

WORM-DRIVE HOSE CLIP ASFA-L W1 9mm

CODE	Product name	Quantity in package
03008753	OPNM-8/16 - ASFA-L WORM-DRIVE HOSE CLIP 8-16 W1	800
03008761	OPNM-12/22 - ASFA-L WORM-DRIVE HOSE CLIP 12-22 W1	800
03008770	OPNM-16/27 - ASFA-L WORM-DRIVE HOSE CLIP 16-27 W1	800
03008788	ASFA-L WORM-DRIVE HOSE CLIP 20-32 W1	800
03008796	ASFA-L WORM-DRIVE HOSE CLIP 25-40 W1	400
03008809	ASFA-L WORM-DRIVE HOSE CLIP 30-45 W1	400
03008817	ASFA-L WORM-DRIVE HOSE CLIP 32-50 W1	400
03008825	ASFA-L WORM-DRIVE HOSE CLIP 40-60 W1	400
03008833	ASFA-L WORM-DRIVE HOSE CLIP 50-70 W1	100
03008841	ASFA-L WORM-DRIVE HOSE CLIP 60-80 W1	100
03008850	ASFA-L WORM-DRIVE HOSE CLIP 70-90 W1	50
03008868	ASFA-L WORM-DRIVE HOSE CLIP 80-100 W1	50
03008876	ASFA-L WORM-DRIVE HOSE CLIP 90-110 W1	25
03008884	ASFA-L WORM-DRIVE HOSE CLIP 100-120 W1	25
03008892	ASFA-L WORM-DRIVE HOSE CLIP 110-130 W1	25
03008905	ASFA-L WORM-DRIVE HOSE CLIP 120-140 W1	25
03008913	ASFA-L WORM-DRIVE HOSE CLIP 130-150 W1	25
03008921	ASFA-L WORM-DRIVE HOSE CLIP 140-160 W1	25



WORM-DRIVE HOSE CLIP MICRO W2 semi-open from HANA itc...

CODE	Product name	Quantity in package
03016401	WORM-DRIVE HOSE CLIP MICRO W2 semi-open 7-11 W2	100
03016410	WORM-DRIVE HOSE CLIP MICRO W2 semi-open 11-19 W2	100
M507	OTS-7/11 - Worm drive clip Ø7-11mm MINI R W2 5mm 7-11	100
M509	WORM-DRIVE HOSE CLIP MICRO W2 5mm 9-14	100
M510	WORM-DRIVE HOSE CLIP MICRO W2 5mm 10-19	100



WORM-DRIVE HOSE CLIP ASFA-L W2 9mm

CODE	Product name	Quantity in package
03016508	ASFA-L WORM-DRIVE HOSE CLIP 8-12 W2	200
03016516	ASFA-L WORM-DRIVE HOSE CLIP 8-16 W2	200
03016524	ASFA-L WORM-DRIVE HOSE CLIP 12-22 W2	200
03016532	ASFA-L WORM-DRIVE HOSE CLIP 16-27 W2	200
03016540	ASFA-L WORM-DRIVE HOSE CLIP 20-32 W2	200
03016559	ASFA-L WORM-DRIVE HOSE CLIP 25-40 W2	100
03016567	ASFA-L WORM-DRIVE HOSE CLIP 30-45 W2	100
03016575	ASFA-L WORM-DRIVE HOSE CLIP 32-50 W2	100
03016583	ASFA-L WORM-DRIVE HOSE CLIP 40-60 W2	100
03016591	ASFA-L WORM-DRIVE HOSE CLIP 50-70 W2	100
03016604	ASFA-L WORM-DRIVE HOSE CLIP 60-80 W2	100
03016612	ASFA-L WORM-DRIVE HOSE CLIP 70-90 W2	50
03016620	ASFA-L WORM-DRIVE HOSE CLIP 80-100 W2	50
03016639	ASFA-L WORM-DRIVE HOSE CLIP 90-110 W2	25
03016647	ASFA-L WORM-DRIVE HOSE CLIP 100-120 W2	25
03016655	ASFA-L WORM-DRIVE HOSE CLIP 110-130 W2	25
03016663	ASFA-L WORM-DRIVE HOSE CLIP 120-140 W2	25
03016671	ASFA-L WORM-DRIVE HOSE CLIP 130-150 W2	25
03016680	ASFA-L WORM-DRIVE HOSE CLIP 140-160 W2	25
03016700	ASFA-L WORM-DRIVE HOSE CLIP 150-170 W2	25



Screwdriver for worm drive hose clip

CODE	Product name	Quantity in package
03091036	OPS-5 - Screwdriver for worm drive hose clip 7mm	1



Butterfly to the worm band



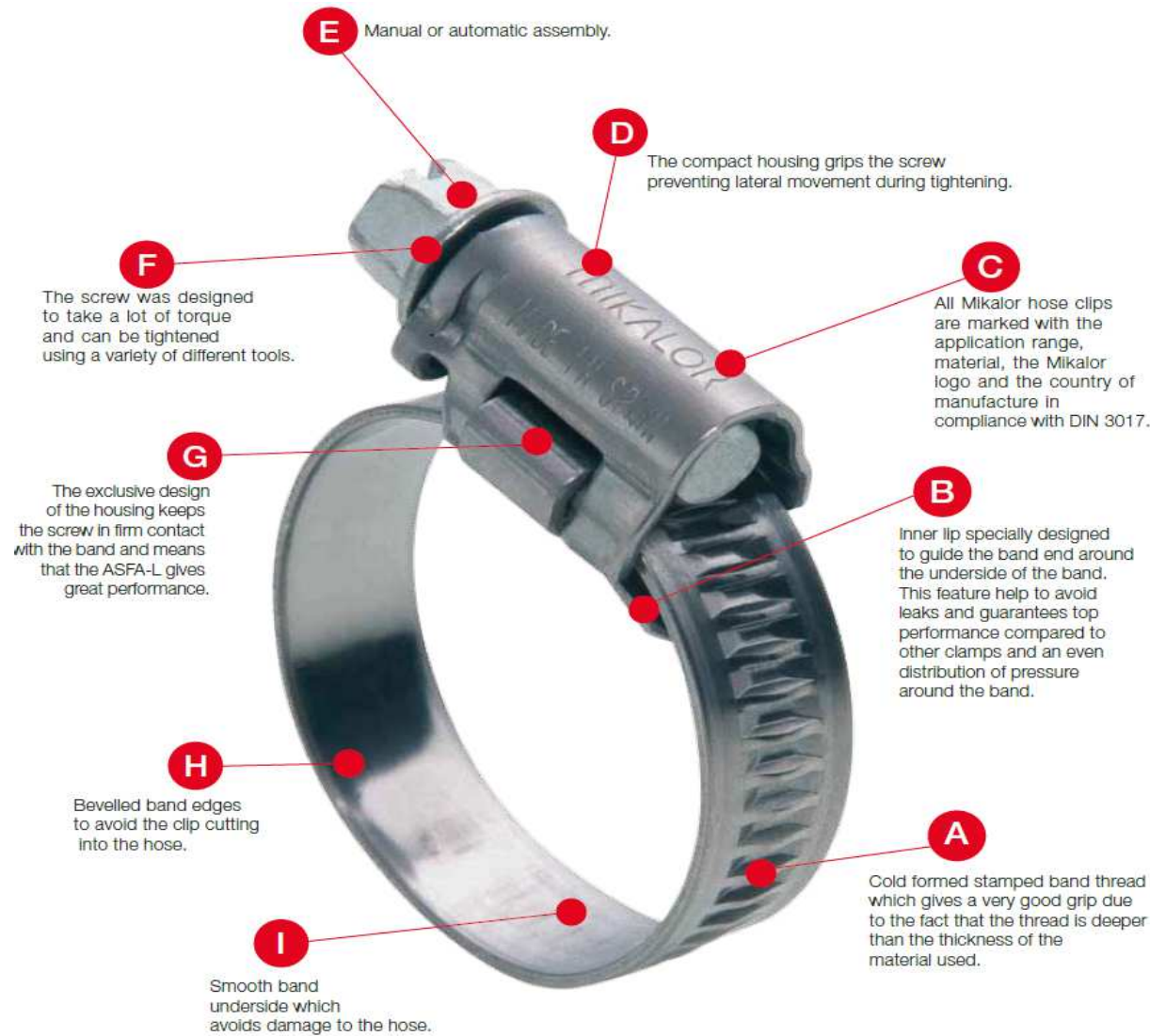
WORM-DRIVE HOSE CLIP ASFA-L W3 9mm czarna

CODE	Product name	Quantity in package
73016011	ASFA-L WORM-DRIVE HOSE CLIP 8-16 W3 BLACK - most popular	200
73016020	ASFA-L WORM-DRIVE HOSE CLIP 12-22 W3 BLACK - most popular	200
73016038	ASFA-L WORM-DRIVE HOSE CLIP 16-27 W3 BLACK - most popular	200
73016046	ASFA-L WORM-DRIVE HOSE CLIP 20-32 W3 BLACK	200
73016054	ASFA-L WORM-DRIVE HOSE CLIP 20-35 W3 BLACK	100
73016062	ASFA-L WORM-DRIVE HOSE CLIP 25-40 W3 BLACK	100
73016070	ASFA-L WORM-DRIVE HOSE CLIP 30-45 W3 BLACK	100
73016087	ASFA-L WORM-DRIVE HOSE CLIP 35-55 W3 BLACK	500
73016089	ASFA-L WORM-DRIVE HOSE CLIP 32-50 W3 BLACK	100
73016095	ASFA-L WORM-DRIVE HOSE CLIP 40-60 W3 BLACK	100
73016100	ASFA-L WORM-DRIVE HOSE CLIP 50-70 W3 BLACK	100
73016118	ASFA-L WORM-DRIVE HOSE CLIP 60-80 W3 BLACK	100
73016126	ASFA-L WORM-DRIVE HOSE CLIP 70-90 W3 BLACK	50
73016134	ASFA-L WORM-DRIVE HOSE CLIP 80-100 W3 BLACK	50



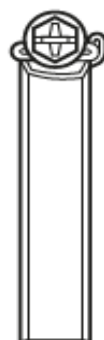
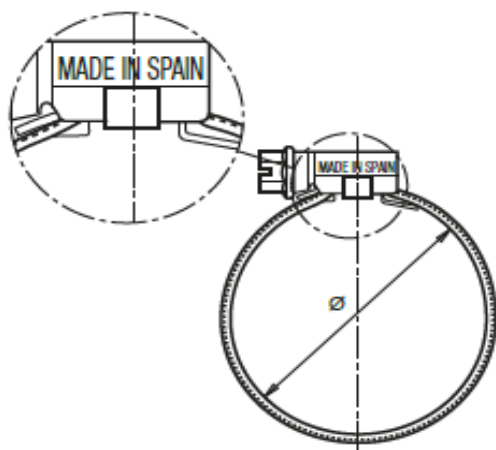
ASFA[®] - L

worm-drive hose clips



ASFA- L[®] worm-drive hose clips

Bandwidth 9 mm.



W1 W2



W3 W4 W5



Material specification:

W1

Screw:

Qst 36-3 Mild steel
(DIN 1.0213)
Silver-white Cr3 Zinc-Plated

Band and Housing:

Galvanized steel
S/EN 10292 (DIN 1.0935)

W2

Screw:

Qst 36-3 Mild steel
(DIN 1.0213)
Silver-white Cr3 Zinc-Plated

Band and Housing:

X6Cr17 Stainless steel
(DIN 1.4016) (AISI-430)

W3

Screw:

AISI 430 Stainless steel

Band and housing:

Stainless steel
X6Cr17 (DIN 1.4016)
(AISI-430)

W4

Screw:

AISI-304 Cu (A2)
Stainless steel

Band and Housing:

X5CrNi1810
Stainless steel
(DIN 1.4301) (AISI-304) (A2)

W5

Screw:

AISI-316 Cu Stainless steel (A4)

Band and Housing:

X5CrNiMo 17.12.2
Stainless steel(DIN 1.4401)
(AISI-316) (A4)

ASFA[®] - L *worm-drive hose clips*

Application Ø		Part n°	Part n°	Part n°	Part n°	Part n°
mm	Inches	W1	W2	W3	W4	W5
8-12	5/16-15/32	03008745	03016508	-	03014000	-
8-16	5/16-5/8	03008753	03016516	03016014	03014019	03015759
12-22	1/2-7/8	03008761	03016524	03016022	03014027	03015767
16-27	5/8- 1 1/16	03008770	03016532	03016030	03014035	03015775
20-32	3/4 - 1 1/4	03008788	03016540	03016049	03014043	03015783
25-40	1- 15/8	03008796	03016559	03016065	03014051	03015804
30-45	1 1/8 - 1 3/4	03008809	03016567	03016073	03014060	03015812
32-50	1 1/4 - 1 7/8	03008817	03016575	03016081	03014078	03015820
40-60	1 5/8 - 2 3/8	03008825	03016583	03016090	03014086	03015839
50-70	1 7/8 - 2 3/4	03008833	03016591	03016102	03014094	03015847
60-80	2 3/8 - 3 1/8	03008841	03016604	03016110	03014107	03015855
70-90	2 3/4 - 3 1/2	03008850	03016612	03016129	03014115	03015863
80-100	3 1/8 - 4	03008868	03016620	03016137	03014123	03015871
90-110	3 1/2 - 4 3/8	03008876	03016639	03016145	03014140	03015880
100-120	4 - 4 1/2	03008884	03016647	03016153	03014158	03015898
110-130	4 3/8 - 5	03008892	03016655	03016161	03014166	03015900
120-140	4 1/2 - 5 1/2	03008905	03016663	03016170	03014174	03015919
130-150	5 - 5 3/4	03008913	03016671	03016188	03014182	03015927
140-160	5 1/2 - 6 1/4	03008921	03016680	03016196	03014190	03015935

* The maximum application pressure can vary depending on the type of hose used and the geometry of the coupling.
Patented Worldwide.



ASFA “L” Worm-Drive Clip (Black Finish)

Thanks to the exclusive design of the housing, the ASFA “L” W3 hose clip has excellent performance while being at the same time very compact.

The cold-formed stamped band thread, smoothed on the underside, combined with the beveled band edges protects the hose from any damage.

The ASFA “L” W3 hose clip complies fully with the DIN 3017 norm and also with the RoHS directive EU 2002/95/EC dated 1st July 2006.

The special black finish gives added corrosion resistance and makes this clip very popular in automotive and defense applications, as well as in the manufacture of agricultural and construction machinery.

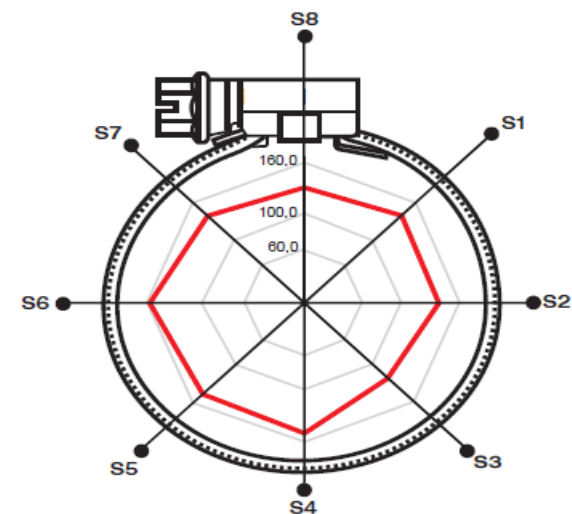
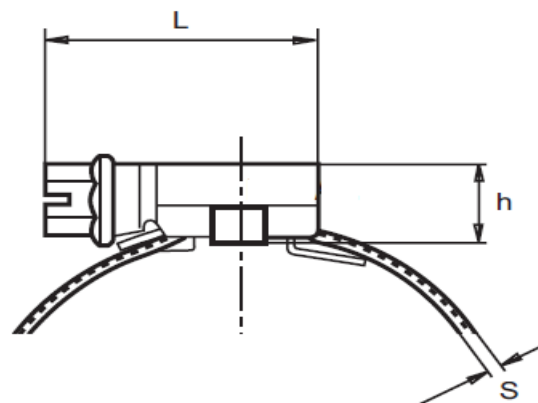
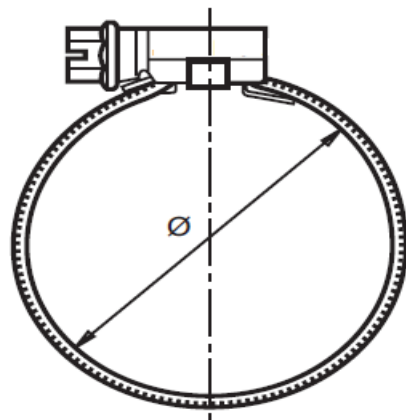
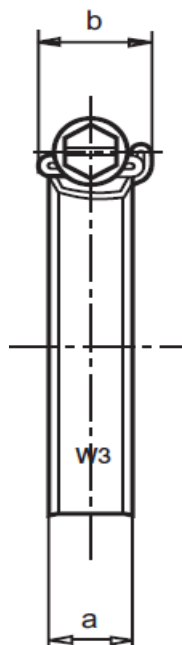
* The maximum application pressure can vary depending on the type of hose used and the geometry of the coupling.
Patented Worldwide.

W3

Application Ø		Part n° W3	L max.	s + 0,1 0	h max.	a -0,2	b Max.	Max. Values* Torque (Nm)	Max. Values* Pressure (Bars)	Box Quantity (MOQ)	Packing
mm	inches										
8-16	5/16-5/8	73016011	22,1	0,65	10,5	9	14,0	3,0	45	200	800
12-22	15/32-7/8	73016020	22,1	0,65	10,5	9	14,0	3,0	45	200	800
16-27	5/8-1-1/16	73016038	23,6	0,75	10,5	9	14,0	3,5	42	200	800
20-32	25/32-1-1/4	73016046	23,6	0,75	10,5	9	14,0	3,5	36	200	800
25-40	1-1-9/16	73016062	25,6	0,75	10,5	9	14,0	4,0	32	100	800
30-45	1-3/16-1-3/4	73016070	25,6	0,75	10,5	9	14,0	4,0	28	100	800
32-50	1-1/4-1-31/32	73016089	25,6	0,75	10,5	9	14,0	4,0	24	100	800
40-60	1-9/16-2-3/8	73016095	25,6	0,75	10,5	9	14,0	4,0	19	100	400
50-70	1-31/32-2-3/4	73016100	26,6	0,75	10,5	9	14,0	4,0	17	100	100
60-80	2-3/8-3-1/8	73016118	26,6	0,75	10,5	9	14,0	4,0	15	100	100

W3 Screw: Stainless steel (AISI-430) **Band and housing:** Stainless steel X6Cr-17 (DIN 1.4016) (AISI-430) **Finish:** Black

ASFA “L” Worm-Drive Clip (Black Finish)



Polar Diagram

● Sectors	S1	S2	S3	S4	S5	S6	S7	S8
— 4 Nm	131,2	141,5	139,3	122,4	145,9	147,6	157,9	138,5

Torque / Efficiency [Nm / daN]

Hose clamp - Spring clip W1

CODE	Product name	Quantity in package
02014025	Hose clamp - Spring clip W1 6	500
02014033	Hose clamp - Spring clip W1 7	500
02014041	Hose clamp - Spring clip W1 8	500
02014050	Hose clamp - Spring clip W1 9	500
02014068	OPS-D4 - Hose clamp - Spring clip W1 10	500
02014076	OPS-D5 - Hose clamp - Spring clip W1 11	500
02014084	OPS-D6 - Hose clamp - Spring clip W1 12	500
02014092	Hose clamp - Spring clip W1 14	500
02014105	Hose clamp - Spring clip W1 15	500
02014113	Hose clamp - Spring clip W1 17	500



One Ear Clip - self-locking W1

CODE	Product name	Operating range	Quantity in package
MIRI6073	One Ear Clip - self-locking W1 6.0-7.3 mm	6-7	100
MIRI7683	One Ear Clip - self-locking W1 7.6-8.3 mm	7-8	100
MIRI0811	One Ear Clip - self-locking W1 8-11 mm	8-9	100
MIRI1013	One Ear Clip - self-locking W1 10-13 mm	10,5-12,1	100
MIRI1215	One Ear Clip - self-locking W1 12-15 mm	11,6-14	100
MIRI1417	One Ear Clip - self-locking W1 14-17 mm	14,5-17,1	100
MIRI1622	OPS-D12 W1 - One Ear Clip - self-locking W1 16-22 mm	16,7-20,5	100
MIRI1824	OPS-D16 W1 - One Ear Clip - self-locking W1 18-24 mm	18,9-21,4	100
MIRI2330	One Ear Clip - self-locking W1 23-30 mm	24,5-28,1	100
MIRI2532	One Ear Clip - self-locking W1 25-32 mm	25,5-31,0	100
MIRI2634	One Ear Clip - self-locking W1 26-34 mm	26,8-32,4	100
MIRI3644	One Ear Clip - self-locking W1 36-44 mm	36-44,5	100
MIRI3947	One Ear Clip - self-locking W1 39-47 mm	40,5-47	100
MIRI4250	One Ear Clip - self-locking W1 42-50 mm	43-53	100
MIRI4452	One Ear Clip - self-locking W1 44-52 mm	46,51	100
MIRI5260	One Ear Clip - self-locking W1 52-60 mm	52,5-60	100



Wire Clip W1

CODE	Product name	Quantity in package
02016012	Wire Clip W1 7,3-7,8	1000
02016020	Wire Clip W1 7,8-8,3	1000
02016039	Wire Clip W1 8,3-8,8	1000
02016047	Wire Clip W1 8,8-9,3	1000
02016055	Wire Clip W1 9,3-9,9	1000
02016063	Wire Clip W1 9,8-10,4	1000
02016071	OPR-4 W1 - Wire Clip W1 10,4-11	1000
02016080	OPR-5 W1 - Wire Clip W1 11-11,6	1000
02016098	Wire Clip W1 11,6-12,3	500
02016100	OPR-6 W1 - Wire Clip W1 12,1-13,1	500
02016119	Wire Clip W1 12,9-13,6	500
02016127	Wire Clip W1 13,6-14,4	500
02016135	Wire Clip W1 14,4-15,1	500
02016143	Wire Clip W1 14,8-15,9	500
02016151	Wire Clip W1 15,9-16,8	500
02016160	Wire Clip W1 16,8-17,7	500
02016178	Wire Clip W1 17,7-18,7	500
02016186	OPR-11 W1 - Wire Clip W1 18,7-19,6	500
02016194	OPR-12 W1 - Wire Clip W1 19,6-20,6	500



Pliers for DIN 3021 Heavy-Duty Spring band Clip DIN3021

CODE	Product name	Quantity in package
03031499	OPS-3 - Pliers for DIN 3021 Heavy-Duty Spring band Clip DIN3021	1
00010001	OPS-4 - Pliers for DIN 3021 Heavy-Duty Spring band Clip DIN3021	1

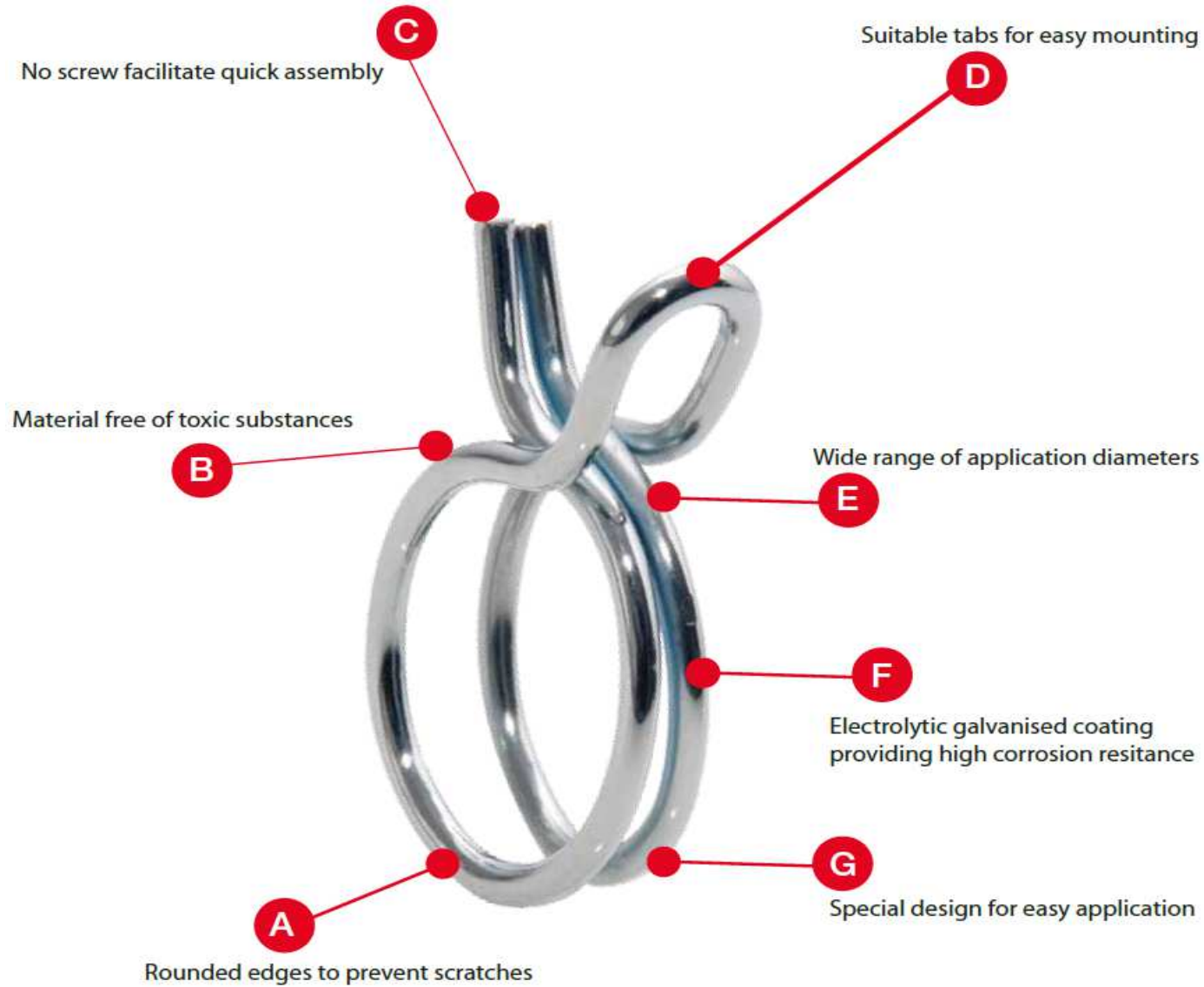


HEAVY-DUTY SPRING BAND CLIP W1 - DIN3021

CODE	Product name	Tape width	Quantity in package
03031766	OZS-D6 - HEAVY-DUTY SPRING BAND CLIP 13 W1	12	800
03031777	HEAVY-DUTY SPRING BAND CLIP 15 W1	12	800
03031501	HEAVY-DUTY SPRING BAND CLIP 17 W1	12	800
03031510	HEAVY-DUTY SPRING BAND CLIP 19 W1	12	800
03031528	OZS-D12 - HEAVY-DUTY SPRING BAND CLIP 20 W1	12	800
03031536	HEAVY-DUTY SPRING BAND CLIP 21 W1	12	800
03031538	HEAVY-DUTY SPRING BAND CLIP 22 W1	12	800
03031545	OZS-D16 - HEAVY-DUTY SPRING BAND CLIP 23 W1	12	800
03031552	HEAVY-DUTY SPRING BAND CLIP 24 W1	12	800
03031560	HEAVY-DUTY SPRING BAND CLIP 25 W1	12	800
03031579	HEAVY-DUTY SPRING BAND CLIP 26 W1	12	800
03031587	OZS-D19 - HEAVY-DUTY SPRING BAND CLIP 27 W1	12	800
03031595	HEAVY-DUTY SPRING BAND CLIP 29 W1	12	800
03031616	HEAVY-DUTY SPRING BAND CLIP 32 W1	15	800
03031624	HEAVY-DUTY SPRING BAND CLIP 35 W1	12	800
03031632	HEAVY-DUTY SPRING BAND CLIP 36 W1	12	800
03031640	HEAVY-DUTY SPRING BAND CLIP 38 W1	12	800
03031667	HEAVY-DUTY SPRING BAND CLIP 40 W1	15	800
03031675	HEAVY-DUTY SPRING BAND CLIP 42 W1	12	400
03031691	HEAVY-DUTY SPRING BAND CLIP 44 W1	12	400
03031704	HEAVY-DUTY SPRING BAND CLIP 46 W1	12	400
03031712	HEAVY-DUTY SPRING BAND CLIP 47 W1	12	400
03031720	HEAVY-DUTY SPRING BAND CLIP 50 W1	12	400
03031739	HEAVY-DUTY SPRING BAND CLIP 51 W1	12	400
03031747	HEAVY-DUTY SPRING BAND CLIP 53 W1	12	400
03031755	HEAVY-DUTY SPRING BAND CLIP 55 W1	12	400

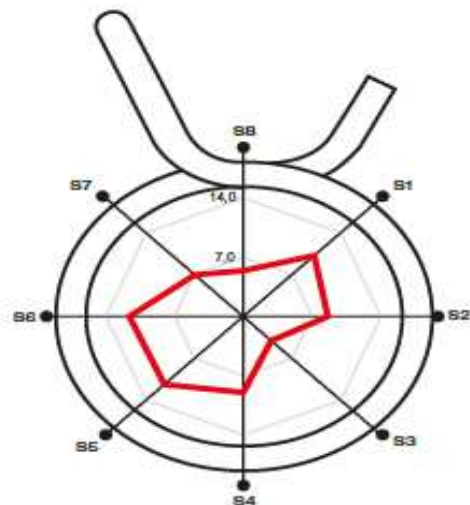
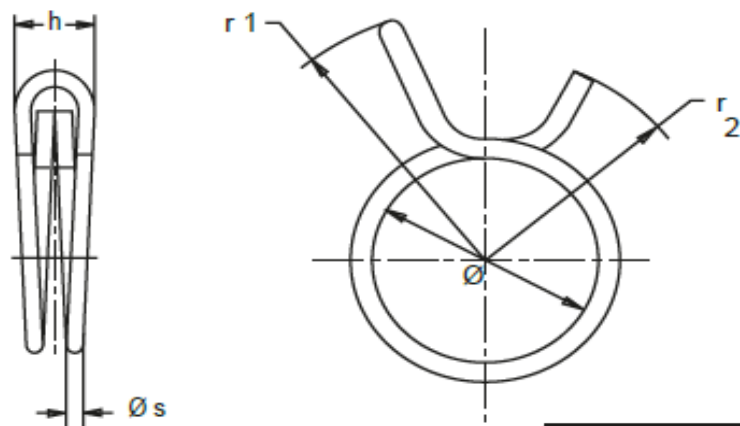


Wire Clip



Wire Clip

Wire clips are a competitively priced clamping solution in certain applications. They are used in low-pressure applications and particularly with small diameter sunken spiral hoses. * Special diameters are available on request.



Polar Diagram

● Sectors	S1	S2	S3	S4	S5	S6	S7	S8
— Force Kg	10,2	8,6	4,1	9,0	11,4	11,6	7,0	5,4

Torque / Efficiency [Nm / daN]

Application Ø			Part n° W1	r1	r2	h max.	Ø s	Box Quantity (MOQ)	Packing
Min.	Nominal	Max.							
7,3	7,6	7,8	02016012	10,7	8,2	5,5	1,0	1000	8000
7,8	8,1	8,3	02016020	10,7	8,3	5,5	1,0	1000	8000
8,3	8,6	8,8	02016039	10,9	8,6	5,5	1,0	1000	8000
8,8	9,1	9,3	02016047	11,0	9,0	5,5	1,0	1000	8000
9,3	9,6	9,9	02016055	11,8	9,0	5,5	1,0	1000	8000
9,8	10,1	10,4	02016063	13,5	10,5	6,3	1,2	1000	8000
10,4	10,7	11,0	02016071	14,8	11,4	6,3	1,2	1000	8000
11,0	11,3	11,6	02016080	14,8	11,9	6,3	1,2	1000	8000
11,6	11,9	12,3	02016098	16,4	12,4	7,3	1,5	1000	4000
12,1	12,8	13,1	02016100	17,2	13,7	7,3	1,5	500	4000
12,9	13,3	13,6	02016119	17,0	14,0	7,3	1,5	500	4000
13,6	14	14,4	02016127	18,0	14,5	7,3	1,5	500	4000
14,4	14,8	15,1	02016135	19,6	16,0	8,4	1,8	500	4000
14,8	15,6	15,9	02016143	21,0	16,4	8,4	1,8	500	4000
15,9	16,4	16,8	02016151	22,0	16,6	8,4	1,8	500	4000
16,8	17,3	17,7	02016160	21,3	16,5	8,4	1,8	500	4000
17,7	18,2	18,7	02016178	22,7	17,7	9,9	2,0	500	2000
18,7	19,2	19,6	02016186	23,3	18,0	9,9	2,0	500	2000
19,6	20,2	20,6	02016194	24,0	18,5	9,9	2,0	500	2000

W1 Band: Spring steel **Finish:** Silver-white Cr3 Zinc-Plated



Spring Clip

Spring clips are designed to distribute pressure uniformly around the application zone.

Their use is recommended when the hose is subject to rapid changes in temperature which cause expansion and contraction of the materials used in the assembly.

The spring clip maintains pressure during this process, thereby preventing leaks.

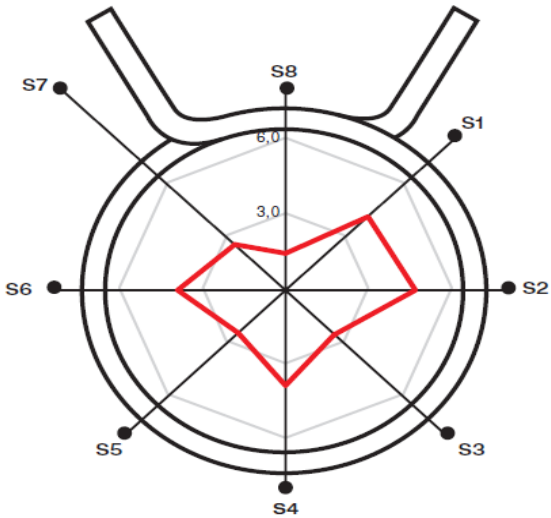
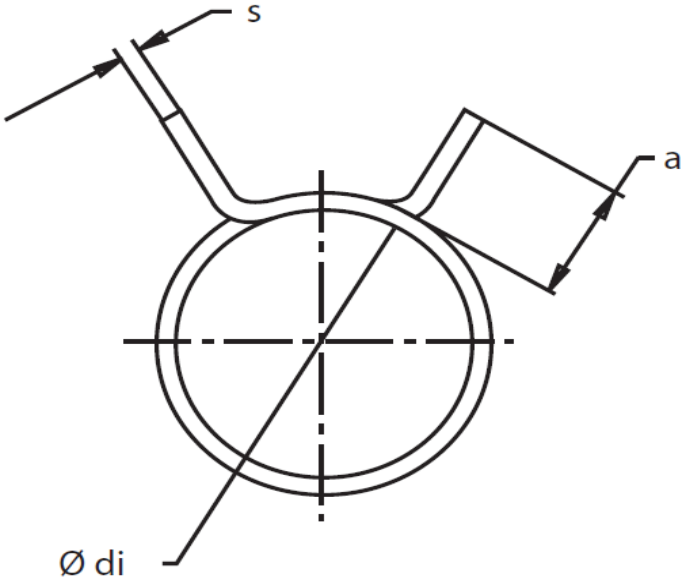
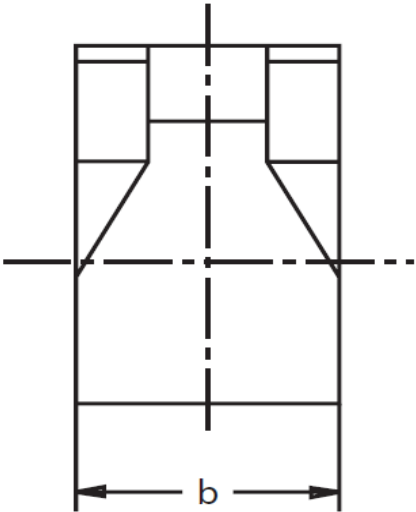
W1

Spring Clip AML W1

Nominal Ø		Part n° W1	Application Ø di	b	a ± 0,05	s	Box Quantity (MOQ)	Packing
mm	inches							
6	15/64	02014025	5,5 ±0,1	7	3	0,5	500	8000
7	9/32	02014033	6,4 ±0,1	7	3	0,5	500	8000
8	5/16	02014041	7,4 ±0,15	8	3	0,6	500	8000
9	23/64	02014050	8,4 ±0,15	8	3,5	0,6	500	4000
10	25/64	02014068	9,3 ±0,2	8	3,5	0,7	500	4000
11	7/16	02014076	10,3 ±0,2	8	4	0,7	500	4000
12	15/32	02014084	11,1 ±0,2	8	4	0,7	500	4000
14	35/64	02014092	12,9 ±0,2	8	4	0,8	500	4000
15	19/32	02014105	13,5 ±0,2	8	4,5	0,8	500	4000
17	43/64	02014113	15,6 ±0,2	8	4,5	0,8	500	4000
20	25/32	02014121	18,4 ±0,4	8	5,2	0,8	500	4000

W1 Band: Spring steel **Finish:** Silver-white Cr3 Zinc-Plated

Spring Clip



Polar Diagram

● Sectors	S1	S2	S3	S4	S5	S6	S7	S8
— Force Kg	4,2	4,7	2,5	3,8	2,4	3,9	2,6	1,5

Torque / Efficiency [Nm / daN]

DIN 3021 Heavy-duty Spring-Band Clip



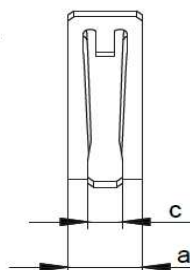
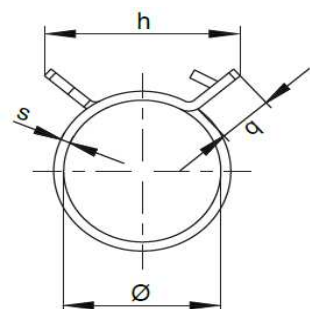
* S= thickness before surface treatment.

* Also available in 15 mm bandwidth.

* Please see pages 84 and 85 for further information regarding application tools.

This heavy-duty spring-band clamp is manufactured according to DIN 3021.
It is especially recommended for applications where temperature can vary from -40°C to +120°C .

The design of this clamp means that it can maintain the same radial force despite these changes in temperature. It is fast and easy to mount and is also reusable.



DIN 3021 Heavy-duty Spring-Band Clip

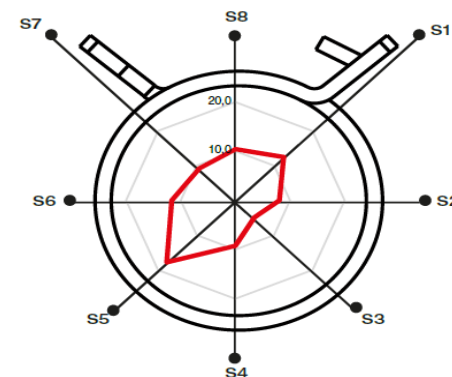
Pliers for DIN 3021 Heavy-Duty Spring band Clip



Polar Diagram

Sectors	S1	S2	S3	S4	S5	S6	S7	S8
Force Kg	12,5	8,1	4,9	9,2	17,8	11,7	9,3	10,4

Torque / Efficiency [Nm / daN]



Nominal Ø mm	inches	Ø min mm	Ø max mm	Part n° W1	Bandwidth a ± 0,3	h	b	c ± 0,7	S + 0,08 S - 0,02	Opening Force N	Box Quantity (MOQ)	Packing
17	11/16	15,6	18,5	03031501	12	40	10	5,8	0,8	160	200	800
19	3/4	17,8	20,2	03031510	12	40	10	5,8	1,3	300	200	800
20	25/32	18,4	21,6	03031528	12	40	10	5,8	1,3	200	200	800
21	27/32	19,5	22,5	03031536	12	40	10	5,8	1,3	200	200	800
22	7/8	20,5	24,2	03031538	12	40	10	5,8	1,3	200	200	800
23	29/32	21,0	24,7	03031544	12	40	10	5,8	1,3	320	200	800
24	15/16	22,0	26,0	03031552	12	40	10	5,8	1,3	230	200	800
25	2/2	23,5	26,8	03031560	12	40	10	5,8	1,3	260	200	800
26	1-1/32	24,3	28,0	03031579	12	60	10	5,8	1,7	270	200	800
27	1-1/16	25,2	29,2	03031587	12	60	10	5,8	1,7	280	200	800
29	1-9/64	27,0	31,5	03031595	12	60	10	5,8	1,7	300	200	800
32	1-17/64	29,3	34,5	03031616	12	60	10	5,8	1,7	300	200	800
35	1-3/8	31,5	38,0	03031624	12	60	10	5,8	1,7	300	200	800
36	1-27/64	32,5	39,0	03031632	12	60	10	5,8	1,7	300	200	800
38	1-1/12	34,5	41,5	03031640	12	60	10	5,8	1,7	300	200	800
40	1-19/32	35,5	42,5	03031667	12	60	10	5,8	1,7	300	200	800
41	1-39/64	36,5	43,5	03031669	12	60	10	5,8	1,7	320	100	400
42	1-21/32	37,2	44,5	03031675	12	60	10	5,8	2,1	340	100	400
44	1-47/64	38,5	46,5	03031691	12	60	10	5,8	2,1	340	100	400
46	1-13/16	40,5	48,5	03031704	12	60	10	5,8	2,1	350	100	400
47	1-27/32	41,4	50,0	03031712	12	60	10	5,8	2,1	380	100	400
49	1-59/64	42,5	52,0	03031719	12	72	10	5,8	2,1	390	100	400
50	1-31/32	43,5	53,0	03031720	12	72	10	5,8	2,1	410	100	400
51	2-1/64	44,0	54,0	03031739	12	72	10	5,8	2,1	410	100	400
53	2-3/32	46,0	55,8	03031747	12	72	10	5,8	2,1	410	100	400
55	2-11/64	46,8	58,0	03031755	12	72	10	5,8	2,1	430	100	400

W1 Band: 50 CRV4 Steel

RSGU**RUBBER-LINED P-CLIP DIN3016 W1**

CODE	Product name	Quantity in package
03003055	RUBBER-LINED P-CLIP DIN3016 AGD 5/9 W1	250
03003848	RUBBER-LINED P-CLIP DIN3016 AGD 4/12 W1	250
03003856	RUBBER-LINED P-CLIP DIN3016 AGD 5/12 W1	250
03003864	RUBBER-LINED P-CLIP DIN3016 AGD 6/12 W1	250
03003872	RUBBER-LINED P-CLIP DIN3016 AGD 7/12 W1	250
03003880	RUBBER-LINED P-CLIP DIN3016 AGD 8/12 W1	250
03003899	RUBBER-LINED P-CLIP DIN3016 AGD 9/12 W1	250
03003901	RUBBER-LINED P-CLIP DIN3016 AGD 10/12W1	250
03003910	RUBBER-LINED P-CLIP DIN3016 AGD 11/12W1	250
03003928	RUBBER-LINED P-CLIP DIN3016 AGD 12/12W1	250
03003936	RUBBER-LINED P-CLIP DIN3016 AGD 13/12W1	250
03003944	RUBBER-LINED P-CLIP DIN3016 AGD 14/12W1	250
03003952	RUBBER-LINED P-CLIP DIN3016 AGD 15/12W1	250
03003960	RUBBER-LINED P-CLIP DIN3016 AGD 16/12W1	200
03003979	RUBBER-LINED P-CLIP DIN3016 AGD 17/12W1	200
03003987	RUBBER-LINED P-CLIP DIN3016 AGD 18/12W1	200
03003995	RUBBER-LINED P-CLIP DIN3016 AGD 19/12W1	200
03004007	RUBBER-LINED P-CLIP DIN3016 AGD 20/12W1	200
03004015	RUBBER-LINED P-CLIP DIN3016 AGD 21/12W1	200
03004023	RUBBER-LINED P-CLIP DIN3016 AGD 22/12W1	200
03004031	RUBBER-LINED P-CLIP DIN3016 AGD 23/12W1	200
03004040	RUBBER-LINED P-CLIP DIN3016 AGD 24/12W1	200
03004058	RUBBER-LINED P-CLIP DIN3016 AGD 25/12W1	200
03004066	RUBBER-LINED P-CLIP DIN3016 AGD 26/12W1	200
03004074	RUBBER-LINED P-CLIP DIN3016 AGD 27/12W1	200
03004082	RUBBER-LINED P-CLIP DIN3016 AGD 28/12W1	200
03004090	RUBBER-LINED P-CLIP DIN3016 AGD 29/12W1	100
03004103	RUBBER-LINED P-CLIP DIN3016 AGD 30/12W1	100
03004111	RUBBER-LINED P-CLIP DIN3016 AGD 31/12W1	100
03004120	RUBBER-LINED P-CLIP DIN3016 AGD 32/12W1	100



RSGU**RUBBER-LINED P-CLIP DIN3016 W1**

CODE	Product name	Quantity in package
03004138	RUBBER-LINED P-CLIP DIN3016 AGD 33/12W1	100
03004146	RUBBER-LINED P-CLIP DIN3016 AGD 34/12W1	100
03004154	RUBBER-LINED P-CLIP DIN3016 AGD 35/12W1	100
03004162	RUBBER-LINED P-CLIP DIN3016 AGD 36/12W1	50
03004170	RUBBER-LINED P-CLIP DIN3016 AGD 37/12W1	50
03004189	RUBBER-LINED P-CLIP DIN3016 AGD 38/12W1	50
03004197	RUBBER-LINED P-CLIP DIN3016 AGD 39/12W1	50
03004200	RUBBER-LINED P-CLIP DIN3016 AGD 40/12W1	50
03004218	RUBBER-LINED P-CLIP DIN3016 AGD 41/12W1	50
03004226	RUBBER-LINED P-CLIP DIN3016 AGD 42/12W1	50
03004234	RUBBER-LINED P-CLIP DIN3016 AGD 43/12W1	50
03004242	RUBBER-LINED P-CLIP DIN3016 AGD 44/12W1	50
03004250	RUBBER-LINED P-CLIP DIN3016 AGD 45/12W1	50
03004269	RUBBER-LINED P-CLIP DIN3016 AGD 46/12W1	50
03004277	RUBBER-LINED P-CLIP DIN3016 AGD 47/12W1	50
03004285	RUBBER-LINED P-CLIP DIN3016 AGD 48/12W1	50
03004293	RUBBER-LINED P-CLIP DIN3016 AGD 49/12W1	50
03004306	RUBBER-LINED P-CLIP DIN3016 AGD 50/12W1	50
03004314	RUBBER-LINED P-CLIP DIN3016 AGD 51/12W1	50
03004322	RUBBER-LINED P-CLIP DIN3016 AGD 52/12W1	50
03004330	RUBBER-LINED P-CLIP DIN3016 AGD 53/12W1	50
03004349	RUBBER-LINED P-CLIP DIN3016 AGD 54/12W1	50
03004357	RUBBER-LINED P-CLIP DIN3016 AGD 55/12W1	50
03004365	RUBBER-LINED P-CLIP DIN3016 AGD 56/12W1	50
03004373	RUBBER-LINED P-CLIP DIN3016 AGD 57/12W1	50
03004381	RUBBER-LINED P-CLIP DIN3016 AGD 58/12W1	50
03004390	RUBBER-LINED P-CLIP DIN3016 AGD 59/12W1	50
03004402	RUBBER-LINED P-CLIP DIN3016 AGD 60/12W1	50
03004410	RUBBER-LINED P-CLIP DIN3016 AGD 61/12W1	50



RSGU**RUBBER-LINED P-CLIP DIN3016 W1**

CODE	Product name	Quantity in package
03004428	RUBBER-LINED P-CLIP DIN3016 AGD 62/12W1	50
03004436	RUBBER-LINED P-CLIP DIN3016 AGD 63/12W1	50
03004444	RUBBER-LINED P-CLIP DIN3016 AGD 64/12W1	50
03004452	RUBBER-LINED P-CLIP DIN3016 AGD 65/12W1	50
03004460	RUBBER-LINED P-CLIP DIN3016 AGD 66/12W1	50
03004479	RUBBER-LINED P-CLIP DIN3016 AGD 67/12W1	50
03004487	RUBBER-LINED P-CLIP DIN3016 AGD 68/12W1	50
03004495	RUBBER-LINED P-CLIP DIN3016 AGD 69/12W1	50
03004509	RUBBER-LINED P-CLIP DIN3016 AGD 70/12W1	50
03004517	RUBBER-LINED P-CLIP DIN3016 AGD 71/12W1	25
03004525	RUBBER-LINED P-CLIP DIN3016 AGD 72/12W1	25
03004533	RUBBER-LINED P-CLIP DIN3016 AGD 73/12W1	25
03004541	RUBBER-LINED P-CLIP DIN3016 AGD 74/12W1	25
03004550	RUBBER-LINED P-CLIP DIN3016 AGD 75/12W1	25
03004568	RUBBER-LINED P-CLIP DIN3016 AGD 76/12W1	25
03004576	RUBBER-LINED P-CLIP DIN3016 AGD 77/12W1	25
03004584	RUBBER-LINED P-CLIP DIN3016 AGD 78/12W1	25
03004592	RUBBER-LINED P-CLIP DIN3016 AGD 79/12W1	25
03004605	RUBBER-LINED P-CLIP DIN3016 AGD 80/12W1	25
03004656	RUBBER-LINED P-CLIP DIN3016 AGD 5/15 W1	200
03004664	RUBBER-LINED P-CLIP DIN3016 AGD 6/15 W1	200
03004672	RUBBER-LINED P-CLIP DIN3016 AGD 7/15 W1	200
03004680	RUBBER-LINED P-CLIP DIN3016 AGD 8/15 W1	200
03004699	RUBBER-LINED P-CLIP DIN3016 AGD 9/15 W1	200
03004701	RUBBER-LINED P-CLIP DIN3016 AGD 10/15W1	200
03004710	RUBBER-LINED P-CLIP DIN3016 AGD 11/15W1	200
03004728	RUBBER-LINED P-CLIP DIN3016 AGD 12/15W1	200
03004736	RUBBER-LINED P-CLIP DIN3016 AGD 13/15W1	200
03004744	RUBBER-LINED P-CLIP DIN3016 AGD 14/15W1	200



RSGU**RUBBER-LINED P-CLIP DIN3016 W1**

CODE	Product name	Quantity in package
03004752	RUBBER-LINED P-CLIP DIN3016 AGD 15/15W1	200
03004760	RUBBER-LINED P-CLIP DIN3016 AGD 16/15W1	200
03004779	RUBBER-LINED P-CLIP DIN3016 AGD 17/15W1	200
03004787	RUBBER-LINED P-CLIP DIN3016 AGD 18/15W1	200
03004795	RUBBER-LINED P-CLIP DIN3016 AGD 19/15W1	200
03004808	RUBBER-LINED P-CLIP DIN3016 AGD 20/15W1	200
03004816	RUBBER-LINED P-CLIP DIN3016 AGD 21/15W1	100
03004824	RUBBER-LINED P-CLIP DIN3016 AGD 22/15W1	100
03004832	RUBBER-LINED P-CLIP DIN3016 AGD 23/15W1	100
03004840	RUBBER-LINED P-CLIP DIN3016 AGD 24/15W1	100
03004859	RUBBER-LINED P-CLIP DIN3016 AGD 25/15W1	100
03004867	RUBBER-LINED P-CLIP DIN3016 AGD 26/15W1	100
03004875	RUBBER-LINED P-CLIP DIN3016 AGD 27/15W1	100
03004883	RUBBER-LINED P-CLIP DIN3016 AGD 28/15W1	100
03004891	RUBBER-LINED P-CLIP DIN3016 AGD 29/15W1	100
03004904	RUBBER-LINED P-CLIP DIN3016 AGD 30/15W1	100
03004912	RUBBER-LINED P-CLIP DIN3016 AGD 31/15W1	100
03004920	RUBBER-LINED P-CLIP DIN3016 AGD 32/15W1	100
03004939	RUBBER-LINED P-CLIP DIN3016 AGD 33/15W1	100
03004947	RUBBER-LINED P-CLIP DIN3016 AGD 34/15W1	100
03004955	RUBBER-LINED P-CLIP DIN3016 AGD 35/15W1	100
03004963	RUBBER-LINED P-CLIP DIN3016 AGD 36/15W1	100
03004971	RUBBER-LINED P-CLIP DIN3016 AGD 37/15W1	100
03004980	RUBBER-LINED P-CLIP DIN3016 AGD 38/15W1	100
03004998	RUBBER-LINED P-CLIP DIN3016 AGD 39/15W1	100
03005000	RUBBER-LINED P-CLIP DIN3016 AGD 40/15W1	100
03005018	RUBBER-LINED P-CLIP DIN3016 AGD 41/15W1	50
03005026	RUBBER-LINED P-CLIP DIN3016 AGD 42/15W1	50
03005034	RUBBER-LINED P-CLIP DIN3016 AGD 43/15W1	50



RSGU**RUBBER-LINED P-CLIP DIN3016 W1**

CODE	Product name	Quantity in package
03005042	RUBBER-LINED P-CLIP DIN3016 AGD 44/15W1	50
03005050	RUBBER-LINED P-CLIP DIN3016 AGD 45/15W1	50
03005069	RUBBER-LINED P-CLIP DIN3016 AGD 46/15W1	50
03005077	RUBBER-LINED P-CLIP DIN3016 AGD 47/15W1	50
03005085	RUBBER-LINED P-CLIP DIN3016 AGD 48/15W1	50
03005093	RUBBER-LINED P-CLIP DIN3016 AGD 49/15W1	50
03005106	RUBBER-LINED P-CLIP DIN3016 AGD 50/15W1	50
03005114	RUBBER-LINED P-CLIP DIN3016 AGD 51/15W1	50
03005122	RUBBER-LINED P-CLIP DIN3016 AGD 52/15W1	50
03005130	RUBBER-LINED P-CLIP DIN3016 AGD 53/15W1	50
03005149	RUBBER-LINED P-CLIP DIN3016 AGD 54/15W1	50
03005157	RUBBER-LINED P-CLIP DIN3016 AGD 55/15W1	50
03005165	RUBBER-LINED P-CLIP DIN3016 AGD 56/15W1	50
03005173	RUBBER-LINED P-CLIP DIN3016 AGD 57/15W1	50
03005181	RUBBER-LINED P-CLIP DIN3016 AGD 58/15W1	50
03005190	RUBBER-LINED P-CLIP DIN3016 AGD 59/15W1	50
03005202	RUBBER-LINED P-CLIP DIN3016 AGD 60/15W1	50
03005210	RUBBER-LINED P-CLIP DIN3016 AGD 61/15W1	50
03005229	RUBBER-LINED P-CLIP DIN3016 AGD 62/15W1	50
03005237	RUBBER-LINED P-CLIP DIN3016 AGD 63/15W1	50
03005245	RUBBER-LINED P-CLIP DIN3016 AGD 64/15W1	50
03005253	RUBBER-LINED P-CLIP DIN3016 AGD 65/15W1	50
03005261	RUBBER-LINED P-CLIP DIN3016 AGD 66/15W1	50
03005270	RUBBER-LINED P-CLIP DIN3016 AGD 67/15W1	50
03005288	RUBBER-LINED P-CLIP DIN3016 AGD 68/15W1	50
03005296	RUBBER-LINED P-CLIP DIN3016 AGD 69/15W1	50
03005309	RUBBER-LINED P-CLIP DIN3016 AGD 70/15W1	50
03005317	RUBBER-LINED P-CLIP DIN3016 AGD 71/15W1	25
03005325	RUBBER-LINED P-CLIP DIN3016 AGD 72/15W1	25



RSGU

RUBBER-LINED P-CLIP DIN3016 W1

CODE	Product name	Quantity in package
03005333	RUBBER-LINED P-CLIP DIN3016 AGD 73/15W1	25
03005341	RUBBER-LINED P-CLIP DIN3016 AGD 74/15W1	25
03005350	RUBBER-LINED P-CLIP DIN3016 AGD 75/15W1	25
03005368	RUBBER-LINED P-CLIP DIN3016 AGD 76/15W1	25
03005376	RUBBER-LINED P-CLIP DIN3016 AGD 77/15W1	25
03005384	RUBBER-LINED P-CLIP DIN3016 AGD 78/15W1	25
03005392	RUBBER-LINED P-CLIP DIN3016 AGD 79/15W1	25
03005405	RUBBER-LINED P-CLIP DIN3016 AGD 80/15W1	25
03005413	RUBBER-LINED P-CLIP DIN3016 AGD 81/15W1	25
03005421	RUBBER-LINED P-CLIP DIN3016 AGD 82/15W1	25
03005430	RUBBER-LINED P-CLIP DIN3016 AGD 83/15W1	25
03005448	RUBBER-LINED P-CLIP DIN3016 AGD 84/15W1	25
03005456	RUBBER-LINED P-CLIP DIN3016 AGD 85/15W1	25
03005464	RUBBER-LINED P-CLIP DIN3016 AGD 86/15W1	25
03005472	RUBBER-LINED P-CLIP DIN3016 AGD 87/15W1	25
03005480	RUBBER-LINED P-CLIP DIN3016 AGD 88/15W1	25
03005499	RUBBER-LINED P-CLIP DIN3016 AGD 89/15W1	25



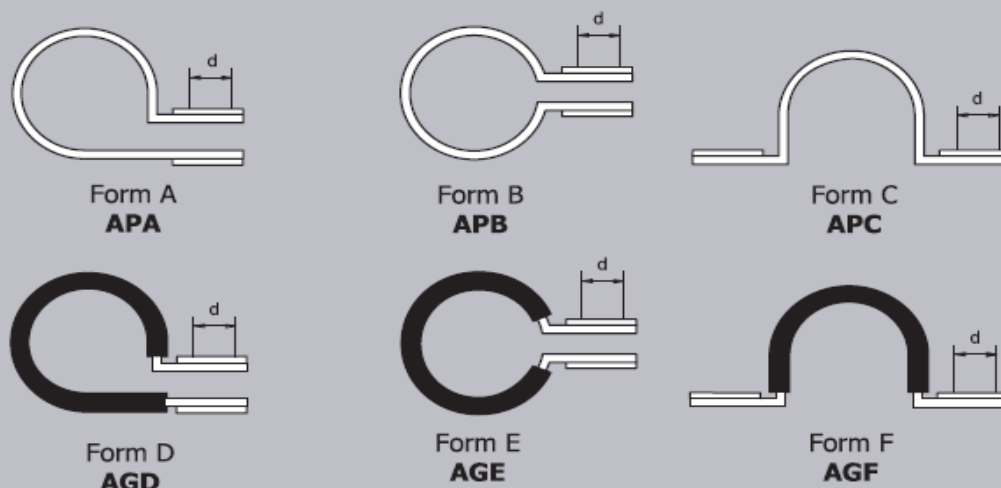
P-Clips

The connecting clamp

The ideal clamp for fixing and retaining pipes, cables and hoses.



P-Clip types



Measurements and dimensions (mm)

(a) Bandwidth	(D) Diameter Ø Application (*)		(d) Recommended screw
	Standard Range	Special Dimensions	
9	From 5 to 50	-	(4,3) M4
12	From 5 to 50	up to 130	(5,3) M5
15	From 5 to 50	up to 130	(6,4) M6
20	From 11 to 50	up to 130	(8,4) M8
25	From 11 to 50	up to 150	(10,5) M10

(*) Diameters increase millimetre by millimetre (e.g. 5 mm, 6 mm, 7 mm)

Materials

P- Clips clamp (*):	
W1	Mild steel- bright zinc plated Cr3
W3	Stainless steel AISI-430
W4	Stainless steel AISI-304

(*) Band reinforced at both ends.

P-Clips

MIKALOR P-Clips are ideal for attaching and retaining pipes, fixing cables, cable harnesses and hoses in construction, building, sanitary and commercial vehicle applications. The rubber profile enables them to clamp pipes or cables firmly without chafing or damaging the clamping area. In addition, the rubber cover protects the cables and pipes from possible damage in applications involving vibration.

MIKALOR P-Clips are produced according to DIN 3016.

Rubber profile: EPDM

Material	EPDM
Colour	Black
Temperature (°C)	-40 up to +120°C
Resistance against weather / ozone	Very good
Resistance against ageing and light	Very good
Resistance against petrol	Unstable
Resistance against oil and grease	Unstable
Resistance against alcohol	Good
Resistance against acids	Good
Resistance against alkalis	Good

▼ When making enquiries or placing orders, please state: ▼

MIKALOR code: DIN 3016 AGD 40 15 W1 EPDM

DIN 3016	Type	Diameter	Bandwidth	Material	Rubber
EXAMPLE	AGD	40	15	W1	EPDM

FEATURES

- The rubber profile of **MIKALOR** P-Clips absorbs vibration and prevents chafing of pipe or cable, and water seepage into the clamping area.
- The reinforced band ends and screw hole to prevent the clip from shearing in demanding applications.
- Heavy-duty electro zinc plating on all surfaces including the edges provides very good corrosion resistance.
- UV and ozone resistant rubber profile.
- Non-standard sizes available on request.

MIKALOR P-Clips are available in bandwidths of 9, 12, 15, 20 and 25mm.



APPLICATIONS

P-Clips are used for fixing and retaining pipes, tubes and cables in automotive, commercial vehicles, marine, railway, air conditioning, agricultural machinery, household appliances, and construction applications.

PACKAGING

All **MIKALOR** P-Clips are packed in sturdy boxes. The quantity of clips per box depends on the size of the clamp.

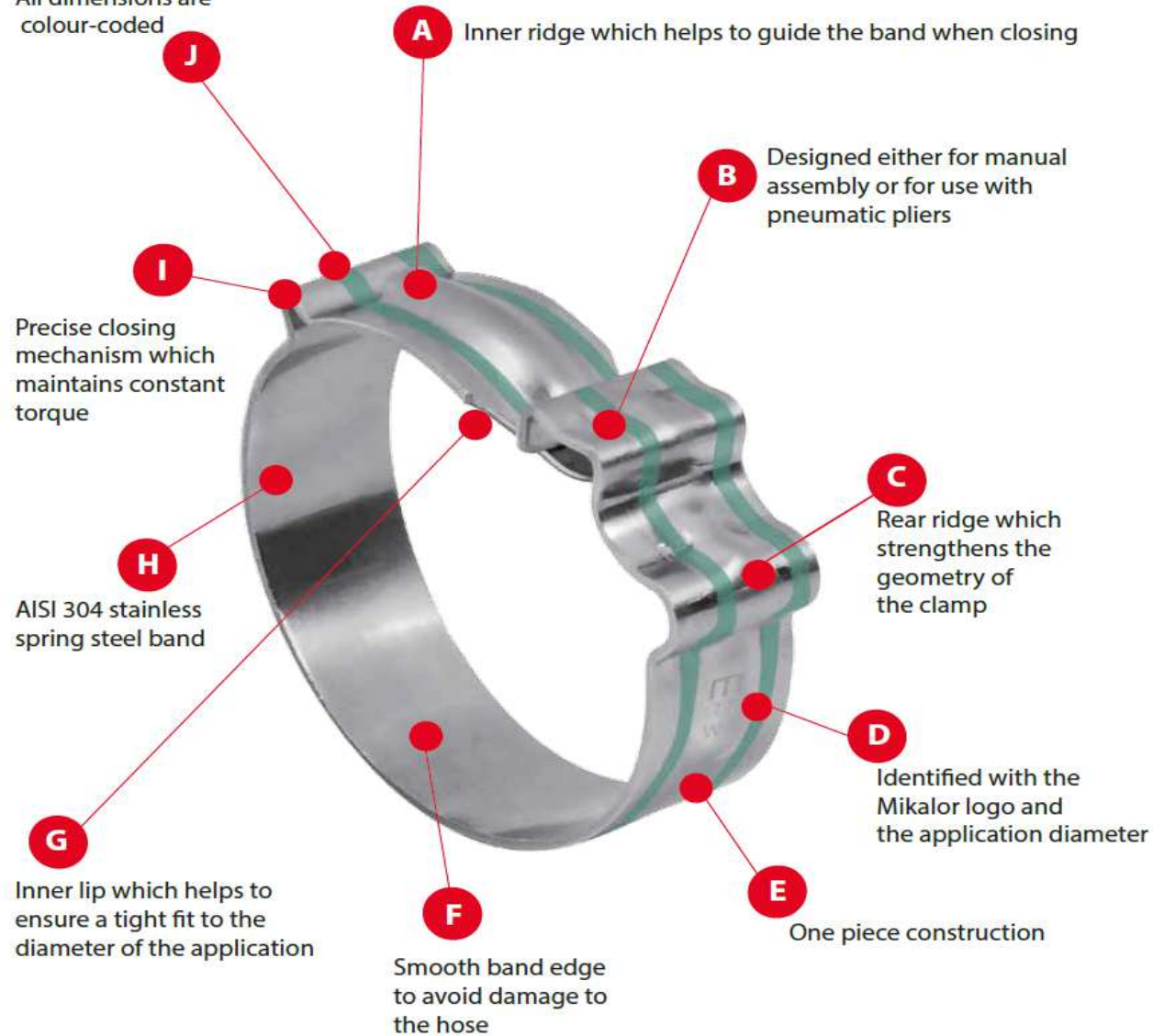
CLIP CLAMP W4

CODE	Product name	Quantity in package
03030410	CLIP CLAMP 8 W4	1000
03030429	CLIP CLAMP 9 W4	1000
03030437	CLIP CLAMP 10 W4	1000
03030445	CLIP CLAMP 11 W4	1000
03030453	CLIP CLAMP 12 W4	1000
03030461	CLIP CLAMP 13 W4	1000
03030470	CLIP CLAMP 14 W4	500
03030488	CLIP CLAMP 15 W4	500
03030496	CLIP CLAMP 16 W4	500
03030509	CLIP CLAMP 17 W4	500
03030517	CLIP CLAMP 18 W4	500
03030525	CLIP CLAMP 19 W4	500
03030533	CLIP CLAMP 20 W4	500
03030541	CLIP CLAMP 21 W4	500
03030550	CLIP CLAMP 22 W4	500
03030568	CLIP CLAMP 23 W4	500
03030576	CLIP CLAMP 24 W4	500

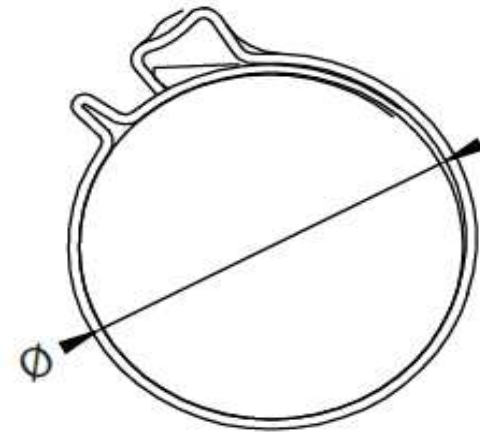
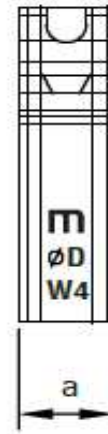


CLIP Clamp

All dimensions are
colour-coded



CLIP Clamp



Pliers



Instructions



Article	Application Ø		Part n°	Color	Bandwidth	Box	Packing
	mm. min. - max.	inches min. - max.				Quantity (MOQ)	
			W4		a		
clip 8	8,5-9,5	21/64-3/8	03030410	YELLOW	7	500	8000
clip 9	9,5-10,5	3/8-13/32	03030429	PURPLE	7	500	8000
clip 10	10,5-11,5	13/32-29/64	03030437	NEUTRAL	7	500	4000
clip 11	11,5-12,5	29/64-31/64	03030445	GREEN	7	500	4000
clip 12	12,5-14,0	12,5-35/64	03030453	BLACK	8	500	4000
clip 13	13,5-15,0	1-7/32-19/32	03030461	YELLOW	8	500	2000
clip 14	14,5-16,0	37/64-5/8	03030470	PURPLE	8	250	2000
clip 15	15,5-17,0	39/64-43/64	03030488	NEUTRAL	8	250	2000
clip 16	16,5-18,0	21/32-45/64	03030496	GREEN	8	250	2000
clip 17	17,5-19,0	11/16-3/4	03030509	BLACK	8	250	2000
clip 18	18,5-20,0	47/64-25/32	03030517	YELLOW	8	250	2000
clip 19	19,5-21,0	49/64-53/64	03030525	PURPLE	8	250	2000
clip 20	20,5-22,0	13/16-55/64	03030533	NEUTRAL	8	250	2000
clip 21	21,5-23,0	27/32-29/32	03030541	GREEN	8	250	2000
clip 22	22,5-24,0	57/64-15/16	03030550	BLACK	8	250	2000
clip 23	23,5-25,0	59/64-63/64	03030568	YELLOW	8	250	2000
clip 24	24,5-26,0	31/32-1-1/32	03030576	PURPLE	8	250	2000

Material specification:

W4

Band:

AISI 304 (A2)
Stainless Spring Steel

One Ear Clip W1

CODE	Product name	Quantity in package
03012080	One Ear Clip W1 - 7-9	1000
03012072	One Ear Clip W1 - 8-10	1000
03012013	OZP-D4 - One Ear Clip W1 - 9-11	1000
03012021	OZP-D5 - One Ear Clip W1 - 10-12	500
03012030	OZP-D6 - One Ear Clip W1 - 11-13	500
03012048	One Ear Clip W1 - 12-14	500
03012056	One Ear Clip W1 - 14-16	500
03012064	One Ear Clip W1 - 16-18	500

One Ear Clip with Inner-Ring W1

CODE	Product name	Quantity in package
03011009	One Ear Clip with Inner-Ring W1 7,5- 8,5 ZB	1000
03011010	One Ear Clip with Inner-Ring W1 8,0- 9,5 ZB	1000
03011029	One Ear Clip with Inner-Ring 9,0-10,5 ZB	1000
03011037	OZ-D4 - One Ear Clip with Inner-Ring W1 10,0-11,5ZB	500
03011045	OZ-D6 - One Ear Clip with Inner-Ring W1 10,5-12,5ZB	500
03011053	One Ear Clip with Inner-Ring W1 11,5-13,3ZB	500
03011061	One Ear Clip with Inner-Ring W1 13,0-15,3ZB	500
03011070	One Ear Clip with Inner-Ring W1 15,0-17,3ZB	500

Clip Pincers

CODE	Product name	Quantity in package
03011088	OPS-1 - Front-closing Ear Clip Pincers for: OZ, OPZ, OPR, OTZ, OZP	1
03011096	OPS-2 - Side-closing Ear Clip Pincers for: OZ, OPZ, OPR, OTZ, OZP	1



One Ear Clip with Inner-Ring W4

CODE	Product name	Quantity in package
23012300	One Ear Clip with Inner-Ring W4 7,5- 8,5IN	2000
23012319	One Ear Clip with Inner-Ring W4 8,2- 9,5IN	1000
23012327	One Ear Clip with Inner-Ring W4 9,0-10,5IN	1000
23012335	One Ear Clip with Inner-Ring W4 10,0-11,5IN	500
23012343	OPZ-12,3 - One Ear Clip with Inner-Ring W4 10,5-12,5IN	500
23012351	OPZ-13,8 - One Ear Clip with Inner-Ring W4 11,5-13,5IN	500
23012360	One Ear Clip with Inner-Ring W4 12,5-14,5IN	500
23012378	OPZ-15,5 - One Ear Clip with Inner-Ring W4 13,0-15,3IN	500
23012386	One Ear Clip with Inner-Ring W4 14,0-16,3IN	250
23012394	One Ear Clip with Inner-Ring W4 15,0-17,3IN	250
23012407	One Ear Clip with Inner-Ring W4 16,0-18,3IN	250
23012415	One Ear Clip with Inner-Ring W4 17,0-19,3IN	250



Hose Clamps for joints W4

CODE	Product name	Quantity in package
12701	Zaciskowa W4 5,5-5,6	100
12702	Zaciskowa W4 6,0-7,0	100
12801	Zaciskowa W4 6,8-8,0	100
12802	Zaciskowa W4 7,0-8,7	100
12803	Zaciskowa W4 7,8-9,5	100
12804	Zaciskowa W4 8,8-10,5	100
12805	Zaciskowa W4 9,6-11,3	100
12806	Zaciskowa W4 10,1-11,8	100
12807	Zaciskowa W4 9,4-11,9	100
12808	Zaciskowa W4 9,8-12,3	100
12809	Zaciskowa W4 10,3-12,8	100
12810	Zaciskowa W4 10,8-13,3	100
12811	Zaciskowa W4 11,3-13,8	100



Hose Clamps for joints W4

CODE	Product name	Quantity in package
12812	Hose Clamps for joints W4 11,5-14,0	100
12813	Hose Clamps for joints W4 12,0-14,5	100
12814	Hose Clamps for joints W4 12,8-15,3	100
12815	Hose Clamps for joints W4 13,2-15,7	100
12816	Hose Clamps for joints W4 13,7-16,2	100
12817	Hose Clamps for joints W4 14,1-16,6	100
12818	Hose Clamps for joints W4 14,3-16,8	100
12819	Hose Clamps for joints W4 14,5-17,0	100
12820	Hose Clamps for joints W4 15,0-17,5	100
12821	Hose Clamps for joints W4 14,6-17,8	100
12822	Hose Clamps for joints W4 15,3-18,5	100
12823	Hose Clamps for joints W4 16,0-19,2	100
12824	Hose Clamps for joints W4 16,6-19,8	100
12825	OPZ-17,8-21 - Hose Clamps for joints W4 17,8-21,0	100
12826	Hose Clamps for joints W4 19,4-22,6	100
12827	Hose Clamps for joints W4 20,3-23,5	100
12828	Hose Clamps for joints W4 22,4-25,6	100
12829	Hose Clamps for joints W4 23,9-27,1	100
12830	Hose Clamps for joints W4 26,9-30,1	100
12831	Hose Clamps for joints W4 31,4-34,6	100
12832	Hose Clamps for joints W4 36,3-39,5	100
12833	Hose Clamps for joints W4 37,8-41,0	100
12834	Hose Clamps for joints W4 40,8-44,0	50
12835	Hose Clamps for joints W4 43,8-47,0	50
12836	Hose Clamps for joints W4 45,3-48,5	50
12837	Hose Clamps for joints W4 46,8-50,0	50
12838	Hose Clamps for joints W4 47,3-50,5	50
12839	Hose Clamps for joints W4 48,3-51,5	50
12840	Hose Clamps for joints W4 49,8-53,0	50

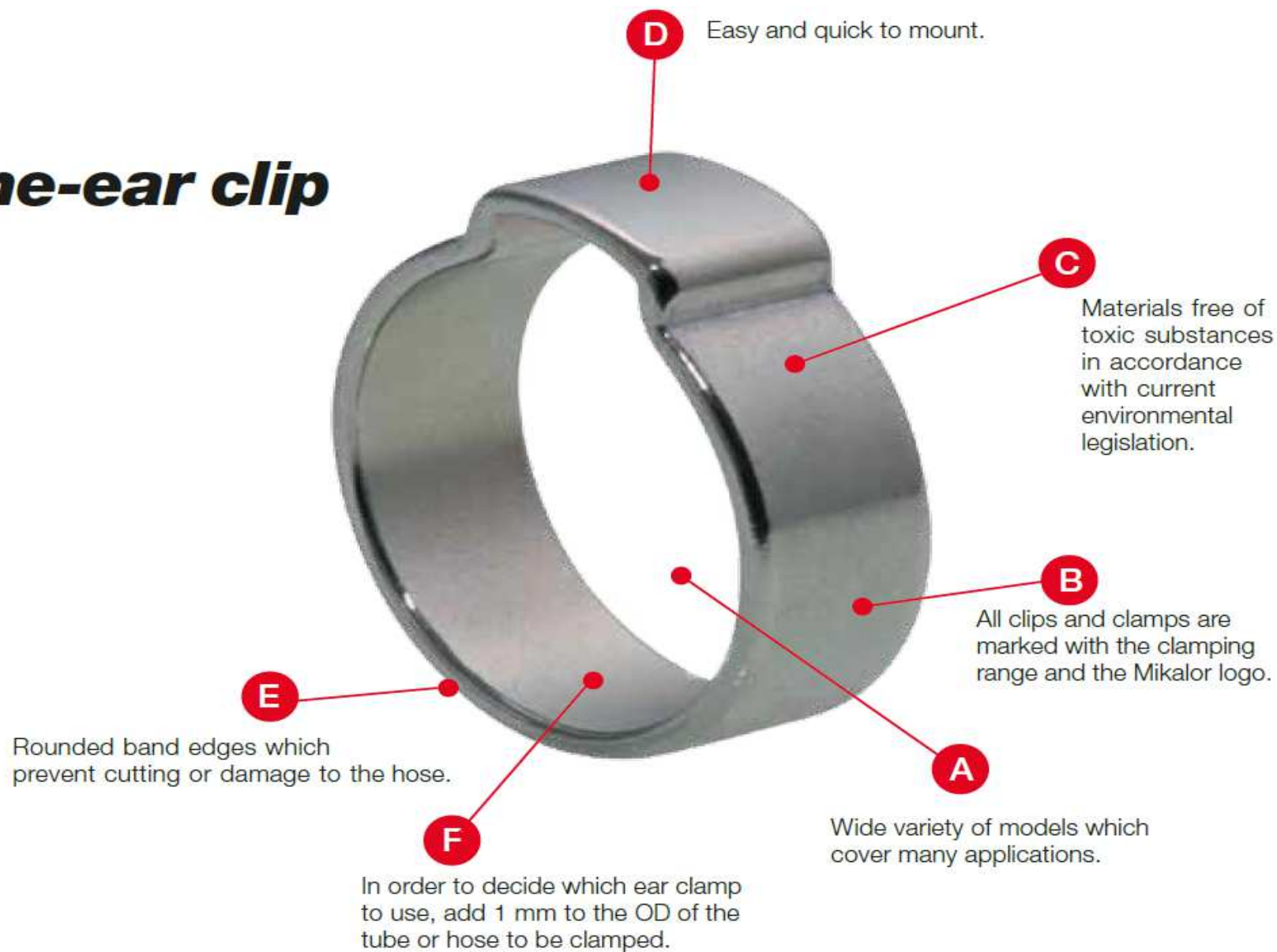


Hose Clamps for joints W4

CODE	Product name	Quantity in package
12841	Hose Clamps for joints W4 51,3-54,5	50
12842	Hose Clamps for joints W4 51,8-55,0	50
12843	Hose Clamps for joints W4 52,8-56,0	50
12844	Hose Clamps for joints W4 54,3-57,5	50
12845	Hose Clamps for joints W4 54,8-58,0	50
12846	Hose Clamps for joints W4 55,3-58,5	50
12847	Hose Clamps for joints W4 54,7-57,9	50
12848	Hose Clamps for joints W4 55,8-59,0	50
12849	Hose Clamps for joints W4 56,3-59,5	50
12850	Hose Clamps for joints W4 57,3-60,5	50
12851	Hose Clamps for joints W4 57,7-60,9	50
12851	Hose Clamps for joints W4 58,8-62,0	50
12851	Hose Clamps for joints W4 60,3-63,5	50
12851	Hose Clamps for joints W4 62,4-65,6	50
12851	Hose Clamps for joints W4 63,3-66,5	50
12851	Hose Clamps for joints W4 67,8-71,9	50



One-ear clip



Two-ear clip

Rounded band edges which prevent cutting or damage to the hose.

D Easy and quick to mount.

C Materials free of toxic substances in accordance with current environmental legislation.

B All clips and clamps are marked with the clamping range and the Mikalor logo.

A Wide variety of models which cover many applications.

F In order to decide which ear clamp to use, add 1 mm to the OD of the tube or hose to be clamped.

E

F

A

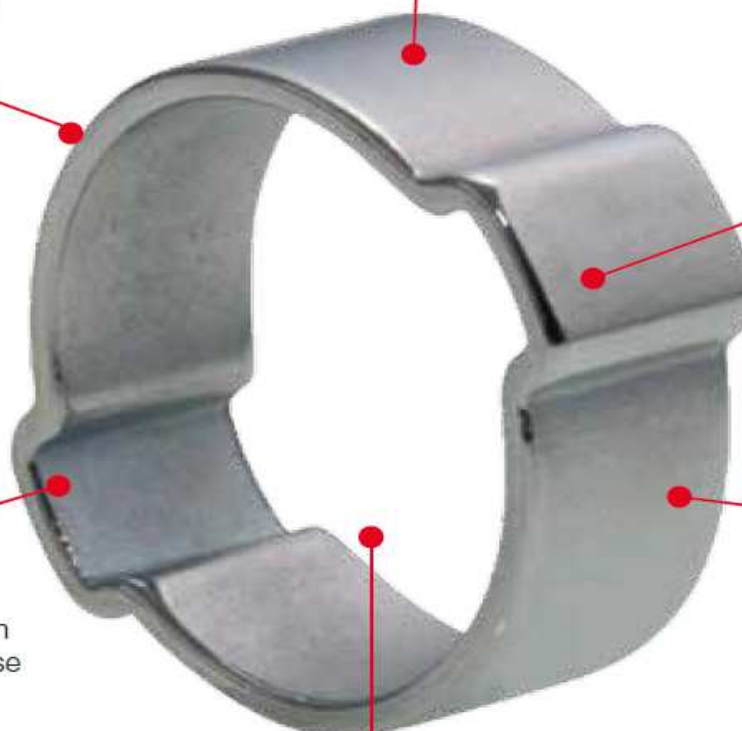
B

C

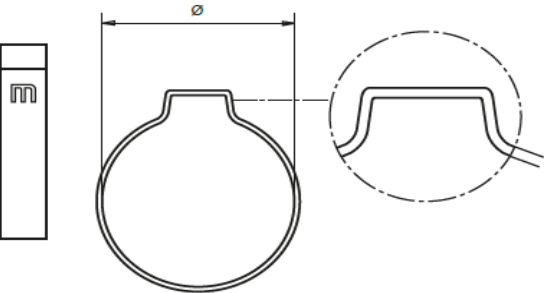
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E

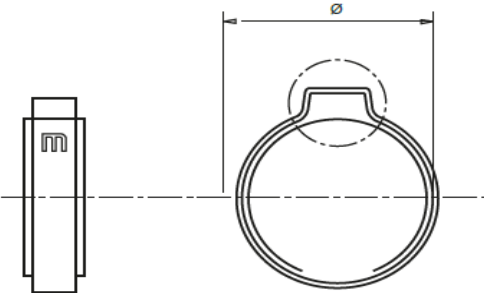
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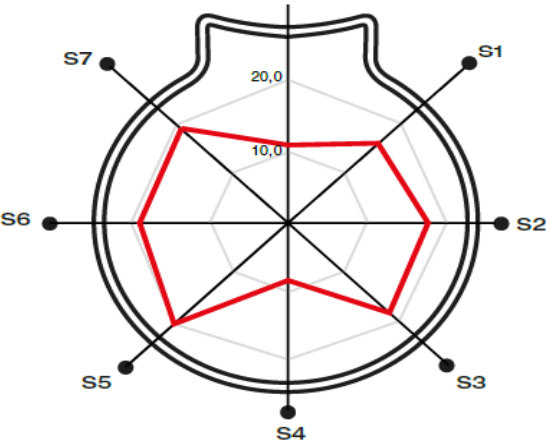
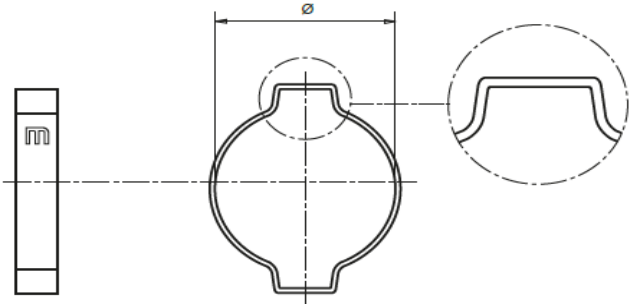
One-ear clip



One Ear clip with inner-ring



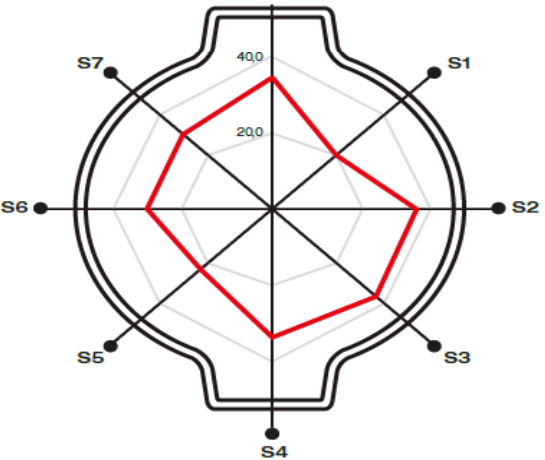
Two-ear clip



Polar Diagram

● Sectors	S1	S2	S3	S4	S5	S6	S7	S8
— Force Kg	16,1	17,8	18,1	8,2	20,4	18,8	19,8	11,2

Torque / Efficiency [Nm / daN]



Polar Diagram

● Sectors	S1	S2	S3	S4	S5	S6	S7	S8
— Force Kg	20,0	32,6	32,6	33,9	22,2	27,7	28,2	35,1

Min. value 15,2

Torque / Efficiency [Nm / daN]

<i>One-ear clip</i>			<i>One-ear clip inox</i>			<i>One Ear clip with inner-ring</i>		
Ø Application		Part n° <i>W1</i>	Ø Application		Part n° <i>W4</i>	Ø Application		Part n° <i>W1</i>
mm	inches		mm	inches		mm	inches	
min. - max.	min. - max.		min. - max.	min. - max.		min. - max.	min. - max.	
5-7	3/16-9/32	03012101						
7-9	9/32-11/32	03012110	7-9	9/32-11/32	23012440	7,5-8,5	19/64-21/64	03011009
9-11	11/32-7/16	03012128	8-10	5/16-13/32	23012087	8,0-9,5	5/6-3/8	03011010
10-12	13/32-15/32	03012099	9-11	11/32-7/16	23012010	9,0-10,5	23/64-13/32	03011029
11-13	7/16-17/32	03012136	10-12	13/32-15/32	23012028	10,0-11,5	25/64-29/64	03011037
13-15	17/32-19/32	03012144	11-13	7/16-17/32	23012036	10,5-12,5	13/32-31/64	03011045
14-17	9/16-11/16	03012152	12-14	15/32-9/16	23012044	11,5-13,3	29/64-17/32	03011053
15-18	19/32-23/32	03012160	13-15	17/32-19/32	23012079	13,0-15,3	33/64-39/64	03011061
17-20	11/16-25/32	03012179	14-16	9/16-5/8	23012052	15,0-17,3	19/32-11/16	03011070
19-21	3/4-27/32	03012187	15-17	19/32-11/16	23012458			
20-23	11/16-29/32	03012195	16-18	5/8-23/32	23012060			
22-25	7/8-2/2	03012208	17-19	11/16-3/4	23012423			
23-27	29/32-1-1/16	03012216	18-20	5/8-25/32	23012431			
25-28	2/2-1-3/32	03012224						
28-31	1-3/32-1-7/32	03012232						
31-34	1-7/32-1-11/32	03012240						
34-37	1-11/32-1-15/32	03012259						
37-40	1-15/32-1-19/32	03012267						
40-43	1-19/32-1-11/16	03012275						
43-46	1-11/16-1-13/16	03012283						

One Ear clip with inner-ring inox			Two-ear clip			
Ø Application		Part n° <i>W4</i>	Ø Application		Part n° <i>W1</i>	Part n° <i>W4</i>
mm	inches		mm.	inches		
min. - max.	min. - max.		min. - max.	min. - max.		
7,5-8,5	19/64-21/64	23012300	5-7	3/16-9/32	03012101	23012108
8,2-9,5	21/64-3/8	23012319	7-9	9/32-11/32	03012110	23012116
9,0-10,5	23/64-13/32	23012327	9-11	11/32-7/16	03012128	23012124
10,0-11,5	25/64-29/64	23012335	10-12	13/32-15/32	03012099	23012132
10,5-12,5	13/32-31/64	23012343	11-13	7/16-17/32	03012136	23012140
11,5-13,5	29/64-17/32	23012351	13-15	17/32-19/32	03012144	23012159
12,5-14,5	31/64-37/64	23012360	14-17	9/16-11/16	03012152	23012167
13,0-15,3	33/64-39/64	23012378	15-18	19/32-23/32	03012160	23012175
14,0-16,3	35/64-41/64	23012386	17-20	11/16-25/32	03012179	23012183
15,0-17,3	19/32-11/16	23012394	19-21	3/4-27/32	03012187	23012191
16,0-18,3	5/8-23/32	23012407	20-23	11/16-29/32	03012195	23012204
17,0-19,3	43/64-49/64	23012415	22-25	7/8-2/2	03012208	
			23-27	29/32-1-1/16	03012216	
			25-28	2/2-1-3/32	03012224	
			28-31	1-3/32-1-7/32	03012232	
			31-34	1-7/32-1-11/32	03012240	
			34-37	1-11/32-1-15/32	03012259	
			37-40	1-15/32-1-19/32	03012267	
			40-43	1-19/32-1-11/16	03012275	
			43-46	1-11/16-1-13/16	03012283	

Cabe Ties Black UV - very strong - super quality

CODE	Product name
0300007N	Cable ties 2,5 X 100 black UV - 100 pcs box
0300012N	Cable ties 3,6 X 150 black UV - 100 pcs box
0300014N	Cable ties 3,6 X 200 black UV - 100 pcs box
0300016N	Cable ties 3,6 X 300 black UV - 100 pcs box
0300021N	Cable ties 4,8 X 200 black UV - 100 pcs box
0300026N	Cable ties 4,8 X 300 black UV - 100 pcs box
0300027N	Cable ties 4,8 X 370 black UV - 100 pcs box
0300041N	Cable ties 7,6 X 450 black UV - 100 pcs box



SPECIFICATION:

Material: polyamide 6.6

Immunity class: UL 94 class V2

- resistant to UV radiation

Moisture absorption: 2.5% (relative humidity 50%)

Temperature range:

-40°C and + 85°C

Installation temperature:

-10°C and + 60°C

Melting point: + 256 ° C

Oxygen limit index (LOI) 27%

Smoke corrosion 5%

Dielectric strength 50,000 [v / mm]

Band (mm) / resistance (kg): 2,4 = 8; 2,5 = 8,1; 2,8 = 14, 3,6 = 18,2

(Norma MIL-S-23190) 4,8 = 22,2; 7,6 = 54,4; 9,0 = 79,4; 12,6 = 114

Approval in accordance with: UL US E75050

Mini clamp W1

CODE	Product name	Quantity in package
1250608	Mini clamp W1 6-8	100
1250709	Mini clamp W1 7-9	100
1250810	Mini clamp W1 8-10	100
1250911	Mini clamp W1 9-11	100
1251012	Mini clamp W1 10-12	100
1251113	Mini clamp W1 11-13	100
1251214	Mini clamp W1 12-14	100
1251315	Mini clamp W1 13-15	100
1251416	Mini clamp W1 14-16	100
1251517	Mini clamp W1 15-17	100
1251618	Mini clamp W1 16-18	100
1251719	Mini clamp W1 17-19	100
1251820	Mini clamp W1 18-20	100
1251921	Mini clamp W1 19-21	50
1252022	Mini clamp W1 20-22	50
1252123	Mini clamp W1 21-23	50
1252224	Mini clamp W1 22-24	50
1252325	Mini clamp W1 23-25	50
1252527	Mini clamp W1 25-27	50



Mini clamp W4

CODE	Product name	Quantity in package
1260608	Mini clamp W4 6-8	100
1260709	Mini clamp W4 7-9	100
1260810	Mini clamp W4 8-10	100
1260911	Mini clamp W4 9-11	100
1261012	Mini clamp W4 10-12	100
1261113	Mini clamp W4 11-13	100
1261214	Mini clamp W4 12-14	100
1261315	Mini clamp W4 13-15	100
1261416	Mini clamp W4 14-16	100
1261517	Mini clamp W4 15-17	100
1261618	Mini clamp W4 16-18	100
1261719	Mini clamp W4 17-19	100
1261820	Mini clamp W4 18-20	100
1261921	Mini clamp W4 19-21	50
1262022	Mini clamp W4 20-22	50
1262123	Mini clamp W4 21-23	50
1262224	Mini clamp W4 22-24	50
1262325	Mini clamp W4 23-25	50
1262527	Mini clamp W4 25-27	50

