

METAL-TO-METAL FASTENERS

# QUIKDRILL™

METAL2METAL | METAL2METAL HD



Value through the Roof.

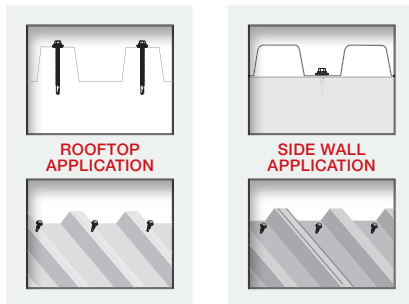
# Reliable Self-Drilling Performance. Superior Marco Value.

Value drives everything we do. That's why our exclusive Weather-Tite™ System includes a full line of dependable QuikDrill™ Metal-To-Metal self-drilling fasteners for attaching metal roofs, sidewalls, and other metal panels with superior Marco performance. In fact, independent lab testing confirms Marco fasteners stand up to salt spray longer than other leading fasteners, giving you peace of mind for years to come.

## QuikDrill Fastener Features

- Higher crown for a better, tighter socket fit and quick installation
- Cupped head and HWH for improved pullover strength
- EPDM washer for a tight, sealed fit, standard
- Drill design that provides quick penetration and prevents point walking
- Durable 1 mil mechanical (with excellent salt spray and Kesternich ratings) or .0003 electroplating for increased wear resistance

## Recommended Installation



## Installation Tips

Always choose the appropriate fastener for the thickness and type of material to be drilled for any given application. To ensure optimum fastening performance, a 1900 to 2500 RPM screw gun rated 6 amps or more and fitted with a properly adjusted depth-locating nosepiece should be used. Sufficient pressure must be applied while screw gun is perpendicular to the working area. Overdriving fasteners can lead to leaks and other problems.



A lobe socket grips the fastener on 6 sides to prevent paint chipping which leads to rust. The nosepiece of the drill needs to be set to the correct height for proper washer installation.

CORRECT



INCORRECT



Drive fastener level to metal surface.

The Marco  
Weather-Tite™  
System

Closure

Ventilation

Fasteners

Flashing

Sealants

Underlayment

Accessories

## Going The Extra Mile. That's Value Through The Roof.

At Marco, we built our reputation on quality products and above-and-beyond service. Our specialty fasteners are a good example. To meet customer needs, we carry a variety of specialty fasteners that stand up to our stringent quality standards and performance measures. These include, but are not limited to the following:



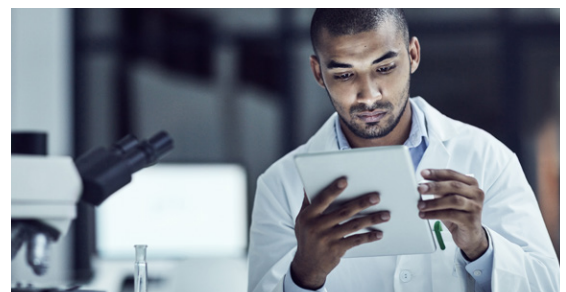
- Zinc Alloy and Stainless Steel capped fasteners used throughout the industry when a 40-year application is desired.



- Marco's P2M, ideal for plywood-to-metal applications where either a #3 or #4 point is required for a clean cut. This winged fastener reams a hole in the wood to prevent the threads from engaging as you drill. When the fastener hits metal, the wings break off and threads engage the metal for a fast application and strong hold.

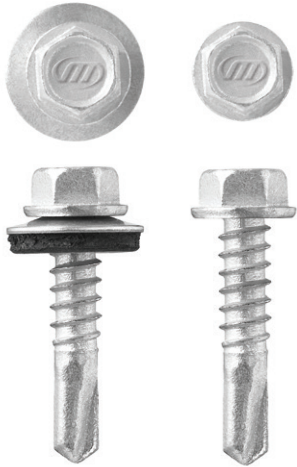
But at Marco, we'll go even further. If you need a different specialty fastener, call us. We'll go out of our way to provide a product that will meet your unique needs and pass our thorough testing and quality reviews. That's what Marco value is all about.

To ensure our superior performance standards are upheld, we subject products to internal and independent testing and quality reviews, often far beyond industry standards. ▶



# QuikDrill Metal2Metal

These self-drilling screws are ideal for light-to-medium gauge metal-to-metal building applications. Our QuikDrill Metal2Metal drill points are designed to penetrate a wide variety of metal thicknesses. QuikDrill #2 and #3 points utilize a chisel flute that speeds up drilling time and eliminates point walking. The #10, #12 and #14 HWH are available with or without a bonded sealing washer.



	Size	Head	Carton Qty	Weight/M
*	10 - 16 x 1/2"	5/16" HWH	10000	5.0
*	10 - 16 x 5/8"	5/16" HWH	10000	5.7
	10 - 16 x 3/4"	5/16" HWH	5000	6.3
	10 - 16 x 1"	5/16" HWH	5000	7.6
	12 - 14 x 3/4"	5/16" HWH	2500	8.4
	12 - 14 x 1"	5/16" HWH	2500	10.0
	12 - 14 x 1-1/4"	5/16" HWH	2500	11.8
	12 - 14 x 1-1/2"	5/16" HWH	2500	13.3
	12 - 14 x 2"	5/16" HWH	2000	16.7
	12 - 14 x 2-1/2"	5/16" HWH	1500	21.4
	12 - 14 x 3"	5/16" HWH	1000	25.0
	12 - 14 x 4"	5/16" HWH	500	30.3
	1/4 - 14 x 7/8" stitch	5/16" HWH	2500	13.0
	14 - 14 x 3/4"	3/8" HWH	2500	12.5
	1/4 - 14 x 1"	3/8" HWH	2500	15.2
	1/4 - 14 x 1-1/4"	3/8" HWH	2000	17.5
	1/4 - 14 x 1-1/2"	3/8" HWH	2000	19.6
	1/4 - 14 x 2"	3/8" HWH	1500	23.8
	1/4 - 14 x 2-1/2"	3/8" HWH	1500	30.0
	1/4 - 14 x 3"	3/8" HWH	1000	33.2
	1/4 - 14 x 4"	3/8" HWH	500	41.9
	1/4 - 14 x 5"	3/8" HWH	500	50.7
	1/4 - 14 x 6"	3/8" HWH	500	53.0
	12 - 14 x 3/4"	5/16" CHWH	2500	11.8
	12 - 14 x 1"	5/16" CHWH	2500	12.5
	12 - 14 x 1-1/4"	5/16" CHWH	2500	14.1
	12 - 14 x 1-1/2"	5/16" CHWH	2000	15.9
	12 - 14 x 2"	5/16" CHWH	1500	21.3
	1/4 - 14 x 7/8" stitch	5/16" CHWH	2500	13.0

*\*Not sold with sealing washer.*

WASHER SIZES		
#10	12mm	OD
#12	14mm	OD
#14	15mm	OD

WASHER SIZE STITCH		
#14	14mm	OD

DRILLING CAPACITY	
10 - 16 #2	.035 - .110
10 - 16 #3	.035 - .176
12 - 24 #2.5	.050 - .210
1/4 - 14 #3	.060 - .220

Point Diameter	Drill Point	Major Diameter	Minor Diameter	Head Across Flat	Washer Face Diameter
#10	#2	.189 / .183	.141 / .135	.312 / .305	.398 / .432
#12	#2.5	.215 / .209	.164 / .157	.312 / .305	.398 / .432
#14	#3	.246 / .240	.192 / .185	.375 / .367	.398 / .432
#1/4" stitch	#1	.246 / .240	.192 / .185	.305 / .312	.398 / .432

**PULL OUT STRENGTH (LBS ULT)**

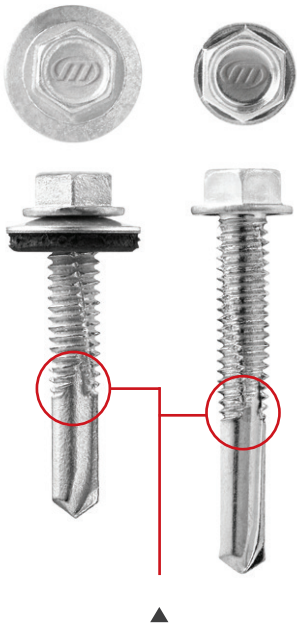
Designation	MATERIAL							
	HRS Primed Only				G-90 Galvanized			
Nom. Gauge	16	14	12	22	18	16	14	12
Thickness	.065	.070	.106	.031	.047	.060	.072	.101
#10	580	922	1405	211	473	680	890	580
#12	423	783	1223	238	438	584	764	1163
1/4"	524	850	1424	218	420	603	742	1221

**PULL OVER STRENGTH (LBS ULT)**

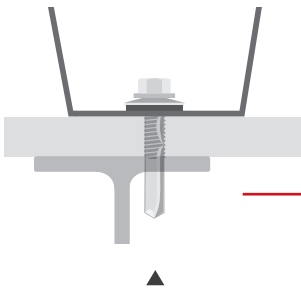
Designation	MATERIAL			
	AZ55 Galvanized			
Nom. Gauge	26	24	22	20
Thickness	.019	.024	.032	.038
#10 with 12mm Washer	800	1167	1144	1688
#12 with 14mm Washer	680	888	1273	1681
1/4" with 15mm Washer	935	1132	1312	2015

# QuikDrill Metal2Metal HD

QuikDrill Metal2Metal Heavy Duty self-drilling fasteners are designed for drilling .250 to .500 steel thickness in heavy gauge applications. Assembled with optional galvanized, bonded EPDM washers, they are ideal for applications including securing metal decks to structural steel, awnings, canopies, bar joists, and retrofit clips. To penetrate steel thickness up to .5", use fastener lengths over 1-1/4". To drill up to .25", choose 12-24 x 7/8".



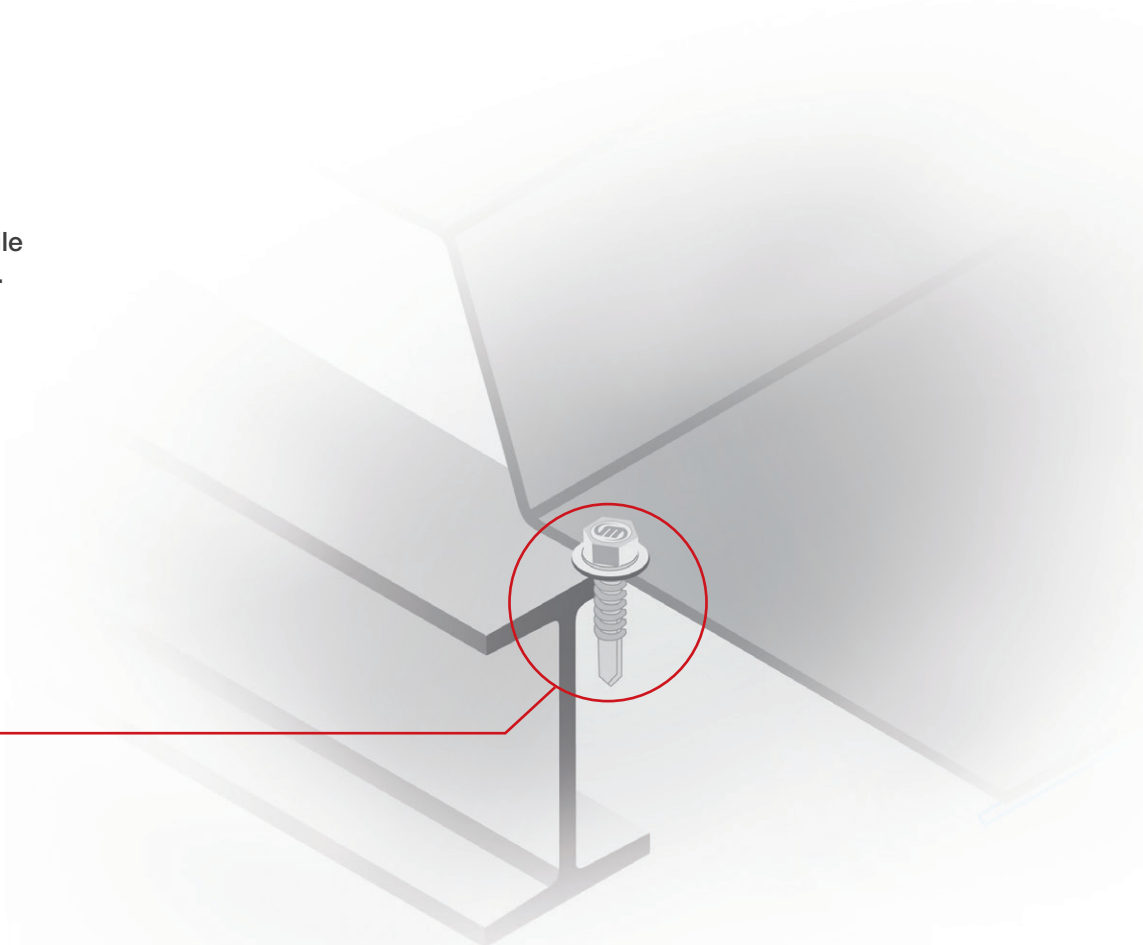
A slotted shank helps the thread cut into substrate, while fluting removes small chips.



**Drilling Capacity**  
#5 .125 - .500

	Size	Head	Drill Point	Carton Qty	Weight/M
*	12 - 24 x 7/8"	5/16" HWH	#4	2500	12.0
	12 - 24 x 1-1/4"	5/16" HWH	#5	2500	12.6
	12 - 24 x 1-1/2"	5/16" HWH	#5	2000	16.2
	12 - 24 x 2"	5/16" HWH	#5	1500	22.1
*	1/4" - 20 x 3"	3/8" HWH	#5	1000	29.5
*	1/4" - 20 x 4"	3/8" HWH	#5	500	36.0
*	1/4" - 20 x 5"	3/8" HWH	#5	500	43.6
*	1/4" - 20 x 6"	3/8" HWH	#5	500	51.9

*\*Note non standard inventory, available upon request.*



**WASHER SIZES**

#12	14mm	OD
#14	15mm	OD

**DRILLING CAPACITY**

#4	.125 - .250
#5	.125 - .500

Diameter	Drill Point	Major Diameter	Minor Diameter	Washer Face DIA
#12 - 24	#4, #5	.215 / .209	.164 REF	.432 / .398
1/4" - 20	#5	.241 / .250	.192 REF	.520 / .480

Diameter	Head Across	Nominal Tensile	Minimum Torsional	Nominal Shear
#12 - 24	.311 / .305	3729 LBS	150 IN-LBS	2542 LBS
1/4" - 20	.375 / .367	4442 LBS	205 IN-LBS	3367 LBS

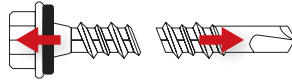
**PULL OUT STRENGTH (LBS ULT)**

MATERIAL				
Designation	HRS Primed Only			
Nom. Gauge	14	12	3/16	1/4
Thickness	.070	.106	.187	.250
#12 - 24 HD	695	1264	2347	3816

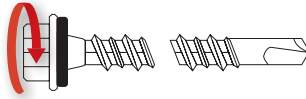
**PULL OVER STRENGTH (LBS ULT)**

MATERIAL			
Designation	AZ55 Galvanized		
Nom. Gauge	26	24	22
Thickness	.019	.024	.032
#12 - 24 HD	755	1164	1304

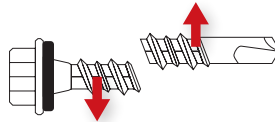
# Fastener Terms



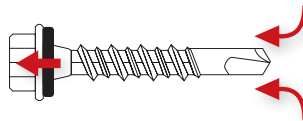
**Tension Strength:** The point at which a fastener fails under a load exerted in two direct and opposite directions. Fastener tension is created when a fastener elongates during tightening, producing the clamp load that prevents movement between joint members. Such movement is arguably the most common cause of structural joint failures.



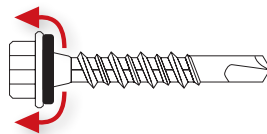
**Torsion Strength:** With Torsion testing, we are able to simulate real life service conditions, check product quality, and ensure proper manufacturing techniques. Torsion tests are performed by applying rotational forces or by applying both compression and rotational forces. Types of torsion testing vary from product to product but can usually be classified as failure, proof, or product operation testing.



**Shear Strength:** Shear is accomplished by exerting shear force (pressure) in the crosswise surface of the fastener until shear failure occurs. Shear force causes the two adjacent portions of the fastener to slide in opposite directions parallel to their contact surface.



**Pullout Performance:** Pullout is the capacity of a fastener's thread connection with a particular medium to remain intact and resist being pulled out of the medium.



**Pullover Performance:** Pullover performance relates to the capacity of a fastener to resist the pulling of the fastened sheet material over the head of the fastener. The resistance to pullover is related to the strength and diameter of the fastener washer as well as the strength and thickness of the metal panel used.

**Visit [MarcoIndustries.com](http://MarcoIndustries.com) to see our Fastener Selection Guide.**



800.800.8590 / [MarcoIndustries.com](http://MarcoIndustries.com)



Marco's Rapid Response™ delivers, faster and easier. Take advantage of free shipping with low minimum orders.



METAL-TO-WOOD FASTENERS

# QUIKGRIP™

METAL2WOOD | METAL2WOOD HD | METAL2WOOD XD | LOPRO™ | 300SS



Value through the Roof.

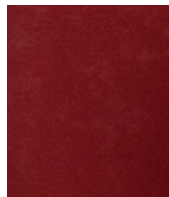
# Proven Performance. Huge Selection. Marco Quality.

Value drives everything we do. That's why our exclusive Weather-Tite™ System offers everything you need for superior metal cladding installation, right down to the fasteners that hold it all together. Like all our products, Marco fasteners live up to our industry-leading focus on quality and performance. Independent lab testing confirms Marco fasteners stand up to salt spray longer than other leading fasteners, giving you peace of mind for years to come. Get the quality, performance and value you need all from one source: Marco.

## Get The Color You Want, With The Performance You Need.

More standard colors. Optional custom colors. All with a premium paint finish that bends and bounces back under stress without the cracking, flaking, or chipping you can get with powder coating. That's the exclusive MatchTech™ system from Marco. If you want superior performance and a wide variety of durable colors to match, don't settle for anything less.

*Color chart available upon request at [marcoindustries.com/color](http://marcoindustries.com/color).*



Marco



Powder Coat

Typical powder coating paint processes can end up cracking, flaking, chipping, and disintegrating under pressure.



### The Marco Weather-Tite™ System

Closure

Ventilation

Fasteners

Flashing

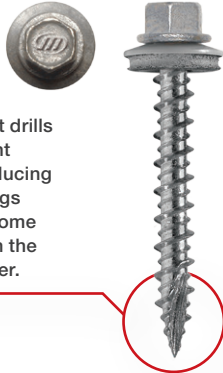
Sealants

Underlayment

Accessories

# QuikGrip Metal2Wood

Our Metal2Wood fastener is designed to attach steel roofing and siding used in post-frame and residential metal roofing applications. A high-hex washer head provides driving stability, Hi-Lo threads deliver superior holding strength, and the Type 17 point makes installation quick. High-quality mechanical zinc plating provides extended corrosion resistance while a bonded seal washer creates a truly Weather-Tite seal – even when driven at an angle.



Type 17 point drills with no “point walking,” reducing metal shavings that can become embedded in the rubber washer.

WASHER SIZES	
#10 HiLo	
ID	OD
.214"	.472"

Size	Head	Carton Qty	Weight/M
10 x 1"	1/4" HWH	2500	8.250
10 x 1-1/2"	1/4" HWH	2500	10.321
10 x 2"	1/4" HWH	2000	12.495
10 x 2-1/2"	1/4" HWH	1500	15.068
10 x 3"	1/4" HWH	1000	16.867
12 x 3/4" stitch	1/4" HWH	2500	10.587
12 x 1"	1/4" HWH	2500	10.5
12 x 1-1/2"	1/4" HWH	2500	13.9
12 x 2"	1/4" HWH	2000	16.5
12 x 2-1/2"	1/4" HWH	1500	20.6
12 x 3"	1/4" HWH	1000	24.7

Point Diameter	Major Diameter	Minor Diameter	Head Across Flat
#10 25° Type 17	.191 / .199	.127 / .133	.246 / .251
#12 25° Type 17	.220 / .230	.152 / .159	.246 / .251

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
#10 25° Type 17	2440 LBS	60 IN-LBS	1575 LBS
#12 25° Type 17	3561 LBS	95 IN-LBS	2503 LBS

### PULL OUT STRENGTH (LBS ULT)

SUBSTRATES											
	Plywood			OSB	Southern Pine		Spruce Pine Fir		Oak	Hemlock Fir	
	3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	1"	1"	1-1/2"
#10	657	436	341	230	713	1741	676	1074	1895	694	795
#12	643	500	393	393	735	969	565	1017	-	-	-

### PULL OVER STRENGTH (LBS ULT)

MATERIAL			
Designation	AZ55 Galvalume		
Nom. Gauge	29	26	24
Thickness	.015	.019	.024
#10 x .472	379	630	723

# QuikGrip Metal2Wood HD

This is your heavy-duty fastener designed to withstand the stresses of demanding applications. EPDM rubber is bonded to the steel washer to prevent delaminating, forming a superior seal – even when driven at an angle. The 5/16" HWH with bonded sealing washer covers the existing hole completely, creating a watertight seal, even if stretched out by movement of the metal roof. And like our standard Metal2Wood fastener, mechanical zinc plating provides extended corrosion resistance.



Size	Head	Carton Qty	Weight/M
14 x 1"	5/16" HWH	2500	8.250
14 x 1-1/2"	5/16" HWH	2000	10.321
14 x 2"	5/16" HWH	1500	12.495

WASHER SIZES	
#10 HiLo	
ID	OD
.275"	.590"

Point Diameter	Major Diameter	Minor Diameter	Head Across Flat
30° Type 17	.248 / .254	.178 / .185	.305 / .312

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
30° Type 17	4272 LBS	150 IN-LBS	2995 LBS

### PULL OUT STRENGTH (LBS ULT)

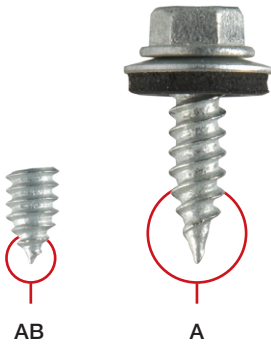
SUBSTRATES										
Plywood			OSB	Southern Pine		Spruce Pine Fir		Oak	Hemlock Fir	
3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	1"	1"	1-1/2"
858	420	436	300	832	1620	774	1387	-	1014	1579

### PULL OVER STRENGTH (LBS ULT)

MATERIAL					
Designation	AZ55 Galvalume				G-90 Galvanized
Nom. Gauge	29	26	24	22	20
Thickness	.015	.019	.024	.032	.038
14mm x .590	759	696	1190	1310	1585

# QuikGrip Metal2Wood XD

Ideal for wood and light gauge metal with a pre-drilled hole. Our full range of carbon steel self-tapping screws deliver Marco quality proven in installations coast-to-coast.



Metal2Wood XD is available in two point styles – AB and A.

Size	Head	Carton Qty	Weight/M
14 x 1"	3/8" HWH	2000	16.91
14 x 1-1/4"	3/8" HWH	2000	17.63
14 x 1-1/2"	3/8" HWH	1500	24.60
14 x 2"	3/8" HWH	1000	26.02
14 x 2-1/2"	3/8" HWH	1000	30.80
14 x 3"	3/8" HWH	1000	35.91
17 x 3/4" – AB	3/8" HWH	2000	14.02
17 x 1" – AB	3/8" HWH	2000	18.00
17 x 1-1/2" – AB	3/8" HWH	2000	22.03

Point Diameter	Major Diameter	Minor Diameter	Head Diameter
30° Sharp 14	.248 / .254	.178 / .185	.367 / .375
45° Sharp 17	.285 / .295	.215 / .225	.367 / .375

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
30° Sharp 14	4281 LBS	150 IN-LBS	2999 LBS
45° Sharp 17	5167 LBS	260 IN-LBS	3957 LBS

### PULL OUT STRENGTH (LBS ULT)

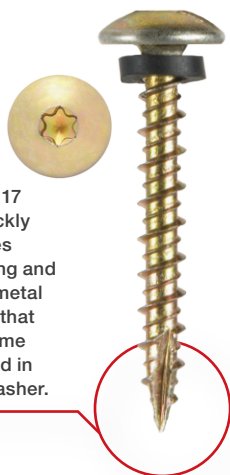
SUBSTRATES											
	Plywood			OSB	Yellow Pine		Hemlock	Spruce	HRS Prime Only		
	3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	16/.065	14/.070	12/.106
#14	858	534	356	325	765	1269	739	1234	1102	1561	2229
#17	-	-	-	-	-	-	-	-	1185	2248	3595

### PULL OVER STRENGTH (LBS ULT)

MATERIAL					
Designation	AZ55 Galvalume				G-90 Galvanized
Nom. Gauge	29	26	24	22	20
Thickness	.015	.019	.024	.032	.038
#14 x 15mm (.590")	559	892	1200	1275	1610
#17 x 16mm (.630")	559	892	1200	1275	1610

## QuikGrip LoPro

LoPro provides a quality, low-profile appearance on sidewall and roofing applications installed into wood substrates. Featuring a round head, with a hexalobular internal drive, LoPro is specially designed to fit a standard T-25 internal drive bit. The undercut fastener head with the EPDM rubber washer provides a secure seal even when driven at an angle. And the yellow dichromate zinc plating delivers better corrosion resistance than standard-plated fasteners.



The Type 17 point quickly penetrates steel siding and reduces metal shavings that can become embedded in rubber washer.

Size	Head	Carton Qty	Weight/M
10 x 1-1/2"	TRUSS	2500	10.1
10 x 2-1/2"	TRUSS	1500	15.4

WASHER SIZES	
#10 T-25 HiLo	
ID	OD
-	8.5 mm
THICKNESS	
2.5 mm	

Point Diameter	Major Diameter	Minor Diameter	Head Diameter
25° Type 17	.191 / .199	.127 / .133	.487 / .511

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
25° Type 17	2094 LBS	56 IN-LBS	2418 LBS

### PULL OUT STRENGTH (LBS ULT)

SUBSTRATES										
Plywood			OSB	Southern Pine		Spruce Pine Fir		Oak	Hemlock Fir	
3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	1"	1"	1-1/2"
738	451	250	215	620	912	549	671	1465	690	883

### PULL OVER STRENGTH (LBS ULT)

MATERIAL			
Designation	AZ55 Galvalume		
Nom. Gauge	29	26	
Thickness	.015	.019	
#10	654	732	

## QuikGrip 300ss

Marco's 300ss stainless steel HWH and bonded washer provides protection in the harshest environments.

With its 25° sharp point, the 300SS is an excellent choice for use in aluminum liner panel applications, and can also function well for animal confinement structures. Whatever the application, the HWH design holds the EPDM rubber washer to provide a protected seal, even when driven at an angle.



The 25° sharp point is ideal for self-drilling through aluminum lines panels.

Size	Head	Carton Qty	Weight/M
9 x 1"	1/4" HWH	2500	7.9
9 x 1-1/2"	1/4" HWH	2500	9.9

WASHER SIZES	
#9	
ID	OD
.214"	.472"

Point Diameter	Major Diameter	Minor Diameter	Washer Face DIA
25° Sharp Point	.175 / .181	.127 / .133	.338 / .350

Point Diameter	Head Across Flat	Nominal Tensile	Nominal Shear
25° Sharp Point	.250 / .244	1134 LBS	1033 LBS

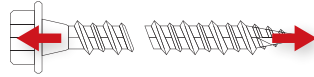
### PULL OUT STRENGTH (LBS ULT)

SUBSTRATES										
Plywood			OSB	Southern Pine		Spruce Pine Fir		Hemlock Fir		
3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	FULL	1"	1-1/2"	
687	413	399	119	675	1310	551	1044	760	1309	

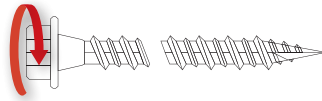
### PULL OVER STRENGTH (LBS ULT)

MATERIAL			
Designation	AZ55 Galvalume		
Nom. Gauge	29	26	
Thickness	.015	.019	
300SS Sharp Point	647	738	

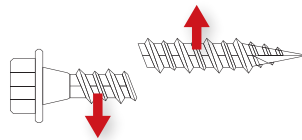
# Fastener Terms



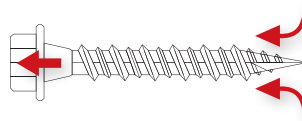
**Tension Strength:** The point at which a fastener fails under a load exerted in two direct and opposite directions. Fastener tension is created when a fastener elongates during tightening, producing the clamp load that prevents movement between joint members. Such movement is arguably the most common cause of structural joint failures.



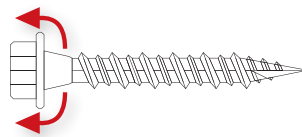
**Torsion Strength:** With Torsion testing, we are able to simulate real life service conditions, check product quality, and ensure proper manufacturing techniques. Torsion tests are performed by applying rotational forces or by applying both compression and rotational forces. Types of torsion testing vary from product to product but can usually be classified as failure, proof, or product operation testing.



**Shear Strength:** Shear is accomplished by exerting shear force (pressure) in the crosswise surface of the fastener until shear failure occurs. Shear force causes the two adjacent portions of the fastener to slide in opposite directions parallel to their contact surface.



**Pullout Performance:** Pullout is the capacity of a fastener's thread connection with a particular medium to remain intact and resist being pulled out of the medium.



**Pullover Performance:** Pullover performance relates to the capacity of a fastener to resist the pulling of the fastened sheet material over the head of the fastener. The resistance to pullover is related to the strength and diameter of the fastener washer as well as the strength and thickness of the metal panel used.

**Visit [MarcoIndustries.com](http://MarcoIndustries.com) to see our Fastener Selection Guide.**



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ROOF CLIP FASTENERS

# CLIPSCREWS™

METAL2WOOD | ULTRALO METAL2WOOD | METAL2METAL



# Marco Quality In An Entire Roof Clip System.

Get superior ClipScrews, plus M-Clip snap-lock clips, fixed clips, slider assemblies, bearing plates and hidden hangers. All from one source: Marco.

## QuikGrip Metal2Wood ClipScrews

Marco QuikGrip Metal2Wood ClipScrews are the ideal choice to attach standing-seam roof clips to plywood, OSB, or wood purlins. The unique head style configuration allows Metal2Wood ClipScrews to provide the superior performance you've come to expect from Marco-quality products. Each Metal2Wood ClipScrew comes standard with our proven 8-micron electroplating for exceptional lubricity, wear resistance, and excellent durability. Engineered with an installation combo drive control for uniform installation performance, Marco QuikGrip Metal2Wood ClipScrews deliver long-lasting quality and superior hold.



Size	Head	Carton Qty	Weight/M
10 x 1"	#2 Phillips Square Pancake	5000	6.776
10 x 1-1/2"	#2 Phillips Square Pancake	2500	9.268

Point Diameter	Major Diameter	Minor Diameter	Head Diameter
28° Type 17	.194 / .188	.133 / .126	.423 / .447

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
28° Type 17	2140 LBS	56 IN-LBS	1545 LBS

### PULL OUT STRENGTH (LBS ULT)

SUBSTRATES										
Plywood			OSB	Southern Pine		Spruce Pine Fir		Oak	Hemlock Fir	
3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	1"	1"	1-1/2"
838	428	373	257	658	941	579	921	-	767	928

### PULL OVER STRENGTH (LBS ULT)

MATERIAL				
Designation	AZ55 Galvalume			
Nom. Gauge	29	26	24	22
Thickness	.015	.019	.024	.032
ClipScrew	771	804	910	1806

## QuikGrip UltraLo Metal2Wood ClipScrews

QuikGrip UltraLo Metal2Wood ClipScrews offer a 45% lower-than-standard head height, making them the low-profile choice for securing slotted, snap-lock roof panels to plywood, OSB, or wood purlins. The UltraLo addresses common installation problems such as dimpling and canning. Our low-profile head design fits most panel recesses, and when used with Marco M-Clips delivers a trouble-free installation. Marco QuickGrip UltraLo screws feature a special deep thread that pulls the fastener tighter and resists pullout better. UltraLo ClipScrews are also designed with an aggressive double-lead thread for faster installation. Like the standard Metal2Wood ClipScrew, UltraLo ClipScrews are electroplated for exceptional lubricity, wear resistance, and excellent durability.



Size	Head	Carton Qty	Weight/M
10 x 1-1/8"	#2 Phillips Square Wafer	5000	6.776
10 x 2"	#2 Phillips Square Wafer	2500	9.268
10 x 3"	#2 Phillips Square Wafer	2000	6.141

Point Diameter	Major Diameter	Minor Diameter	Head Diameter
35° Sharp	.197 / .205	.128 / .136	.423 / .443

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
35° Sharp	1612 LBS	61 IN-LBS	1272 LBS

### PULL OUT STRENGTH (LBS ULT)

SUBSTRATES										
Plywood			OSB	Southern Pine		Spruce Pine Fir		Hemlock Fir		
3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	1"	1-1/2"	
740	388	401	252	765	1269	583	1039	739	1170	

### PULL OVER STRENGTH (LBS ULT)

MATERIAL				
Designation	AZ55 Galvalume			
Nom. Gauge	29	26	24	22
Thickness	.015	.019	.024	.032
UltraLo	626	-	-	-

# QuikDrill Metal2Metal ClipScrews

Marco QuikDrill screws are designed to attach standing-seam roof clips to steel purlins or frames. The special low-profile design features pancake heads and a deep thread that pulls the fastener tighter and resists pullouts better. As a result, you won't get the dimpled roof panels and loose panel problems typically caused by regular profile heads that don't fasten tight. Like all Marco ClipScrews, our QuikDrill Metal2Metal ClipScrews come standard with 8-micron electroplating for exceptional lubricity, wear resistance, and excellent durability.



Size	Head	Carton Qty	Weight/M
10 x 1"	#2 Phillips Square Pancake	5000	6.776
10 x 1-1/2"	#2 Phillips Square Pancake	2500	9.268
12 x 1"	#2 Phillips Square Pancake	2000	7.996

Point Diameter	Drill Point	Major Diameter	Minor Diameter	Head Diameter
#10	#3	.194 / .188	.133 / .126	.447 / .423
#12	#3	.215 / .209	.164 / .157	.447 / .423

Point Diameter	Nominal Tensile	Minimum Torsional	Nominal Shear
#10	1825 LBS	56 LBS	1535 LBS
#12	2900 LBS	92 IN-LBS	2050 LBS

## PULL OUT STRENGTH (LBS ULT)

MATERIAL				
Designation	HRS Primed Only			
Nom. Gauge	12	14	16	
Thickness	.105	.075	.060	
#10	1782	1072	782	
#12	1539	1010	724	

Trust The Entire Marco Roof Clip System: Snap-Lock Clips | Fixed Clips  
Slider Assemblies | Bearing Plates | Hidden Hangers | ClipScrews



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