

AN INSIDE LOOK
AT THE
TECHNOLOGIES
BEHIND THE
BEST-ASSEMBLED
PRODUCTS.

PHILLIPS II® DRIVE SYSTEM

Designed and engineered to replace generic Phillips screws.

The PHILLIPS II® Drive System has been designed to meet the ever-challenging demand of faster manufacturing assembly processes that can cause driver cam-out, resulting in component surface damage and scrapped components. It facilitates off-angle fastener driving efficiency in difficult assembly positions and reduces end-load pressure, resulting in less operator fatigue.

FEATURES

- Enhanced cruciform drive with anti-cam-out recess (ACR®) technology
- Reduced end-load pressure
- Distinctive head marking that easily identifies a PHILLIPS II® Drive System

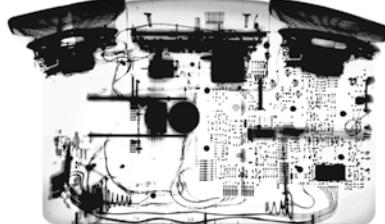
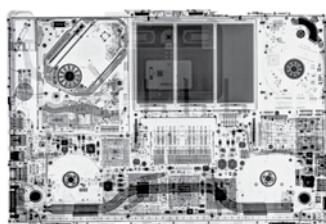
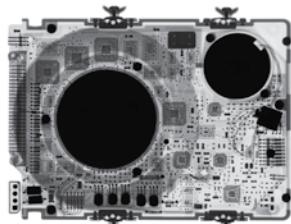
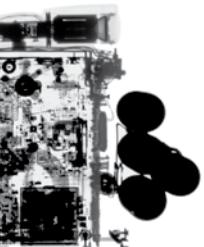
BENEFITS

- Virtually eliminates cam-out
- Improves off-angle drive efficiency
- Reduces burred screwheads and marred components
- Lowers operator fatigue and increases productivity
- Field service compatible with generic Phillips driver bits
- Aids in disassembly for more effective maintenance and service
- Speeds assembly while reducing defects and rework



APPLICATIONS
FASTENER SIZES
DOWN TO 1.6MM (#0)

MOBILE MEDIA
PERSONAL COMPUTERS
LAPTOPS
NETBOOKS
SERVERS
TELECOMMUNICATIONS
MEDICAL ELECTRONICS
CONSUMER ELECTRONICS
AUDIO ELECTRONICS
HAND-HELD DEVICES
CELL PHONES
PDAS
DIGITAL CAMERAS
MP3 PLAYERS
GPS DEVICES



PHILLIPS SQUARE-DRIV® DRIVE SYSTEM

One drive system with five choices of engagement.

The benefits of the PHILLIPS SQUARE-DRIV® combination drive system are significant. In larger, higher torque applications where stick-fit and off-angle driving are crucial, PHILLIPS SQUARE-DRIV is especially useful. Fasteners can be better controlled at higher torque levels for optimum clamp loads. This reduces driver bit wear and eliminates driver cam-out which can cause recess reaming, component damage/rework and operator injury.

FEATURES

- ⊕ Unique combination drive system with ACR® technology
- ⊕ Only three driver bit sizes required to cover the most popular size-range
- ⊕ Higher torque driving capability for thread-forming screw applications
- ⊕ Non-magnetic fastener-to-bit stick-fit
- ⊕ Distinctive head marking that easily identifies a PHILLIPS SQUARE-DRIV® Drive System

BENEFITS

- ⊕ Significantly enhances driving torque capability
- ⊕ Extends driver bit life
- ⊕ Facilitates one-hand fastener installation
- ⊕ Aids in disassembly for more effective maintenance and service

APPLICATIONS
FASTENER SIZES
DOWN TO 3MM (#4)

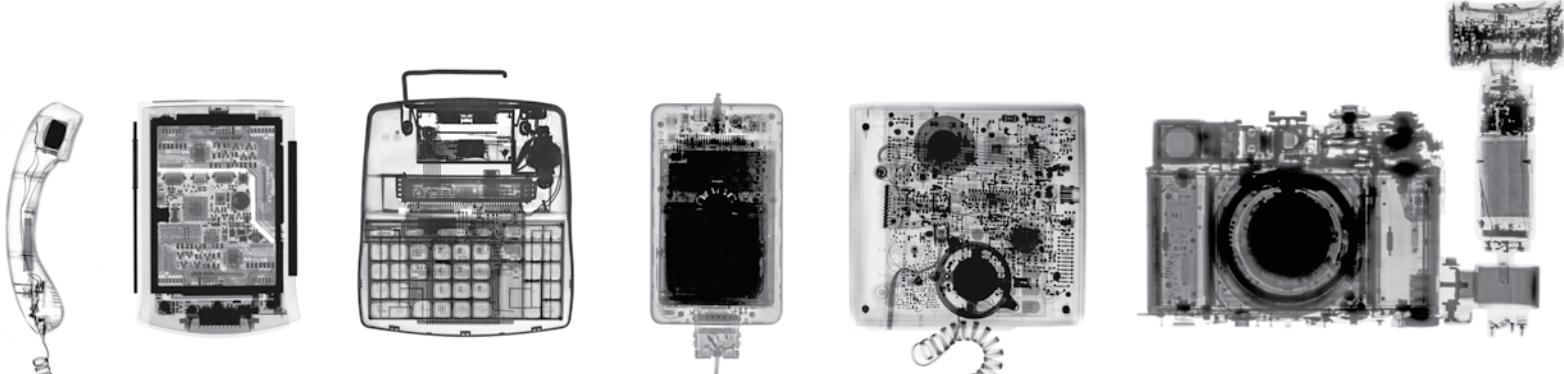
INFRASTRUCTURE
FRAMES
STRUCTURAL COMPONENTS
SERVERS

TELECOMMUNICATIONS
MEDICAL ELECTRONICS
CONSUMER ELECTRONICS
AUDIO ELECTRONICS

A CHOICE OF FIVE DRIVERS

In field service operations, versatility is the mark of the PHILLIPS SQUARE-DRIV® combination drive system. A single drive system allows the use of five different drivers.

- ⊕ PHILLIPS SQUARE-DRIV®
- ⊕ PHILLIPS II®
- ⊕ POZIDRIV®
- ⊕ Square
- ⊕ Generic Phillips



MORTORQ® SUPER SPIRAL DRIVE SYSTEM

Low-profile head with super high-strength recess offers elegance and functionality.

The MORTORQ® SUPER high-strength spiral drive system is the most advanced industrial drive system available today for use in technology and electronics manufacturing. Featuring an exceptionally shallow recess, it sets the standard for strength and functionality. Its recess geometry provides full driver contact over the entire mating surface of the recess wings. This results in extreme high-torquing capability without risk of damage to the fastener or surrounding head area. Minimal head height reduces the weight of fastened components. Made with less material and light in weight, MORTORQ SUPER contributes to greener technology products.



FEATURES

- Low-profile head
- Super high-strength recess
- Elegant appearance while offering a higher level of security
- Full driver contact of recess
- Optional recess ramps facilitate rotating driver bit engagement

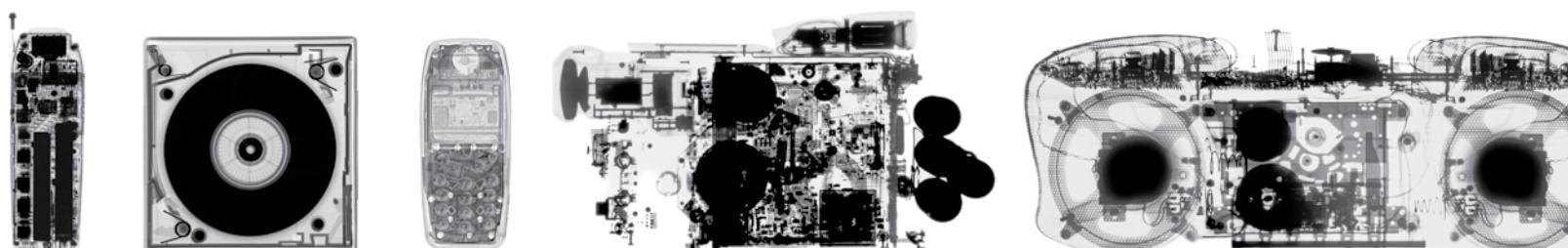
BENEFITS

- Offers extreme high-torque capabilities
- Promotes lighter weight assemblies
- Reduces component materials costs
- Eliminates clearance problems
- Aids in disassembly for more effective maintenance and service
- Speeds assembly while maximizing torque control

APPLICATIONS

FASTENER SIZES
DOWN TO 0.6MM (#0000)

MOBILE MEDIA
PERSONAL COMPUTERS
LAPTOPS
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DIGITAL CAMERAS





Phillips has been at the forefront of threaded fastener drive systems development for over 75 years. Our longtime commitment to innovation and problem solving has resulted in our products being recognized the world over for their superior design.

Forward-thinking drive systems for forward-thinking products.

No technology company would think of specifying decades old components for their products, yet some continue to use nearly 50-year-old generic Phillips screws on their production lines. Often manufactured with minimal oversight, their precision and quality can be uncertain. With new, state-of-the-art, Phillips Drive Systems, there is a modern alternative to out-of-date, low-tech assembly methods.

Quality you can count on from Silicon Valley to Shenzhen.

Phillips takes the integrity of its drive systems very seriously. In addition to mobilizing a global network of first-rate licensed manufacturers, we pioneered worldwide quality-monitoring programs that assure the reliability of Phillips Drive Systems wherever your production lines are located.

Increased assembly speeds, reduced rework and lower costs.

Phillips Drive Systems are engineered for high performance and lower overall production expenditures. Specifying them can add profits to your bottom line by reducing costly component surface damage caused by cam-out or rework, or from recess reaming and improper assembly torque. Moreover, they promote easier, faster and more accurate assembly, as well as simpler and cleaner disassembly for routine maintenance, field service, or warranty work.

Phillips Drive Systems are ideal for those situations where creating threads, joining dissimilar materials, and fastening critical joints are required. Drawing on our vast engineering experience, we will work with you to develop custom fastener design solutions for your products and assembly processes with attention to threading, head height, strength, length, diameter and weight.

Furthering the trend towards green technology.

The desire by technology companies to provide their customers with more environmentally friendly products continues to grow. Leading the way in Phillips' efforts to meet that demand and offer a green drive system is our MORTORQ® SUPER. Designed with less material to reduce head height and weight, MORTORQ SUPER helps conserve precious resources.

Call (877) 806-1712, or visit www.PhillipsDriveSystems.com to see how we can help increase assembly speeds, reduce rework and lower costs.



Make sure you're getting genuine Phillips' design, engineering, quality, reliability and performance. Only the drive systems indicated meet the rigorous standards required to carry the respected Phillips name.



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HILLIPS SCREW COMPANY
INNOVATION IN FASTENER TECHNOLOGY