle without gudgeon	A1	B1	H
SLV-0075	SLV-0075SS	130°	-	160°	90°	-	100°	25	34	94
SLV-0100	-	95°	-	185°	65°	-	105°	29	34	98
SLV-0150	SLV-0150SS	95°	-	185°	75°	-	110°	27	38	121
SLV-0200	-	105°	-	175°	70°	-	95°	35	42	135
SLV-0250	SLV-0250SS	95°	125°	160°	70°	85°	100°	35	45	175
SLV-0300	-	105°	-	160°	65°	-	90°	43	53	186
SLV-0350	-	90°	120°	180°	70°	80°	110°	50	64	220
SLV-0450	-	90°	125°	180°	70°	85°	110°	53	64	228
SLV-0550	-	90°	120°	180°	65°	80°	110°	76	95	312

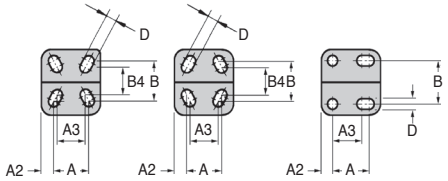
Part number Steel	Part number Stainless steel	Manual force (N)	Holding force F1(N)	Holding force F2(N)	Locking force F3(N)	Locking force F4(N)	C	C1	L1
SLV-0075	SLV-0075SS	80	700	1100	500	750	16	9,0	32
SLV-0100	-	80	700	1000	500	800	22	9,5	38
SLV-0150	SLV-0150SS	120	1350	1650	800	1050	23	11,0	43
SLV-0200	-	100	1000	2200	950	1350	30	12,7	44
SLV-0250	SLV-0250SS	190	1000	2800	900	1700	32	17,5	75
SLV-0300	-	130	2000	3700	900	1850	34	19,0	100
SLV-0350	-	230	2200	4500	1400	3000	43	22,0	95
SLV-0450	-	260	3200	7000	1400	3000	51	25,0	124
SLV-0550	-	290	3000	8000	1800	3900	84	32,0	156

**Subject to availability - Dimensions in mm*



Securing arm open for SLV-0100, SLV-0200, and SLV-0300





Hole template for part number SLV-0100

Hole template for part number SLV-0200

Hole template for part number SLV-0300

DISCOUNTS

Qty	1+	6+	15+	20+
Disc.	List	-5%	-10%	On request

Part number	A	A2	A3	B	B3	B4	D	L	M	Stock*	Price each 1 to 5
Steel											
SLV-0075	16,0	5,0	-	24,0	5,5	-	4,4	57	M5x35	✔	23,10 €
SLV-0100	16,0	6,0	14,0	24,0	5,5	17,5	4,8	67	M5x35	✔	22,84 €
SLV-0150	12,7	7,0	-	27,0	6,4	-	5,1	70	M6x50	✔	26,30 €
SLV-0200	19,0	8,0	12,7	27,0	6,3	25,0	5,5	79	M6x50	✔	26,32 €
SLV-0250	19,0	8,0	-	32,0	8,8	-	7,1	110	M8x60	✔	40,64 €
SLV-0300	25,0	9,0	19,0	34,5	8,8	-	8,0	143	M8x60	✔	48,95 €
SLV-0350	32,0	9,0	-	45,0	10,6	-	8,3	145	M10x80	✔	54,65 €
SLV-0450	32,0	10,0	-	45,0	12,7	-	8,7	177	M12x100	✔	69,46 €
SLV-0550	51,0	12,5	-	70,0	16,5	-	12,3	232	M16x150	-	93,19 €
Stainless steel											
SLV-0075SS	16,0	5,0	-	24,0	5,5	-	4,4	57	M5x35	✔	58,46 €
SLV-0150SS	12,7	7,0	-	27,0	6,4	-	5,1	70	M6x50	✔	75,14 €
SLV-0250SS	19,0	8,0	-	32,0	8,8	-	7,1	110	M8x60	✔	105,12 €

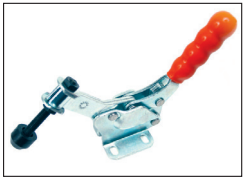
**Subject to availability - Dimensions in mm*

Horizontal toggle clamp

SLH

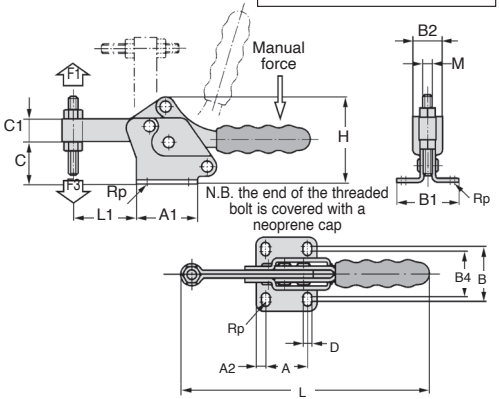
Secures by direct pressure

- *Materials:*
  Body: zinc plated steel
  Fastening pin and nuts: phosphated steel
  Handle: Oil resistant plastic
- *With fixing base and adjustable fastening pin*



Options

- *Mounting bracket (please ask us)*



DISCOUNTS

Qty.	1+	6+	15+	20+
Disc.	List	-5%	-10%	On request

Part number	Opening angle of securing arm Pos. 1	Opening angle of handle Pos. 1	Manual force (N)	Manual force F1(N)	Securing force F3(N)
SLH-0075	90°	75°	80	750	320
SLH-0150	90°	80°	140	1500	650

Part number	A	A1	A2	B	B1	B2	B4	C	C1	D	H	L	L1	M	Stock*	Price each 1 to 5
SLH-0075	13,5	25	5,7	16,8	27	16	-	19	9,5	5,2	38	108	24,5	M5x35	✔	26,30 €
SLH-0150	26,0	38	6,0	28,0	40	20	22	25	14,0	5,5	53	155	38,0	M6x50	✔	31,01 €

**Depending on availability - Dimensions in mm*

- **2 materials to choose from**
- Materials:
  SCH body: zinc plated steel
  SCH/SS body: stainless steel 18.9 (303)
  Handle: Oil-resistant plastic
- Supplied with anchoring base

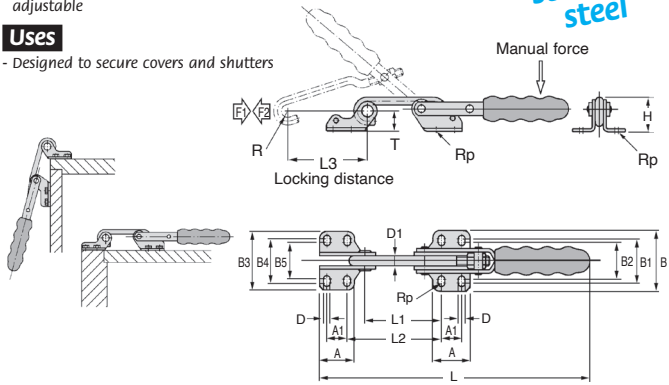


Advantages

- Distance of hook from toggle clamp easily adjustable

Uses

- Designed to secure covers and shutters



DISCOUNTS

Qty	1+	6+	15+	20+
Disc.	List	-5%	-10%	On request

Size	Traction force F1 (N)	Pressure F2 (N)	Manual force (N)	Handle opening angle	L	L1	L2	Locking distance L3	A	A1
SCH-01	1500	2000	100	155°	161	45	58	70	26	13
SCH-02	3000	4000	160	155°	248	68	84	90	35	19
SCH-04	4000	7000	200	155°	310	84	104	115	51	32

Part number Steel	Part number Stainless steel	B	B1	B2	B3	B4	B5	D	D1	H	R	T	Stock* Steel	Stock* StS	Price each 1 to 5 Steel	Price each 1 to 5 StS
SCH-0130	SCH-0130SS	39	27,0	22,2	43	31	26	5,2	6	26	6	13,5	✔	✔	56,66 €	66,07 €
SCH-0270	SCH-0270SS	52	36,0	29,0	57	41	34	6,5	8	35	7	20,0	✔	✔	83,73 €	99,85 €
SCH-0430	SCH-0430SS	72	52,5	43,5	78	59	50	8,5	12	49	10	27,0	-	-	106,05 €	208,47 €

*Depending on availability - Dimensions in mm

Vertical stirrup toggle clamp

SEV

Hook fastening

- ***2 materials to choose from***
- *Materials:*
  SEV *body: zinc plated steel*
  SEV/SS *body: stainless steel 18.9 (303)*
  Handle: Oil-resistant plastic
- *Supplied with anchoring base*

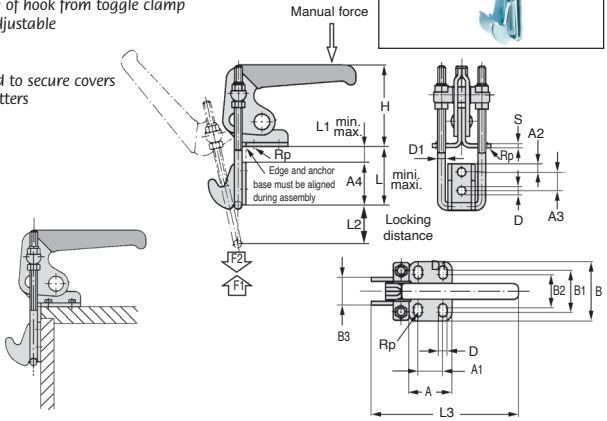


Advantages

- *Distance of hook from toggle clamp easily adjustable*

Uses

- *Designed to secure covers and shutters*



DISCOUNTS

Qty	1+	6+	15+	20+
Disc.	List	-5%	-10%	On request

Size	Traction force F1(N)	Pressure F2(N)	Manual force (N)	Opening angle of handle	Adjustable distance L Min.	L Max.	L1 Min.	L1 Max.	Locking distance L2	L3
SEV-01	1800	2000	100	145°	25	49	1	25	22	76
SEV-02	2700	4000	150	145°	33	60	1	28	34	115
SEV-04	4500	7000	200	145°	41	80	1	40	45	152

Part number Steel	Part number Stainless steel	A	A1	A2	A3	A4	B	B1	B2	B3	D	D1	H	S	Price each 1 to 5 Steel	Price each 1 to 5 StS
SEV-0140	SEV-0140SS	26	13	4,5	11	24	36	24	19	16	5,2	4	42	2,5	52,74 €	68,27 €
SEV-0250	SEV-0250SS	35	19	6,0	14	32	48	33	26	21	6,5	6	64	3,0	77,93 €	96,04 €
SEV-0450	SEV-0450SS	51	32	8,0	19	40	64	45	36	28	8,5	8	85	4,0	130,58 €	182,27 €

Dimensions in mm

Hook fastening

SEH



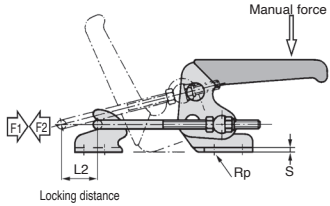
- ***2 materials to choose from***
- *Materials:*
  SEH *body: zinc plated steel*
  SEH/SS *body: stainless steel 18.9 (303)*
  Handle: Oil-resistant plastic
- *Supplied with anchoring base*

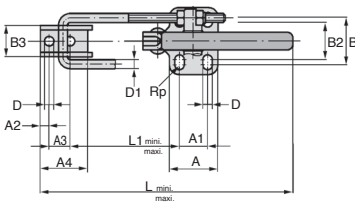
Advantages

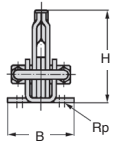
- *Distance of hook from toggle clamp easily adjustable*

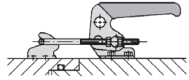
Uses

- *Designed to secure covers and shutters*









DISCOUNTS

Qty.	1+	6+	15+	20+
Disc.	List	-5%	-10%	On request

Size	Traction force F1(N)	Pressure F2(N)	Manual force (N)	Opening angle	B	B1	B2	H	Adjustable distance L min.	L max.	L1 min.	L1 max.	Locking distance L2
SEH-01	1800	2000	100	120°	36	24	19	42	105	135	38	68	16
SEH-02	2700	4000	150	120°	48	33	26	64	145	185	45	85	24
SEH-04	4500	7000	200	120°	64	45	36	85	190	250	65	120	32

Part number Steel	Part number Stainless steel	A	A1	A2	A3	A4	B3	D	D1	S	Price each 1 to 5 Steel	Price each 1 to 5 StS
SEH-0140	SEH-0140SS	26	13	4,5	11,0	23	16	5,2	4	2,5	52,74 €	59,73 €
SEH-0250	SEH-0250SS	35	19	6,0	14,0	32	21	6,5	6	3,0	77,93 €	89,47 €
SEH-0450	SEH-0450SS	51	32	8,0	19,0	40	28	8,5	8	4,0	130,58 €	181,97 €

Dimensions in mm

Horizontal toggle clamp

SLHH LOK — With locking mechanism

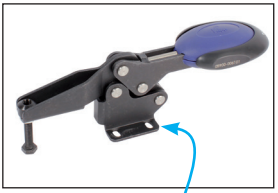
High quality swivel bush with horizontal foot and adjustable spindle

Constant level of force during both opening and closing

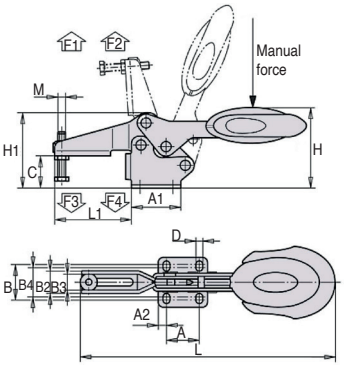
Increased stability thanks to U-shaped clamping arm

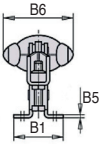
Fitted with automatic locking mechanism

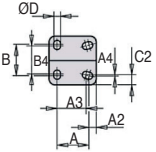
- *Materials :*
  - *Nitro carburised steel with blackened finish*
  - *Polyamide handle*
  - *Locking mechanism TPE*



Horizontal base







Hole positions

DISCOUNTS

Qty	1+	6+	15+	20+
Disc.	List	-5%	-10%	On request

Part number	Opening angle Holding arm	Handle	Manual force N	Holding force F1 (N)	Holding force F2 (N)	Clamping force F3 (N)	Clamping force F4 (N)	H	H1	L	L1
SLHH-6/LOK	87°	68°	160	1350	1900	720	1200	63,3	59,5	193,3	60,5
SLHH-8/LOK	86°	66°	200	2000	2800	830	1400	73,9	70	230,3	74,9
SLHH-10/LOK	90°	71°	250	2200	4500	1200	2800	94,8	87,9	286	103,9
SLHH-12/LOK	88°	68°	280	2400	5500	1000	2800	104,9	101,6	321,3	122

Part number	M	A	A1	A2	A3	A4	B	B1	B2	B3	B4	B5	B6	C	C2	ØD	Price each 1 to 5
SLHH-6/LOK	M6x35	26	39	6,5	-	-	28	39	17,5	12,4	24,6	53,4	53,4	25,5	-	5,5	72,60 €
SLHH-8/LOK	M8x45	26	44	9	-	-	31	45	21	15,7	26,1	51,1	51,1	32,2	-	6,2	73,90 €
SLHH-10/LOK	M10x55	41,5	59	9	-	-	43	59	26	18,7	39	56,5	56,5	40	-	8,8	99,13 €
SLHH-12/LOK	M12x70	44	65	10	40	1	42	67	28	20,9	40	56,5	56,5	52,3	13,5	8,5	103,39 €

Dimensions in mm

Horizontal toggle clamp

With locking mechanism — SLHV LOK

High quality swivel bush with horizontal foot and adjustable spindle

Constant level of force during both opening and closing

Increased stability thanks to U-shaped clamping arm

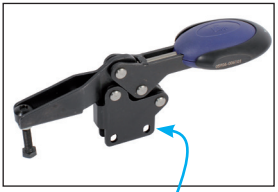
Fitted with automatic locking mechanism

-Material :

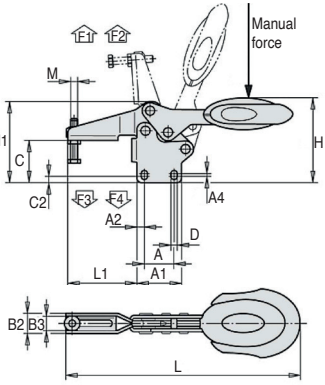
Nitro carburised steel with blackened finish

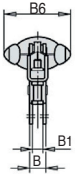
Polyamide handle

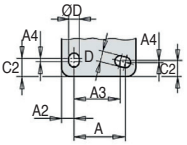
Locking mechanism TPE



Vertical base







Hole positions

DISCOUNTS

Qty	1+	6+	15+	20+
Disc.	List	-5%	-10%	On request

Part number	Opening angle Holding arm	Handle	Manual force N	Holding force F1 (N)	Holding force F2 (N)	Clamping force F3 (N)	Clamping force F4 (N)	H	H1	L	L1
SLHV-6/LOK	87°	68°	160	1350	1900	720	1200	74,3	71	193,7	60,5
SLHV-8/LOK	86°	66°	200	2000	2800	830	1400	88,3	84,4	230,3	74,9
SLHV-10/LOK	90°	71°	250	2200	4500	1200	2800	114,4	107,5	286,4	103,9
SLHV-12/LOK	88°	68°	280	2400	5500	1000	2800	128,5	125,2	321,3	122

Part number	M	A	A1	A2	A3	A4	B	B1	B2	B3	B6	C	C2	ØD	Price each 1 to 5
SLHV-6/LOK	M6x35	26	39	6,5	-	2,5	14,1	9,1	17,5	12,4	53,4	37	5,5	5,5	72,60 €
SLHV-8/LOK	M8x45	26	44	9	-	3,5	14,1	9,1	21	15,7	51,1	46,5	7	6,2	73,90 €
SLHV-10/LOK	M10x55	41,5	59	9	-	2	16,2	9,2	26	18,7	56,5	59,6	8	8,8	99,13 €
SLHV-12/LOK	M12x70	44	65	10	40	1	16,2	9,2	28	20,9	56,5	75,9	13,5	8,5	103,39 €

Dimensions in mm

Vertical toggle clamp

SLVH LOK — With locking mechanism

High quality swivel bush with vertical foot and adjustable spindle

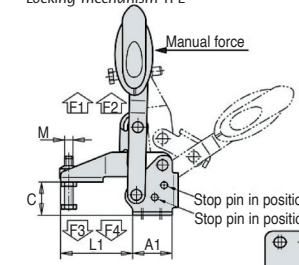
Constant level of force during both opening and closing

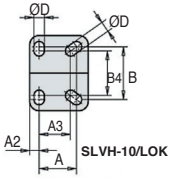
Increased stability thatks to U-shaped clamping arm

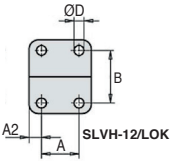
Fitted with automatic locking mechanism

- *Material :*
  - *Nitro carburised steel with blackened finish*
  - *Polyamide handle*
  - *Locking mechanism TPE*









DISCOUNTS

Qty	1+	6+	15+	20+
Disc.	List	-5%	-10%	On request

Part number	Opening angle (holding arm) Pos. 1	Pos. 2	Stop pin removed	Opening angle (Handle) Pos. 1	Pos. 2	Stop pin removed	Manual force (N)	Holding force F1 (H)	F2 (H)	Clamping force F3 (H)	F4 (H)
SLVH-6/LOK	56°	83°	156°	46°	56°	84°	160	1350	1650	920	1050
SLVH-8/LOK	13°	93°	157°	26°	61°	86°	190	2000	2800	940	1350
SLVH-10/LOK	6°	97°	175°	19°	59°	91°	250	2500	4500	1500	2800
SLVH-12/LOK	11°	88°	163°	24°	60°	91°	280	3000	5500	1400	2800

Part number	M	A	A1	A2	A3	B	B1	B2	B3	B4	B6	C	ØD	H	L	L1	Price each 1 to 5
SLVH-6/LOK	M6x35	14	29	7	12	27	38	17,5	12,4	-	53,4	24,7	5,5	162,9	86,5	53	70,38 €
SLVH-8/LOK	M8x45	21	39	9	19	32	45	20,6	15,5	-	51,1	32,7	6,8	191,4	107	62	73,44 €
SLVH-10/LOK	M10x55	32	50	8	27	45	64	25,5	18,4	38	56,5	38,7	9	230,5	153	95	100,63 €
SLVH-12/LOK	M12x70	32	53	10,5	-	45	63	28	20,9	-	56,5	46,7	8,8	249,1	173,5	113,5	104,03 €

Dimensions in mm

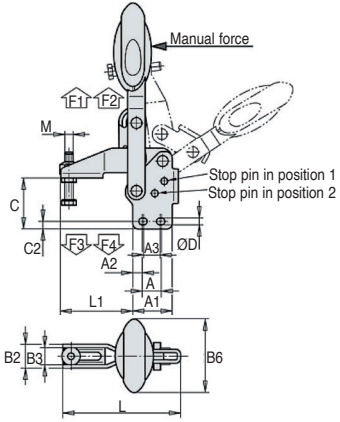
Vertical toggle clamp

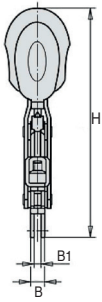
With locking mechanism — SLVV LOK

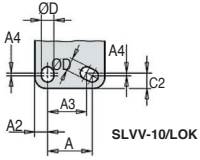
High quality swivel bush with vertical foot and adjustable spindle

Constant level of force during both opening and closing
Increased stability thanks to U-shaped clamping arm
Fitted with automatic locking mechanism
- *Material :*
  Nitro carburised steel with blackened finish
  Polyamide handle
  Locking mechanism TPE

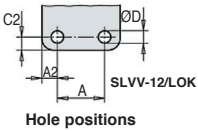








Hole positions



Hole positions

DISCOUNTS

Qty	1+	6+	15+	20+
Disc.	List	-5%	-10%	On request

Part number	Opening angle (Holding arm) Pos. 1	Pos. 2	Stop pin removed	Opening angle (Handle) Pos. 1	Pos. 2	Manual force (N)	Holding force F1 (N)	F2 (N)	Clamping force F3 (N)	F4 (N)
SLVV-6/LOK	56°	83°	156°	46°	56°	160	1350	1650	920	1050
SLVV-8/LOK	13°	93°	157°	26°	61°	190	2000	2800	940	1350
SLVV-10/LOK	6°	97°	175°	19°	59°	250	2500	4500	1500	2800
SLVV-12/LOK	11°	88°	163°	24°	60°	280	3000	5500	1400	2800

Part number	M	A	A1	A2	A3	A4	B	B1	B2	B3	B6	C	C2	ØD	H	L	L1	Price each 1 to 5
SLVV-6/LOK	M6x35	14	29	7	12	-	10,2	5,2	17,5	12,4	53,4	37,6	5,5	5,5	175,7	86,5	53	70,38 €
SLVV-8/LOK	M8x45	21	39	9	19	-	10,2	5,2	20,6	15,5	51,1	49	6,5	6,8	207,6	107	62	73,44 €
SLVV-10/LOK	M10x55	32	50	8	27	3,5	14,1	7,1	25,5	18,4	56,5	62,3	13	9	254	153	95	100,63 €
SLVV-12/LOK	M12x70	32	53	10,5	-	-	14,1	7,1	28	20,9	56,5	69,8	9	8,8	271,9	173,5	113,5	104,03 €

Dimensions in mm

Nut for toggle clamps

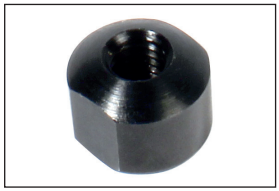
SLH-M

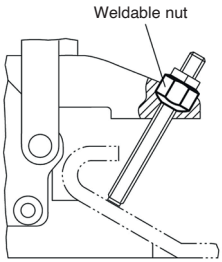
Round ended nut

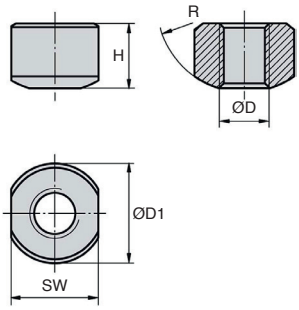
- **Nut for toggle clamps**
- Material : steel
- Finish : oxidised

Advantage

- Nut can be welded







DISCOUNTS

Qty	1+	6+	15+	20+
Disc.	List	-5%	-10%	On request

Part number	ØD	H	ØD1	SW	R	Price each 1 to 5
SLH-M4	M4	5,2	8	7	7	3,36 €
SLH-M5	M5	6,7	10	9	9	3,55 €
SLH-M6	M6	9,5	13,5	12,2	10	3,89 €
SLH-M8	M8	12,8	18	15,3	12	4,44 €
SLH-M10	M10	12,1	20	18,2	14	4,74 €
SLH-M12	M12	14,8	23	20	16	5,14 €

Dimensions in mm

Durable and reliable: *More reliable, more user-friendly and safer. These clamps are quick to use, reliable and accurate. The use of high quality materials ensures a long working life.*

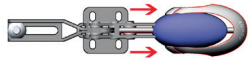
Advantages

- ***Extrememly tough :*** *All models will withstand 300,000 clamping cycles without problems*
- ***Durable:*** *high quality scratch resistant hinge pin*
- ***Extremely robust :*** *tCorrosion-resistant NITROX coating*
- ***Easy to use:*** *The fixed headed nut facilitates spindle adjustment*
- ***Reliable:*** *Constant level of force during both opening and closing*
- ***Ideal where space is restricted:*** *The slim design allows sufficient space for safe operation*
- ***Robust by design:*** *Thanks to use of U-shaped conical clamping arm*
- ***Safe to use:*** *No sharp edges prevent risk of anything getting trapped*
- ***Quick to put into operation:*** *Can be easily modified thanks to a wide range of accessories*
- ***Ergonomic design:*** *Easy to operate whilst wearing work gloves*
- ***Reflection free finish:*** *Suitable for use around lasers*
- ***Risk free use:*** *With increased space between clamping arm and handle avoids risks of squashing*
- ***Extremely adaptable:*** *Rectangular mounting holes allows installation on existing fixing points*
- ***Efficient clamping and locking:*** *The integrated design avoids any risks of squashing. Easy to use even whilst wearing gloves.*

Locking mechanism - Principal of operation:



1. Locked in closed position. Redesigned handle ensures safe operation as the smooth contours avoid any risk of anything being trapped.



2. Inner locking mechanism with automatic safety catch. The lock is released by pulling the handle.



3. Locked in open position. Releasing the handle engages the locking mechanism.

