

Quick-Check 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.

Ordering a Quick-Check is easy:

1. Select Quick-Check maximum capacity
2. Select desired sheaves
3. Select calibrations
4. Select carry case if desired

1. Select capacity (select one):		
Part Number	Capacity & resolution	List Price
36289-0022	2,000 x 2 lbf / 1,000 x 1 kgf/ 10,000 x 10 N	\$1,795
36289-0014	10,000 x 10 lbf / 4,500 x 5 kgf/ 45,000 x 50 N	\$1,895
<i>Quick-Check includes first set of sheaves. Must specify sheave size.</i>		

2. Select sheave (select at least one set of three, with bearings):			
Part Number	Sheave Code	Accommodates wire diameters (min - max)	List Price
36309-0085	L	3/16" - 1/4"	\$210
36309-0044	P	3/16" - 1/2"	\$210
36309-0010	S	1/4" - 3/4"	\$210
36309-0101	T	1/2" - 1"	\$210
<i>See notes on next page for helpful information on selecting sheave size for a wire range.</i>			
<i>Other sizes are available if required.</i>			

3. Select calibrations (select at least one):	
First wire calibration is included with each Quick-Check. Additional calibrations available – up to 15 total per instrument. Indicate what wire size(s) and type(s) to calibrate: (See next page for calibration slings on hand).	
Description	List Price
First wire calibration	No charge
Calibrations 2-5 at Time of Order	\$95 ea.
Calibrations 2-10 at Time of Order	\$80 ea.
Calibrations 2-15 at Time of Order	\$67 ea.

4. Select carry case (if desired)		
Medium-duty. Die-cut high density foam protection. 28 x 16 x 8 inch (70 x 41 x 20 cm)		
Part Number	Description	List Price
36328-0017	Carry case for Quick-Check	\$185

<i>Example: 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. No carry case.</i>		
Part Number	Description	List Price
36289-0014	10,000 lbf Quick-Check	\$1,895
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	\$95 ea.
Third calibration	3/8" 1x7 wire	\$95 ea.
Total:		\$2,085

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 10 feet of wire for a custom calibration sling. Extra charges may apply. Consult factory for details

Dillon's listing of the available wire slings can be found on the Quick-Check product page on the dillonforce.com website.

Popular Stranded Wire		Wire Type					
Wire size	Default load*	1 x 7 EHS	1 x 19 EHS	6 x 19 Fiber Core	6 x 19 IWRC Wire Core	7 x 19 Wire Core	8 x 19 Fiber Core
3/16"	1000 lbf	Y	Y	Y		Y	
1/4"	2000 lbf	Y	Y	Y	Y	Y	
5/16"	3000 lbf	Y		Y		Y	
3/8"	3500 lbf	Y	Y	Y	Y	Y	
7/16"	4000 lbf	Y		Y			
1/2"	5000 lbf	Y	Y	Y		Y	Y
9/16"	6000 lbf	Y	Y	Y			
5/8"	7000 lbf	Y	Y	Y	Y		Y
3/4"	8000 lbf		Y	Y	Y		
7/8"	9000 lbf		Y	Y			
1"	10,000 lbf		Y	Y			

**or maximum capacity of Quick-Check / whichever is lower*

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