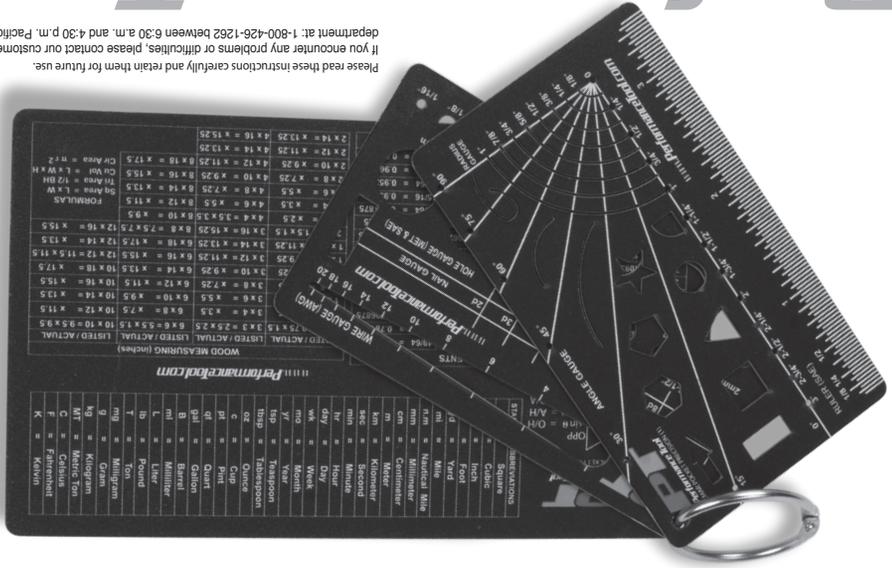


Please read these instructions carefully and retain them for future use.  
If you encounter any problems or difficulties, please contact our customer service department at: 1-800-426-1262 between 6:30 a.m. and 4:30 p.m. Pacific time.



## INFORMATION SHEET

Item Number W485

# POCKET PRECISION REFERENCE CARDS

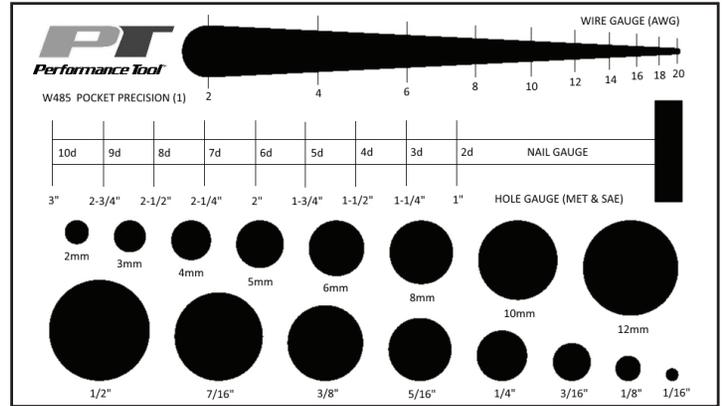
- 3 Pack of small quick reference cards - 2 credit card sized cards and 1 larger card
- Unique design allows users to carry cards in a wallet, pocket or hang with bonus convenient split key ring
- Made of durable plastic with protective coating to prevent text from scratching off



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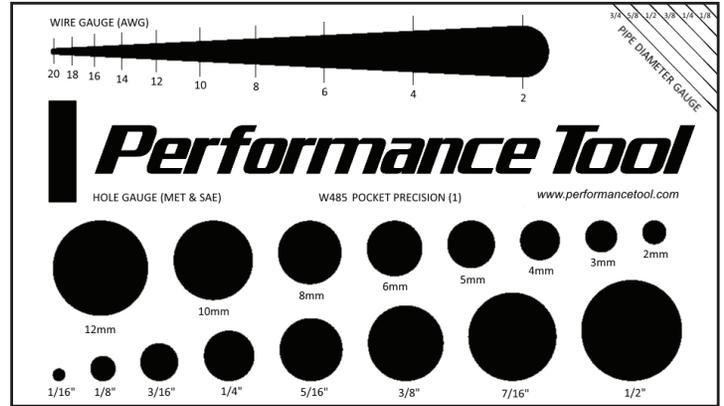
## MEASURING CARD (FRONT)

- AWG Wire Gauge (sizes 20 – 2)
- Nail Gauge (sizes 2d - 10d)
- SAE Hole Gauge (sizes 1/16 - 1/2 in.)
- MET Hole Gauge (sizes 2 - 12 mm)



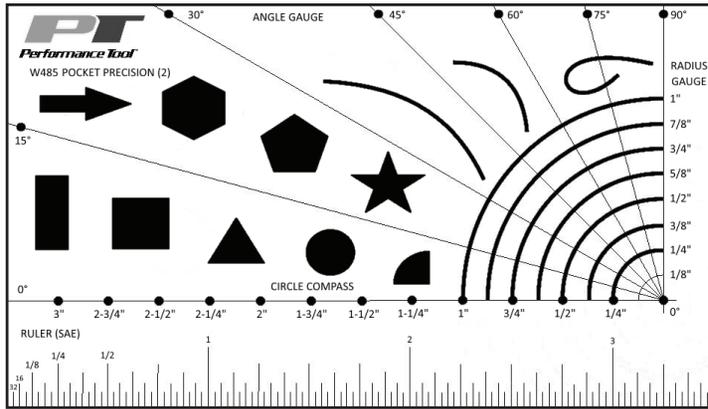
## MEASURING CARD (BACK)

- Pipe Diameter Gauge (1/8 - 3/4 in.)



## DRAFTING CARD (FRONT)

- SAE Ruler (3-1/2 in.)
- Angle Gauge (0° - 90° in 15° increments)
- Radius Gauge (1/2 - 1 in.)
- Compass (0 - 3 in. Radius)
- 3 Drafting Curves
- 9 Drafting Shapes



## CONVERSION CARD (FRONT)

- (3) Angle Formulas
- (37) Standard Abbreviations
- (64) Fraction to Decimal Equivalents
- (51) Wood Measuring Sizes
- (4) Geometric Formulas

**PT Performance Tool**  
W485 POCKET PRECISION (3)

**STANDARD ABBREVIATIONS**

sq	=	Square	cu	=	Cubic	in	=	Inch	ft	=	Foot	yd	=	Yard	mi	=	Mile	n.m.	=	Nautical Mile	mm	=	Millimeter	cm	=	Centimeter	m	=	Meter	km	=	Kilometer	sec	=	Second	min	=	Minute	hr	=	Hour	day	=	Day	wk	=	Week	mo	=	Month	yr	=	Year	tbsp	=	Teaspoon	tsp	=	Tablespoon	oz	=	Ounce	c	=	Cup	pt	=	Pint	qt	=	Quart	gal	=	Gallon	B	=	Barrel	mL	=	Milliliter	L	=	Liter	lb	=	Pound	T	=	Ton	mg	=	Milligram	g	=	Gram	kg	=	Kilogram	MT	=	Metric Ton	°C	=	Celsius	°F	=	Fahrenheit	°K	=	Kelvin
----	---	--------	----	---	-------	----	---	------	----	---	------	----	---	------	----	---	------	------	---	---------------	----	---	------------	----	---	------------	---	---	-------	----	---	-----------	-----	---	--------	-----	---	--------	----	---	------	-----	---	-----	----	---	------	----	---	-------	----	---	------	------	---	----------	-----	---	------------	----	---	-------	---	---	-----	----	---	------	----	---	-------	-----	---	--------	---	---	--------	----	---	------------	---	---	-------	----	---	-------	---	---	-----	----	---	-----------	---	---	------	----	---	----------	----	---	------------	----	---	---------	----	---	------------	----	---	--------

**ANGLE FORMULAS**

HYP OPP  
ADJ sinθ = O/H  
cosθ = A/H  
tanθ = O/A

**FRACTION TO DECIMAL EQUIVALENTS**

1/64 = 0.015625	17/64 = 0.265625	33/64 = 0.515625	49/64 = 0.765625
1/32 = 0.03125	9/32 = 0.28125	17/32 = 0.53125	25/32 = 0.78125
3/64 = 0.046875	19/64 = 0.296875	35/64 = 0.546875	51/64 = 0.796875
1/16 = 0.0625	5/16 = 0.3125	9/16 = 0.5625	13/16 = 0.8125
5/64 = 0.078125	21/64 = 0.328125	37/64 = 0.578125	53/64 = 0.828125
3/32 = 0.09375	11/32 = 0.34375	19/32 = 0.59375	27/32 = 0.84375
7/64 = 0.109375	23/64 = 0.359375	39/64 = 0.609375	55/64 = 0.859375
1/8 = 0.125	3/8 = 0.375	5/8 = 0.625	7/8 = 0.875
9/64 = 0.140625	25/64 = 0.390625	41/64 = 0.640625	57/64 = 0.890625
5/32 = 0.15625	13/32 = 0.40625	21/32 = 0.65625	29/32 = 0.90625
11/64 = 0.171875	27/64 = 0.421875	43/64 = 0.671875	59/64 = 0.921875
3/16 = 0.1875	7/16 = 0.4375	11/16 = 0.6875	15/16 = 0.9375
13/64 = 0.203125	29/64 = 0.453125	45/64 = 0.703125	61/64 = 0.953125
7/32 = 0.21875	15/32 = 0.46875	23/32 = 0.71875	31/32 = 0.96875
15/64 = 0.234375	31/64 = 0.484375	47/64 = 0.734375	63/64 = 0.984375
1/4 = 0.25	1/2 = 0.5	3/4 = 0.75	1 = 1

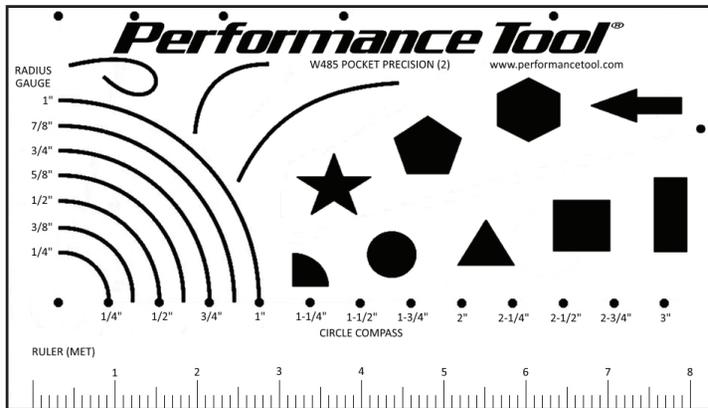
**WOOD MEASURING (inches)**

LISTED / ACTUAL	LISTED / ACTUAL	LISTED / ACTUAL	LISTED / ACTUAL
1 x 2 = 0.75 x 1.5	3 x 3 = 2.5 x 2.5	6 x 6 = 5.5 x 5.5	10 x 10 = 9.5 x 9.5
1 x 3 = x 2.5	3 x 4 = x 3.5	6 x 8 = x 7.5	10 x 12 = x 11.5
1 x 4 = x 3.5	3 x 6 = x 5.5	6 x 10 = x 9.5	10 x 14 = x 13.5
1 x 6 = x 5.5	3 x 8 = x 7.25	6 x 12 = x 11.5	10 x 16 = x 15.5
1 x 8 = x 7.25	3 x 10 = x 9.25	6 x 14 = x 13.5	10 x 18 = x 17.5
1 x 10 = x 9.25	3 x 12 = x 11.25	6 x 16 = x 15.5	12 x 12 = 11.5 x 11.5
1 x 12 = x 11.25	3 x 14 = x 13.25	6 x 18 = x 17.5	12 x 14 = x 13.5
2 x 2 = 1.5 x 1.5	3 x 16 = x 15.25	8 x 8 = 7.5 x 7.5	12 x 16 = x 15.5
2 x 3 = x 2.5	4 x 4 = 3.5 x 3.5	8 x 10 = x 9.5	FORMULAS Sq Area = L x W Tri Area = 1/2BH Cu Vol = L x W x H
2 x 4 = x 3.5	4 x 6 = x 5.5	8 x 12 = x 11.5	
2 x 6 = x 5.5	4 x 8 = x 7.25	8 x 14 = x 13.5	
2 x 8 = x 7.25	4 x 10 = x 9.25	8 x 16 = x 15.5	
2 x 10 = x 9.25	4 x 12 = x 11.25	8 x 18 = x 17.5	
2 x 12 = x 11.25	4 x 14 = x 13.25		
2 x 14 = x 13.25	4 x 16 = x 15.25		

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## DRAFTING CARD (BACK)

- MET Ruler (8 cm)



## CONVERSION CARD (BACK)

- Compass Rose
- (19) Electrical Abbreviations
- (10) Roman Numerals
- (3) Speed
- (9) Time
- (10) Fluid
- (4) Volume
- (3) Temperature
- (3) Power
- (3) Torque
- (7) Weight
- (6) Area

**Performance Tool**  
W485 POCKET PRECISION (3)

**ELECTRICAL ABBREVIATIONS**

SYM	DEF	USE
Ω	Ohm	= Resistance
V	Volt	= Voltage
A	Amperes	= Current
Ah	Ampere-hour	= Charge
Hz	Hertz	= Frequency
W	Watt	= Power
kW	Kilowatt	= Power
hp	Horsepower	= Power
J	Joule	= Power
kWh	Kilowatt-hour	= Energy
AC	Alternating Current	= Wiring
DC	Direct Current	= Wiring
C/B	Circuit Breaker	= Wiring
F	Fuse	= Wiring
GND	Ground	= Wiring
PNL	Panel	= Wiring
PWR	Power	= Wiring
SW	Switch	= Wiring
dB	Decibel	= Sound

**TEMPERATURE**

°K - 273.15 = 1° C = 5/9 x (°F - 32)  
°K - 256.93 = 1° F = (9/5 x °C) + 32  
°F + 457.87 = 1° K = °C + 273.15

**DISTANCE**

1 in	=	1 in	=	2.54 cm
12 in	=	1 ft	=	30.48 cm
3 ft	=	1 yd	=	0.9144 m
5280 ft	=	1 mi	=	1.609 km
115078 mi	=	1 n.m.	=	1.852 km
1 mm	=	1 mm	=	0.03937 in
10 mm	=	1 cm	=	0.3937 in
100 cm	=	1 m	=	39.37 in
1,000 m	=	1 km	=	0.62137 mi

**TIME**

1 sec	=	1 sec
1 min	=	60 sec
1 hr	=	60 min
1 day	=	24 hr
1 wk	=	7 day
1 mo	=	4.345 wk
1 yr	=	12 mo
1 Dec	=	10 yr
1 Cent	=	100 yr

**ROMAN NUMERALS**

1 = I	2 = II	3 = III	4 = IV	5 = V
6 = VI	7 = VII	8 = VIII	9 = IX	10 = X

**POWER**

0.001kW = 1 W	=	0.00134 hp
1000 W = 1 kW	=	1.341 hp
746 W = 1 hp	=	0.7457 kW

**WEIGHT**

0.001 g	=	1 mg	=	0.000035 oz
1,000 mg	=	1 g	=	0.035274 oz
1,000 g	=	1 kg	=	2.20462 lb
1,000 kg	=	1 MT	=	1.10231 T
0.0625 lb	=	1 oz	=	28.3495 g
16 oz	=	1 lb	=	0.45359 kg
2,000 lb	=	1 T	=	907.185 kg

**FLUID**

0.167 oz	=	1 tsp	=	4.929 mL
3 tsp	=	1 tbsp	=	14.787 mL
2 tbsp	=	1 oz	=	29.574 mL
8 oz	=	1 c	=	240 mL
2 c	=	1 pt	=	0.4732 L
2 pt	=	1 qt	=	1.05669 L
4 qt	=	1 gal	=	3.78541 L
31.5 gal	=	1 B	=	119.2405 L
0.202 tsp	=	1 mL	=	0.0338 oz
1,000 mL	=	1 L	=	33.8 oz

**TORQUE**

0.0833 ft-lb	=	1 in-lb	=	0.11298 Nm
12 in-lb	=	1 ft-lb	=	1.3558 Nm
8.8507 in-lb	=	1 Nm	=	0.73756 ft-lb

**AREA**

144 sq-in	=	1 sq-ft	=	0.0929 sq-m
9 sq-ft	=	1 sq-yd	=	0.8361 sq-m
10,000 sq-cm	=	1 sq-m	=	1.196 sq-yd
640 acres	=	1 sq-mi	=	2.589 sq-km
247.105 acres	=	1 sq-km	=	0.386 sq-mi
0.00156 sq-mi	=	1 acre	=	0.00405 sq-km

**VOLUME**

0.000578 cu-ft	=	1 cu-in	=	16.3871 cu-cm
1.728 cu-in	=	1 cu-ft	=	0.02832 cu-m
27 cu-ft	=	1 cu-yd	=	0.76455 cu-m
35.3147 cu-ft	=	1 cu-m	=	1.30795 cu-yd