

METAL-TO-WOOD FASTENERS

# QUIKGRIP™

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



Value through the Roof.

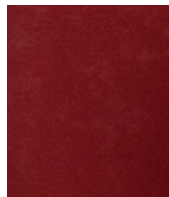
# Proven Performance. Huge Selection. Marco Quality.

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

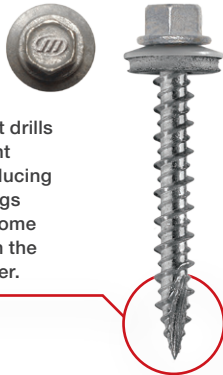
Sealants

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)

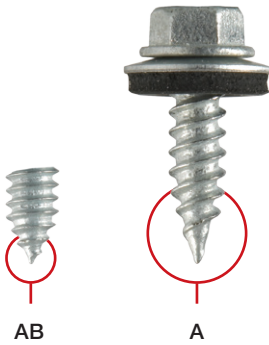
SUBSTRATES										
Plywood			OSB	Southern Pine		Spruce Pine Fir		Oak	Hemlock Fir	
3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	1"	1"	1-1/2"
858	420	436	300	832	1620	774	1387	-	1014	1579

## 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)

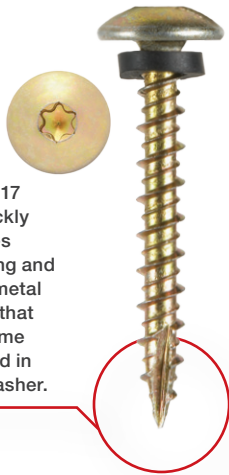
	SUBSTRATES										
	Plywood			OSB	Yellow Pine		Hemlock	Spruce	HRS Prime Only		
	3/4"	5/8"	1/2"	7/16"	1"	1-1/2"	1"	1-1/2"	16/.065	14/.070	12/.106
#14	858	534	356	325	765	1269	739	1234	1102	1561	2229
#17	-	-	-	-	-	-	-	-	1185	2248	3595

### PULL OVER STRENGTH (LBS ULT)

Designation	MATERIAL				
	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

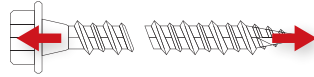
### PULL OUT STRENGTH (LBS ULT)

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	

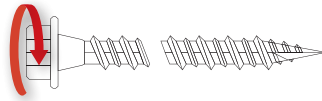
### PULL OVER STRENGTH (LBS ULT)

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

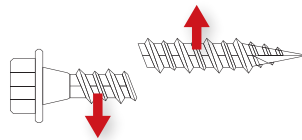
# Fastener Terms



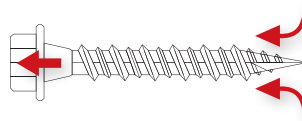
**Tension Strength:** The point at which a fastener fails under a load exerted in two direct and opposite directions. Fastener tension is created when a fastener elongates during tightening, producing the clamp load that prevents movement between joint members. Such movement is arguably the most common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



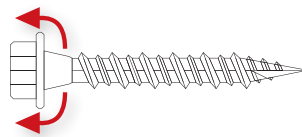
**Torsion Strength:** With Torsion testing, we are able to simulate real life service conditions, check product quality, and ensure proper manufacturing techniques. Torsion tests are performed by applying rotational forces or by applying both compression and rotational forces. Types of torsion testing 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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