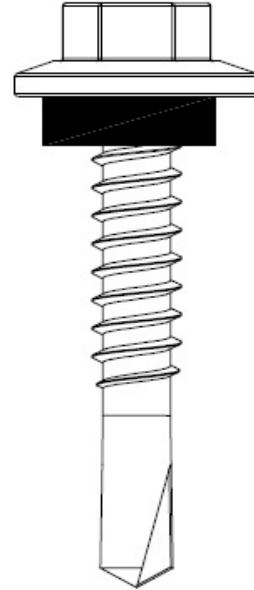


PERFORMANCE DATA SHEET

DIMENSIONAL DATA

AVAILABLE LENGTHS:	1", 1¼", 1½", 2"
POINT DIAMETER:	.176 nom.
DRILL CAPACITY:	.035 - .210"
MAJOR DIAMETER:	.209/ .215
MINOR DIAMETER:	.157 / .164
HEAD:	5/16" CHWH
HEAD ACROSS FLAT:	.305 / .308



**Drawing not to scale.*

WASHER DATA

Inside Diameter:	Outside Diameter:
0.238	0.410
WASHER THICKNESS: 1.5 mm	

PLATTING & 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 LBS

PULL OUT STRENGTH

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

PULL OVER STRENGTH

AZ55 GALVINIZED

NOM. GUAGE	26	24	22	20
	THICKNESS	0.019	0.024	0.032
	692	1102	1298	-

***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 Metal2Metal (Cupped Washer Head)