



# E132 & E699-8 Air Impact Wrenches

SPEED AS THUNDER, POWER AS TRIPOD



REAL TOOLS FOR REAL WORK.

# SPEED AS THUNDER, POWER AS TRIPOD

## E132 ½" Air Impact Wrench

E132 is the new ½" air impact wrench designed by Ingersoll Rand after E131 for the vehicle service market that wants Efficient performance at Economical price. The tool provides the strong power and professional quality to get your job done while in an affordable package that won't punish your wallet. E132 has become a value choice of professional automotive mechanics.

### POWER

750 Nm of maximum reverse torque from a tool weighing only 2.4 kg – that's the best power-to-weight ratio in its class. Perfect for tackling the toughest car tire/chasis bolts.

### DURABILITY

High strength steel impact mechanism and rotor, hard anodized end plates deliver unmatched durability in the rugged applications and ensure increased power and prolonged life.

### CONTROL

Feather-touch trigger, forward/reverse knob combined with 3-position power regulator in forward, provide better maneuverability and control.

### Tool Features

Finely tuned forged twin-hammer impact mechanism delivers strong power with 750 Nm of maximum reverse torque

Hard anodized end plates increase wear resistance and durability

Powder coated silver gray aluminum housing provides a brilliant appearance

Red IR logo enhances the brand image

Feather-touch trigger enables precise control

Forward/Reverse knob combined with 3-position power regulator in forward provides maximum control

Ergonomic handle for operator comfort

Handle exhaust prevents dust on the tire blowing to the operator



### Specs

E132 ½" Air Impact Wrench								
Model	Drive Size in	Max Reverse Torque Nm	Recommended Torque Range Nm	Blows Per Minute BPM	Free Speed RPM	Sound Level dB(A)	Weight kg	Length mm
E132	½"	750	40-600	1,250	10,000	90.2	2.4	187.3



E699-8 1" Air Impact Wrench

E699-8 is the new 1" air impact wrench developed by Ingersoll Rand after E688-8 for the vehicle service market that wants Efficient performance at Economical price. The tool delivers a powerful 4,300 Nm of max reverse torque, increased by 35% from the previous generation, while providing an extended lifetime. E699-8 has become the best choice for heavy truck maintenance.

POWER	4,300 Nm of maximum reverse torque from a tool weighing only 16.9 kg – that’s the best power-to-weight ratio in its class. Perfect for quick fastening/unfastening heavy truck tire bolts.
DURABILITY	High strength steel impact mechanism and rotor with superior machining deliver unmatched durability in the rugged applications and ensure increased power and prolonged life.
CONTROL	Push trigger, forward/reverse knob combined with 3-position F/R power regulator, and side handle provide better maneuverability and control.

Tool Features

Finely tuned forged pinless single swinging-hammer impact mechanism delivers strong power with 4,300 Nm of maximum reverse torque and extended lifetime

8" Extended anvil ensures better access to tough applications

Through-hole & ring socket retainer allows easier sockets changing

Side exhaust directs exhaust air and oil away from the operator

Push Trigger enables easy operation

Side handle for safe operation

Powder coated silver gray aluminum housing provides a brilliant appearance

Red IR logo enhances the brand image

Forward/Reverse 3-position power regulator enables quick switch when changing direction and regulates torque

Specs

E699-8 1" Air Impact Wrench								
Model	Drive Size in	Max Reverse Torque Nm	Recommended Torque Range Nm	Blows Per Minute BPM	Free Speed RPM	Sound Level dB(A)	Weight kg	Length mm
E699-8*	1"	4,300	360-3,400	750	4,550	97.7	16.9	578.2

\* 4,900 Nm of Max Reverse Torque at 120 psi.

## 1/2" Impacttools

Model	Max Torque ft-lb (Nm)	Working Torque Range ft-lb (Nm)	Maximum Free Speed rpm	Weight lb (kg)	Length in (mm)	Average Air Consumption cfm (L/min)	Air Consumption @ Load cfm (L/min)	Sound Pressure / Power dBA	Air Inlet NPTF in	Min Hose Size in (mm)
<b>1/2" SQUARE DRIVE</b>										
231C	600 (813)**	25 – 350 (34 – 475)	8,000	5.8 (2.63)	7.3" (185)	4.2 (119)	22 (623)	99 / 110	1/4"	3/8" (10)
236*	450 (610)	25 – 200 (34 – 271)	7,400	5.3 (2.4)	7.1" (180.3)	4.3 (122)	24 (680)	90.3 / 101.3	1/4"	3/8" (10)
244A	500 (678)	40 – 350 (54 – 475)	7,000	6 (2.72)	7.3" (185)	5.4 (153)	21 (595)	93 / 104	1/4"	3/8" (10)
244A-2*	500 (678)	40 – 350 (54 – 475)	7,000	6.3 (2.85)	9.5" (241)	5.4 (153)	21 (595)	93 / 104	1/4"	3/8" (10)
231HA*	590 (800)**	25 – 350 (34 – 475)	8,000	5.8 (2.63)	7.3" (185)	4.2 (119)	22 (623)	94 / 105	1/4"	3/8" (10)
231HA-2	590 (800)**	25 – 350 (34 – 475)	8,000	6.1 (2.76)	9.1" (236)	4.2 (119)	22 (623)	94 / 105	1/4"	3/8" (10)

\*Not pictured.

\*\*Reverse bias.

### 231C

#### Air Impacttool

The classic 231C is the most popular tool in its class. Introduced over 25 years ago and continuously refined, it offers the sheer power and performance features to tackle the toughest jobs with ease — as well as proven durability and economy.

- Adjustable power regulator
- Pressure-fed lubrication
- Easy-to-service 2-piece construction



**The most popular  
Impacttool in the world**

### 244A

#### Air Impacttool

Bring out the "big gun" for tire-changing, shock and spring work, front-end work, and other heavy automotive and truck work. The impact mechanism pumps out 500 ft-lb of torque at a free speed of 7,000 rpm to get the job done fast.

- Powerful with smooth, balanced blows
- Pressure-fed lubrication system automatically greases the impact mechanism
- Non-biased 500 ft-lb in forward and reverse



### 231HA-2

#### Extended Anvil Air Impacttool

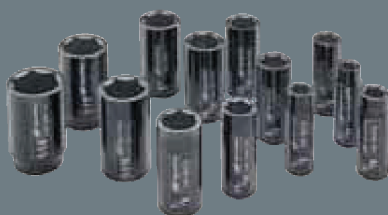
The 231HA-2 has set the standard for Impacttool performance for over three decades. Refined engineering and design have perfected performance and made the 231HA-2 one of the most popular tire service Impacttools ever. This elite mechanism is the perfect balance between superior power and proven durability.

- Pressure-fed lubrication system
- Handle exhaust directs air away from user
- Adjustable power regulation



**Top choice in tire  
service centers**

## Sockets



Genuine Ingersoll Rand Impact sockets are built with top-quality materials for performance and durability. For more information, turn to the sockets section — starting on page 17. See pages 14 – 16 for all other Impacttool accessories.

## 3/4" Impactools

Model	Max Torque ft-lb (Nm)	Working Torque Range ft-lb (Nm)	Maximum Free Speed rpm	Weight lb (kg)	Length in (mm)	Average Air Consumption cfm (L/min)	Air Consumption @ Load cfm (L/min)	Sound Pressure / Power dBA	Air Inlet NPTF in	Min Hose Size in (mm)
<b>3/4" SQUARE DRIVE</b>										
252 *	750 (1020)	100 – 500 (136 – 680)	6,500	8.6 (3.9)	9" (229)	7.5 (212)	28 (793)	92.1 / 105.1	3/8"	1/2" (13)
258	1,000 (1360)	200 – 800 (272 – 1088)	6,200	10.77 (4.89)	9.8" (249)	8 (226)	30 (835)	93.7 / 106.7	3/8"	1/2" (13)
261	1,100 (1491)	200 – 900 (272 – 1224)	5,500	12.4 (5.62)	8.8" (224)	9.5 (269)	38 (1076)	98.1 / 109.1	3/8"	1/2" (13)
261-3*	1,100 (1491)	200 – 900 (272 – 1224)	5,500	13 (5.9)	11.8" (300)	9.5 (269)	38 (1076)	98.1 / 109.1	3/8"	1/2" (13)
261-6*	1,100 (1491)	200 – 900 (272 – 1224)	5,500	13.7 (6.21)	14.8" (376)	9.5 (269)	38 (1076)	98.1 / 109.1	3/8"	1/2" (13)
2141	1,200 (1627)	200 – 900 (272 – 1224)	8,000	7 (3.2)	8.2" (208)	9.5 (269)	40 (1133)	99.9 / 110.9	3/8"	1/2" (13)
2161XP	1,250 (1695)	300 – 1,000 (407 – 1356)	6,000	11.8 (5.35)	8.5" (216)	10 (283)	46 (1303)	98 / 111	3/8"	1/2" (13)
2161XP-6*	1,250 (1695)	300 – 1,000 (407 – 1356)	6,000	13.1 (5.95)	14.5" (368)	10 (283)	46 (1303)	98 / 111	3/8"	1/2" (13)

\*Not pictured.

### 261

#### Air Impactool

The highly regarded 261 model combines compact size at only 8.8" long with high output, which makes it perfect for everything from spring work to pinion nut and track pad removal and major engine teardowns.

- Jumbo hammer mechanism
- Up to 1,100 ft-lb of torque
- Pressure-fed lube system for trouble-free performance and longer life

For optional power regulator, please order part #2920-K329.



### 258

#### Air Impactool

Delivers 1,000 ft-lb of maximum torque for work on trucks, heavy equipment, and agricultural machinery. Features an excellent power-to-weight ratio for ease of use, as well as a 3-speed power regulator for tailoring output in forward and reverse.

- Fully adjustable power in forward and reverse
- In-handle exhaust directs airflow away from the operator and the work
- 360° swivel inlet helps eliminate twisted hoses



### 2141

#### Air Impactool

The 2141 delivers the best power-to-weight ratio and best size ratio in its class. The 2141 also provides great maneuverability for tight, awkward spaces.

- 1,200 ft-lb maximum torque
- Weighs just 7 lb
- Contoured professional touch trigger and ergonomically designed handle for increased comfort



**The best power-to-weight ratio in its class**

### 2161XP

#### Air Impactool

The 2161XP combines a 6-vane, high-output air motor, through-bolt construction, ergonomic handle and housing design to create an Impactool that offers increased power and durability.

- Most powerful 3/4" Impactool in the industry
- Maximum torque of 1,250 ft-lb
- 3-position power regulator and 360° swivel inlet



## Gloves



With the Ingersoll Rand line of industry-leading work gloves, you can pair our tough tools with gloves that offer the ultimate in protection, comfort, and performance. See page 125 for more information.





*IQ<sup>V20</sup> 1/2" High Torque Impact Wrench*  
*W7152, W7152P & W7252*



**REAL TOOLS FOR REAL WORK.™**

# Next Generation Power

## Ingersoll Rand W7152 1/2" IQ<sup>V20</sup> High Torque Impact Wrench

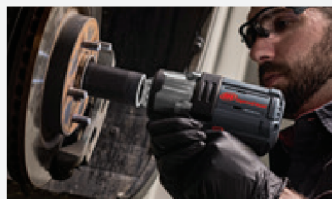
The Ingersoll Rand® W7152 is the most powerful 1/2" cordless impact wrench in its class. Built on over 100 years of power tool experience, this tool offers the power you want with the control you need.



Cradle Bolt



Tire Changing



Fleet Truck Maintenance



Industrial & MRO

### Tool Features

#### Tuned impact mechanism

2040 Nm nut-busting torque and 1360 Nm of MAX torque from a tool that measures just 207 mm from tip to tail and weighs only 3.4 kg

#### Shadowless 360° LED light ring

with task light mode and 4 dimmable settings

#### All-metal drivetrain and

hammer mechanism is robust, durable and optimized for maximum power and efficiency

#### Variable-speed switch with electronic brake

provides maximum control of the tool and increases safety—release trigger, drive stops spinning

#### Tough composite housing and patented

steel-reinforced frame protects against aggressive fluids, chemicals and repeated drops



**Powerful brushless motor** delivers durability and efficiency as well as best-in-class power-to-weight ratio

**IQ<sup>V</sup> Power Control System** includes 4 modes

MODE	HAND TIGHT	WRENCH TIGHT	HALF POWER	MAX POWER
Nm	5-14	50-150	135-920	135-1360
	1360	1360	1360	1360
BOLT SIZE	M6-M12	M10-M16	M12-M32	M16-M32
SHUT OFF	✓	✓		

\*Approximate torque values shown.

### Specs

#### IQ<sup>V20</sup> Series™ W7152, W7152P & W7252 Cordless Impact Wrenches

CCN	Model	Battery	Voltage DC	Drive Size, Type	Impacts Per Minute BPM	MAX Torque Nm	Nut-Busting Torque Nm	Tool & Battery		Vibrations		Noise level dB(A)
								Weight kg	Length mm	m/s²	K*	
47633386001	W7152	BL2022	20	1/2", Socket Retaining Ring	2,450	1,360	2,040	3,4	207	17,0	3,7	95
47633391001	W7152P	BL2022	20	1/2", Pin Retainer	2,450	1,360	2,040	3,4	207	17,0	3,7	95
47633389001	W7252	BL2022	20	1/2", 2" Extended Socket Retaining Ring	2,450	1,360	2,040	3,6	257	17,2	2,3	95

\* ISO28927 – 3-axis measurement: vibration level/measurement uncertainty



W7152-K22-EU

### Also available as a kit.

CCN	Item No.	Kit Details
47633406001	W7152-K22-EU	2 BL2022 Battery, Tool, Charger, Bag
47633407001	W7152P-K22-EU	2 BL2022 Battery, Tool, Charger, Bag
47633408001	W7252-K22-EU	2 BL2022 Battery, Tool, Charger, Bag



Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$13 billion global business committed to a world of sustainable progress and enduring results.





# *IQ<sup>V20</sup> 3/4" High Torque Impact Wrench W7172*



**REAL TOOLS FOR REAL WORK.™**



# Next Generation Power

## Ingersoll Rand W7172 3/4" IQ<sup>V20</sup> High Torque Impact Wrench

The Ingersoll Rand® W7172 is one of the most powerful 3/4" cordless impact wrenches in its class. Built on over 100 years of power tool experience, this tool offers the power you want with the control you need.



Cradle Bolt



Tire Changing



Fleet Truck Maintenance



Industrial & MRO

### Tool Features

#### Tuned impact mechanism

2040 Nm nut-busting torque and 1360 Nm of MAX torque from a tool that measures just 215 mm from tip to tail and weighs only 3.5 kg (with battery BL2022)

#### Shadowless 360° LED light ring

with task light mode and 4 dimmable settings

#### All-metal drivetrain and hammer mechanism

is robust, durable and optimized for maximum power and efficiency

#### Variable-speed switch with electronic brake

provides maximum control of the tool and increases safety—release trigger, drive stops spinning









#### Tough composite housing and patented steel-reinforced frame

protects against aggressive fluids, chemicals and repeated drops



**Powerful brushless motor** delivers durability and efficiency as well as best-in-class power-to-weight ratio

**IQ<sup>V</sup> Power Control System** includes 4 modes

MODE	 HAND TIGHT	 WRENCH TIGHT	 HALF POWER	 MAX POWER
 * ft-lb (N-m)	4-10 (5-14)	35-110 (50-150)	100-530 (135-720)	100-1000 (135-1360)
	1000 (1360)	1000 (1360)	1000 (1360)	1000 (1360)
BOLT SIZE	M6-M12	M10-M16	M12-M32	M16-M32
SHUT OFF				



\*Approximate torque values shown.

### IQ<sup>V20</sup> Series™ W7172 Cordless Impact Wrench

Model	CCN	Battery	Voltage DC	Drive Size, Type	Impacts Per Minute BPM	MAX Torque Nm	Nut-Busting Torque Nm	Tool & Battery Weight kg	Length mm
W7172	47663441001	BL2022	20	3/4", (Socket Retaining Ring, Thru-Hole)	2450	1360	2040	3.5	215



W7172-K22-EU

### Also available as a kit.

Item No.	CCN	Kit Details
W7172-K22-EU	47663446001	2 BL2022 Batteries, Tool, Charger, Bag



Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$13 billion global business committed to a world of sustainable progress and enduring results.

©2019 Ingersoll Rand® IRVS-0819-025-EUEN

[irtools.com/W7172](http://irtools.com/W7172)

**REAL TOOLS FOR REAL WORK.**



**CORDLESS PRODUCTIVITY.**  
COUNTLESS POSSIBILITIES.



**IQV® 20V** 1/2" & 3/8" COMPACT IMPACT WRENCHES W3131 & W3151



# THE SMALLEST, LIGHTEST, STRONGEST

## COMPACT CORDLESS WRENCHES IN THE IQV® 20V SERIES

### Ingersoll Rand® IQV® 20V 1/2" & 3/8" Compact Impact Wrenches



From the brand you trust for precise, high-performance fastening tools – Ingersoll Rand grows its IQV® 20V system with the W3131 IQV® 20V 3/8" Impact Wrench and the W3151 IQV® 20V 1/2" Impact Wrench. Its brushless motor delivers best in class breakaway torque to quickly complete demanding applications. A compact form factor with less 135 mm tip-to-tail length and weight under 1.4 kg provides excellent control and maneuverability in tight workspaces. Including 3 speed modes and a patented 360° shadowless LED light ring to fully eliminate shadows, the W3131 and W3151 Compact Impact Wrenches include a 3-year limited warranty and are compatible with all IQV® 20V batteries.

#### W3131 3/8" IMPACT WRENCH

**High Torque Performance:**  
Breakaway : up to 545 Nm  
Fastening : up to 410 Nm

3/8" Square Drive Anvil

360° LED Light Ring

Variable Speed Trigger

Compatible with all Ingersoll Rand® IQV® 20V Batteries

#### W3151 1/2" IMPACT WRENCH

**High Torque Performance:**  
Breakaway : up to 610 Nm  
Fastening : up to 435 Nm

1/2" Square Drive Anvil

360° LED Light Ring

Variable Speed Trigger

Compatible with all Ingersoll Rand® IQV® 20V Batteries

Three Speed Modes

Powerful, Efficient Brushless Motor

Impact-Resistant Bumpers

Durable Metal Gear Case

Comfortable Overmolded Grip

IQV® 20V 1/2" & 3/8" COMPACT IMPACT WRENCHES	Model	System	Drive Type	Light	Breakaway Torque (Nm)	Free Speed (rpm)	Impacts/Min (bpm)	Weight (kg) (*)	Length (mm)
	W3131	IQV® 20V	3/8" Square	360° LED	545	2,800	4,200	1.4	132
	W3151	IQV® 20V	1/2" Square	360° LED	610	2,800	4,200	1.4	135

(\*) weight with BL2012 2.5 Ah battery





# 631 Series

1" Super-duty Impacttool™



More power to you

# Don't settle for less — demand genuine Ingersoll Rand parts!



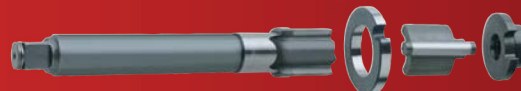
## **Vaness**

Our state-of-the-art, fiber-reinforced, engineered polymers ensure top performance from this critical part.



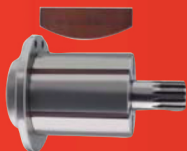
## **Endplates**

Easily serviceable parts, simplified components, and unique features give the longest tool life available — and the shortest downtime.



## **Rocking / swinging dog mechanism**

For more than 70 years, we've been perfecting our unique metallurgy and chemical treatment processes to produce the toughest impacttools on the market.



## **Vaness with motor**

Tight production tolerances, robust designs, and optimized output provide the best of both performance and productivity.



## **Sockets**

Backed by a long heritage of reliability and engineering excellence, Ingersoll Rand offers an extensive line of industrial-grade sockets.



## **Gloves**

For the ultimate in protection and comfort, our gloves are specially designed for the way you use our tools. They enhance your grip and enable your fingers to move easily, improving performance.

**As a leader in impacttools, Ingersoll Rand continuously strives for excellence through constant improvement in design and process.**

Distributed by:



Ingersoll Rand Industrial Technologies provides products, services, and solutions to enhance the efficiency and productivity of our commercial, industrial, and process customers. Our innovative products include air compressors, air systems components, tools, pumps, material and fluid handling systems, and microturbines.

(800) 376-TOOL • [irtools.com](http://irtools.com)



## **You'll get it done easy with Ingersoll Rand**

For more than 100 years, our air impacttools have been the choice of professionals who want to get the job done right every time, even in the harshest work environments. Our new 631L 1" super-duty impacttool delivers exceptional power and rugged durability in a convenient, easy-to-use package.

With its 3172 ft-lb of maximum torque, 3500 rpm free speed, and 8" extended anvil, the 631L is the perfect tool for the most demanding applications, such as automotive service, tire changing, as well as the MRO market. The 631S features a standard anvil, which allows access to limited space applications such as truck chassis and general industrial usage. The 631LSK has two-piece, 21 mm budd wheel sockets and two-piece, 41 mm hex sockets for changing truck and bus tires.



# Super-duty impacttools for demanding jobs

## Grease Groove

provides lubrication to the anvil/hammer case bushing area. Oil seal prevents grease from seeping out of hammer case busing.

**Through-hole socket retainer** permits easier socket changing

**Industrial 8" extended anvil** ensures rugged durability and access to tough applications

**Symmetric hammer plate geometry** prevents incorrect assembly

**High inertia-forged hammer frame** provides enhanced durability and torque

**Shrink-fitted motor** reduces air consumption and improves performance

**Chemical-resistant boots** absorbs shock and protects the hammer case and motor housing from damage

**Steel trigger** over-molded with chemical-resistant rubber to provide cushion during impacts

**Heat-treated, precision-machined hammer mechanisms** deliver maximum torque, prevent stalling, and increase life



**Precision-cut phenolic vanes** provide maximum power and durability

**High-efficiency 6-vane air motor** delivers 3,172 ft-lb of maximum torque

**4-position power regulator** enables one-motion quick switch actuation to change direction and regulate torque

**45° air inlet bushing** provides hose clearance from operator for safety and comfort during use



**Riveted name plate** for easy tool identification



**Oil port** allows oil to be added without hose removal

631S



631L



631LSK



## 631L, 631LSK & 631S 1" Super-Duty Impacttools™

SPECIFICATION	631L	631LSK	631S
Max. Torque – ft-lb (Nm)	3,172 (4,300)	3,172 (4,300)	3,172 (4,300)
Working Torque – ft-lb (Nm)	200 – 2,500 (271 – 3,390)	200 – 2,500 (271 – 3,390)	200 – 2,500 (271 – 3,390)
Bolt Capacity – mm (Hex size mm)	M55 (85)	M55 (85)	M55 (85)
Impacts/min	700	700	700
Free Speed – rpm	3,500	3,500	3,500
Weight – lb (kg)	36.5 (16.6)	36.5 (16.6)	32 (14.5)
Length – mm	624	624	431.8
Side to Centre Distance – mm	64.9	64.9	60.36
Average Air Consumption – cfm (L/min)	15.1 (427)	15.1 (427)	15.1 (427)
At Load – cfm (L/min)	56.0 (1,585)	56.0 (1,585)	56.0 (1,585)
Air Inlet Connection NPTF – in	1/2"	1/2"	1/2"
Min. Hose Size – in (mm)	1/2" (13)	1/2" (13)	1/2" (13)
ACCESSORIES			
Allen Key	yes	yes	yes
Male Thread Quick Change Connector	yes	yes	no
41 mm Hex Socket (90 mm long)	no	yes	no
21 mm Budd Wheel Socket (60 mm long)	no	yes	no
Motor Boot	yes	yes	no
Hammer Case Boot	yes	yes	no

\*Performance figures are at 620kPa/90psi/6.2 bar air pressure.

Common 1" socket sizes  
for truck, bus, and trailer tires

Part number	Output Hex Size (mm)	Length (mm)
S68M32L	32	90
S68M33L	33	90
S68M34L	34	90
S68M35L	35	90
S68M36L	36	90
S68M38L	38	90
S68M41L	41	90
S48M21	21 (female square budd wheel)	60

Refer to Ingersoll Rand accessories catalog for more socket sizes.

