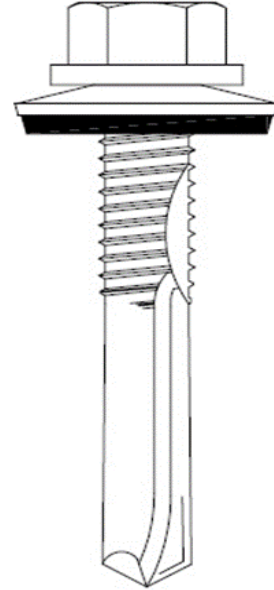


# PERFORMANCE DATA SHEET

## DIMENSIONAL DATA

AVAILABLE LENGTHS:	1 ¼"
POINT DIAMETER:	.198 nom.
DRILL CAPACITY:	.075 - .500"
MAJOR DIAMETER:	.210 / .216
MINOR DIAMETER:	.181 / .186
HEAD:	HWH
HEAD ACROSS FLAT:	.305 / .308



\*Drawing not to scale.

## WASHER DATA

Inside Diameter:	Outside Diameter:
0.240	0.593
WASHER THICKNESS:	1.5 mm

## PLATTING & PAINT

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

## STRENGTH CHARACTERISTICS

NOM. TENSILE	3450 LBS
MIN. TORSIONAL	100 IN-LBS
NOM. SHEAR	2420 LBS

## PULL OUT STRENGTH

DESIGNATION	HRS PRIMED ONLY			G-90 GALVANIZED				
	16	14	12	22	18	16	14	12
NOM. GUAGE	16	14	12	22	18	16	14	12
THICKNESS	0.065	0.07	0.106	0.031	0.047	0.06	0.072	0.101
	665	901	1524	-	-	-	-	-

## PULL OVER STRENGTH

### AZ55 GALVINIZED

NOM. GUAGE	26	24	22	20
	THICKNESS	0.019	0.024	0.032
	654	1056	1249	-

\*\*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.

4150 S 100TH E AVE  
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TULSA, OK 74146

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FAX: 918-622-4636



DATE:	REVISED	REVISION	ENGR. CHG.	NO.

**#12 x 1 1/4" Ultra Pro 20 HD  
Metal2Metal Bonded Washer**