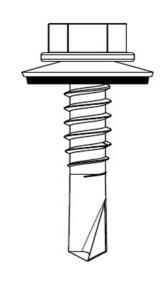
## **PERFORMANCE DATA SHEET**

DIMENSIONAL DATA							
AVAILABLE LENGTHS:	1", 1 ¼", 1 ½", 2", 2½", 3"						
POINT DIAMETER:	.176 nom.						
DRILL CAPACITY:	.035210"						
MAJOR DIAMETER:	.209 / .215						
MINOR DIAMETER:	.157 / .164						
HEAD:	5/16" HWH						
HEAD ACROSS FLAT:	.305 / .308						
WASHER DATA							
Inside Diameter:	Outside Diameter:						
0.240	0.593						
WASHER THICKNESS:	1.5 mm						
PLAT	TTING & PAINT						
PLATTING TYPE:	0.5 Mil Zinc						
PAINT:	HEAT CURED ALLOY COATING						
STRENGTH CHARACTERISTICS							
NOM. TENSILE	2900 LBS						
MIN. TORSIONAL	92 IN-LBS						
NOM. SHEAR	2050						
	PULL OUT STRENGTI						



\*Drawing not to scale.

DESIGNATION	HRS PRIMED ONLY		G-90 GALVANIZED					
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								

0.038

## **AZ55 GALVINIZED** 26 24 22 20

0.032

1249

0.024

1056

NOM. GUAGE

**THICKNESS** 

0.019

654

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

SUITE 3	4150 S 100TH E AVE SUITE 310 TULSA, OK 74146		PH: 800-800-8590 FAX: 918-622-4636		Value through the Roof.
DATE:	REVISED	REVISION	ENGR. CHG.	NO.	#12 ULTRA PRO 20 Metal2Metal
					(Bonded Washer)

<sup>\*\*\*</sup>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.