

# Exacta<sup>®</sup> 2



**Accurate.  
Versatile.  
Digital.  
Durable.**

*This is the one you've  
been waiting for!*

**Exacta<sup>®</sup> 2** is the latest addition to the S/R lineup of accurate, versatile and durable tools for assembly and torque auditing! The **Exacta<sup>®</sup> 2** has an extraordinary combination of features that provide an array of benefits for operations large and small!

### ***Large, Bright Display***

The instruction to Engineering was simple: "The display must be legible at arm's length, even in shadow." This emulates the conditions found in many manufacturing applications where the lighting is less than ideal. As a result, **Exacta<sup>®</sup> 2** has a large, high-contrast LCD to display the torque and other critical information. You can read it readily in shadow!

### **Three Modes of Operation - Track, Peak and Residual**

Assembly and auditing are both accommodated with these three modes! The residual mode improves torque audit consistency for most hard and many medium joints.

### **Extremely Accurate**

**Exacta<sup>®</sup> 2** is accurate to +/- 1% of Indicated Value from 20% to 100% of rated capacity in Track and Peak modes. The Residual mode assists the user in determining retained torque on a joint. The actual accuracy percentage is contingent upon joint condition and user technique.

### **Programmable Limits With Visual Notification**

Want a visual guide and an audible prompt when you've reached the torque specification? Want a visual guide on your progress as you use the tool? **Exacta<sup>®</sup> 2** has both!



**Sturtevant  
Richmont<sup>®</sup>**  
Torque Measurement Systems

**Exacta® 2** has a Yellow/Green/Red illumination system to guide you as you use the wrench. The display and a raised lens on the back of the wrench both illuminate when each significant torque value is reached. An LED provides a Yellow/Orange light as you approach the minimum torque specification. The light turns Green when you reach the minimum torque, and remains green until you either stop pulling on the wrench or the maximum torque specification is attained. If you overtorque, it turns bright Red to let you know. Just pull to Green!

### **Audible Prompts**

Supplementing the visual information are audible prompts from a beeper. You'll always know when the torque is right!

### **Serial Computer Communications**

**Exacta® 2** comes with a serial cable for communication with a PC, and can download readings as they are taken, or in a batch mode! The readings can be saved as a text file and imported by almost any statistical or spreadsheet software. This is an invaluable aid when performing process design and process analysis!

### **Exawin Software**

We have developed software for programming **Exacta® 2** from a PC. The Exawin software permits downloading maximum and minimum torque limits, units of measure and other key operating functions directly from a PC. It does so with ease and simplicity! Exawin is available for immediate download from our website. Details are included for warranty registration and software download with each tool. Take advantage of this software and the capabilities it affords!

### **Front Panel Programming via Four Keyswitches**

Four keyswitches on the front of the **Exacta® 2** electronics module permit programming and operation of all key functions. Whether accessing the memory, setting the units of measure, printing/downloading the stored values or clearing the memory, operation is simple and easy!

### **999 Memory Locations**

Need to check the last 1 to 999 installation torques? Simply access the memory and scroll through the values! Better yet, download the entire memory via the serial port to your computer for statistical analysis and record keeping!



## Exacta® 2 Uses the S/R Interchangeable Head System

The S/R line of Interchangeable Heads provides exceptional strength and rigidity of connection through our unique dovetail connection. Virtually all of these heads are made from a single piece of alloy steel, which assures durability and strength. With over 100 heads of 1 7/16" Common Centerline Length to choose from, the versatility of your Exacta® 2 is multiplied greatly! Note: 250 and 600 foot-pound capacity tools use a fixed S/R slide pin ratchet.

## Extended Battery Life

The Exacta® 2 uses four (4) AA NiMH batteries of 2200 mAh capacity. These batteries (sold separately with 15-minute charger in NAFTA countries only) provide ample operating time between charges. Backup batteries (NAFTA countries only) are available with 2500 mAh capacity.

## Dimensional / Physical Information

Model	Lever Length	Overall Length	Weight
Exacta 2 - 25	12.5" / 317 mm	16.1" / 409 mm	2.8 lbs. / 1.27 kg
Exacta 2 - 75	15.8" / 401mm	19.4" / 493 mm	3.0 lbs. / 1.36 kg
Exacta 2 - 150	17.8" / 452 mm	21.5" / 546 mm	3.1 lbs. / 1.40 kg
Exacta 2 - 250	21.0" / 533 mm	25.2" / 640 mm	4.1 lbs. / 1.86 kg
Exacta 2 - 400	36.5" / 927.1 mm	35.9" / 911.8 mm	7.7 lbs. / 3.49 kg
Exacta 2 - 600	55.1" / 1399 mm	59.7" / 1516 mm	13.0 lbs. / 5.90 kg

## Ordering Information

Part No.	Model	Description
10530	Exacta 2 - 25	25 ft.lb, 33.8 Nm cap., 3/8" SD Int. Head inc., batteries not inc.*
10531	Exacta 2 - 75	75 ft.lb, 101.5 Nm cap., 3/8" SD Int. Head inc., batteries not inc.*
10532	Exacta 2 - 150	150 ft.lb, 203.3 Nm cap., 1/2" SD Int. Head inc., batteries not inc.*
10533	Exacta 2 - 250	250 ft.lb, 338.9 Nm cap., 1/2" Ratcheting Sq. Dr., batteries not inc.*
10534	Exacta 2 - 600	600 ft.lb, 813 Nm cap., 3/4" Ratcheting Sq. Dr., batteries not inc.*
10535	Exacta 2 - 400	400 ft.lb, 543 Nm cap., Dovetail, batteries not inc.* **
21259*	Charger & 4 AA NiMH	4 AA NiMH 2200 mAh batteries & charger, NAFTA only
21258	4 AA NiMH	Batteries 2500 mAh NiMH batteries, spare

\*\* Wrenches calibrated for use with heads having 3 7/8" Common Centerline.



## **Sturtevant Richmond**

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## Interchangeable Heads

### RATCHETING OPEN END (ROE)

1<sup>7</sup>/<sub>16</sub>" Common Centerline

Slight disengagement from the fastener allows operator to rapidly rotate wrench.



RATCHETING OPEN END (ROE)

#### RATCHETING OPEN END - ENGLISH

Part Number	Model	Hex Size	Max. Torque (in. lbs.)
819200	ROE-1/4	1/4"	60
819202	ROE-3/8	3/8"	120
819203	ROE-1/2	1/2"	180
819204	ROE-5/8	5/8"	210
819205	ROE-3/4	3/4"	240
819206	ROE-7/8	7/8"	360
819208	ROE-1	1"	600
819209	ROE-1 1/16	1 1/16"	750
819210	ROE-7/8	7/8"	900
819211	ROE-1 5/16	1 5/16"	1050
819212	ROE-1	1"	1200
819213	ROE-1 1/8	1 1/8"	1350
819214	ROE-1 1/2	1 1/2"	1500
819215	ROE-1 3/8	1 3/8"	1650

#### RATCHETING OPEN END - METRIC

Part Number	Model	Hex Size	Max. Torque (Nm)
819217	ROE-7mm	7 mm	7
819218	ROE-8mm	8 mm	10
819219	ROE-9mm	9 mm	13
819220	ROE-10mm	10 mm	13
819221	ROE-11mm	11 mm	20
819222	ROE-12mm	12 mm	23
819223	ROE-13mm	13 mm	23
819224	ROE-14mm	14 mm	27
819225	ROE-15mm	15 mm	40
819226	ROE-16mm	16 mm	40
819227	ROE-17mm	17 mm	54
819228	ROE-18mm	18 mm	54
819229	ROE-19mm	19 mm	68
819231	ROE-22mm	22 mm	101
819232	ROE-24mm	24 mm	118
819233	ROE-27mm	27 mm	152
819238	ROE-32mm	32 mm	203



RATCHETING FLARE NUT (RFN)

### RATCHETING FLARE NUT (RFN)

1<sup>7</sup>/<sub>16</sub>" Common Centerline

Single-direction ratchet for use with hydraulic or pneumatic fittings.

Part Number	Model	Hex Size	Max. Torque (Nm)
819086	RFN-10mm	10 mm	25
819087	RFN-11mm	11 mm	25

## FLARE NUT (FN)

1 7/16" Common Centerline

FLARE NUT - ENGLISH			
Part Number	Model	Hex Size	Max.Torque (in. lbs.)
819025	FN-1/4	1/4"	100
819026	FN-3/16	3/16"	150
819027	FN-3/8	3/8"	200
819028	FN-7/16	7/16"	250
819029	FN-1/2	1/2"	300
819030	FN-9/16	9/16"	350
819031	FN-5/8	5/8"	400
819032	FN-11/16	11/16"	475
819033	FN-3/4	3/4"	600
819034	FN-13/16	13/16"	700
819035	FN-7/8	7/8"	800
819036	FN-15/16	15/16"	900
819037	FN-1	1"	1000
819038	FN-1 1/16	1 1/16"	1050
819039	FN-1 1/8	1 1/8"	1100
819040	FN-1 3/16	1 3/16"	1150
819041	FN-1 1/4	1 1/4"	1200

FLARE NUT - METRIC			
Part Number	Model	Hex Size	Max.Torque (Nm)
809243	FN-8mm	8mm	16
809217	FN-9mm	9mm	19
809218	FN-10mm	10mm	22
809221	FN-11mm	11mm	28
809241	FN-12mm	12mm	30
809000	FN-12mm*	12mm	30
809219	FN-13mm	13mm	33
809220	FN-14mm	14mm	40
809001	FN-14mm*	14mm	40
809222	FN-15mm	15mm	45
809238	FN-16mm	16mm	50
809223	FN-17mm	17mm	54
809239	FN-18mm	18mm	61
809224	FN-19mm	19mm	68
809240	FN-21mm	21mm	80
809242	FN-22mm	22mm	90
809225	FN-24mm	24mm	105
809244	FN-27mm	27mm	118

\* 6 pt hex



FLARE NUT (FN)

## BOX HEAD (BH)

1 7/16" Common Centerline

BOX HEAD - ENGLISH			
Part Number	Model	Hex Size	Max.Torque (in. lbs.)
819060	BH-1/4	1/4"	250
819061	BH-3/16	3/16"	350
819062	BH-3/8	3/8"	450
819063	BH-7/16	7/16"	650
819064	BH-1/2	1/2"	850
819065	BH-9/16	9/16"	1050
819066	BH-5/8	5/8"	1250
819067	BH-11/16	11/16"	1450
819068	BH-3/4	3/4"	1800
819069	BH-13/16	13/16"	2100
819070	BH-7/8	7/8"	2400
819071	BH-15/16	15/16"	2700
819072	BH-1	1"	3000
819073	BH-1 1/16	1 1/16"	3150
819074	BH-1 1/8	1 1/8"	3300
819085	BH-1 3/16	1 3/16"	3450
819075	BH-1 1/4	1 1/4"	3600

BOX HEAD - METRIC			
Part Number	Model	Hex Size	Max.Torque (Nm)
809301	BH-7mm	7mm	28
809302	BH-8mm	8mm	39
809303	BH-9mm	9mm	50
809230	BH-10mm	10mm	50
809231	BH-11mm	11mm	73
809304	BH-12mm	12mm	96
809232	BH-13mm	13mm	96
809233	BH-14mm	14mm	119
809234	BH-15mm	15mm	141
809305	BH-16mm	16mm	141
809235	BH-17mm	17mm	163
809306	BH-18mm	18mm	163
809236	BH-19mm	19mm	203
809307	BH-21mm	21mm	237
809308	BH-22mm	22mm	271
809237	BH-24mm	24mm	305
809352	BH-27mm	27mm	355



BOX HEAD (BH)

## HEX DRIVE (HD)

1 7/16" Common Centerline

HEX DRIVE - ENGLISH			
Part Number	Model	Hex Size	Max.Torque (in. lbs.)
853030	HD-3/64	3/64"	20
819687	HD-3/32	3/32"	30
853031	HD-7/64	7/64"	40
819689	HD-1/8	1/8"	70
853032	HD-9/64	9/64"	70
819691	HD-5/32	5/32"	135
819692	HD-3/16	3/16"	235
819693	HD-7/32	7/32"	340
819694	HD-1/4	1/4"	450
819695	HD-5/16	5/16"	850
819696	HD-3/8	3/8"	850
819697	HD-7/16	7/16"	1450
819699	HD-9/16	9/16"	1450
819700	HD-5/8	5/8"	2100
819701	HD-3/4	3/4"	2400
819702	HD-7/8	7/8"	2700

HEX DRIVE - METRIC			
Part Number	Model	Hex Size	Max.Torque (Nm)
809315	HD-4mm	4mm	15
809316	HD-5mm	5mm	27
809317	HD-6mm	6mm	38
809328	HD-8mm	8mm	96
809330	HD-10mm	10mm	141
809332	HD-12mm	12mm	164
809334	HD-14mm	14mm	164
809339	HD-19mm	19mm	270



HEX DRIVE (HD)



SPECIAL TOE-IN ADJUSTMENT TOOL  
A/F 21 mm to be used with Sturtevant  
Richmont SLTC 7501 hardwired switch  
wrench developed for Volkswagen

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