

Quick-Check "Red" Tension Meter

The Quick-Check is quicker and easier to use than any measurement alternative in use today. It shows wire tension measurement directly on its display, without separate lookup tables. Its biggest feature is its speed, clamping onto cable for measurement in under three seconds! The Quick-Check can accommodate wire rope diameters up to 1 inch. New to the Quick-Check Red: Backlight, carry case, onboard storage, up to 20 wire rope calibrations and RS-232 port.

Ordering a Quick-Check is easy:

1. Select Quick-Check maximum capacity
2. Select desired sheaves
3. Select calibrations

1. Select capacity (select one):		
Part Number	Capacity & resolution	List Price
AWT05-508112	2,000 x 2 lbf / 1,000 x 1 kgf/ 10,000 x 10 N	\$2,355
AWT05-508111	10,000 x 10 lbf / 4,500 x 5 kgf/ 45,000 x 50 N	\$2,465
AWT05-508251	10,000 lb supplied pre-calibrated with tower calibrations (see reverse side for calibrations included)	\$4,100

Quick-Check includes first set of sheaves. Must specify sheave size.

2. Select sheave select at least one sheave set (set includes three sheaves with bearings):			
Part Number	Sheave Code	Accommodates wire diameters (min - max)	List Price
36309-0085	L	3/16" - 1/4" 4.75 mm - 6.5 mm	\$235
36309-0044	P	3/16" - 1/2" 4.75 mm - 12.7 mm	\$235
36309-0010	S	1/4" - 3/4" 6.5 mm - 19 mm	\$235
36309-0101	T	1/2" - 1" 12.7 mm - 25.4 mm	\$235

See notes on next page for helpful information on selecting sheave size for a wire range. Other sizes are available if required.

3. Select calibrations (select at least one):	
First wire calibration is included with each Quick-Check. Additional calibrations available – up to 20 total per instrument. Indicate what wire size(s) and type(s) to calibrate: (see next page for calibration slings information).	
Description	List Price
First wire calibration	No charge
2nd-5th Calibrations at Time of Order (when ordering 2-5 additional calibrations)	\$115 ea.
2nd-10th Calibrations at Time of Order (when ordering 6-10 additional calibrations)	\$100 ea.
2nd-20th Calibrations at Time of Order (when ordering 11-20 additional calibrations)	\$85 ea.

4. Select cable gauge (optional)		
Part Number	Description	List Price
AWT20-508267	Dillon Cable Gauge (for reference only)	\$25

1/16" to 1.0" / 8 mm to 19 mm



<i>Example:</i> Order a Quick-Check that will be used to tensions up to 7000 lbf that will be used with 5/8" 1x19, 1/2" 1x7 and 3/8" 1x7 wire.		
Part Number	Description	List Price
AWT05-508111	10,000 lbf Quick-Check	\$2,465
36309-0010	Sheave code "S" (1/4" - 3/4")	No charge
First calibration	5/8" 1x19 wire	No charge
Second calibration	1/2" 1x7 wire	\$115 ea.
Third calibration	3/8" 1x7 wire	\$115 ea.
Total:		\$2,625

Accessories for Quick-Check

Part Number	Model	List Price
*36057-0022MTS	Cable, computer serial with 9-pin D connector, 12-ft (3.6 m)	
AWT25-501123	Power supply, 100-240 VAC to 5V	
AWT25-501124	Power supply, 100-240 VAC/5V to RS-232	
AWT05-505714	9-pin RS-232 to USB converter	

*Refer to EDXtreme Dynamometer price sheet for price and discount.

Quick-Check Notes

What size sheaves should be purchased?

It makes sense to take advantage of the range for the sheaves. Most customers can make do with one set of sheaves for the entire assortment of wires they tension by installing the sheave set that matches the largest diameter cable being used. If a customer checks tension in both 3/4" and 3/16" rope, then they should order two sheave sets, sheave code "L" & "S". The operator must use the appropriate sheave set for the wire size and calibration stored. Changing sheave sets takes about two minutes with included wrench.

Popular wire rope calibration slings on hand:

If the desired wire size/type does not appear the customer may supply 15 feet of wire for a custom calibration sling and including technical data sheet. Extra charges may apply. Consult factory for details. Not all supplied cable samples will work.

The chart below is a sample listing of calibration wire slings. Dillon's full listing of available calibration slings can be found on the Quick-Check product page on the www.dillon-force.com website. This chart is updated regularly.

Sample Wire Chart		Galvanized/Steel Wire Construction					
Wire size	Default load*	1 x 7	1 x 19	6 x 19	7 x 19	8 x 19	
2K	3/16"	1000 lbf	Strand	Strand	IWRC	IWRC	
	1/4"	2000 lbf	Strand	Strand	IWRC	IWRC	
	9/32"	2000 lbf			IWRC		
	5/16"	3000 lbf	Strand		IWRC	IWRC	
10K	3/8"	3500 lbf	Strand		IWRC	IWRC	
	7/16"	4000 lbf	Strand		IWRC		
	1/2"	5000 lbf	Strand	Strand	IWRC	IWRC	FC
	9/16"	6000 lbf	Strand	Strand	IWRC		FC
	5/8"	7000 lbf	Strand	Strand	IWRC	IWRC	FC
	3/4"	8000 lbf		Strand	IWRC	IWRC	
	13/16"	8000 lbf		Strand			
	7/8"	9000 lbf		Strand	IWRC		
	1"	10,000 lbf		Strand	IWRC		

*or maximum capacity of Quick-Check / whichever is lower
Dillon recommends 5/16 and below for 2K calibrations.

Electric Conductors

Name	Size	Dia.	Type	Sheathing	Max Load
Sparrow	2 AWG	0.316	ACSR	No	1710 lbf
Raven	1/0	0.398	ACSR	No	2628 lbf
Penguin	4/0	0.563	ACSR	No	3636 lbf
Chickadee	397.5	0.743	ACSR	No	3636 lbf
Petunia	750	0.997	AAC	No	3636 lbf
Drake	795	0.795	ACSR	No	3636 lbf

Individual Applications

Wire Size	Description	Default Load
1/2"	6 x 26 wire core	5000 lbf
3/4"	3 x 7 pre-stretched safety	8000 lbf
5 mm	1 x 7 stainless steel	1000 lbf

*Cable calibrations included with p/n AWT05-508251. Sheave sets include P & T (see front page).

Wire Size			Sheave Code
	1 x 7	1 x 19	
3/16"	Y		P
1/4"	Y		P
5/16"	Y		P
3/8"	Y		P
7/16"	Y		P
1/2"	Y	Y	P
9/16"	Y	Y	T
5/8"	Y	Y	T
11/16"		Y	T
3/4"		Y	T
13/16"		Y	T
7/8"		Y	T
1"		Y	T