

Ingersoll-Rand®

Industrial Bolting Solutions



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Introduction



Impacttools

They're the hardest-working tools of all. Nothing cuts as much time, or packs more labor-saving power than the Impacttool.

Imagine the manual process of a hammer striking against a hand wrench to tighten or loosen nuts and bolts. Then consider the sheer size and scope of those bolts — up to 4 inches in diameter — joining parts and components literally weighing tons, and exerting even greater forces. No small task, but one mastered by tools that create incredible energy out of compressed air or electricity, converting motor torque into a series of powerful rotary blows.

For almost seventy years, Ingersoll-Rand has pioneered the development and advancement of Impacttools, and today leads the industry with the most complete product selection available. Throughout this catalog, you will find two different types of IR Impacttools in three different performance rankings, designed to match the full spectrum of applications.

Two Different Types

Conventional Impacttools, in most cases, provide a torque output setting, but rely largely on operator judgment to determine when a fastener is sufficiently tightened. These are the most popular Impacttools, and include air as well as electric models.

Torque Control Impacttools (air only) provide automatic shutoff upon reaching a preset torque level. They are designed for applications requiring accurate fastener tightening, and incorporate built-in or detachable torsion bars. Based on their diameter and degree of adjustment, the torsion bar senses a predetermined torque level, and mechanically signals an internal shut-off device to prevent over-torquing.

Three Different Rankings

Three different rankings help to define the IR line of Impacttools:

- **Super Duty Tools** are intended for high volume production or heavy maintenance and construction, where ultimate performance and durability are required. These tools incorporate a number of unique added features, as well as the finest materials and bearings, tightest tolerances, and most powerful impact mechanisms.
- **Heavy Duty Tools** are well-suited to medium volume production or general maintenance and construction tasks, and offer a good balance between performance and economy.
- **Standard Duty Tools** are intended for less frequent use, involving lighter materials.

Choices for Every Application

Still more choices exist, with a variety of Impacttool configurations designed to suit the particular job at hand — for example ...small and medium-sized tools with straight or pistol-grip handles...and larger models with inside trigger, outside trigger, or lever throttle handles. Drive sizes range from 3/8-inch to 3 1/2-inch square drive, and also include spline drives for maximum power transmission in demanding applications. In addition, you can specify certain tools with quick-change anvils for use with extended socket devices, special screwdriver bits, wood augers, and more.

Seventy Years of Leadership

Throughout its history, Ingersoll-Rand has earned a global reputation for creating tools that solve problems, build productivity, and put more power in the hands of the worker. The development of IR Impacttools is a particularly strong case in point.

Air Power

Invented by Robert Pott in the early 1930s, the first Impacttool was electrically powered, and replaced a manual, labor-intensive process for applications in the agricultural industry. The tools quickly became popular in heavy industrial applications, proving their value in railroad maintenance, bridge construction, refineries, and many other roles. Ingersoll-Rand consulted with Pott and suggested the use of compressed air as a power source, with a new air motor package that the company had designed. Ingersoll-Rand later acquired the original Impacttool patent

rights from Pott, and began testing its own designs. In 1934, IR introduced its first air Impacttool models, in 3/4-inch drive sizes.

Impactool Evolution

Several years later, IR replaced the original impact mechanism with its own ball and cam design, utilizing two steel balls trapped in opposing helical ball races on the hammer and cam. Shortly thereafter, IR replaced the gear-driven forward/reverse mechanism by simply changing the flow of air to the motor. This power package forms the basis for many of today's Impacttools.

Throughout the 1950s and '60s, IR continued to expand its Impacttool offerings as new and different applications arose. New advancements included the first torque control tools, designed to stop at predetermined settings, as well as numerous refinements to impact power mechanisms.

Ingersoll-Rand revolutionized Impacttool design in the 1970s with the development of the twin-hammer mechanism, extracting more power with fewer moving parts than ever before. Two hammers strike instantaneous, balanced blows to the anvil lobes, generating increased torque with minimal vibration. And today, the advancements continue. The IR2904, 2131, 2925, and 2141 Series Models all deliver more power, comfort, and control than anything else in their respective classes. All reflect the IR philosophy of **High Performance Ergonomics** — user oriented design that provides real-world productivity benefits... based on a systematic, objective measure of ergonomic factors for validation and value.

In general, Ingersoll-Rand Impacttool mechanisms can be identified by the first one or two digits of the model number:

- Twin-hammer: "2" (except 2902, 2903)



- Jumbo hammer: "17" (plus 2902, 2903)
- Ball and cam: "5" (plus electric Impacttools)

Make the Right Choice

On the following pages, you will find a detailed review of the complete Ingersoll-Rand Impactool line, including performance specifications, special features, standard equipment, and relevant accessories. We have also provided an Impactool Selection Guide on pages 16-17. This will assist in the selection process by defining the following considerations:

- Diameter of fastener being used
- Grade of fastener being used
- Torque control vs. conventional
- Required torque (if applicable)

The selection guide will indicate recom-



mendations based on types of fasteners and tools, using examples from the IR product line carrying the Super Duty rating. However, please refer to the tool specification pages for information on full line availability. In addition, check the Quick Reference on page 23.

IR Impactools. The hardest-working tools of all, backed by the best support in the industry.



High Performance Ergonomics

Four Types of Impactool Mechanisms



Twin-Hammer

A simplified, yet highly effective design that holds each of the reversible hammers in full engagement or disengagement with centrifugal force. The twin-hammer mechanism delivers more power per pound, and is less sensitive to air pressure fluctuations than any other design.

- Smooth, balanced blow
- High power-to-weight ratio
- Suitable for hard or soft-draw applications



Jumbo Hammer

Similar in concept to the twin-hammer mechanism, but employing a single hammer.



- Simplified design
- Reversible hammers
- Direct drive



TwinHammer Plus

The latest refinement of the **TwinHammer Plus** TwinHammer mechanism adds new geometry and material to the hammer design and anvil for 30 percent greater durability.

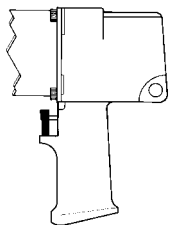
Ball and Cam

Precision mechanism converts motor torque into powerful rotary impacts. A planetary gear drive delivers smooth, constant speed from the motor. The ball and cam mechanism is ideal for soft draw applications, and is utilized in larger Impacttools, as well as in all torque control and electric Impacttools.

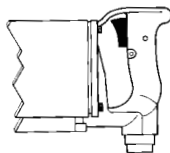
- Air or electric
- Does not stall
- A time-tested design



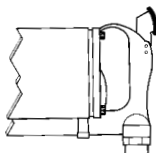
Configurations



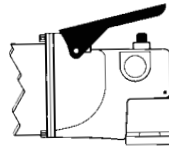
Pistol



Inside Grip



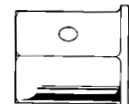
Outside Grip



Straight



Quick Change



Square Drive



Spline Drive

3/8"-3/4" Class Impacttools

Ingersoll-Rand's wide range of Impacttools offers you the flexibility you need to fit even your most unique applications properly. From applications involving lighter materials and less frequent use to heavy duty maintenance and repair operations, we've got the right tool for the job. Our product selection covers the full range of drive sizes and configurations. In this section, choose from 3/8-inch drive models such as the compact 2904 to IR's 3/4-inch class Series 2925.



3/8" Class Impacttools



● 2902P1-EU



▲ 2904P1-EU

Features

- Twin-hammer impact mechanism on Series 2904
- Jumbo Hammer impact mechanism on Series 2902
- Durable epoxy-coated motor housing and handle
- Plated steel hammer case
- Pressure-feed impact mechanism lubrication

Standard Equipment

- Series 2902 and 2903
 - 1/4" NPT inlet
 - Steel hammer case
 - Integral muffler
 - Built-in power regulator
 - Pin-type socket retainer
- Series 2904
 - 1/4" NPT inlet
 - Steel hammer case
 - Composite housing
 - Power management system

Series 2902-EU

- Vertical hanger No. 1901-365 (B)
- Horizontal hanger No. 1901-366 (P&B)

Series 2903-EU

- Vertical hanger No. 2908-365
- Horizontal hanger No. 1901-366

Model	Drive Description	Handle	Free Speed rpm	Impacts per minute	Maximum Torque		Recomm. Torque Range		Weight, less socket		Length, less socket		Side to Center Distance		Size Hose		Recomm. CFM
					ft.-lb.	Nm	ft.-lb.	Nm	lb.	kg	in.	mm	in.	mm	in.	mm	

Super Duty Impacttools

● 2902P1-EU	3/8" square	Pistol	10,000	1500	140	190	20-120	27-163	2 1/2	1.25	5 1/2	140	1 3/8	35	5/16	8	15
2903P2-EU	3/8" square	Pistol	6000	1200	205	278	30-170	41-230	4 13/16	2.18	5 5/8	143	1 3/8	35	3/8	10	21
▲ 2904P1	3/8" square	Pistol	14,500	1500	230	313	25-200	34-270	2.65	1.20	5 3/4	146	1 1/8	29	3/8	10	18
	Reverse Bias				260	354											
2904P4	1/4" hex QC	Pistol	14,500	1500	230	313	25-200	34-270	2.65	1.20	5 3/4	146	1 1/8	29	3/8	10	18
	Reverse Bias																

QC designates a Quick Change chuck.

Note: All of the above square drive Impacttools furnished with pin-type retainer.
Performance figures are at 90 psi (620kPa) air pressure.

1/2" Class Impacttools

Features

- Jumbo hammer impact mechanism on Series 2903
- Rugged twin-hammer impact mechanism on 2906
- Durable epoxy-coated motor housing and handle
- Plated steel hammer case
- Pressure-feed impact mechanism lubrication

Standard Equipment

Series 2903

- 1/4" NPT inlet
- Steel hammer case
- Built-in lubricator
- Integral muffler
- Built-in power regulator

Series 2906

- 1/4" NPT inlet
- Steel hammer case
- Built-in lubricator
- Integral muffler
- Two-piece motor housing
- Built-in power regulator



▲ 2903P1-EU



★ 2906P1-EU

Equipment at Extra Price

Series 2903, 2906

- Vertical hanger No. 2908-365

Model	Drive Description	Handle	Free Speed rpm	Impacts per minute	Maximum Torque		Recomm. Torque Range		Weight, less socket		Length, less socket		Side to Center Distance		Size Hose		
					ft.-lb.	Nm	ft.-lb.	Nm	lb.	kg	in.	mm	in.	mm	in.	mm	CFM
Super Duty Impacttools																	
★2906P1-EU	1/2" square	Pistol	5000	1200	500	678	40-350	54.2-475	6	2.72	67/8	175	1 ¹¹ / ₃₂	34	3/8	10	23
▲2903P1-EU	1/2" square	Pistol	6000	1200	220	298	30-185	41-250	4 ¹ / ₆	2.18	5 ⁵ / ₈	143	1 ³ / ₈	35	3/8	10	21
Standard Duty Impacttools																	
2904P2	1/2" square Reverse Bias	Pistol	14,500	1500	230	313	25-200	34-270	2.65	1.20	5 ³ / ₄	146	1 ¹ / ₈	29	3/8	10	18

All of the above square drive Impacttools furnished with pin-type retainer. Performance figures are at 90 psi (620 kPa) air pressure.

5/8" and 3/4" Class Impacttools

The IR2925B 3/4" Drive Impacttool. 1700 ft.- lbs. of max torque ÷ 14 lbs. of tool.

With an ergonomically designed handle and grip, and a trim, 14-lb. weight, the IR2925B 1" Impacttool will ease the burden of exhausting steel erection, bridge maintenance, power generation and petrochemical applications.



Standard dead handle allows a comfortable and balanced grip, with even weight distribution. Adjustable 360° positioning.

Although it weighs approximately 30% less than the lightest competitor, the IR2925B generates an incredible 1700 ft.-lbs. of torque in reverse, thanks to a compact, efficient air motor that achieves peak torque output quicker than other tools.

Other features include the Corrode-X corrosion resistant motor, valving and airflow components, Ingersoll-Rand's enhanced geometry twin-hammer mechanism, an easy-access power management system, and a rear air inlet that keeps the hose in line and out of the way.

The IR2925B – More power – More speed – More comfort – Less weight. Forward bias and outside trigger models are also available. And, the IR2925P Series offers similar advantages in a pistol-grip configuration.



The three-position power management system is conveniently located inside the handle for one-handed access to three levels of power in forward, and one in reverse.



IR2925P

A new generation of Impacttools

The unique features of the 2925 Series extend to pistol grip configurations in the 2925P Models. They offer an unmatched combination of performance and control, with the durability to withstand the toughest operating conditions.

External features include:

- Ergonomic handle design
- Smooth contoured profile with integral grip ledge
- Three-piece housing
- Handle exhaust
- 360° swivel air inlet
- Contoured trigger
- Minimum side-to-center distance
- Enhanced pressure-feed lubrication system
- Low profile reverse lever
- Three-position power regulation and forward/reverse control

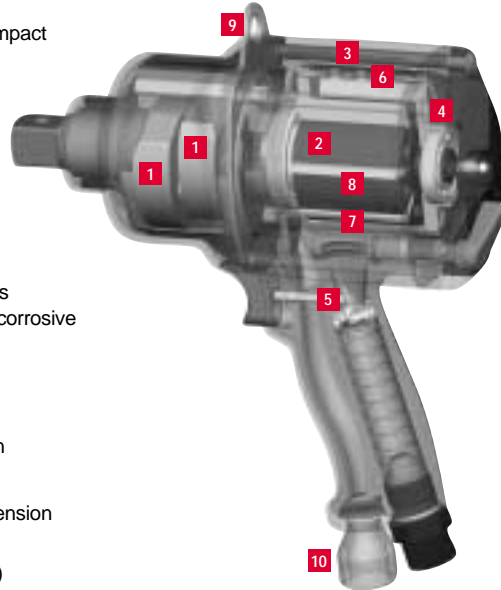
Position #1 = Full

#2 = Approx. 88%

#3 = Approx. 77%

Internal features include:

- 1 Enhanced twin-hammer impact mechanism
- 2 Supermotor™
- 3 Through-bolt construction
- 4 Corrode-X™ (Components completely impervious to corrosive contaminants)
- 5 Tilt throttle
- 6 Reverse or forward bias
- 7 Concentric cylinder design
- 8 Composite vanes
- 9 Balanced horizontal suspension bail (opt.)
- 10 Piped-away exhaust (opt.)



High Performance Ergonomics

5/8" and 3/4" Class Impacttools



◆ 2925B2



■ 2925P1-EU

Features

Series 2908

- Durable epoxy-coated motor housing and handle
- Plated steel hammer case
- Twin-hammer impact mechanism
- Pressure-feed impact mechanism lubrication

Series 2920B

- Muffled exhaust reduces operator fatigue
- Slip fit motor for easy maintenance
- Tilt throttle on pistol models for maximum control
- Two-piece motor housing on pistol models
- Durable epoxy-coated motor housing and handle
- Plated steel hammer case
- Twin-hammer impact mechanism
- Pressure-feed impact mechanism lubrication

Series 2925

- Integral grip ledge
- Three-piece housing
- Handle exhaust
- Minimum side to center distance
- Three position power regulation
- Forward/reverse control
- Enhanced twin-hammer impact mechanism
- 7-Vane high-output air motor
- Corrode-X™ component package

Series 2925B

- 1/2" swivel air inlet
- Enhanced twin-hammer impact mechanism
- Corrode-X™ component package
- Reverse bias 7-vane high-output air motor
- Throughbolt design
- 45° bottom exhaust with muffler
- Three-position power management system
- Universal grease fitting
- Steel hammer case
- Durable, textured epoxy finish
- Ergonomically-designed handle

Standard Equipment

Series 2908

- 3/8" NPT Inlet
- Pin-type socket retainer
- Steel hammer case
- Integral muffler
- Built-in lubricator
- Built-in power regulator

Series 2925

- 3/8" NPT Inlet
- Steel hammer case
- Integral muffler
- Built-in power regulator
- Through-hole socket retainer

Series 2920B

- 3/8" NPT inlet
- Steel hammer case
- Integral muffler
- Built-in lubricator

- 90° Angle drive (Model 2920B9 only)
- 2920B3 includes 834-48 straight handle
- 2920B9 includes spade handle T15-41

Equipment at Extra Price

Series 2908

- Vertical hanger No. 2908-365

Series 2925

- Piped-away exhaust kit No. 2161-123
- Horizontal suspension bail No. 2161-366
- Number 4 spline anvil No. 2910-A526

Series 2920B

- 2910B-726-6: 6" extended 3/4" anvil
- Horizontal hanger No. 910-366
- 5/8" hex quick change anvil No. 2910B-A926-10

Equipment at Extra Price

Series 2920B

- Power regulator valve kit No. 2920-K32

5/8" and 3/4" Class Impacttools

Model	Drive Description	Handle	Free Speed rpm	Impacts per minute	Maximum Torque		Recomm. Torque Range		Weight, less socket		Length, less socket		Side to Center Distance		Size Hose		Recomm. CFM
					ft.-lb.	Nm	ft.-lb.	Nm	lb.	kg	in.	mm	in.	mm	in.	mm	
2925P1-EU	3/4" square	Pistol	5200	1050	1450	1972	350-1100	476-1496	11 ⁷ / ₈	5.39	8 ⁷ / ₈	225	1 ³ / ₄	44	1/2	13	60
2925P3-EU	1" square	Pistol	5200	1050	1450	1972	350-1100	476-1496	11 ⁷ / ₈	5.39	8 ⁷ / ₈	225	1 ³ / ₄	44	1/2	13	60
2925RBP1-EU	3/4" square Reverse Bias	Pistol	5200	1050	1600 R 1300 F	2176 1768	400-1400 300-950	544-1904 408-1292	11 ⁷ / ₈	5.39	8 ⁷ / ₈	225	1 ³ / ₄	44	1/2	13	60
2925B2	1" square	Grip	6500 I.T.	900	1600	2170	350-1400	475-1904	14	6.35	12 ³ / ₈	314	1 ⁵ / ₈	41	1 ¹ / ₂	13	60
2925RB2-EU	1" square Reverse Bias	Grip I.T.	6500 I.T.	900	1700R 1500F	2305 2034	F300-1300 R400-1500	407-1763 544-2034	14	6.35	12 ³ / ₈	314	1 ⁵ / ₈	41	1 ¹ / ₂	13	60
2925A2	1" square	Grip	6500 O.T.	900	1600	2170	350-1400	475-1904	14	6.35	12 ³ / ₈	314	1 ⁵ / ₈	41	1 ¹ / ₂	13	60
2925RA2	1" square Reverse Bias	Grip O.T.	6500 O.T.	900	1700R 1500F	2305 2034	F300-1300 R400-1500	407-1763 544-1904	14	6.35	12 ³ / ₈	314	1 ⁵ / ₈	41	1 ¹ / ₂	13	60
2925RBP3-EU	1" square Reverse Bias	Pistol	5200	1050	1600 R 1300 F	2176 1768	400-1400 300-950	544-1904 408-1292	11 ⁷ / ₈	5.39	8 ⁷ / ₈	225	1 ³ / ₄	44	1/2	13	60
2920B1-EU	3/4" square	Grip	5000	950	1100	1495	250-800	339-1085	13 ³ / ₁₆	5.98	12 ¹ / ₂	318	1 ²⁹ / ₃₂	49	1/2	13	36
2920B3-EU	1" square	Grip	5000	950	1100	1495	250-800	339-1085	13 ³ / ₁₆	5.98	12 ¹ / ₂	318	1 ²⁹ / ₃₂	49	1/2	13	36
◆2920B9-EU	3/4" sq. at 90°	Grip	5000	950	550	949	125-400	203-678	23 ¹¹ / ₁₆	10.75	17 ¹ / ₂	445	1 ¹⁵ / ₁₆	133	1/2	13	36
2908P2-EU	3/4" square	Pistol	6000	1050	750	1017	100-450	136-610	8 ¹¹ / ₁₆	3.94	7 ¹ / ₁₆	195	1 ⁵ / ₈	41	1/2	13	31
2908P1-EU	5/8" square	Pistol	6000	1050	750	1017	100-450	136-610	8 ¹ / ₂	3.86	7 ¹ / ₁₆	195	1 ⁵ / ₈	41	1/2	13	31

Standard Duty Impacttools

2141P	3/4" square	Pistol	7250	1175	1200R 1000F	1632 1360	200-900	271-1220	7.0	3.2	8.2	208	1 ³ / ₄	44	1/2	13	40
2141P3	#4 spline	Pistol	7250	1175	1200R 1000F	1632 1360	200-900	271-1220	7.0	3.2	8.2	208	1 ³ / ₄	44	1/2	13	40

Note: IR2925 number 4 spline models are available by converting the standard square drive anvil with number 4 spline anvil part number 2910-A526.

The same performance figures apply.

Models 2908P1 and 2908P2 Impacttools furnished with pin-type retainer.

Performance figures are at 90 psi (620 kPa) air pressure.

Angle head gear ratio on model 2920B9 is 2 to 1.

† Side to center distance of angle head. Height of angle head to shoulder of square drive is 3¹/₂" (89 mm).

**2920B9 Hammer Case is plated ductile iron.

◆ Approx. 50% torque reduction.

I.T.: Inside Throttle

O.T.: Outside Throttle

1"-3½" Class Impacttools



You'll master the toughest challenges with IR's 1-inch to 3½-inch Class Impacttools. Designed for high volume production or heavy maintenance and construction applications, these models incorporate the finest materials and most precise tolerances. IR has combined almost seventy years of Impacttool expertise and the finest materials around to produce the best Impacttools the industry has to offer.

1" Class Impacttools



Features

- 1" square drive or No. 5 spline models
- Plated ductile iron hammer case and durable epoxy-coated motor housing and handle
- Twin-hammers mean more power per pound
- Pressure-feed impact mechanism lubrication
- Two-piece motor housing

Standard Equipment Series 2934

- 1/2" NPT inlet
- Plated cast iron hammer case
- Dead straight handle (A & B models only)
- Spade style dead handle (B9 & P2 models only)
- Integral muffler
- Built-in power regulator (P2 model only)
- 90° Angle drive (Model 2934B9 only)

Equipment at Extra Price

Series 2934

- 90° Angle drive is available for all square drive models.
- Order angle attachment No. 2934A90 and hex nose hammer case No. 2934-A827. This hammer case must be used to replace the standard hammer case. Note that these items are furnished as standard equipment on Model 2934B9
- *1" drive x 6" (152 mm) extended anvil No. 2934-314-6
- Horizontal hanger consisting of:
 - One horizontal hanger No. 2934-366
 - Two hanger spacers No. 2934-140
- Piped-away exhaust muffler kit No. 2940-KM184. (A & B models only)

Model	Drive Description	Handle	Free Speed rpm	Impacts per minute	Maximum Torque		Recomm. Torque Range		Weight, less socket		Length, less socket in. mm	Side to Center Distance		Size Hose in. mm	Recomm. CFM
					ft.-lb.	Nm	ft.-lb.	Nm	lb.	kg		in. mm	in. mm		

Super Duty Impacttools

2934A2-EU	1" square	Grip O.T.	6600	750	1500	2030	500-1100	678-1490	18½	8.39	11¼	286	2¾	56	¾	19	47
2934B1-EU**	No. 5 spline	Grip I.T.	6600	750	1500	2030	500-1100	678-1490	18½	8.39	11¼	286	2¾	56	¾	19	47
2934B2-EU	1" square	Grip I.T.	6600	750	1500	2030	500-1100	678-1490	18½	8.39	11¼	286	2¾	56	¾	19	47
● 2934B9-EU	1" sq. at 90°	Grip I.T.	5300	780	750	1624	250-500	678-1355	35¾	16.2	18⅝	473	1⅝	41	¾	19	47
▲ 2934P2-EU	1" square	Pistol	5300	825	1500	2030	500-1100	678-1490	20	9.07	8⅝	219	2¾	56	¾	19	47

*Approx. 15% torque reduction. **No. 5 spline 1½" OD 14 teeth.

Performance figures are at 90 psi (620 kPa) air pressure. † Side to center distance of angle head. Height of angle head to shoulder of square drive is 4¾" (111 mm).

Angle head gear ratio on model 2934B9 B is 1 to 1. I.T.: Inside Trigger

O.T.: Outside Trigger



● 2940B1-EU



▲ 2940P2-EU

Features

- Choice of 1" square drive or No. 5 spline
- Plated ductile iron hammer case and durable epoxy-coated motor housing and handle
- Twin-hammers mean more power per pound
- Two-piece motor housing

Standard Equipment

- Series 2940**
- 1/2" NPT inlet
 - Plated cast iron hammer case
 - Integral muffler
 - Built-in lubricator
 - Straight dead handle (A & B models only)
 - Spade style dead handle (P2 Model only)
 - Integral power regulator (P2 Model only)

Equipment at Extra Price

- Series 2940**
- Piped-away exhaust muffler kit No. 2940-KM184 (A & B models only)
 - Horizontal hanger consisting of
 - One horizontal hanger No. 2934-366
 - Two hanger spacers No. 2934-140
 - *1" drive x 6" (152 mm) extended anvil No. 2940-314-6

Model	Drive Description	Handle	Free Speed rpm	Impacts per minute	Maximum Torque		Recomm. Torque Range		Weight, less socket		Length, less socket		Side to Center Distance in. mm	Size Hose Recomm. in. mm	CFM		
					ft.-lb.	Nm	ft.-lb.	Nm	lb.	kg	in.	mm					
2940A1-EU**	No. 5 spline	Grip O.T.	5000	850	2000	2710	1000-1600	1360-2170	22	9.98	12 1/4	311	2 3/16	56	3/4	19	58
2940A2-EU	1" square	Grip O.T.	5000	850	2000	2710	1000-1600	1360-2170	22	9.98	12 1/4	311	2 3/16	56	3/4	19	58
● 2940B1-EU**	No. 5 spline	Grip I.T.	5000	850	2000	2710	1000-1600	1360-2170	22	9.98	12 1/4	311	2 3/16	56	3/4	19	58
2940B2-EU	1" square	Grip I.T.	5000	850	2000	2710	1000-1600	1360-2170	22	9.98	12 1/4	311	2 3/16	56	3/4	19	58
▲ 2940P2-EU	1" square	Pistol	4000	810	2000	2710	1000-1600	1360-2170	22 7/8	10.4	9 7/8	251	2 3/16	56	3/4	19	58

*Approx. 15% torque reduction.

**No. 5 spline 1 3/8" OD 14 teeth.

Performance figures are at 90 psi (620 kPa) air pressure.

O.T.: Outside Trigger

I.T.: Inside Trigger

1½" Class Impacttools



● 2950B7-EU



▲ 5980A1-EU

Features

Series 2945 and 2950

- Twin-hammers mean more power per pound
- Direct drive for fast rundown
- Durable epoxy-coated motor housing
- Plated ductile iron hammer case
- Pressure-feed impact mechanism lubrication
- Two-piece motor housing

Model 5980A1-EU

- Precision ball and cam impact mechanism

Standard Equipment

Series 2945

- 1/2" NPT inlet
- Straight dead handle
- Plated hammer case
- Built-in lubricator
- Integral muffler

Series 2950

- 1/2" NPT inlet
- Straight dead handle
- Plated hammer case
- Built-in lubricator
- Integral muffler

Model 5980A1-EU

- 3/4" NPT inlet
- Aluminum hammer case
- Built-in lubricator
- Horizontal eyebolt
- Vertical eyebolt

Equipment at Extra Price

Series 2945 and 2950

- Piped-away exhaust muffler kit No. 2940-KM184
- Horizontal hanger kit No. 2950-K366

Series 5980A1 and 5982A1

- Dual grip handle No. 5980-48

Model	Drive Description	Handle	Free Speed rpm	Impacts per minute	Maximum Torque		Recomm. Torque Range		Weight, less socket		Length, less socket		Side to Center Distance in. mm	Size Hose Recomm. in. mm	CFM
					ft.-lb.	Nm	ft.-lb.	Nm	lb.	kg	in.	mm			

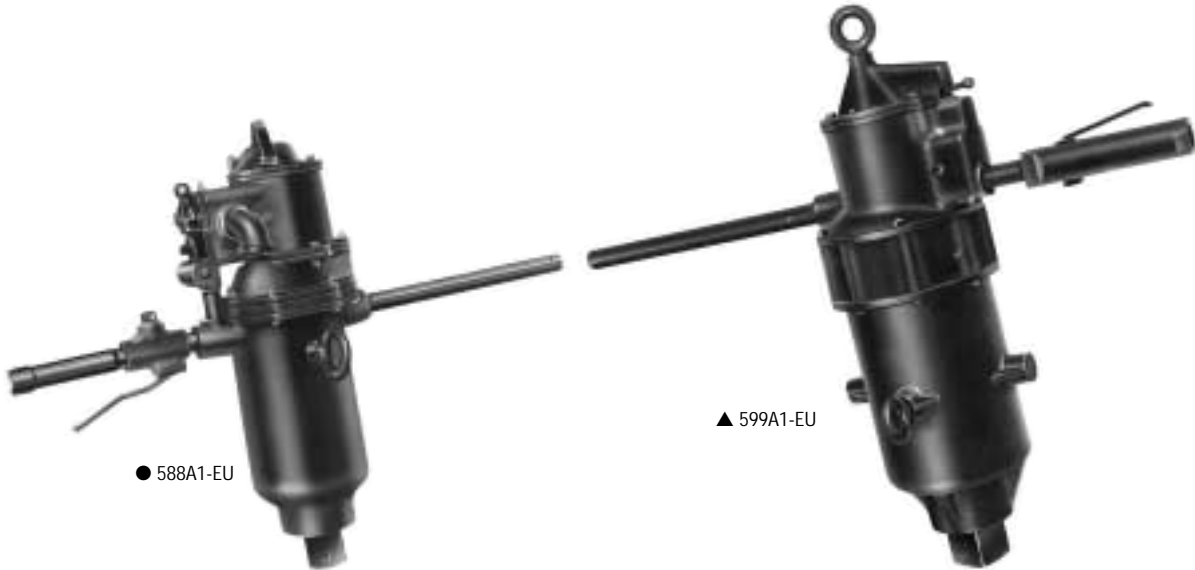
Super Duty Impacttools

2945A7-EU	1½" square	Grip-O.T.	4000	650	2400	3264	1400-1800	1900-2440	30	13.6	13¾	349	2½	64	¾	19	65
2945B1-EU*	No. 5 spline	Grip-I.T.	4000	650	2400	3264	1400-1800	1900-2440	30	13.6	13¾	349	2½	64	¾	19	65
2945B7-EU	1½" square	Grip-I.T.	4000	650	2400	3264	1400-1800	1900-2440	30	13.6	13¾	349	2½	64	¾	19	65
2950A7-EU	1½" square	Grip-O.T.	3750	650	3000	4080	1600-2500	2170-3390	32⅝	14.8	14½	368	2½	64	¾	19	70
2950B1-EU	No. 5 spline	Grip-I.T.	3750	650	3000	4080	1600-2500	2170-3390	32⅝	14.8	14½	368	2½	64	¾	19	70
● 2950B7-EU	1½" square	Grip-I.T.	3750	650	3000	4080	1600-2500	2170-3390	32⅝	14.8	14½	368	2½	64	¾	19	70
▲ 5980A1-EU	1½" square	Lever	830	1000	10,000	13,560	2300-5500	3119-7460	88	39.9	23	584	3½	78	1	25	138

Performance figures are at 90 psi (620 kPa) air pressure.
*No. 5 spline 1⅝" OD 14 teeth.

O.T.: Outside Trigger
I.T.: Inside Trigger

2½" to 3½" Class Impacttools



● 588A1-EU

▲ 599A1-EU

Features

- Faster removal and tightening of large (4" [102 mm] and larger) fasteners
- Precision ball and cam impact mechanism
- Portable, easy to handle or suspend
- Model 599A1-EU is the most powerful Impacttool in the world

Standard Equipment

Model 5982A1-EU

- Lever throttle
- ¾" NPT inlet
- Aluminum hammer case
- Side exhaust
- Dead handle
- Horizontal eyebolt
- Vertical eyebolt

Model 588A1-EU

- Lever throttle
- 1" NPT inlet
- Cast iron hammer case
- Dead handle
- Built-in lubricator
- Horizontal eyebolt
- Vertical hanger

Model 599A1-EU

- Lever throttle
- 1¼" NPT inlet
- Cast iron hammer case
- Dead handle
- Built-in lubricator
- Horizontal eyebolt
- Vertical eyebolt

Equipment at Extra Price

Model 5982A1-EU

- Horizontal hanger
ILA582A1-D366

Model	Drive Description	Handle	Impacts		Maximum Torque		Recomm. Torque Range		Weight, less socket		Length, less socket		Side to Center Distance		Size Hose	
			Free Speed rpm	per minute	ft.-lb.	Nm	ft.-lb.	Nm	lb.	kg	in.	mm	in.	mm	in.	mm

Super Duty Impacttools

5982A1-EU	2½" square	Lever	830	850	20,000	27,120	4000-10,000	5424-13,560	120	54.5	25¾	645	3½	89	1	25	130
● 588A1-EU	2½" square	Lever	355	550	50,000	67,800	12,000-25,000	16,270-33,900	215	97.5	26⅝	676	4	101	1	25	155
▲ 599A1-EU	3½" square	Lever	295	500	80,000	108,500	26,000-42,000	35,250-57,000	599	272	37½	952	6¾	171	1½	38	375

Performance figures are at 90 psi (620 kPa) air pressure.

Pressure-Feed Lubrication System



Ingersoll-Rand uses a “pressure-feed” lubrication system on all Twin-Hammer and Jumbo Hammer

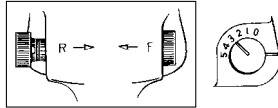
Impact Mechanisms. This exclusive system allows the operator to externally inject grease into a chamber through a grease fitting in the rear of the motor housing.

Air pressure from the motor force feeds the right amount of grease from the chamber and through the rotor, distributing a film of protective grease on the hammer mechanism. This system insures the continuous lubrication of critical hammer parts, resulting in longer, trouble-free life.

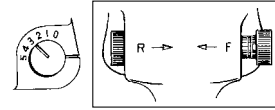
Use Cat. No. R000A2-228 Metal Grease Gun and Cat. No. 100 Grease, or equivalent. This grease has the right viscosity to flow through the small orifice in the rotor and anvil.

Power Regulator System

Some Twin-Hammer and Jumbo Hammer tools are equipped with a combination power regulator/reverse valve. This design allows operators to adjust power output, to prevent over-torquing on delicate work, in one direction—while maintaining full power in the opposite direction. The power output in either direction is designated by the numbers “0” thru “5”. Number 5 designates maximum power.

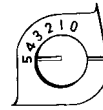


Forward:
Regulator on 3 reduces power output. Switching to **reverse** automatically maintains full power.



Reverse:
Regulator on 3 reduces power output. Switching to **forward** automatically maintains full power.

Regulator on 5:
Forward, maximum power output
Reverse, maximum power output



Impact Selection Chart

DIN 267 BOLT GRADE

New "Bolt Grade" consists of two figures which refer to the following characteristics of the bolt:

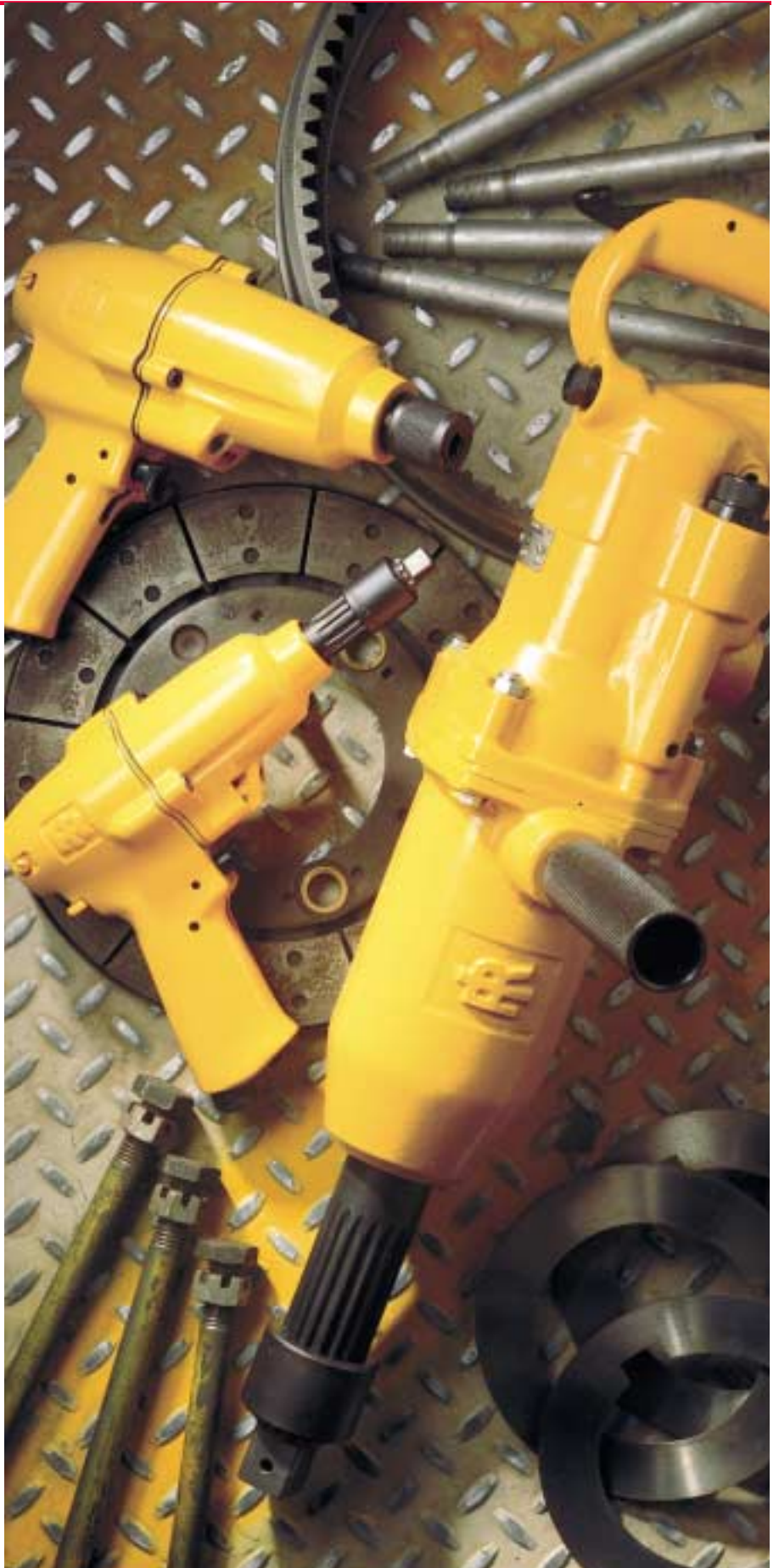
1st digit = 10 % of breaking load in kg/mm². 2nd digit = 10 % of ratio between minimum elastic limit and minimum breaking load.

NEW	3.6		4.6		4.8		5.6		5.8		6.8		8.8		10.9		12.9		
OLD	4A		4D		4S		5D		5S		6S		8G		10K		12K		
Thread Size	Across Flats	Torque Nm	Impac-tool	Torque Nm	Impac-tool	Torque Nm	Impac-tool	Torque Nm	Impac-tool	Torque Nm	Impac-tool	Torque Nm	Impac-tool	Torque Nm	Impac-tool	Torque Nm	Impac-tool	Torque Nm	Impac-tool
M4	7	0,85	2902	1,1	2902	1,5	2902	1,4	2902	1,9	2902	2,3	2902	2,9	2902	4,1	2902	4,9	2902
M5	9	1,7	2902	2,2	2902	3,0	2902	2,8	2902	3,7	2902	4,5	2902	6,0	2902	8,5	2902	10	2902
M6	10	2,9	2902	3,8	2902	5,1	2902	4,8	2902	6,4	2902	7,7	2902	10	2902	14	2902	17	2902
M8	13	7,0	2902	9,3	2902	12	2902	12	2902	16	2902	19	2902	25	2902	35	2902	41	2902
M10	17	14	2902	19	2902	25	2902	23	2902	31	2902 2903	37	2902 2903	49	2902 2903	69	2902 2903 2906	83	2903 2906
M12	19	24	2902	32	2902 2903	43	2902 2903	40	2902 2903	54	2902 2903 2906	65	2902 2903 2906	86	2903 2906	120	2903 2906	145	2903 2906
M14	22	39	2902 2903	51	2902 2903	68	2903 2906	64	2902 2903 2906	86	2903 2906	105	2903 2906	135	2903 2906	190	2908 2906	230	2908 2906
M16	24	59	2902 2903 2906	79	2902 2903 2906	105	2903 2906	98	2903 2906	130	2903 2906	155	2903 2906	210	2908 2906	295	2908 2906	355	2908 2906
M18	27	81	2902 2903 2906	110	2903 2906	145	2908 2906	135	2908 2906	180	2908 2906	215	2908 2906	290	2908 2906	405	2908 2906	485	2908 2906
M20	30	115	2903 2906	155	2903 2906	205	2908 2906	190	2908 2906	255	2908 2906	305	2908 2906	410	2908 2906	580	2908 2906 2934	690	2908 2906 2934
M22	32	155	2908 2903 2906	205	2908 2906	275	2908 2906	260	2908 2906	345	2908 2906 2906	415	2908 2906 2906	550	2908 2906 2906	780	2920 2934	930	2920 2934
M24	36	200	2908 2906	265	2908 2906	350	2908 2906	330	2908 2906	440	2908 2906	530	2908 2906	710	2920 2934	1000	2920 2934	1200	2920 2934
M27	41	295	2908 2906	390	2908 2906	520	2920 2906	490	2908 2906	650	2908 2906	780	2920 2934	1050	2920 2934	1500	2940 2934	1800	2940 2934
M30	46	395	2908 2920 2906	530	2908 2920	710	2920 2934	660	2920 2934	880	2920 2934	1050	2920 2934	1450	2934 2940	2000	2940 2945	2400	2940 2945 2950
M33	50	540	2908 2920	720	2920 2934	960	2920 2934	900	2920 2934	1200	2934 2940	1450	2934 2940	1900	2940 2945	2700	2945 2950	3250	2950 5980
M36	55	690	2920 2934	920	2920 2934	1250	2934 2940	1150	2934 2940	1550	2940 2945	1850	2945 2950	2450	2945 2950	3450	2950 5980	4150	5980
M39	60	920	2920 2934	1200	2934 2940	1600	2940 2945	1500	2934 2940	2000	2940 2945	2400	2945 2950	3200	2950 5980	4500	5980 2950	5400	5982
M42	65	1100	2920 2934	1500	2934 2940	1950	2940 2945	1850	2940 2945	2450	2945 2950	2950	2950 5980	3950	5980	5550	5980 5982	6650	5980 5982
M45	70	1400	2934 2940	1850	2940 2945	2450	2945 2950	2300	2945 2950	3100	2950 5980	3700	5980	4950	5980	6950	5980 5982	8350	5982
M48	75	1700	2940 2945	2250	2945 2950	3000	2950 5980	2800	2950 5980	3750	5980	4450	5980	5950	5980 5982	8400	5982	10100	5982
M52	80	2150	2940 2945	2900	2950 5980	3850	5980	3600	5980	4800	5980	5750	5980 5982	7650	5982	10800	5982	12900	5982
M56	85	2700	2945 2950	3600	5980	4800	5980	4500	5980 5982	5950	5980 5982	7150	5980 5982	9550	5982	13400	5982	16100	588
M60	90	3350	2950	4450	5980	5950	5980 5982	5550	5980 5982	7400	5980 5982	8900	5982	11900	5982	16700	588	20000	588
M64	95	4000	5980	5350	5980	7150	5980 5982	6700	5980 5982	8950	5982	10700	5982	14300	5982	20100	588	24100	588
M68	100	4850	5980	6500	5980 5982	8650	5982	8100	5982	10800	5982	13000	5982	17300	588	24300	588	29100	588

Note: Torque values given are for guidance only, and are estimated with .125 friction factor.

Torque Control Impacttools

IR Torque Control Impacttools are designed for applications requiring fastener tightening control. The tools shut off automatically when preset torque levels are reached. Depending upon the model, built-in or detachable torsion bars sense torque levels, and signal a mechanical shut-off device to prevent over-torquing. These tools combine a ball and cam impact mechanism with a heavy-walled aluminum hammer case for maximum strength, minimum weight.



Torque Control Impacttools



● 5020TAL1-EU



★ 5040TDQ-EU

Equipment at Extra Price

Series 5020T and Model 5020TDQ-EU

- Torque setting clamp No. 5020T-951 (for Series 5020T only)
- Horizontal hanger:
 - One horizontal hanger No. 5020-366 – includes spacers & screws
 - Two horizontal hanger spacers No. 504-140
 - Two horizontal hanger cap screws No. 504-376A
- Vertical hanger No. 5020-365

Series 5040T and Model 5040TDQ-EU

- Vise-type torque setting jig No. 5040T-A951 (for Series 5040T only)
- Horizontal hanger:
 - One horizontal hanger No. 5040-366. Includes the following; Two horizontal hanger spacers No. 504-140 and two horizontal hanger cap screws No. 504-376A
- Vertical hanger No. 5040-365



▲ 5040TAL1-EU

Model	Drive Description	Torque Range		Type Torsion Bar	Free Speed rpm	Impacts per minute	Weight		Length		Side to Center Distance		CFM
		ft.-lb.	Nm				lb.	kg	in.	mm	in.	mm	
● 5020TAL1-EU	3/8" square	6-17	8-23	AB	1400	2100	4	1.81	9	229	1 1/16	27	10
5020TAH1-EU	3/8" square	10-30	13-40	AB	1400	2100	4	1.81	9	229	1 1/16	27	10
5020TDQ-EU	7/16" hex QC	10-30	13-40	NAD	1400	2100	4 3/16	1.9	11	279	1 1/16	27	10
▲ 5040TAL1-EU	1/2" square	20-45	27-61	AB	1500	2150	6 1/4	2.84	10 1/2	267	1 3/8	35	15
5040TAM1-EU	1/2" square	40-65	54-88	AB	1500	2150	6 1/4	2.84	10 1/2	267	1 3/8	35	15
5040TAH1-EU	1/2" square	60-90	81-122	AB	1500	2150	6 1/4	2.84	10 1/2	267	1 3/8	35	15
★ 5040TDQ-EU	7/16" hex QC	20-90	27-122	NAD	1500	2150	6 7/8	3.12	13 3/4	349	1 3/8	35	15

All of the above square drive Impacttools are furnished with pin-type retainer.

Series 5020 and 5040 Impacttools have 1/4" NPT air inlet; 1/4" (6 mm) size hose is recommended.

Performance figures are at 90 psi (620 kPa) air pressure.

AB = Adjustable, Built-in torsion bar. NAD = Non-adjustable, Detachable torsion bar.

Weights shown are with torsion bar, less socket. Weights of models with detachable torsion bars are with heaviest torsion bars. Lengths shown are with torsion bar, less socket.

Models ending in L1 are equipped with light torsion bar.

Models ending in M1 are equipped with medium torsion bar.

Models ending in H1 are equipped with heavy torsion bar.

Torque Control Impactools

Non-adjustable Detachable Torsion Bars and Kits for Models 5020TDQ and 5040TDQ

- No. 5040TDQ–KP637 torsion bar kit (consists of one each non-adjustable torsion bar with pin-type retainer and No. 5040TDQ–637 torsion bar case)

- No. 5040TDQ–KB637 torsion bar kit (consists of one each non-adjustable torsion bar with ball-type retainer and No. 5040TDQ–637 torsion bar case)

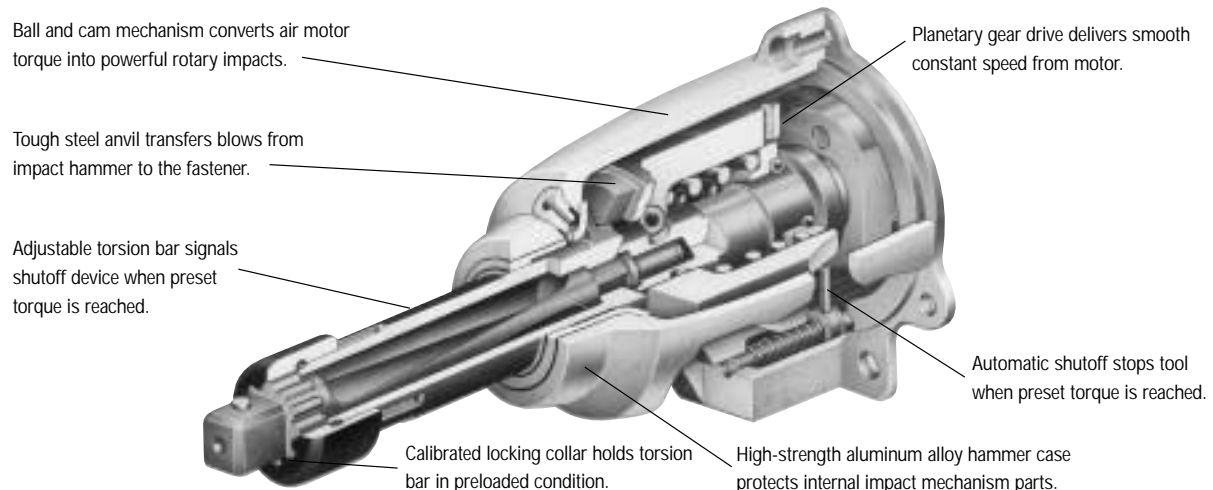
Torsion Bar Number		Model 5020TDQ		Model 5040TDQ		Color Code
With 1/2" Square Drive Pin-Type Retainer	With 1/2" Square Drive Ball-Type Retainer	Torque Range		Torque Range		
		ft.-lb.	Nm	ft.-lb.	Nm	
5040TDQ–P535–1	5040TDQ–B535–1	6-10	8.14-13.6	20-25	27.1-33.9	Red
5040TDQ–P535–2	5040TDQ–B535–2	8-12	10.8-16.3	22-30	29.8-40.7	Orange
5040TDQ–P535–3	5040TDQ–B535–3	10-14	13.6-19	25-35	33.9-47.5	Yellow
5040TDQ–P535–4	5040TDQ–B535–4	12-16	16.3-21.7	30-40	40.7-54.2	Green
5040TDQ–P535–5	5040TDQ–B535–5	14-18	19-24.4	35-45	47.5-61.0	Blue
5040TDQ–P535–6	5040TDQ–B535–6	16-20	16.3-27.1	40-50	54.2-67.8	Violet
5040TDQ–P535–7	5040TDQ–B535–7	18-22	24.4-29.8	45-55	61.0-74.6	Red
5040TDQ–P535–8	5040TDQ–B535–8	20-24	27.1-32.5	50-60	67.8-81.4	Orange
5040TDQ–P535–9	5040TDQ–B535–9	22-26	29.8-35.2	55-65	74.6-88.1	Yellow
5040TDQ–P535–10	5040TDQ–B535–10	24-28	32.5-38	60-75	81.3-101	Green
5040TDQ–P535–11	5040TDQ–B535–11	26-29	35.2-39.3	70-85	94.9-115	Violet
5040TDQ–P535–12	5040TDQ–B535–12	27-30	36.6-40.7	75-90	102-122	Blue

Torque Control Impactool Operation

The Torque Control Impactool converts the torque of the air motor into powerful rotary impacts when a certain resistance to turning is met. The Ingersoll-Rand principle of compressing a sturdy hammer spring and suddenly releasing this energy to strike a powerful rotary blow makes it possible to quickly and efficiently run fasteners.

The Torque Control Impactool also incorporates a torsion bar and an automatic shut-off valve. Torque control is obtained by preloading the torsion bar to the torque desired. When the resistance of the fastener being run becomes equal to the torque preloaded in the torsion bar, the extra clearance in the flutes of the locking collar allows the torsion bar to flex a few degrees beyond its original setting.

Acting like a spring, the torsion bar snaps back, supplying additional impetus to the hammer, causing the hammer to rebound higher and trip the automatic shut-off valve, instantly stopping the tool. By varying the setting of the torsion bar, using different torsion bars and/or different size tools, torques from 6 to 90 ft.-lbs. (8.14 to 122 Nm) can be accurately obtained time after time.



Accessories



The next several pages cover Impactool sockets and accessories, excerpted from the Ingersoll-Rand IRAX Accessories catalog (Form # 52225-G). These items are specifically designed to maximize the performance and versatility of your Impactools.

The selection presented here includes:

- Socket sets
- Power angle attachments
- Power driver extensions
- Power hex to square adapters
- Power socket adapters
- Individual sockets
- "O" rings and retaining pins
- One-piece socket retainers
- Power universal joints
- Power keyless chucks
- Power quick change chucks

Sockets

1- 4" Square Drive

Metric - Standard Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S62M4	4	A	13	7,6	4	23	RR10001
S62M45	4,5	A	13	8,2	5	23	RR10001
S62M55	5,5	A	13	9,5	5	23	RR10001
S62M6	6	A	13	10	6	23	RR10001
S62M7	7	A	13	11,3	6	23	RR10001
S62M8	8	A	13	12,5	7	23	RR10001
S62M9	9	B	13	13,8	7	23	RR10001
S62M10	10	B	13	15	7	23	RR10001
S62M11	11	B	13	16,3	8	23	RR10001
S62M12	12	B	13	17	8	23	RR10001
S62M13	13	B	13	18,8	8	23	RR10001
S62M14	14	B	13	20	8	23	RR10001

External Torx - Standard Length

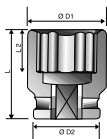
New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
SET2E4	E4	A	13	7,2	4	25	RR10001
SET2E5	E5	A	13	8	4,5	25	RR10001
SET2E6	E6	A	13	9	5	25	RR10001
SET2E7	E7	A	13	9,5	6	25	RR10001
SET2E8	E8	A	13	10	6	25	RR10001
SET2E10	E10	A	13	12,5	7,5	25	RR10001

SAE - Standard Length - 6 Point

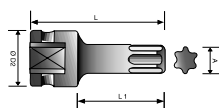
New IR Part Number	A/F (Inch)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S62H316	3/16	A	13	8,5	5	23	RR10001
S62H14	1/4	A	13	10,3	6	23	RR10001
S623H932	9/32	A	13	11,3	6	23	RR10001
S62H516	5/16	A	13	12,5	7	23	RR10001
S62H1132	11/32	B	13	13,8	7	23	RR10001
S62H38	3/8	B	13	15	7	23	RR10001
S62H716	7/16	B	13	16,3	8	23	RR10001
S62H12	1/2	B	13	18,8	8	23	RR10001
S62H916	9/16	B	13	20	8	23	RR10001

Internal Torx - Standard Length

New IR Part Number	Torx Size	D2 (mm)	L1 (mm)	L (mm)	Recommended Retainer Ring @extra price
SIT2T5	T5	13	21	35	RR10001
SIT2T6	T6	13	21	35	RR10001
SIT2T7	T7	13	21	35	RR10001
SIT2T8	T8	13	21	35	RR10001
SIT2T9	T9	13	21	35	RR10001
SIT2T10	T10	13	21	35	RR10001
SIT2T15	T15	13	21	35	RR10001
SIT2T20	T20	13	21	35	RR10001
SIT2T25	T25	13	21	35	RR10001
SIT2T27	T27	13	21	35	RR10001
SIT2T30	T30	13	21	35	RR10001



Socket 6/12 Point
Standard/ Deep Length/Thin Wall
Surface Drive External Torx



Internal Torx
standard Length

3- 8 " Square Drive

Metric - Standard Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S63M6	6	A	19	11	4	30	RR10003
S63M7	7	A	19	12,5	8	30	RR10003
S63M8	8	A	19	13,8	8	30	RR10003
S63M9	9	A	19	15	8	30	RR10003
S63M10	10	A	19	16	8	30	RR10003
S63M11	11	A	19	17,5	9	30	RR10003
S63M12	12	B	19	19	9	30	RR10003
S63M13	13	A	22	20	9	30	RR10003
S63M14	14	A	22	21	9	30	RR10003
S63M15	15	B	22	22	11	30	RR10003
S63M16	16	C	22	24	11	30	RR10003
S63M17	17	C	22	25	11	30	RR10003
S63M18	18	C	22	26	11	30	RR10003
S63M19	19	C	22	27,5	11	30	RR10003
S63M20	20	C	22	28	12	30	RR10003
S63M21	21	C	22	30	13	30	RR10003
S63M22	22	C	23	32	13	30	RR10003

SAE - Standard Length - 6 Point

New IR Part Number	A/F (Inch)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S63H14	1/4	A	19	11	4	30	RR10003
S63H516	5/16	A	19	12,5	8	30	RR10003
S63H38	3/8	A	19	14,5	8	30	RR10003
S63H716	7/16	A	19	17	9	30	RR10003
S63H12	1/2	B	19	19	9	30	RR10003
S63H916	9/16	B	20	20	9	30	RR10003
S63H58	5/8	B	24	24	11	30	RR10003
S63H1116	11/16	B	24	24	11	30	RR10003
S63H1316	13/16	B	28	28	13	30	RR10003

Metric - Standard Deep- 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S63M7L	7	A	19	12,5	12	65	RR10003
S63M8L	8	A	19	13,8	12	65	RR10003
S63M9L	9	A	19	15	12	65	RR10003
S63M10L	10	A	19	16	12	65	RR10003
S63M11L	11	A	19	17,5	25	65	RR10003
S63M12L	12	B	19	19	25	65	RR10003
S63M13L	13	A	22	20	25	65	RR10005
S63M14L	14	A	22	21	25	65	RR10005
S63M15L	15	B	22	22	25	65	RR10005
S63M16L	16	C	22	24	25	65	RR10005
S63M17L	17	C	22	25	25	65	RR10005
S63M18L	18	C	22	26	25	65	RR10005
S63M19L	19	C	22	27,5	25	65	RR10005
S63M20L	20	C	22	28	25	65	RR10005
S63M21L	21	C	22	30	25	65	RR10005
S63M22L	22	C	23	32	25	65	RR10006

3- 8 " Square Drive

Metric - Hexagonal Driver

New IR Part Number	A/F (mm)	D2 (mm)	L1 (mm)	L (mm)	Recommended Retainer Ring @extra price
SH3M3	3	19	16	50	RR10003
SH3M4	4	19	16	50	RR10003
SH3M5	5	19	16	50	RR10003
SH3M6	6	19	16	50	RR10003
SH3M8	8	19	16	50	RR10003
SH3M10	10	19	16	50	RR10003
SH3M11	11	19	16	50	RR10003
SH3M12	12	19	16	50	RR10003
SH3M14	14	19	16	50	RR10003

Internal Torx - Standard Length

New IR Part Number	Torx Size	D2 (mm)	L1 (mm)	L (mm)	Recommended Retainer Ring @extra price
SIT3T9	T9	19	31	50	RR10003
SIT3T10	T10	19	31	50	RR10003
SIT3T15	T15	19	31	50	RR10003
SIT3T20	T20	19	31	50	RR10003
SIT3T25	T25	19	31	50	RR10003
SIT3T27	T27	19	31	50	RR10003
SIT3T30	T30	19	31	50	RR10003
SIT3T40	T40	19	31	50	RR10003
SIT3T45	T45	19	31	50	RR10003
SIT3T47	T47	19	31	50	RR10003
SIT3T50	T50	19	31	50	RR10003

SAE - Deep Length - 6 Point

New IR Part Number	A/F (Inch)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S63H516L	5/ 16	A	19	12,5	12	65	RR10003
S63H38L	3/ 8	A	19	14,5	12	65	RR10003
S63H716L	7/ 16	A	19	17	25	65	RR10003
S63H12L	1/ 2	B	19	19	25	65	RR10003
S63H916L	9/ 16	B	20	20	25	65	RR10004
S63H58L	5/ 8	B	24	24	25	65	RR10006
S63H1116L	11/ 16	B	24	24	25	65	RR10006
S63H1316L	13/ 16	B	28	28	25	65	RR10008

External Torx - Standard Length

New IR Part Number	Torx Size	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
SET3E5	E5	A	19	9	4,5	32	RR10003
SET3E6	E6	A	19	10	5	32	RR10003
SET3E7	E7	A	19	10	6	32	RR10003
SET3E8	E8	A	19	10,5	6	32	RR10003
SET3E10	E10	A	19	12,5	7,5	32	RR10003
SET3E12	E12	A	19	15	8,5	32	RR10003
SET3E14	E14	A	19	17,5	10	32	RR10003
SET3E16	E16	B	19	19	11	32	RR10003

Metric - Surface Drive - Standard Length

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
SD3M8	8	A	19	13,8	8	32	RR10003
SD3M10	10	A	19	16	8	32	RR10003
SD3M13	13	A	22	20	9	32	RR10005
SD3M16	16	C	22	24	11	32	RR10005
SD3M17	17	C	22	25	11	32	RR10005
SD3M18	18	C	22	26	11	32	RR10005
SD3M19	19	C	22	28	11	32	RR10005

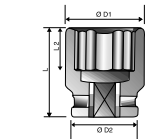
SAE - Surface Drive - Standard Length

New IR Part Number	A/F (Inch)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
SD3H38	3/ 8	A	19	15,5	8	32	RR10003
SD3H716	7/ 16	A	19	17,5	9	32	RR10003
SD3H12	1/ 2	A	22	20	9	32	RR10005
SD3H916	9/ 16	B	22	22	11	32	RR10005
SD3H58	5/ 8	C	22	24	11	32	RR10005
SD3H1116	11/ 16	C	22	26	11	32	RR10005
SD3H34	3/ 4	C	22	28	11	32	RR10005

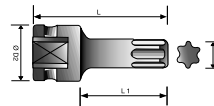
1- 2" Square Drive

SAE - Standard Length - 6 Point

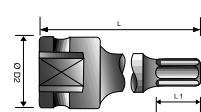
New IR Part Number	A/F (Inch)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S64H38	3/ 8	A	22	16	12	38	RR10005
S64H716	7/ 16	A	22	18	12	38	RR10005
S64H12	1/ 2	A	22	20	12	38	RR10005
S64H916	9/ 16	A	24	22	12	38	RR10006
S64H58	5/ 8	B	25	25	12	38	RR10007
S64H1116	11/ 16	B	26	26	13	38	RR10007
S64H34	3/ 4	B	28	28	13	38	RR10008
S64H1316	13/ 16	B	30	30	13	38	RR10008
S64H78	7/ 8	B	32	32	13	38	RR10005S
S64H1516	15/ 16	B	34	34	13	38	RR10009
S64H1	1	B	36	36	14	38	RR10032S
S64H1- 116	1 1/ 16	B	38	38	16	40	RR10010
S64H1- 18	1 1/ 8	C	38	40	16	40	RR10010
S64H1- 14	1 1/ 4	C	38	44	18	40	RR10010



Socket 6/12 Point
Standard/Deep Length/Thin Wall
Surface Drive External Torx



Internal Torx
standard Length



Hexagonal Driver

Sockets

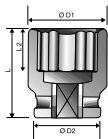
1- 2" Square Drive

Metric - Standard Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S64M8	8	A	25	15	9	38	RR10007
S64M9	9	A	25	16	12	38	RR10007
S64M10	10	A	25	17,5	12	38	RR10007
S64M11	11	A	25	18,7	12	38	RR10007
S64M12	12	A	25	20	12	38	RR10007
S64M13	13	A	25	21	12	38	RR10007
S64M14	14	A	25	22,5	12	38	RR10007
S64M15	15	A	30	23,7	12	38	RR10008
S64M16	16	A	30	25	12	38	RR10008
S64M17	17	A	30	26	13	38	RR10008
S64M18	18	A	30	27,5	13	38	RR10008
S64M19	19	A	30	28,7	13	38	RR10008
S64M20	20	B	30	30	13	38	RR10008
S64M21	21	B	30	30	13	38	RR10008
S64M22	22	C	30	32	13	38	RR10008
S64M23	23	C	30	32	13	38	RR10008
S64M24	24	C	30	5	20	45	RR10008
S64M25	25	C	30	36	20	45	RR10008
S64M26	26	C	30	38	22	50	RR10008
S64M27	27	C	30	38,7	22	50	RR10008
S64M28	28	C	30	40	22	50	RR10008
S64M29	29	C	30	40	22	50	RR10008
S64M30	30	C	30	42	22	50	RR10008
S64M32	32	C	30	44	28	50	RR10008
S64M33	33	C	30	45	28	50	RR10008
S64M36	36	C	30	49	28	50	RR10008

Metric - Standard Length - 12 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S124M10	10	A	24	17	12	38	RR10006
S124M11	11	A	24	18	12	38	RR10006
S124M12	12	A	24	19	12	38	RR10006
S124M13	13	A	24	20	12	38	RR10006
S124M14	14	A	24	22	12	38	RR10006
S124M15	15	B	24	24	12	38	RR10006
S124M16	16	B	24	24	12	38	RR10006
S124M17	17	B	26	26	13	38	RR10007
S124M18	18	B	26	26	13	38	RR10007
S124M19	19	B	28	28	13	38	RR10008
S124M21	21	B	30	30	13	38	RR10008
S124M22	22	B	32	32	13	38	RR10005S
S124M23	23	B	32	32	13	38	RR10005S
S124M24	24	B	34	34	19	45	RR10009



Socket 6/12 Point
Standard/ Deep Length/Thin Wall
Surface Drive External Torx

Metric - Deep Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S64M8L	8	A	25	15	13	78	RR10007
S64M9L	9	A	25	16	14	78	RR10007
S64M10L	10	A	25	17,5	14	78	RR10007
S64M11L	11	A	25	18,7	14	78	RR10007
S64M12L	12	A	25	20	14	78	RR10007
S64M13L	13	A	25	21	14	78	RR10007
S64M14L	14	A	25	22,5	17	78	RR10007
S64M15L	15	A	30	23,7	17	78	RR10008
S64M16L	16	A	30	25	17	78	RR10008
S64M17L	17	A	30	26	17	78	RR10008
S64M18L	18	A	30	27,5	17	78	RR10008
S64M19L	19	A	30	28,7	19	78	RR10008
S64M20L	20	B	30	30	19	78	RR10008
S64M21L	21	B	30	30	24	78	RR10008
S64M22L	22	C	30	32	24	78	RR10008
S64M23L	23	C	30	32	24	78	RR10008
S64M24L	24	C	30	35	24	78	RR10008
S64M25L	25	C	30	36	24	78	RR10008
S64M26L	26	C	30	38	24	78	RR10008
S64M27L	27	C	30	38,7	54	78	RR10008
S64M28L	28	C	30	40	54	78	RR10008
S64M29L	29	C	30	40	54	78	RR10008
S64M30L	30	C	30	42	54	78	RR10008
S64M32L	32	C	30	44	54	78	RR10008
S64M33L	33	C	30	45	54	78	RR10008
S64M35L	35	C	30	47	54	78	RR10008
S64M36L	36	C	30	49	54	78	RR10008

SAE - Deep Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S64H38L	3/8	A	22	16	14	78	RR10005
S64H716L	7/16	A	22	18	14	78	RR10005
S64H12L	1/2	A	22	20	14	78	RR10005
S64H916L	9/16	A	24	22	17	78	RR10006
S64H58L	5/8	B	24	24	17	78	RR10006
S64H1116L	11/16	B	26	26	17	78	RR10007
S64H1316L	13/16	B	30	30	24	78	RR10008
S64H78L	7/8	B	32	32	24	78	RR10005S
S64H1516L	15/16	B	34	34	24	78	RR10009
S64H1L	1	B	36	36	24	78	RR10032S
S64H1- 18L	1 1/8	C	38	40	54	78	RR10010

External Torx - Standard Length

New IR Part Number	Torx Size	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
SET4E10	E10	A	25	15	7,5	38	RR10007
SET4E12	E12	A	25	16	8,5	38	RR10007
SET4E14	E14	A	25	18,5	10	38	RR10007
SET4E16	E16	A	25	20	11	38	RR10007
SET4E18	E18	A	25	22	12	38	RR10007
SET4E20	E20	A	30	25	13,5	38	RR10008
SET4E22	E22	A	30	26,5	18	45	RR10008
SET4E24	E24	A	30	28,5	18	45	RR10008

1- 2" Square Drive

Metric - Hexagonal Driver

New IR Part Number	A/F (mm)	D2 (mm)	L1 (mm)	L (mm)	Recommended Retainer Ring @extra price
SH4M4	4	25	20	75	RR10007
SH4M5	5	25	20	75	RR10007
SH4M6	6	25	20	75	RR10007
SH4M8	8	25	25	75	RR10007
SH4M10	10	25	25	75	RR10007
SH4M11	11	25	25	75	RR10007
SH4M12	12	25	25	75	RR10007
SH4M14	14	25	25	75	RR10007
SH4M17	17	25	25	75	RR10007
SH4M19	19	25	25	75	RR10007

Metric - Thin Wall - Deep Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S6T4M10L	10	A	22	15,5	14	78	RR10005
S6T4M11L	11	A	22	16,7	14	78	RR10005
S6T4M12L	12	A	22	18	14	78	RR10005
S6T4M13L	13	A	24	19,2	14	78	RR10006
S6T4M14L	14	A	24	21	17	78	RR10006
S6T4M15L	15	A	24	21,7	17	78	RR10006
S6T4M16L	16	A	24	23	17	78	RR10006
S6T4M17L	17	B	24	24	17	78	RR10006
S6T4M18L	18	B	25	25	17	78	RR10007
S6T4M19L	19	B	26	26	19	78	RR10007
S6T4M21L	21	B	27,5	28	24	78	RR10008
S6T4M22L	22	B	29,5	29,5	24	78	RR10008
S6T4M23L	23	B	30,5	30,5	24	78	RR10008
S6T4M24L	24	B	32	32	24	78	RR10005S
S6T4M27L	27	B	36	36	24	78	RR10032S
S6T4M30L	30	C	38	40	54	78	RR10010
S6T4M32L	32	C	38	42	54	78	RR10010

Internal Torx - Standard Length

New IR Part Number	Torx Size	D2 (mm)	L1 (mm)	L (mm)	Recommended Retainer Ring @extra price
SIT4T20	T20	25	30	55	RR10007
SIT4T25	T25	25	30	55	RR10007
SIT4T27	T27	25	30	55	RR10007
SIT4T30	T30	25	30	55	RR10007
SIT4T40	T40	25	30	55	RR10007
SIT4T45	T45	25	30	55	RR10007
SIT4T47	T47	25	30	55	RR10007
SIT4T50	T50	25	30	55	RR10007
SIT4T55	T55	25	30	55	RR10007
SIT4T60	T60	25	30	55	RR10007
SIT4T70	T70	25	30	55	RR10007

Metric - Surface Drive - Standard Length

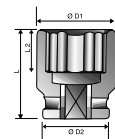
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SD4M10	10	A	25	17,5	12	38	RR10007
SD4M11	11	A	25	18,7	12	38	RR10007
SD4M13	13	A	25	21	12	38	RR10007
SD4M15	15	A	30	23,7	12	38	RR10008
SD4M16	16	A	30	25	12	38	RR10008
SD4M17	17	A	30	26	13	38	RR10008
SD4M18	18	A	30	27,5	13	38	RR10008
SD4M19	19	A	30	28,7	13	38	RR10008
SD4M21	21	B	30	30	13	38	RR10008
SD4M22	22	C	30	32	13	38	RR10008
SD4M24	24	C	30	35	20	45	RR10008
SD4M27	27	C	30	38,7	22	50	RR10008
SD4M30	30	C	30	42	22	50	RR10008
SD4M32	32	C	30	44	22	50	RR10008

SAE - Surface Drive - Standard Length

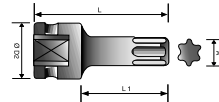
New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
SD4H38	3/8	A	25	17	12	38	RR10007
SD4H716	7/16	A	25	18,7	12	38	RR10007
SD4H12	1/2	A	25	21	12	38	RR10007
SD4H916	9/16	A	25	23	12	38	RR10007
SD4H58	5/8	A	30	25	12	38	RR10008
SD4H1116	11/16	A	30	27	13	38	RR10008
SD4H34	3/4	A	30	28,7	13	38	RR10008
SD4H1316	13/16	B	30	30	13	38	RR10008
SD4H78	7/8	C	30	32	13	38	RR10008
SD4H1516	15/16	C	30	35	20	45	RR10008

Metric - Surface Drive - Deep Length

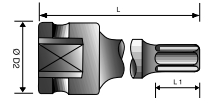
New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
SD4M16L	16	A	30	25	17	83	RR10008
SD4M17L	17	A	30	26	17	83	RR10008
SD4M18L	18	A	30	27,5	17	83	RR10008
SD4M19L	19	A	30	28,7	19	83	RR10008
SD4M21L	21	B	30	30	24	83	RR10008
SD4M22L	22	C	30	32	24	90	RR10008
SD4M24L	24	C	30	35	24	90	RR10008



Socket 6/12 Point
Standard/ Deep Length/Thin Wall
Surface Drive External Torx



Internal Torx
standard Length



Hexagonal Driver

Sockets

3-4" Square Drive

Metric - Standard Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S66M17	17	A	44	31	12	50	RR10008S
S66M18	18	A	44	32	12	50	RR10008S
S66M19	19	A	44	33	14	50	RR10008S
S66M21	21	A	44	35	16	50	RR10008S
S66M22	22	A	44	37	16	50	RR10008S
S66M23	23	A	44	38	16	50	RR10008S
S66M24	24	A	44	39	16	50	RR10008S
S66M25	25	A	44	40	16	50	RR10008S
S66M26	26	A	44	41	16	50	RR10008S
S66M27	27	A	44	43	16	54	RR10008S
S66M28	28	B	44	44	23	54	RR10008S
S66M29	29	C	44	45	23	54	RR10008S
S66M30	30	C	44	47	23	54	RR10008S
S66M31	31	C	44	48	23	56	RR10008S
S66M32	32	C	44	49	23	56	RR10008S
S66M33	33	C	44	51	23	56	RR10008S
S66M34	34	C	44	52	23	56	RR10008S
S66M35	35	C	44	53	23	56	RR10008S
S66M36	36	C	44	54	23	56	RR10008S
S66M37	37	C	44	56	24	58	RR10008S
S66M38	38	C	44	57	24	58	RR10008S
S66M40	40	C	44	58	24	58	RR10008S
S66M41	41	C	44	60	24	58	RR10008S
S66M42	42	C	44	62	24	58	RR10008S
S66M43	43	C	44	63	27	63	RR10008S
S66M46	46	C	44	67	27	63	RR10008S
S66M50	50	C	44	71	35	72	RR10008S

Metric - Thin Wall - Deep Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S6T6M17L	17	A	44	25,5	17	95	RR10008S
S6T6M19L	19	A	44	28,5	17	95	RR10008S
S6T6M22L	22	A	44	33,5	23	95	RR10008S
S6T6M24L	24	A	44	36,5	40	95	RR10008S
S6T6M27L	27	A	44	40,5	62	95	RR10008S
S6T6M30L	30	A	44	43,5	62	95	RR10008S
S6T6M32L	32	B	44	46,5	62	95	RR10008S
S6T6M33L	33	B	44	47,5	62	95	RR10008S
S6T6M36L	36	B	44	52	62	95	RR10008S

Metric - Double Square 8 Point - Standard Length

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
SD6M19	19	A	41	41	15	52	RR10034S
SD6M24	24	B	44,5	46	20	52	RR10008S
SD6M27	27	B	44,5	53	24	56	RR10008S
SD6M30	30	B	44,5	60	28	60	RR10008S
SD6M32	32	B	44,5	60	28	60	RR10008S
SD6M38	38	B	44,5	70	32	64	RR10008S

SAE - Deep Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S66H58L	5/8	A	38	27,5	20	85	RR10010
S66H1116L	1 1/16	A	38	29	20	85	RR10010
S66H34L	3/4	A	38	30	23	85	RR10010
S66H1316L	1 3/16	A	38	32	23	85	RR10010
S66H78L	7/8	A	38	34	23	85	RR10010
S66H1516L	1 5/16	A	38	36	41	85	RR10010
S66H1L	1	C	38	40	41	85	RR10010
S66H1-116L	1 1/16	C	38	40	52	85	RR10010
S66H1-18L	1 1/8	B	42	42	52	85	RR10034S
S66H1-14L	1 1/4	C	44	49	52	85	RR10008S
S66H1-516L	1 5/16	C	44	50	52	85	RR10008S
S66H1-716L	1 7/16	C	44	51	52	85	RR10008S
S66H1-12L	1 1/2	C	44	57	60	95	RR10008S
S66H1-58L	1 5/8	C	44	60	60	95	RR10008S

SAE - Standard Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S66H916	9/16	A	38	25,5	12	50	RR10010
S66H58	5/8	A	38	27,5	12	50	RR10010
S66H1116	1 1/16	A	38	29	12	50	RR10010
S66H34	3/4	A	38	30	14	50	RR10010
S66H1316	1 3/16	A	38	32	16	52	RR10010
S66H78	7/8	A	38	34	16	52	RR10010
S66H1516	1 5/16	A	38	36	16	52	RR10010
S66H1	1	C	38	40	16	52	RR10010
S66H1-116	1 1/16	C	38	40	16	52	RR10010
S66H1-18	1 1/8	B	42	42	20	52	RR10034S
S66H1-14	1 1/4	B	44	44	20	52	RR10008S
S66H1-516	1 5/16	C	44	47	23	56	RR10008S
S66H1-38	1 3/8	C	44	50	23	56	RR10008S
S66H1-716	1 7/16	C	44	51	23	56	RR10008S
S66H1-12	1 1/2	C	44	53	23	56	RR10008S
S66H1-58	1 5/8	C	44	58	27	62	RR10008S

Metric - Hexagonal Driver

New IR Part Number	A/F (mm)	D2 (mm)	L1 (mm)	L (mm)	Recommended Retainer Ring @extra price
SIT4T20	T20	25	30	55	RR10007
SIT4T25	T25	25	30	55	RR10007
SIT4T27	T27	25	30	55	RR10007
SIT4T30	T30	25	30	55	RR10007
SIT4T40	T40	25	30	55	RR10007
SIT4T45	T45	25	30	55	RR10007
SIT4T47	T47	25	30	55	RR10007
SIT4T50	T50	25	30	55	RR10007
SIT4T55	T55	25	30	55	RR10007
SIT4T60	T60	25	30	55	RR10007
SIT4T70	T70	25	30	55	RR10007

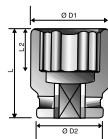
1" Square Drive

Metric - Standard Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S68M19	19	A	54	35,5	17	58	RR10015S
S68M21	21	A	54	37,5	17	58	RR10015S
S68M22	22	A	54	40	17	58	RR10015S
S68M23	23	A	54	41	17	58	RR10015S
S68M24	24	A	54	42	17	58	RR10015S
S68M25	25	A	54	43	17	58	RR10015S
S68M26	26	A	54	44,5	17	58	RR10015S
S68M27	27	A	54	46	17	58	RR10015S
S68M28	28	A	54	47	17	58	RR10015S
S68M29	29	A	54	48	19	60	RR10015S
S68M30	30	A	54	50	21	60	RR10015S
S68M32	32	A	54	52	21	60	RR10015S
S68M33	33	A	54	53	21	60	RR10015S
S68M34	34	B	54	55	21	62	RR10015S
S68M35	35	B	54	55	21	62	RR10015S
S68M36	36	B	54	56	30	65	RR10015S
S68M38	38	B	54	59	30	65	RR10015S
S68M40	40	B	54	62	31	67	RR10015S
S68M41	41	B	54	63	31	67	RR10015S
S68M42	42	B	54	64	36	74	RR10015S
S68M45	45	B	54	68	36	74	RR10015S
S68M46	46	B	54	69	36	74	RR10015S
S68M48	48	B	54	73	36	74	RR10015S
S68M50	50	B	54	74	42	80	RR10015S
S68M52	52	B	54	77	44	84	RR10015S
S68M54	54	B	54	79	44	84	RR10015S
S68M55	55	B	54	80	44	84	RR10015S
S68M56	56	B	54	81	44	84	RR10015S
S68M58	58	B	54	84	44	87	RR10015S
S68M60	60	B	54	86	44	87	RR10015S
S68M65	65	B	54	92	46	90	RR10015S
S68M70	70	B	54	99	51	96	RR10015S
S68M75	75	B	86	104	52	98	RR10025S
S68M80	80	B	86	109	52	100	RR10025S
S68M85	85	B	86	115	52	100	RR10025S
S68M90	90	B	86	119	55	105	RR10025S
S68M95	95	B	86	130	55	105	RR10025S

SAE - Standard Length - 6 Point

New IR Part Number	A/F (Inch)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S68H1316	13/16	A	51	38	17	58	RR10010S
S68H78	7/8	A	51	39	17	58	RR10010S
S68H1516	15/16	A	51	40	17	58	RR10010S
S68H1	1	A	51	42	17	58	RR10010S
S68H1-116	1 1/16	A	51	44	17	58	RR10010S
S68H1-18	1 1/8	A	51	46	19	58	RR10010S
S68H1-14	1 1/4	B	51	51	21	60	RR10010S
S68H1-516	1 5/16	C	52	53	21	62	RR10010S
S68H1-716	1 7/16	C	52	56	26	62	RR10010S
S68H1-12	1 1/2	C	52	58	26	62	RR10010S
S68H1-916	1 9/16	C	52	60	26	62	RR10010S
S68H1-58	1 5/8	C	52	61,5	26	62	RR10010S
S68H1-1116	1 11/16	C	52	65	27	64	RR10015S
S68H1-34	1 3/4	C	58	66	27	64	RR10015S
S68H1-1316	1 13/16	C	58	68	27	64	RR10015S
S68H1-78	1 7/8	C	58	70	28	66	RR10015S
S68H1-1516	1 15/16	C	58	72	28	68	RR10015S
S68H2	2	C	58	74	31	70	RR10015S
S68H2-116	2 1/16	C	58	75	31	70	RR10015S
S68H2-18	2 1/8	C	58	78	31	70	RR10015S
S68H2-316	2 3/16	C	62	80	32	72	RR10017S
S68H2-14	2 1/4	C	62	84	34	75	RR10017S
S68H2-516	2 5/16	C	62	86	34	75	RR10017S
S68H2-38	2 3/8	C	62	87	35	78	RR10017S
S68H2-716	2 7/16	C	62	89	35	78	RR10017S
S68H2-12	2 1/2	C	62	91	36	80	RR10017S
S68H2-58	2 5/8	C	2	95	38	82	RR10017S
S68H2-1116	2 11/16	C	62	97	38	82	RR10017S
S68H2-1316	2 13/16	C	62	100	40	87	RR10017S
S68H2-78	2 7/8	C	62	102	41	87	RR10017S
S68H2-1516	2 15/16	C	86	104	48	95	RR10025S
S68H3	3	C	86	106	52	98	RR10025S
S68H3-18	3 1/8	C	86	109	52	100	RR10025S
S68H3-14	3 1/4	C	86	113	52	100	RR10025S
S68H3-38	3 3/8	C	86	115	52	100	RR10025S
S68H3-12	3 1/2	C	86	125	52	105	RR10025S



Socket 6/12 Point
Standard/ Deep Length/Thin Wall
Surface Drive External Torx

Sockets

1" Square Drive

Metric - Deep Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S68M19L	19	A	54	35,5	21	100	RR10015S
S68M21L	21	A	54	37,5	21	100	RR10015S
S68M22L	22	A	54	40	21	100	RR10015S
S68M23L	23	A	54	41	21	100	RR10015S
S68M24L	24	A	54	42	21	100	RR10015S
S68M25L	25	A	54	43	21	100	RR10015S
S68M26L	26	A	54	44,5	21	100	RR10015S
S68M27L	27	A	54	46	23	100	RR10015S
S68M28L	28	A	54	47	23	100	RR10015S
S68M29L	29	A	54	48	50	100	RR10015S
S68M30L	30	A	54	50	50	100	RR10015S
S68M32L	32	A	54	52	50	100	RR10015S
S68M33L	33	A	54	53	50	100	RR10015S
S68M34L	34	B	54	55	50	100	RR10015S
S68M35L	35	B	54	55	50	100	RR10015S
S68M36L	36	B	54	56	64	100	RR10015S
S68M37L	37	B	54	59	64	100	RR10015S
S68M38L	38	B	54	59	64	100	RR10015S
S68M40L	40	B	54	62	64	100	RR10015S
S68M41L	41	B	54	63	64	100	RR10015S
S68M42L	42	B	54	64	64	100	RR10015S
S68M45L	45	B	54	68	62	100	RR10015S
S68M46L	46	B	54	69	62	100	RR10015S
S68M48L	48	B	54	73	62	100	RR10015S
S68M50L	50	B	54	74	62	100	RR10015S
S68M52L	52	B	54	77	60	100	RR10015S
S68M54L	54	B	54	79	60	100	RR10015S
S68M55L	55	B	54	80	60	100	RR10015S
S68M58L	58	B	54	84	65	105	RR10015S
S68M60L	60	B	54	86	77	120	RR10015S
S68M65L	65	B	54	92	80	125	RR10015S
S68M70L	70	B	54	99	80	125	RR10015S
S68M75L	75	B	86	104	87	135	RR10025S
S68M80L	80	B	86	109	87	135	RR10025S
S68M85L	85	B	86	115	90	140	RR10025S
S68M90L	90	B	86	125	90	140	RR10025S
S68M95L	95	B	86	130	90	140	RR10025S

Metric - Thin Wall - Deep Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S6T8M24L	24	A	54	38	21	100	RR10015S
S6T8M27L	27	A	54	42,5	23	100	RR10015S
S6T8M29L	29	A	54	44	24	100	RR10015S
S6T8M30L	30	A	54	45	50	100	RR10015S
S6T8M32L	32	A	54	47	50	100	RR10015S
S6T8M33L	33	A	54	49	50	100	RR10015S
S6T8M36L	36	A	54	52	64	100	RR10015S
S6T8M38L	38	A	54	54	60	100	RR10015S

SAE - Deep Length - 6 Point

New IR Part Number	A/F (Inch)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S68H1316L	13/16	A	51	38	21	90	RR10010S
S68H1516L	15/16	A	51	40	21	90	RR10010S
S68H1L	1	A	51	42	21	90	RR10010S
S68H1-116L	1 1/16	A	51	44	23	90	RR10010S
S68H1-18L	1 1/8	A	51	46	40	90	RR10010S
S68H1-14L	1 1/4	B	51	51	40	90	RR10010S
S68H1-516L	1 5/16	C	52	53	40	90	RR10010S
S68H1-716L	1 7/16	C	52	56	54	90	RR10010S
S68H1-12L	1 1/2	C	52	58	54	92	RR10010S
S68H1-916L	1 9/16	C	52	60	54	92	RR10010S
S68H1-58L	1 5/8	C	52	61,5	54	92	RR10010S
S68H1-34L	1 3/4	C	58	66	54	92	RR10015S
S68H1-1316L	1 13/16	C	58	68	54	92	RR10015S
S68H1-78L	1 7/8	C	58	70	54	92	RR10015S
S68H1-1516L	1 15/16	C	58	72	54	92	RR10015S
S68H2L	2	C	58	74	54	95	RR10015S
S68H2-18L	2 1/8	C	58	78	60	100	RR10015S
S68H2-316L	2 3/16	C	62	80	60	100	RR10017S
S68H2-14L	2 1/4	C	62	84	60	100	RR10017S
S68H2-38L	2 3/8	C	62	87	62	105	RR10017S

1-1/2" Square Drive

Metric - Standard Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S612M41	41	A	86	70	26	80	RR10025S
S612M42	42	A	86	71	26	80	RR10025S
S612M46	46	A	86	76	27	84	RR10025S
S612M47	47	A	86	77	29	84	RR10025S
S612M50	50	A	86	81	29	87	RR10025S
S612M52	52	A	86	83	31	87	RR10025S
S612M54	54	B	86	86	36	90	RR10025S
S612M55	55	B	86	86	36	90	RR10025S
S612M56	56	B	86	86	38	92	RR10025S
S612M58	58	C	86	92	38	92	RR10025S
S612M60	60	C	86	93	38	92	RR10025S
S612M65	65	C	86	97	40	95	RR10025S
S612M70	70	C	86	105	43	100	RR10025S
S612M75	75	C	86	110	45	103	RR10025S
S612M80	80	C	86	116	50	110	RR10025S
S612M85	85	C	86	125	55	118	RR10025S
S612M90	90	C	86	130	55	118	RR10025S
S612M95	95	C	95	137	55	118	RR10030S
S612M100	100	C	95	140	58	125	RR10030S
S612M105	105	C	95	150	58	125	RR10030S
S612M110	110	C	95	156	58	125	RR10030S
S612M115	115	C	95	160	65	135	RR10030S
S612M120	120	C	95	168	65	135	RR10030S
S612M125	125	C	95	175	65	135	RR10030S

1-1/2" Square Drive

SAE - Standard Length - 6 Point

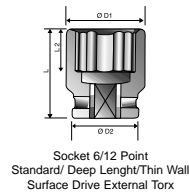
New IR Part Number	A/F (Inch)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S612H1- 38	1 3/ 8	A	86	62	23	78	RR10025S
S612H1- 716	1 7/ 16	A	86	64	23	78	RR10025S
S612H1- 12	1 1/ 2	A	86	66	24	78	RR10025S
S612H1- 916	1 9/ 16	A	86	68	24	78	RR10025S
S612H1- 58	1 5/ 8	A	86	70	26	80	RR10025S
S612H1- 34	1 3/ 4	A	86	75	27	84	RR10025S
S612H1- 78	1 7/ 8	A	86	78	29	84	RR10025S
S612H1- 1516	1 15/ 16	A	86	80	29	87	RR10025S
S612H2	2	A	86	82	29	87	RR10025S
S612H2- 116	2 1/ 16	A	86	83	30	87	RR10025S
S612H2- 18	2 1/ 8	B	86	86	36	90	RR10025S
S612H2- 316	2 3/ 16	B	86	86	36	90	RR10025S
S612H2- 14	2 1/ 4	B	86	86	38	92	RR10025S
S612H2- 516	2 5/ 16	C	86	92	38	92	RR10025S
S612H2- 38	2 3/ 8	C	86	93	38	92	RR10025S
S612H2- 716	2 7/ 16	C	86	96	40	95	RR10025S
S612H2- 12	2 1/ 2	C	86	97	40	95	RR10025S
S612H2- 58	2 5/ 8	C	86	103	43	100	RR10025S
S612H2- 1116	2 11/ 16	C	86	104	43	100	RR10025S
S612H2- 1316	2 13/ 16	C	86	108	45	103	RR10025S
S612H2- 78	2 7/ 8	C	86	108	45	103	RR10025S
S612H2- 1516	2 15/ 16	C	86	110	45	103	RR10025S
S612H3	3	C	86	110	45	103	RR10025S
S612H3- 116	3 1/ 16	C	86	115	50	110	RR10025S
S612H3- 18	3 1/ 8	C	86	116	50	110	RR10025S
S612H3- 316	3 3/ 16	C	86	125	50	110	RR10025S
S612H3- 14	3 1/ 4	C	86	125	50	110	RR10025S
S612H3- 516	3 5/ 16	C	86	125	55	118	RR10025S
S612H3- 12	3 1/ 2	C	86	130	55	118	RR10025S
S612H3- 916	3 9/ 16	C	86	130	55	118	RR10025S
S612H3- 58	3 5/ 8	C	86	130	55	118	RR10025S
S612H3- 1116	3 11/ 16	C	86	130	55	118	RR10025S
S612H3- 1316	3 13/ 16	C	95	140	58	125	RR10030S
S612H3- 78	3 7/ 8	C	95	140	58	125	RR10030S
S612H3- 1516	3 15/ 16	C	95	140	58	125	RR10030S
S612H4	4	C	95	140	58	125	RR10030S
S612H4- 116	4 1/ 16	C	95	146	58	125	RR10030S
S612H4- 316	4 3/ 16	C	95	150	58	125	RR10030S
S612H4- 14	4 1/ 4	C	95	50	58	125	RR10030S
S612H4- 516	4 5/ 16	C	95	156	58	125	RR10030S
S612H4- 38	4 3/ 8	C	95	160	58	125	RR10030S
S612H4- 716	4 7/ 16	C	95	160	58	125	RR10030S
S612H4- 12	4 1/ 2	C	95	160	65	135	RR10030S
S612H4- 58	4 5/ 8	C	95	165	65	135	RR10030S
S612H4- 34	4 3/ 4	C	95	168	65	135	RR10030S

SAE - Deep Length - 6 Point

New IR Part Number	A/F (Inch)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S612H1- 58L	1 5/ 8	A	86	72	30	115	RR10025S
S612H1- 1116L	111/ 16	A	86	74	34	115	RR10025S
S612H1- 34L	1 3/ 4	A	86	75	34	115	RR10025S
S612H1- 1516L	115/ 16	A	86	81	36	115	RR10025S
S612H2L	2	A	86	83	36	135	RR10025S
S612H2- 116L	2 1/ 16	A	86	84	39	140	RR10025S
S612H2- 18L	2 1/ 8	B	86	86	39	140	RR10025S
S612H2- 316L	2 3/ 16	C	86	88	39	140	RR10025S
S612H2- 14L	2 1/ 4	C	86	90	41	150	RR10025S
S612H2- 516L	2 5/ 16	C	86	92	41	150	RR10025S
S612H2- 38L	2 3/ 8	C	86	94	43	150	RR10025S
S612H2- 716L	2 7/ 16	C	86	96	43	150	RR10025S
S612H2- 12L	2 1/ 2	C	86	98	43	150	RR10025S
S612H2- 58L	2 5/ 8	C	86	102	47	150	RR10025S
S612H2- 1316L	2 13/ 16	C	86	108	49	160	RR10025S
S612H2- 78L	2 7/ 8	C	86	109	49	160	RR10025S
S612H3- 12L	3 1/ 2	C	86	130	62	170	RR10025S

Metric - Deep Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S612M41L	41	A	86	72	30	115	RR10025S
S612M46L	46	A	86	78	34	115	RR10025S
S612M50L	50	A	86	81	36	135	RR10025S
S612M60L	60	C	86	94	41	150	RR10025S
S612M65L	65	C	86	100	45	150	RR10025S
S612M70L	70	C	86	106	47	160	RR10025S
S612M75L	75	C	86	112	51	170	RR10025S
S612M80L	80	C	86	118	51	170	RR10025S
S612M85L	85	C	86	125	56	170	RR10025S



Sockets

2-1/2" Square Drive

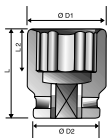
2- 1/ 2" Square Drive - Metric - Standard Length - 6 Point

New IR Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer Ring @extra price
S622M75	75	A	127	118	46	140	N/A
S622M80	80	A	127	124	51	140	N/A
S622M85	85	B	127	130	51	140	N/A
S622M90	90	B	127	136	54	145	N/A
S622M95	95	B	127	143	54	145	N/A
S622M100	100	B	127	149	57	150	N/A
S622M105	105	B	127	155	61	155	N/A
S622M110	110	B	127	161	64	160	N/A
S622M115	115	B	127	167	67	165	N/A
S622M120	120	B	127	176	71	170	N/A
S622M125	125	B	127	181	75	175	N/A
S622M130	130	B	127	188	75	175	N/A
S622M135	135	B	127	195	79	180	N/A
S622M140	140	B	127	202	79	180	N/A
S622M145	145	B	127	208	83	185	N/A
S622M150	150	B	127	215	87	185	N/A
S622M160	160	B	127	227	91	190	N/A
S622M165	165	B	127	235	95	195	N/A
S622M170	170	B	127	241	100	195	N/A
S622M175	175	B	127	248	105	200	N/A
S622M180	180	B	127	254	105	200	N/A
S622M185	185	B	152	258	110	210	N/A
S622M190	190	B	152	265	110	210	N/A
S622M200	200	B	152	275	115	220	N/A

3-1/2" Square Drive

Deliverable on demand.

Please contact your nearest IR office.



Socket 6/12 Point Standard/ Deep Length/Thin Wall Surface Drive External Torx

One Piece Socket Retainers

Warning: One Piece Socket Retainers should not be used for any purpose other than to retain sockets on Impacttools. Always check for wear on pin before using. Refer to the instructions furnished with the Retainer for selection of correct sizes and installation procedure.



Power Quick Change Chuck

For greatest versatility on screw-driving jobs, snap a Quick Change Chuck on the drive of your Impacttool. A wide variety of hex shank bits can be easily inserted and quickly changed by merely pushing on the spring loaded collar.



Square Drive Size in. Female	Part Number	Hex Chuck Size in. Female
3/8	2U-A925-4	1/4
3/8	502-A925-7	7/16
1/2	4U-A925-7	7/16

Protective Tool Boots

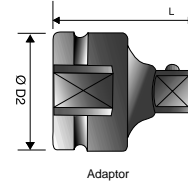
Keep your Ingersoll-Rand air impact ratchets, wrenches, and drills free from external damage with protective boots. As you work, these boots also absorb some of the tool vibration, keeping you more comfortable, too.

Boot Number	Material
202-P32	Vinyl
211-P32	Vinyl
231-P32	Vinyl
2131-P32	Vinyl
244-P32	Vinyl
2161-P32	Vinyl
2161-P32	Vinyl
230-32	Leather
261-1710	Vinyl
2080	Vinyl



Impact Universal Joint

New IR Part Number	Female (Inch)	Male (Inch)	D2 (mm)	L (mm)	Comment	Recommended Retainer Ring @extra price
J2	1/4	1/4	16	43	Male end locking pin retainer	RR10002
J3	3/8	3/8 2	4	50	Male end locking pin retainer	RR10006
J4	1/2	1/2	32	60	Male end locking pin retainer	RR10005S
J6	3/4	3/4	44	105	Male end locking pin hole	RR10008S
J8	1	1	54	133	Male end locking pin hole	RR10015S
J12	1- 1/2	1- 1/2	86	182	Male end locking pin hole	RR10025S
J22	2- 1/2	2- 1/2	152	248	Male end locking pin hole	N/A



Reducing adapters are not covered by Ingersoll-Rand Warranty

CAUTION : Always wear goggles when using impact equipment. Do not hold socket while in use

Impact Adapter

New IR Part Number	Female (Inch)	Male (Inch)	D2 (mm)	L (mm)	Comment	Recommended Retainer Ring @extra price
A2F3M	1/4	3/8	13,6	26	Male end with pin hole	RR10001
A3F4M	3/8	1/2	22	36	Male end with pin hole	RR10005
A3F2M	3/8	1/4	22	32	Male end with pin hole	RR10005
A4F3M	1/2	3/8	25	38	Male end with pin hole	RR10007
A4F6M	1/2	3/4	30	48	Male end with pin hole	RR10008
A6F4M	3/4	1/2	44	56	Male end with pin hole	RR10008S
A6F8M	3/4	1	44	63	Male end with pin hole	RR10008S
A8F6M	1	3/4	54	75	Male end with pin hole	RR10015S
A8F12M	1	1-1/2	54	90	Male end with pin hole	RR10015S
A12F8M	1- 1/2	1	86	100	Male end with pin hole	RR10025S
A12F22M	1- 1/2	2- 1/2	86	120	Male end with pin hole	RR10025S
A22F12M	2- 1/2	1- 1/2	127	138	Male end with pin hole	N/A

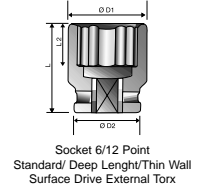
Extension

New IR Part Number	Female (Inch)	Male (Inch)	D2 (mm)	L (mm)	Comment	Recommended Retainer Ring @extra price
E2100MM	1/4	1/4	13	100	Male end with pin hole	RR10001
E2150MM	1/4	1/4	13	150	Male end with pin hole	RR10001
E375MM	3/8	3/8	19	75	Male end with pin hole	RR10001
E3100MM	3/8	3/8	19	100	Male end with pin hole	RR10003
E3125MM	3/8	3/8	19	125	Male end with pin hole	RR10003
E3150MM	3/8	3/8	19	150	Male end with pin hole	RR10003
E3250MM	3/8	3/8	19	250	Male end with pin hole	RR10003
E475MM	1/2	1/2	25	75	Male end with pin hole	RR10003
E4100MM	1/2	1/2	25	100	Male end with pin hole	RR10007
E4125MM	1/2	1/2	25	125	Male end with pin hole	RR10007
E4175MM	1/2	1/2	25	175	Male end with pin hole	RR10007
E4250MM	1/2	1/2	25	250	Male end with pin hole	RR10007
E6100MM	3/4	3/4	44	100	Male end with pin hole	RR10007
E6175MM	3/4	3/4	44	175	Male end with pin hole	RR10008S
E6250MM	3/4	3/4	44	250	Male end with pin hole	RR10008S
E6330MM	3/4	3/4	44	330	Male end with pin hole	RR10008S
E8100MM	1	1	54	100	Male end with pin hole	RR10008S
E8125MM	1	1	54	125	Male end with pin hole	RR10015S
E8175MM	1	1	54	175	Male end with pin hole	RR10015S
E8200MM	1	1	54	200	Male end with pin hole	RR10015S
E8250MM	1	1	54	250	Male end with pin hole	RR10015S
E8330MM	1	1	54	330	Male end with pin hole	RR10015S
E12125MM	1 1/2	1 1/2	86	125	Male end with pin hole	RR10025S
E12250MM	1 1/2	1 1/2	86	250	Male end with pin hole	RR10025S
E12500MM	1 1/2	1 1/2	86	500	Male end with pin hole	RR10025S
E22250MM	2 1/2	2 1/2	127	250	Male end with pin hole	N/A
E22500MM	2 1/2	2 1/2	127	500	Male end with pin hole	N/A

Sockets Set

3/ 8" Square Drive - Socket Set - 10 pieces

IR										Recommended
Part Number	Type	Qty	Single item Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Retainer @extra price
SK3M10	St. Lenght - 6 pt	1	S63M9	9	A	19	15	8	30	RR10003
	St. Lenght - 6 pt	1	S63M10	10	A	19	16	8	30	RR10003
	St. Lenght - 6 pt	1	S63M11	11	A	19	17,5	9	30	RR10003
	St.Lenght - 6 pt	1	S63M12	12	B	19	19	9	30	RR10003
	St.Lenght - 6 pt	1	S63M13	13	A	22	20	9	30	RR10005
	St. Lenght - 6 pt	1	S63M14	14	A	22	21	9	30	RR10005
	St. Lenght - 6 pt	1	S63M15	15	B	22	22	11	30	RR10005
	St.Lenght - 6 pt	1	S63M16	16	C	22	24	11	30	RR10005
	St Lenght - 6 pt	1	S63M17	17	C	22	25	11	30	RR10005
	St Lenght - 6 pt	1	S63M19	19	C	22	27,5	11	30	RR10005



1/ 2" Square Drive - Socket Set - 14 pieces

IR										Recommended
Part Number	Type	Qty	Single item Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Retainer @extra price
SK4M14	St. Lenght - 6 pt	1	S64M10	10	A	25	17,5	12	38	RR10007
	St. Lenght - 6 pt	1	S64M11	11	A	25	18,7	12	38	RR10007
	St. Lenght - 6 pt	1	S64M12	12	A	25	20	12	38	RR10007
	St. Lenght - 6 pt	1	S64M13	13	A	25	21	12	38	RR10007
	St.Lenght - 6 pt	1	S64M14	14	A	25	22,5	12	38	RR10007
	St. Lenght - 6 pt	1	S64M15	15	A	30	23,7	12	38	RR10008
	St. Lenght - 6 pt	1	S64M16	16	A	30	25	12	38	RR10008
	St.Lenght - 6 pt	1	S64M17	17	A	30	26	13	38	RR10008
	St Lenght - 6 pt	1	S64M18	18	A	30	27,5	13	38	RR10008
	St Lenght - 6 pt	1	S64M19	19	A	30	28,7	13	38	RR10008
	St. Lenght - 6 pt	1	S64M21	21	B	30	30	13	38	RR10008
	St.Lenght - 6 pt	1	S64M22	22	C	30	32	13	38	RR10008
	St Lenght - 6 pt	1	S64M23	23	C	30	32	13	38	RR10008
	St Lenght - 6 pt	1	S64M24	24	C	30	35	20	45	RR10008



1/ 4" Square Drive - Socket Set - 12 pieces

IR										Recommended	
Part Number	Type	Qty	Single item Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Comment	Retainer @extra price
SK2M12	St. Lenght - 6 pt	1	S62M6	6	A	13	10	6	23	N/A	RR10001
	St. Lenght - 6 pt	1	S62M7	7	A	13	11,3	6	23	N/A	RR10001
	St. Lenght - 6 pt	1	S62M8	8	A	13	12,5	7	23	N/A	RR10001
	SSt. Lenght - 6 pt	1	S62M9	9	B	13	13,8	7	23	N/A	RR10001
	St. Lenght - 6 pt	1	S62M10	10	B	13	15	7	23	N/A	RR10001
	St. Lenght - 6 pt	1	S62M11	11	B	13	16,3	8	23	N/A	RR10001
	St. Lenght - 6 pt	1	S62M12	12	B	13	17	8	23	N/A	RR10001
	St. Lenght - 6 pt	1	S62M13	13	B	13	18,8	8	23	N/A	RR10001
	St. Lenght - 6 pt	1	S62M14	14	B	13	20	8	23	N/A	RR10001
	Extension	1	EB250MM	1/ 4" F - 1/ 4" M	N/A	13	N/A	N/A	50	Male end with steel ball retainer	RR10001
	Extension	1	EB2100MM	1/ 4" F - 1/ 4" M	N/A	13	N/A	N/A	100	Male end with steel ball retainer	RR10001
	Adapter	1	AB3F2M	3/ 8" F - 1/ 4" M	N/A	22	N/A	N/A	32	Male end with steel ball retainer	RR10005

1/ 2" Square Drive - Socket Set - 5 pieces

IR Part Number	Type	Qty	Single item Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer @extra price
SK4M5L	Deep - 6 pt	1	S64M17L	17	A	30	26	17	78	RR10008
	Deep - 6 pt	1	S64M19L	19	A	30	28,7	19	78	RR10008
	Deep - 6 pt	1	S64M21L	21	B	30	30	24	78	RR10008
	Deep - 6 pt	1	S64M22L	22	C	30	32	24	78	RR10008
	Deep - 6 pt	1	S64M24L	24	C	30	35	24	78	RR10008



3/ 4" Square Drive - Socket Set - 6 pieces

IR Part Number	Type	Qty	Single item Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer @extra price
SK6M6L	Deep Lenght- 6 pt	1	S66M24L	24	A	44	39	51	95	RR10008S
	Deep Lenght- 6 pt	1	S66M27L	27	A	44	43	62	95	RR10008S
	Deep Lenght- 6 pt	1	S66M30L	30	C	44	47	62	95	RR10008S
	Deep Lenght- 6 pt	1	S66M32L	32	C	44	49	62	95	RR10008S
	Deep Lenght- 6 pt	1	S64M33L	33	C	44	51	62	95	RR10008S
	Deep Lenght- 6 pt	1	S64M36L	36	C	44	54	62	95	RR10008S



1" Square Drive - Socket Set - 4 pieces

IR Part Number	Type	Qty	Single item Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Recommended Retainer @extra price
SK8M4L	Deep Lenght- 6 pt	1	S68M27L	27	A	54	46	23	100	RR100015S
	Deep Lenght- 6 pt	1	S68M30L	30	A	54	50	50	100	RR100015S
	Deep Lenght- 6 pt	1	S68M32L	32	A	54	52	50	100	RR100015S
	Deep Lenght- 6 pt	1	S68M33L	33	A	54	53	50	100	RR100015S



1/ 2" Square Drive - Socket Set - 18 pieces

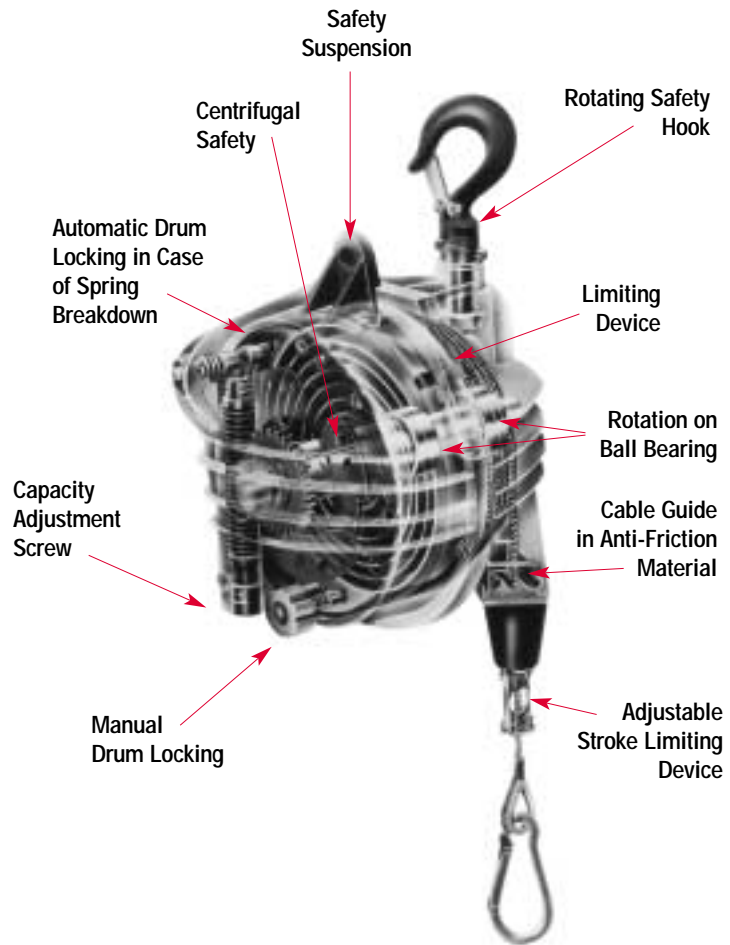
IR Part Number	Type	Qty	Single item Part Number	A/F (mm)	Shape	D2 (mm)	D1 (mm)	L2 (mm)	L (mm)	Comment	Recommended Retainer @extra price
SK4M18	St. Lenght - 6 pt	1	S6B4M10	10	A	25	16	12	38	N/A	RR10007
	St. Lenght - 6 pt	1	S6B4M11	11	A	25	17,5	12	38	N/A	RR10007
	St. Lenght - 6 pt	1	S6B4M13	13	A	25	20	12	38	N/A	RR10007
	St. Lenght - 6 pt	1	S6B4M14	14	A	25	22	12	38	N/A	RR10007
	St. Lenght - 6 pt	1	S6B4M17	17	B	26	26	13	38	N/A	RR10007
	St. Lenght - 6 pt	1	S6B4M19	19	B	28	28	13	38	N/A	RR10008
	St. Lenght - 6 pt	1	S64M21	21	B	30	30	13	38	N/A	RR10008
	St. Lenght - 6 pt	1	S64M22	22	C	30	32	13	38	N/A	RR10008
	St. Lenght - 6 pt	1	S64M24	24	C	30	35	20	45	N/A	RR10008
	Deep Lenght - 6 pt	1	S64M13L	13	A	25	21	14	78	N/A	RR10007
	Deep Lenght - 6 pt	1	S64M14L	14	A	25	22,5	17	78	N/A	RR10007
	Deep Lenght - 6 pt	1	S64M21L	21	B	30	30	24	78	N/A	RR10008
	Deep Lenght - 6 pt	1	S64M24L	24	C	30	35	24	78	N/A	RR10008
	Thin Wall - Deep Lenght - 6 pt	1	S6T4M17L	17	B	24	24	17	78	N/A	RR10006
	Thin Wall - Deep Lenght - 6 pt	1	S6T4M19L	19	B	26	26	19	78	N/A	RR10007
	Thin Wall - Deep Lenght - 6 pt	1	S6T4M21L	21	B	27,5	28	24	78	N/A	RR10008
	Universal Joint	1	JB4	1/ 2" F - 1/ 2" M	N/A	32	N/A	N/A	60	Male end with steel ball retainer	RR10005S
	Extension	1	EB4125MM	1/ 2" F - 1/ 2" M	N/A	25	N/A	N/A	125	Male end with steel ball retainer	RR10009

Balancers

The IRAX red balancers from Ingersoll-Rand offer you five different series to fill all your balancing requirements. The light, medium, intermediate, heavy and super duty series cover weight balancing requirements from 1 lb. to 330 lbs.

These rugged balancers are made of die cast aluminum. A safety locking device on the medium, heavy and super duty models is designed to prevent dropping of the tool should the spring fail. Easy to use controls allow for accurate spring adjustment.

With over 50 models to choose from and lifts ranging from 5 to 9 feet, IRAX balancers fill your balancer requirements with quality from Ingersoll-Rand.



Model Number Key					
B	M	D	L	L	10
Balancer	H = Heavy I = Intermediate L = Light M = Medium S = Super	Duty	L = Long Cable (8.2' or 9.85') S = Short Cable (6.5')	Locking Type	Upper Weight Capacity in Kilograms

Hose Reel Balancer – Specification

Model No.	Hose Nipples	Capacity lb.	Lift ft.
BHR-8	1/4"	7/8 - 1 ³ / ₄	4 ¹ / ₄
BHR-15	1/4"	1 ¹ / ₂ - 3 ¹ / ₃	4 ¹ / ₄
BHR-25	1/4"	2 ⁵ / ₈ - 5 ¹ / ₂	4 ¹ / ₄

Light Duty – Capacity 0.9 to 66.6 lbs. (0.4 to 3 kg)

- Rotary hook
- Self lubricating bushings
- Adjustable capacity and stroke limiting device
- Auxiliary safety suspension

Model No.	Capacity		Weight		Lift	
	lb.	kg	lb.	net-kg	ft.	mm
BLD1	.9-2.2	0.4-1	1.3	0.6	5.2	1600
BLD2	2.2-4.4	1-2	1.3	0.6	5.2	1600
BLD3	4.4-6.6	2-3	1.3	0.7	5.2	1600

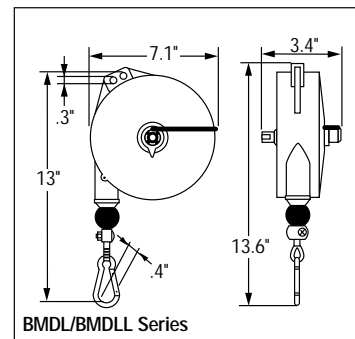
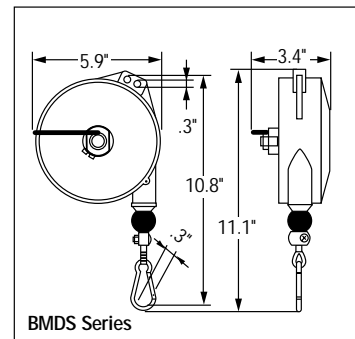
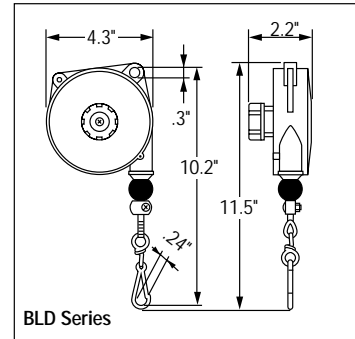
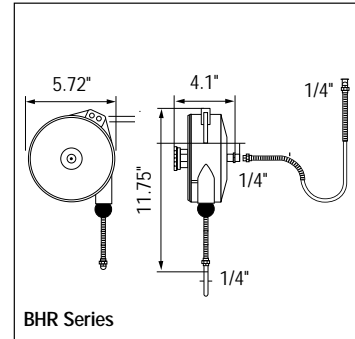
Medium Duty – Capacity 2.2 to 26.5 lbs. (1 to 12 kg)

- Safety device prevents dropping of load due to spring breakage (except BMDS-2)
- Anti-friction cable guide
- Adjustable stroke limiting device

Model No.	Capacity		Weight		Lift	
	lb.	kg	lb.	net-kg	ft.	mm
BMDS-2	2.2-5.5	1-2.5	4.4	2.0	6.5	2000
BMDS-4	4.4-8.8	2-4	4.4	2.0	6.5	2000
BMDS-6	8.8-13.2	4-6	5.1	2.3	6.5	2000
BMDS-8	13.2-17.6	6-8	5.5	2.5	6.5	2000
BMDL-4	4.4-8.8	2-4	6.4	2.9	8.2	2500
BMDL-6	8.8-13.2	4-6	7.1	3.2	8.2	2500
BMDL-8	13.2-17.6	6-8	7.7	3.5	8.2	2500
BMDL-10	17.6-22.0	8-10	8.2	3.7	8.2	2500
BMDL-12	22.0-26.5	10-12	8.8	4.0	8.2	2500

Locking Type Balancer

Model No.	Capacity		Weight		Lift	
	lb.	kg	lb.	net-kg	ft.	mm
BMDLL-4	4.4-8.8	2-4	6.6	3.0	8.2	2500
BMDLL-6	8.8-13.2	4-6	7.3	3.3	8.2	2500
BMDLL-8	13.2-17.6	6-8	7.9	3.6	8.2	2500
BMDLL-10	17.6-22.0	8-10	8.4	3.8	8.2	2500

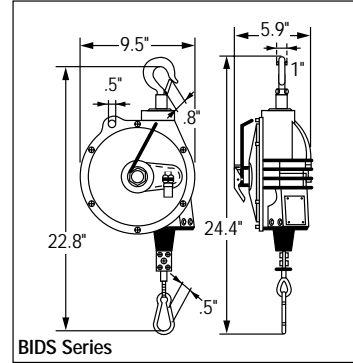


Balancers

Intermediate Duty – Capacity 8 to 55 lbs. (4 to 25 kg)

- Safety device prevents load dropping due to spring breakage
- Anti-friction cable guide
- Adjustable stroke limiting device
- Upper rotary suspension
- Safety hook
- Auxiliary safety suspension

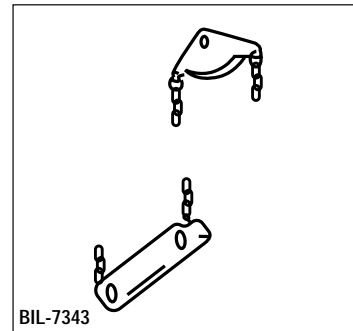
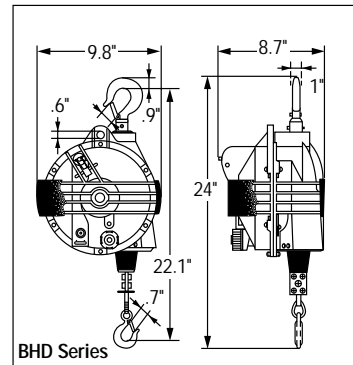
Model No.	Capacity	
	lb.	kg
BIDS-7	8.8-15.4	4-7
BIDS-10	15.4-22	7-10
BIDS-14	22-30.8	10-14
BIDS-18	30.8-39.6	14-18
BIDS-22	39.6-48.4	18-22
BIDS-26	48.4-55	22-25



Heavy Duty – Capacity 22 to 143 lbs. (10 to 65 kg)

- Safety device prevents load dropping due to spring breakage
- Upper suspension with rotary safety hook
- Precision guided cable winding prevents jamming
- Anti-friction cable guide
- Manual locking device for instant clamping or release
- Worm screw capacity adjustment
- Spring drum assembly
- Floor controlled locking device available as an option (BIL-7343)

Model No.	Capacity		Weight		Lift	
	lb.	kg	lb.	net-kg	ft.	mm
BHD-15	22-33	10-15	22.7	10.3	6.5	2000
BHD-20	33-44	15-20	23.4	10.6	6.5	2000
BHD-25	44-55	20-30	25.4	11.5	6.5	2000
BHD-30	55-66	25-30	25.4	11.5	6.5	2000
BHD-35	66-77	30-35	26.0	11.8	6.5	2000
BHD-45	77-99	35-45	27.3	12.4	6.5	2000
BHD-55	99-121	45-55	27.6	12.5	6.5	2000
BHD-65	121-143	55-65	30.0	13.6	6.5	2000

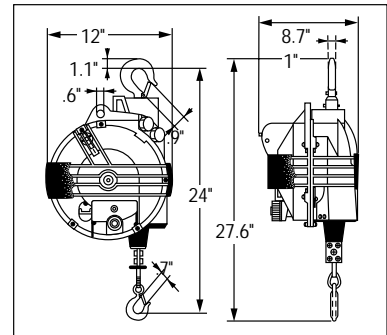


Super Duty — Capacity 33 to 363 lbs. (15 to 165 kg)

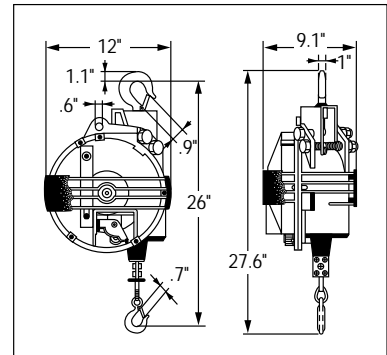
- Safety device prevents load dropping due to spring breakage
- Manual locking device for instant clamping or release
- Anti-friction cable guide
- Cable replacement without balancer disassembly
- Floor controlled locking device available as an option (BL-7343)
- Precision guided cable winding prevents jamming

- Alignable rotating upper hook
- Worm screw capacity adjustment
- Cable visible for inspection
- Other sizes available on request

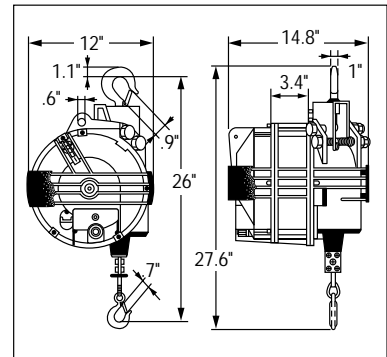
Model No.	Capacity		Weight		Lift	
	lb.	kg	lb.	net-kg	ft.	mm
BSD-20	33-44	15-20	41.9	19.0	8.2	2500
BSD-30	44-66	20-30	43.7	19.8	8.2	2500
BSD-40	66-88	30-40	45.9	20.8	8.2	2500
BSD-50	88-110	40-50	52.7	23.9	8.2	2500
BSD-60	110-132	50-60	56.0	25.4	8.2	2500
BSDL-20	33-44	15-20	42.1	19.1	9.85	3000
BSDL-25	44-55	20-25	43.9	19.9	9.85	3000
BSDL-35	55-77	25-35	46.1	20.9	9.85	3000



Model No.	Capacity		Weight		Lift	
	lb.	kg	lb.	net-kg	ft.	mm
BSD-70	132-154	60-70	59.1	26.8	8.2	2500
BSD-80	154-176	70-80	61.3	27.8	8.2	2500
BSD-90	176-198	80-90	63.5	28.8	8.2	2500
BSDL-45	77-99	35-45	52.5	23.8	9.85	3000
BSDL-50	88-110	40-50	52.7	23.9	9.85	3000
BSDL-60	110-132	50-60	55.8	25.3	9.85	3000
BSDL-70	132-154	60-70	58.9	26.7	9.85	3000
BSDL-80	154-176	70-80	61.7	28.0	9.85	3000
BSDL-90	176-198	80-90	64.0	29.0	9.85	3000



Model No.	Capacity		Weight		Lift	
	lb.	kg	lb.	net-kg	ft.	mm
BSD-100	198-220	90-100	78.5	35.6	8.2	2500
BSD-120	220-265	100-120	85.3	38.7	8.2	2500
BSD-140	265-309	120-140	92.2	41.8	8.2	2500
BSD-150	287-330	130-150	98.1	44.5	8.2	2500
BSD-165	330-363	150-165	106.3	48.2	8.2	2500
BSDL-100	198-220	90-100	81.1	36.8	9.85	3000
BSDL-115	220-254	100-115	85.3	38.7	9.85	3000
BSDL-130	254-286	115-130	88.0	39.9	9.85	3000
BSDL-140	286-309	130-140	94.4	42.8	9.85	3000
BSDL-150	309-330	140-150	100.6	45.6	9.85	3000



Comfort Grips

Made from energy-absorbing Sorbothane®, the IRAX Comfort Grip provides an isolation barrier between your operator and the tool. Sorbothane®, proven effective in absorbing mechanical shocks and reducing vibrations transmitted to the operator, has been tested and recommended for years in medical and athletic applications.

Features

- Nonslip urethane outer skin
- Die cut for precise tool fit
- Also available in sheet form
- Self-stick adhesive backing
- -20°F to 180°F operating range
- .125" thickness



Swivel-It!™

Introducing the *NEW*, non-marring, composite *Swivel-It* from Ingersoll-Rand. The *NEW Swivel-It* is made from non-marring, high impact, chemical resistant composite material. The *NEW* composite *Swivel-It* is available in 1/4" NPT and provides 32% more air flow with 33 scfm.

The adjustable 1/4" NPT *Swivel-It* as well as the 3/8" NPT and 1/2" NPT are currently available only in aluminum. Look for additional *Swivel-It* models available in composite.

The *Swivel-It* is designed to reduce operator fatigue by allowing the air hose to hang straight to the floor, enhancing maneuverability and increasing operator comfort and productivity. For use with drills, screwdrivers, impact tools, angle wrenches, grinders, polishers, and sanders. Not for use with percussive tools.



ASC-1/4

Impactools	Part Number
2934, 2940, 2945, 2950	CG-2934BA
For Other Applications	
6" x 8" Sheet with Tape	CG-6X8
42" Roll Seam Tape	CG-ST42

Thread Size	Part Number	Air Flow Range
1/4"	ASC-1/4 ⁽²⁾	0-25 cfm Adjustable
1/4" ⁽¹⁾	ASA-1/4	0-25 cfm Non-Marring
3/8"	AS-3/8	0-45 cfm Standard
1/2"	AS-1/2	0-65 cfm Standard

⁽¹⁾ Adjustable air flow

⁽²⁾ Composite

Lubricants

Lubrication

Proper lubrication of air tools is a must to prevent excessive wear of moving parts; to prevent possible rust and corrosion of bare, unprotected surfaces; and to provide smooth operation of motors, impact mechanisms, and other important components. Ingersoll-Rand has a full line of oils and greases which has been tested thoroughly and is recommended without reservation.



Oils Part Number	Oil Number	Quantity	Recommended Use
63Z4	63	4 oz.	Cyclone Wick Lubricant
Chain Lubricant			
Lubri-Link-Green		16 oz. Spray Bottle	Lubricant
LLG-5		5 gal.	
Class I Lubricant			
10Z4	10	4 oz.	For Percussive Tools, Assembly Tools and Series CD, CX, CA, TD, TX, TA and TXA Grinders
10P		1 pt.	
10G		1 gal.	
10G55		55 gal.	
Class II Lubricant			
50P	50	1 pt.	Motors of Series 1, 61, 77, 88 and 99 Grinders, Impacttools, Sump Pumps, Vibrators, Saws, Hoists and Winches
50G	50	1 gal.	
62 1 Gal		1 gal.	

Greases Part Number	Grease Number	Quantity	Recommended Use
23-1 LB	23	1 lb	Gearing of Drills
28 1 LB	28	1 lb	Screwdriver Gearing and Clutches; Drills, Grinders, Saws; Tie Tampers
28 8 LB		8 lb	
66 1 LB	66	1 lb	Slow Speed, High Torque Angle Heads
66 8 LB		8 lb	
67-4T	67	4 oz.	High Speed Angle Heads-High Temp (Green)
67-1 LB	67	1 lb	
67 8 LB		8 lb	
68-1 LB	68	1 lb	Coupling Splines and High Speed Angle Heads
68 8 LB		8 lb	
70 1 LB	70	1 lb	Large Piston Motor Gear Cases
70 8 LB		8 lb	
80 1 LB	80	1 lb	Bearings of All Sump Pumps
80 8 LB		8 lb	
90-14 oz	90	14 oz.	Offset Gear Heads for Tube Nut Wrenches
100 1 LB	100	1 lb	Impact Mechanisms of Most Impacttools
100 8 LB		8 lb	
105-4T-6 ⁽¹⁾	105	4 oz. tube	Impact Mechanisms of Most Impacttools and for Assembly of 2131 Impact Mechanisms.
105-1 LB		1 lb	
105-8 LB		8 lb	
115-4T-6 ⁽¹⁾	115	4 oz. tube	For General Maintenance on 2131 Impacttool Mechanisms
115-1 LB		1 lb	
150-1 LB	150	1 lb	All Impact Mechanisms with Swinging Weight (900 Series)
150 8 LB		8 lb	
170-1 LB	170	1 lb	High Temperature Grease Impact Mechanism
170 8 LB		8 lb	

⁽¹⁾ Six tubes of 105 grease

Lubricants

Anti-Freeze	
Part Number	Quantity
10GW	1 gal.

Rock Drill Oil	
Part Number	Quantity
51378701	1 gal. Light Below 20°F or (6.7°C)
51378693	1 gal. Medium 20°-90°F (-6.7° to 32.2°C)

Air Care Kits	
Part Number	General Description
67-LBK1	Angle Grinder Gear
105-LBK1	Impacttools Mechanisms, Greased via rear of tool.
115-LBK1	2131 Series



Grease Guns		
Part Number	Quantity	General Description
P25-228	3 oz.	Push-type Hand Gun for Hydraulic-type Fittings
R000A2-228	3 oz.	Push-type Hand Gun for Flush-type Fittings
GTH-1		For Grease Tubes



Tune-Up Kits

Impacttools Tune-Up Kit Number	Tools Used On
1702B-TK2	1701B, 1702B, 2902B, 212B
1702P-TK2	1701P, 1702P, 2902P, 212P
1702SB-TK2	1702SB, 2902SB
1705P-TK2	1705P1
1709P-TK2	1709P
1710B/1710P-TK3	1710B1, 1710P1, 1711B3, 1711P3
1712B/1712P-TK3	1712B2, 1712B4, 1712P1, 280
1720B-TK2	1720B, 261B
1720P-TK2	1720P, 261P
2112-TK2	2904P
2131P-TK2	2131P
2131-K36	2131 Seal Kit
2131P-THK1	Hammer Kit
2141-TK2	2141P
2161-TK2	2161, 2171
221-TK2	221
223-TK2	223
231-TK3	231, 251P

Impacttools Tune-Up Kit Number	Tools Used On
2705-TK3	2705, 251P
2706-TK3	2706
2707-TK2	2707A1, 2707A7, 244P
2903P-TK2	2903P1, 2903P2, 2903P7
2904P-TK2	2904P1, 2904P2, 2904P4
2905P-TK2	2905P1, 2905P7
2906P-TK1	2906P1, 2906P7
2908P-TK2	2908P
2910-TK4	2910B, 2910P
2920B-TK2	2920B
2920P-TK2	2920P
2925-TK2	2925
2934-TK3	2934, 2934P
2940-TK3	2940, 2940P
2945-TK2	2945
2950-TK2	2950
5020-TK2	5020, 5020H, 5020T, 5020TH
5040-TK2	5040, 5040T, 5040TD, 5040TDQ

Composite Safety Couplings & Nipples

Benelux, Spain, France, Italy, Middle-East

PROFIL MIL-C4109 - ISO6150B
Max. Working Pressure 16 bar

COUPLINGS :

- Easy to connect and disconnect
- Engineered to reduce costly air leaks
- Resistant, shock absorbing fiber reinforced composite material
- Resistant to abrasion
- Shock proof
- Crush resistant
- Vibration resistant
- Galvanized steel adapter
- Nitrile O-Ring seal system

NIPPLES :

- Carbonitride steel anticorrosion protection
- Precision dimensions of the Collar Series Nipples allow no-leak warranty
- Teflon coating on all male threads

STEP ONE

Release the pressure and stop the air flow by pulling the sleeve as indicated by arrow 1



STEP TWO

Disconnect the plug by pushing the sleeve as indicated by arrow 2



	Fitting or hose dia.	6 Bore (15l/s at 6 bar) Part No.	8 Bore (30 l/s at 6 bar) Part No.	11 Bore (70 l/s at 6 bar) Part No.
Female Thread Couplings (BSP)				
	1/4"	IBS6CCFC2	-	-
	3/8"	IBS6CCFC3	IBS8CCFC3	IBS11CCFC3
	1/2"	IBS6CCFC4	IBS8CCFC4	IBS11CCFC4
	3/4"	-	-	IBS11CCFC6
Male Thread Precoated Couplings (BSP)				
	1/4"	IBS6CCMC2	-	-
	3/8"	IBS6CCMC3	IBS8CCMC3	IBS11CCMC3
	1/2"	IBS6CCMC4	IBS8CCMC4	IBS11CCMC4
	3/4"	-	-	IBS11CCMC6
Hose Stem Couplings				
	6 mm	IBS6CCH06	-	-
	8 mm	IBS6CCH08	IBS8CCH08	-
	10 mm	IBS6CCH10	IBS8CCH10	IBS11CCH10
	13 mm	-	IBS8CCH13	IBS11CCH13
	16 mm	-	-	IBS11CCH16
	19 mm	-	-	IBS11CCH19
Female Thread Nipples (BSP)				
	1/4"	IB6NFC2	IB8NFC2	-
	3/8"	IB6NFC3	IB8NFC3	IB11NFC3
	1/2"	-	IB8NFC4	IB11NFC4
	3/4"	-	-	-
Female Thread Nipples (BSP)				
	1/4"	IB6NMC2	IB8NMC2	-
	3/8"	IB6NMC3	IB8NMC3	IB11NMC3
	1/2"	-	IB8NMC4	IB11NMC4
	3/4"	-	-	-
Hose Stem Nipples				
	6 mm	IB6NH06	-	-
	8 mm	IB6NH08	IB8NH08	-
	10 mm	IB6NH10	IB8NH10	IB11NH10
	13 mm	-	IB8NH13	IB11NH13
	16 mm	-	IB8NH16	IB11NH16
	19 mm	-	-	IB11NH19

Composite Safety Couplings & Nipples

France, Spain, Benelux, Italy, Middle-East

PROFIL MIL-C4109 - ISO6150B

Max. Working Pressure 16 bar

COUPLINGS :







- Easy to connect and disconnect
- Engineered to reduce costly air leaks
- Resistant, shock absorbing fiber reinforced composite material
- Resistant to abrasion
- Shock proof
- Crush resistant
- Vibration resistant
- Galvanized steel adapter
- Nitrile O-Ring seal system

NIPPLES :

- Carbonitride steel anticorrosion protection
- Precision dimensions of the Collar Series Nipples allow no-leak warranty
- Teflon coating on all male threads

Just pull the sleeve as the arrow indicates, then the plug is disconnected



	Fitting or hose dia.	6 Bore (15l/s at 6 bar) Part No.	8 Bore (30 l/s at 6 bar) Part No.
Female Thread Couplings (BSP)			
	1/4"	IBN6CCFC2	-
	3/8"	IBN6CCFC3	IBN8CCFC3
	1/2"	IBN6CCFC4	IBN8CCFC4
	3/4"	-	-
Male Thread Precoated Couplings (BSP)			
	1/4"	IBN6CCMC2	-
	3/8"	IBN6CCMC3	IBN8CCMC3
	1/2"	IBN6CCMC4	IBN8CCMC4
	3/4"	-	-
Hose Stem Couplings			
	6 mm	IBN6CCH06	-
	8 mm	IBN6CCH08	IBN8CCH08
	10 mm	IBN6CCH10	IBN8CCH10
	13 mm	-	IBN8CCH13
	16 mm	-	-
	19 mm	-	-
Female Thread Nipples (BSP)			
	1/4"	IB6NFC2	IB8NFC2
	3/8"	IB6NFC3	IB8NFC3
	1/2"	-	IB8NFC4
	3/4"	-	-
Female Thread Nipples (BSP)			
	1/4"	IB6NMC2	IB8NMC2
	3/8"	IB6NMC3	IB8NMC3
	1/2"	-	IB8NMC4
	3/4"	-	-
Hose Stem Nipples			
	6 mm	IB6NH06	-
	8 mm	IB6NH08	IB8NH08
	10 mm	IB6NH10	IB8NH10
	13 mm	-	IB8NH13
	16 mm	-	IB8NH16
	19 mm	-	-

Composite Safety Couplings & Nipples

UK, Germany, East Europe

EUROPEAN PROFILE 7.2-7.4

Max. Working Pressure 16 bar - Rated Flow 25 l/s at 6 bar




COUPLINGS :

- Easy to connect and disconnect
- Engineered to reduce costly air leaks
- Resistant, shock absorbing fiber reinforced composite material
- Resistant to abrasion
- Shock proof
- Crush resistant
- Vibration resistant
- Galvanized steel adapter
- Nitrile O-Ring seal system




NIPPLES :

- Carbonitride steel anticorrosion protection
- Precision dimensions of the Collar Series Nipples allow no-leak warranty
- Teflon coating on all male threads



NIPPLES

	Fitting or hose dia.	Part Number
Female Thread (BSP)		
	1/4"	77NFC2
	3/8"	77NFC3
	1/2"	77NFC4
Male Thread Precoated (BSP)		
	1/4"	77NMC2
	3/8"	77NMC3
	1/2"	77NMC4
Hose Stem		
	6 mm	77NH06
	8 mm	77NH08
	9 mm	77NH09
	10 mm	77NH10
	13 mm	77NH13

STANDARD COUPLINGS

	Fitting or hose dia.	Part Number
Female Thread (BSP)		
	1/4"	7N7CCFC2
	3/8"	7N7CCFC3
	1/2"	7N7CCFC4
Male Thread Precoated (BSP)		
	1/4"	7N7CCMC2
	3/8"	7N7CCMC3
	1/2"	7N7CCMC4
Hose Stem		
	6 mm	7N7CCH06
	8 mm	7N7CCH08
	9 mm	7N7CCH09
	10 mm	7N7CCH10
	13 mm	7N7CCH13

SAFETY COUPLINGS

	Fitting or hose dia.	Part Number
Female Thread (BSP)		
	1/4"	7S7CCFC2
	3/8"	7S7CCFC3
	1/2"	7S7CCFC4
Male Thread Precoated (BSP)		
	1/4"	7S7CCMC2
	3/8"	7S7CCMC3
	1/2"	7S7CCMC4
Hose Stem		
	6 mm	7S7CCH06
	8 mm	7S7CCH08
	9 mm	7S7CCH09
	10 mm	7S7CCH10
	13 mm	7S7CCH13

Impactools Index

(Alpha order / Numerical order by first letter / Digit of model)

MODEL	DESCRIPTION	PAGE	MODEL	DESCRIPTION	PAGE	MODEL	DESCRIPTION	PAGE
2902P1	3/8" CLASS IMPACTOOL	5	2925B2	1" CLASS IMPACTOOL	10	2945B7	1 1/2" CLASS IMPACTOOL	14
2903P1	1/2" CLASS IMPACTOOL	6	2925RB2	1" CLASS IMPACTOOL	10	2950A7	1 1/2" CLASS IMPACTOOL	14
2903P2	3/8" CLASS IMPACTOOL	5	2925A2	1" CLASS IMPACTOOL	10	2950B1	1 1/2" CLASS IMPACTOOL	14
2904P1	3/8" CLASS IMPACTOOL	5	2925RA2	1" CLASS IMPACTOOL	10	2950B7	1 1/2" CLASS IMPACTOOL	14
2904P2	1/2" CLASS IMPACTOOL	6	2934A2	1" CLASS IMPACTOOL	12	588A1	2 1/2" CLASS IMPACTOOL	15
2904P4	1/4" CLASS IMPACTOOL	5	2934B1	1" CLASS IMPACTOOL	12	599A1	3 1/2" CLASS IMPACTOOL	15
2906P1	1/2" CLASS IMPACTOOL	6	2934B2	1" CLASS IMPACTOOL	12	5020TAH1	TORQUE CONTROL IMPACTOOL	19
2908P1	3/4" CLASS IMPACTOOL	10	2934B9	1" CLASS IMPACTOOL	12	5020TAL1	TORQUE CONTROL IMPACTOOL	19
2908P2	3/4" CLASS IMPACTOOL	10	2934P2	1" CLASS IMPACTOOL	12	5020TDQ	TORQUE CONTROL IMPACTOOL	19
2920B1	3/4" CLASS IMPACTOOL	10	2940A1	1" CLASS IMPACTOOL	13	5040TAH1	TORQUE CONTROL IMPACTOOL	19
2920B3	3/4" CLASS IMPACTOOL (1")	10	2940A2	1" CLASS IMPACTOOL	13	5040TAL1	TORQUE CONTROL IMPACTOOL	19
2920B9	3/4" CLASS IMPACTOOL	10	2940B1	1" CLASS IMPACTOOL	13	5040TAM1	TORQUE CONTROL IMPACTOOL	19
2925P1	3/4" CLASS IMPACTOOL	10	2940B2	1" CLASS IMPACTOOL	13	5040TDQ	TORQUE CONTROL IMPACTOOL	19
2925P3	3/4" CLASS IMPACTOOL	10	2940P2	1" CLASS IMPACTOOL	13	5980A1	1 1/2" CLASS IMPACTOOL	15
2925RBP1	3/4" CLASS IMPACTOOL	10	2945A7	1 1/2" CLASS IMPACTOOL	14	5982A1	2 1/2" CLASS IMPACTOOL	15
2925RBP3	3/4" CLASS IMPACTOOL	10	2945B1	1 1/2" CLASS IMPACTOOL	14			

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