

Worm Drive Clamps

126 & 177

Recommended for Home Appliance and Two-Wheeler applications

Benefits

- Durable and Reliable Connecting Solution for optimum sealing
- Worker-friendly installation with common tools



Curled, burr-free band edges: preventing hose damage (exceeds DIN 3017 standard)

Optimized band end: easy rounding and improved sealing

Asymmetric Housing and Embossment: prevent clamp from tilting, while tightening

FEATURES



Worm Drive Clamps 126 & 177

TECHNICAL DATA OVERVIEW

Material 126

W1 All parts coated steel

W2 Band and housing: stainless steel

Material No. 1.4016 / UNS S43000 or equivalent

Hexagon-head screw: steel, zinc-plated

Material 177

W3 All parts stainless steel

Material No. 1.4016 / UNS S43000 or equivalent

W4 All parts stainless steel

Material No. 1.4301 / UNS S30400

[Please ask for availability.](#)

Standard Series

Diameter range	Width x Thickness	Material availability
8.0 – 35.0 mm	9.0 x 0.6 mm	W2, W3, W4
25.0 – 160.0 mm	9.0 x 0.7 mm	W1, W2, W3, W4
16.0 – 32.0 mm	12.0 x 0.7 mm	W2, W3, W4
25.0 – 390.0 mm	12.0 x 0.8 mm	W2, W3, W4

Clamp design

Oetiker Worm Drive Clamps are technically advanced, multi-range hose clamps, which cover a very wide range of clamping diameters. Hoses of differing diameters can be securely connected with a single size.

Manufactured by cold-forming, the bands of these worm drive clamps have a slightly curved form. The depth of the thread impressions reduces to each side – the thread impressions have their full depth in the middle.

Worm drive clamps in material qualities W1 and W2 have a 7 A/F hexagon head screw with cross recess (Phillips). Clamps in material qualities W3 and W4 have a hexagon-head screw with a standard screwdriver slot.

Recommended installation

For professional installation, we recommend using a flexible screwdriver. This tool ensures safe installation even in hard-to-reach locations. For series installation requiring high process reliability, electronically monitored controlled-torque screwdrivers should be used.

ASSEMBLY DATA

Clamping range	Band width = 9 mm	Band width = 12 mm
Static tightening torque:		
8 – 22 mm	2 + 0.5 Nm	
16 – 160 mm	3 + 0.5 Nm	
16 – 390 mm		5 + 0.5 Nm
Static test torque:		
8 – 22 mm	max. 2.5 Nm	
16 – 160 mm	max. 4.5 Nm	
16 – 390 mm		max. 6.5 Nm

ORDER INFORMATION

Item No.	Ref. No.	Size Range (mm)
Worm Drive Clamp W1		
Band width 9 mm, thickness 0.7 mm		
12600514	09/025040 W1	25 – 40
12600515	09/030045 W1	30 – 45
12600516	09/032050 W1	32 – 50
12600517	09/035055 W1	35 – 55
12600518	09/040060 W1	40 – 60
12600519	09/050070 W1	50 – 70
12600520	09/060080 W1	60 – 80
12600521	09/070090 W1	70 – 90
12600522	09/080100 W1	80 – 100
12600523	09/090110 W1	90 – 110
12600524	09/100120 W1	100 – 120
12600525	09/110130 W1	110 – 130
12600526	09/120140 W1	120 – 140
12600527	09/130150 W1	130 – 150
12600528	09/140160 W1	140 – 160

Worm Drive Clamp W2**Band width 9 mm, thickness 0.6 mm**

12600590	09/008012 W2	8 – 12
12600591	09/008016 W2	8 – 16
12600592	09/010016 W2	10 – 16
12600452	09/012020 W2	12 – 20
12600581	09/012022 W2	12 – 22
12600453	09/016025 W2	16 – 25
12600572	09/016027 W2	16 – 27
12600454	09/020032 W2	20 – 32
12600573	09/023035 W2	23 – 35

ORDER INFORMATION

Item No.	Ref. No.	Size Range (mm)
Worm Drive Clamp W2		
Band width 9 mm, thickness 0.7 mm		
12600429	09/025040 W2	25 – 40
12600430	09/030045 W2	30 – 45
12600431	09/032050 W2	32 – 50
12600432	09/040060 W2	40 – 60
12600433	09/050070 W2	50 – 70
12600434	09/060080 W2	60 – 80
12600435	09/070090 W2	70 – 90
12600467	09/080100 W2	80 – 100
12600468	09/090110 W2	90 – 110
12600469	09/100120 W2	100 – 120
12600470	09/110130 W2	110 – 130
12600471	09/120140 W2	120 – 140
12600472	09/130150 W2	130 – 150
12600473	09/140160 W2	140 – 160

Band width 12 mm, thickness 0.7 mm

12600560	12/016027 W2	16 – 27
12600561	12/020032 W2	20 – 32

Worm Drive Clamp W2**Band width 12 mm, thickness 0.8 mm**

12600352	12/025040 W2	25 – 40
12600339	12/030045 W2	30 – 45
12600330	12/032050 W2	32 – 50
12600586	12/035055 W2	35 – 55
12600340	12/040060 W2	40 – 60
12600354	12/045065 W2	45 – 65
12600341	12/050070 W2	50 – 70
12600444	12/055075 W2	55 – 75
12600342	12/060080 W2	60 – 80
12600343	12/070090 W2	70 – 90
12600355	12/075095 W2	75 – 95
12600338	12/080100 W2	80 – 100
12600344	12/090110 W2	90 – 110
12600345	12/100120 W2	100 – 120
12600346	12/110130 W2	110 – 130
12600347	12/120140 W2	120 – 140
12600348	12/130150 W2	130 – 150
12600349	12/140160 W2	140 – 160

! Other diameter ranges on request.

ORDER INFORMATION

Item No.	Ref. No.	Size Range (mm)	Item No.	Ref. No.	Size Range (mm)
Worm Drive Clamp W2			Worm Drive Clamp W3		
Band width 12 mm, thickness 0.8 mm			Band width 9 mm, thickness 0.7 mm		
12600350	12/150170 W2	150 – 170	17700471	09/090110 W3	90 – 110
12600351	12/160180 W2	160 – 180	17700472	09/100120 W3	100 – 120
12600353	12/170190 W2	170 – 190	17700473	09/110130 W3	110 – 130
12600395	12/180200 W2	180 – 200	17700474	09/120140 W3	120 – 140
12600401	12/190210 W2	190 – 210	17700475	09/130150 W3	130 – 150
12600396	12/200220 W2	200 – 220	17700476	09/140160 W3	140 – 160
12600397	12/210230 W2	210 – 230	Band width 12 mm, thickness 0.7 mm		
12600400	12/220240 W2	220 – 240	17700592	12/016027 W3	16 – 27
12600417	12/230250 W2	230 – 250	17700593	12/020032 W3	20 – 32
12600398	12/240260 W2	240 – 260	Band width 12 mm, thickness 0.8 mm		
12600418	12/250270 W2	250 – 270	17700528	12/025040 W3	25 – 40
12600460	12/260280 W2	260 – 280	17700529	12/030045 W3	30 – 45
12600419	12/270290 W2	270 – 290	17700530	12/032050 W3	32 – 50
12600443	12/280300 W2	280 – 300	17700531	12/035055 W3	35 – 55
12600426	12/290310 W2	290 – 310	17700532	12/040060 W3	40 – 60
12600399	12/300320 W2	300 – 320	17700533	12/045065 W3	45 – 65
12600420	12/350370 W2	350 – 370	17700534	12/050070 W3	50 – 70
12600421	12/370390 W2	370 – 390	17700535	12/055075 W3	55 – 75
Worm Drive Clamp W3			17700536	12/060080 W3	60 – 80
Band width 9 mm, thickness 0.6 mm			17700546	12/070090 W3	70 – 90
17700713	09/008012 W3	8 – 12	17700547	12/075095 W3	75 – 95
17700714	09/008016 W3	8 – 16	17700548	12/080100 W3	80 – 100
17700715	09/010016 W3	10 – 16	17700549	12/090110 W3	90 – 110
17700511	09/012020 W3	12 – 20	17700550	12/100120 W3	100 – 120
17700687	09/012022 W3	12 – 22	17700551	12/110130 W3	110 – 130
17700514	09/016025 W3	16 – 25	17700552	12/120140 W3	120 – 140
17700675	09/016027 W3	16 – 27	17700553	12/130150 W3	130 – 150
17700515	09/020032 W3	20 – 32	17700554	12/140160 W3	140 – 160
17700676	09/023035 W3	23 – 35	17700555	12/150170 W3	150 – 170
Band width 9 mm, thickness 0.7 mm			17700614	12/160180 W3	160 – 180
17700462	09/025040 W3	25 – 40	17700615	12/170190 W3	170 – 190
17700463	09/030045 W3	30 – 45	17700616	12/180200 W3	180 – 200
17700464	09/032050 W3	32 – 50	17700617	12/190210 W3	190 – 210
17700465	09/035055 W3	35 – 55	17700618	12/200220 W3	200 – 220
17700466	09/040060 W3	40 – 60	17700619	12/210230 W3	210 – 230
17700467	09/050070 W3	50 – 70	17700620	12/220240 W3	220 – 240
17700468	09/060080 W3	60 – 80	17700621	12/230250 W3	230 – 250
17700469	09/070090 W3	70 – 90	17700622	12/240260 W3	240 – 260
17700470	09/080100 W3	80 – 100	17700623	12/250270 W3	250 – 270

! Other diameter ranges on request.

ORDER INFORMATION

Item No.	Ref. No.	Size Range (mm)
Worm Drive Clamp W3		
Band width 12 mm, thickness 0.8 mm		
17700624	12/260280 W3	260 – 280
17700625	12/270290 W3	270 – 290
17700626	12/280300 W3	280 – 300
17700627	12/290310 W3	290 – 310
17700628	12/300320 W3	300 – 320
17700629	12/350370 W3	350 – 370
17700630	12/370390 W3	370 – 390

Worm Drive Clamp W4
Band width 9 mm, thickness 0.6 mm

17700688	09/008012 W4	8 – 12
17700512	09/008016 W4	8 – 16
17700689	09/010016 W4	10 – 16
17700513	09/012020 W4	12 – 20
17700690	09/012022 W4	12 – 22
17700516	09/016025 W4	16 – 25
17700677	09/016027 W4	16 – 27
17700517	09/020032 W4	20 – 32
17700678	09/023035 W4	23 – 35

Band width 9 mm, thickness 0.7 mm

17700477	09/025040 W4	25 – 40
17700478	09/030045 W4	30 – 45
17700479	09/032050 W4	32 – 50
17700480	09/035055 W4	35 – 55
17700481	09/040060 W4	40 – 60
17700482	09/050070 W4	50 – 70
17700483	09/060080 W4	60 – 80
17700484	09/070090 W4	70 – 90
17700485	09/080100 W4	80 – 100
17700486	09/090110 W4	90 – 110
17700487	09/100120 W4	100 – 120
17700488	09/110130 W4	110 – 130
17700489	09/120140 W4	120 – 140
17700490	09/130150 W4	130 – 150
17700491	09/140160 W4	140 – 160

Band width 12 mm, thickness 0.7 mm

17700596	12/016027 W4	16 – 27
17700597	12/020032 W4	20 – 32

Item No.	Ref. No.	Size Range (mm)
Worm Drive Clamp W4		
Band width 12 mm, thickness 0.8 mm		
17700537	12/025040 W4	25 – 40
17700538	12/030045 W4	30 – 45
17700539	12/032050 W4	32 – 50
17700540	12/035055 W4	35 – 55
17700541	12/040060 W4	40 – 60
17700542	12/045065 W4	45 – 65
17700543	12/050070 W4	50 – 70
17700544	12/055075 W4	55 – 75
17700545	12/060080 W4	60 – 80
17700556	12/070090 W4	70 – 90
17700557	12/075095 W4	75 – 95
17700558	12/080100 W4	80 – 100
17700559	12/090110 W4	90 – 110
17700560	12/100120 W4	100 – 120
17700561	12/110130 W4	110 – 130
17700562	12/120140 W4	120 – 140
17700563	12/130150 W4	130 – 150
17700564	12/140160 W4	140 – 160
17700565	12/150170 W4	150 – 170
17700648	12/160180 W4	160 – 180
17700649	12/170190 W4	170 – 190
17700650	12/180200 W4	180 – 200
17700651	12/190210 W4	190 – 210
17700652	12/200220 W4	200 – 220
17700653	12/210230 W4	210 – 230
17700654	12/220240 W4	220 – 240
17700655	12/230250 W4	230 – 250
17700656	12/240260 W4	240 – 260
17700657	12/250270 W4	250 – 270
17700658	12/260280 W4	260 – 280
17700659	12/270290 W4	270 – 290
17700660	12/280300 W4	280 – 300
17700661	12/290310 W4	290 – 310
17700662	12/300320 W4	300 – 320
17700663	12/350370 W4	350 – 370
17700664	12/370390 W4	370 – 390

! Other diameter ranges on request.