

# PERFORMANCE DATA SHEET

## DIMENSIONAL DATA

AVAILABLE LENGTHS:	1", 1½", 2", 2½", ¾" STITCH
PT. TYPE & DIAMETER:	20° SHARP POINT
MAJOR DIAMETER:	.209 / .215
MINOR DIAMETER:	.127 / .133
HEAD:	1/4" HWH
HEAD ACROSS FLAT:	.246 / .249

## WASHER DATA

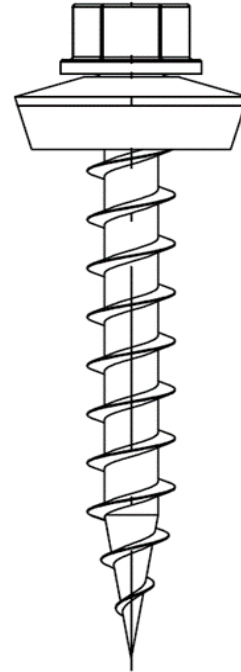
INSIDE DIAMETER	OUTSIDE DIAMETER	THICKNESS
.220"	.500"	1.5 mm EPDM

## PLATTING & PAINT

PLATTING TYPE:	0.5 MIL ZINC
PAINT:	HEAT CURED ALLOY COATING

## STRENGTH CHARACTERISTICS

NOM. TENSILE	1751 LBS
MIN. TORSIONAL	60 IN-LBS
NOM. SHEAR	1223 LBS



*\*Drawing not to scale.*

## PULL OUT STRENGTH

SUBSTRATE	PLYWOOD			OSB	SOUTHERN PINE		SPRUCE PINE FIR	
	3/4"	5/8"	1/2"		1"	1 ½"	1"	1 ½"
	587	446	384	280	-	-	583	1029

## PULL OVER STRENGTHS (LBS ULT)

	MATERIAL		
DESIGNATION	AZ55 GALVALUME		
NOM. GAUGE	29	26	24
THICKNESS	0.015	0.019	0.024
	577	637	800

*\*\*For proper application, the use of impact drivers are not recommended on Marco paint coated fasteners.*

*\*\*\*The strength characteristics provided on this sheet are to be used as guidelines only. All strength values are shown in ultimate values and are expressed in pounds. Consideration of safety must be applied by the user to obtain allowable design limits.*

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DATE:	REVISED	REVISION	ENGR. CHG.	NO.

**#12 ULTRA PRO 20  
METAL2WOOD**