



COMET INDUSTRIAL PRODUCTS

For over 60 years, Comet has been offering high performance solutions for OEM and aftermarket applications with a wide variety of centrifugal clutches, torque converters and belts for industrial products.



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APPLICATIONS INCLUDE:

Concrete Trowels
Pumps
Plate Compactors
Material Handling
Personnel Carriers
ATVs, UTVs and Go-Karts
Compactors
Brush Cutters
Compressors
Bandsaws
Chippers
Double T-Stem Cleaners





WHO WE ARE

Founded by the Hoff Brothers in 1949, Comet has over sixty years of experience manufacturing high performance solutions for OEM and aftermarket applications with a wide variety of centrifugal and industrial clutches, torque converters, belts, disc brakes, and other components for industrial and commercial applications.

Certified Parts Corporation based in Janesville, Wisconsin, acquired Hoffco/Comet December 17, 2009. All manufacturing was moved to our 200,000+ sq. ft. plant in Edgerton, Wisconsin.

Since 2009, Comet has grown its footprint in the global market to include worldwide distribution with partners in the UK, Canada, Czech Republic, Sweden, Finland, Japan, Taiwan, Turkey, Switzerland, the Netherlands, New Zealand, Australia, Germany and Russia.



WHAT WE DO

Comet provides products to a highly-diversified group of industries in the industrial and recreational sectors including, but not limited to, concrete trowels, pumps, plate compactors, material handling, personnel and game retrieval vehicles, snowmobiles, go-karts, UTVs, ATVs, log splitters, sawmills and brush cutters.

Along with extensive manufacturing capabilities of OEM and aftermarket products, Comet's other core competencies include the ability to offer custom solutions that require the use of 5-axis vertical mills, live tooling lathes and MIG (robotic and hand) welding. Advanced broaching capabilities allow us to produce all sizes and orientations of keyways and splines. This equipment complements our standard 3 axis CNC machines. As quality control is critical to our manufacturing process, we have established a full quality lab with CMM and universal gauging to ensure accuracy, making us a go-to vendor for difficult OEM parts.

Comet's commitment to quality is our highest priority.

1190 SERIES



780 AUTOMATIC TORQUE CONVERTER



1190 SERIES is for heavy duty applications, the work horse of torque converter systems, for both gas and diesel engines.

- Super duty drive and driven units are manufactured from heavy gauge stamped steel with optional hard anodized aluminum pulley faces to withstand extreme conditions and abrasive environments.
- OEM applications for engines 24+ hp available in 1-1/8" and 1-7/16" bores
- Pulley ratios 3.41:1 low and 0.68:1 high
- Optional air holes for improved cooling
- Quiet, dependable operation
- Field proven performance with limited maintenance
- Multiple weight and spring calibration options allow for peak engine and overall unit performance.
- The 1190 driver can be used in combination with other Comet drivers for virtually every load and speed need
- OEM and aftermarket parts available
- Applications include concrete trowels, UTVs and ATVs

780 AUTOMATIC TORQUE CONVERTER is a sensitive, highly tunable clutch that can be used with different diameter driven units to obtain the perfect driver to driven ratios for your application.

Torque sensitive drives are particularly suited to those applications where immediate response to torque demand is required for down shifting and engine speed is ideally maintained at its peak rpm.

- Light-weight aluminum die castings provide one of the lightest, high performance drives on the market
- Drive pulley dimensions are 7.22" outside diameter, weight is 6.84 lbs
- Driven pulley available in diameters of 9.91", 9.83", 9.26" and 8.45"
- Engine Rating: 4 cycle - 20 hp, 2 cycle - 30 hp
- Bore size: 1" drive
- Engagement: 750 rpm - 3750 rpm max
- OEM and aftermarket parts available
- Optional fan available for additional cooling
- Applications include concrete buggies, walk behind and ride-on trowels, UTVs, ATVs, etc.

500 SERIES



40 SERIES



500 SERIES TORQUE CONVERTER SYSTEM allows peak torque input and downshifts automatically to match load requirements. This compact clutch also changes the ratio between the drive and driven pulleys so that the engine can maintain its peak power output.

Torque sensitive drives are particularly suited to those applications where immediate response to torque demand is required for down shifting and engine speed is ideally maintained at its peak rpm.

- Drive belt - .920" top width with symmetrical angles
- 7-1/2" driven .81:1 high, 3:34:1 low ratio
- 8-1/2" driven 1.04:1 high, 3.76:1 low ratio
- 4 cycle-all engines up to 18 hp, 2 cycle 25 hp
- Drive clutch bore series - available in 20 and 25 mm as well as 1"
- Driven unit 7-1/2" diameter, 3/4" and 1" bore and 8-1/2" diameter with 3/4" bore
- Quiet dependable operation with field proven performance
- OEM and aftermarket parts available
- Applications include walk behind and ride-on trowels, concrete buggies, material handling equipment, ATVs and UTVs

THE RUGGED 40 SERIES TORQUE CONVERTER is composed of heavy gauge stamped steel to withstand the extreme rigors of rough applications.

Torque sensitive drives are particularly suited to those applications where immediate response to torque demand is required for down shifting and engine speed is ideally maintained at its peak rpm.

- Torque sensitive drive system that is infinitely variable from engagement to the highest speeds attainable (within the pitch diameter range)
- Recommended on 4 cycle engines 8 - 18 hp
- Symmetrical drive belt: 7/8" top width
- Drive clutch bore size: 1", 1/4" key
- Drive clutch engagement range: 1600 rpm minimum, 2600 rpm max
- Speed reduction ratios using 40D, 7-1/2" diameter - 2.43:1 low, 1:1 high,
- Speed reduction ratios using 44D, 8-1/2" diameter - 2.83:1 low, 1.24:1 high
- Applications include material handling, construction equipment such as compactors, brush cutters and UTVs

44C MAGNUM



CENTRI-DYNE INDUSTRIAL CLUTCH



* Lining now available in service kits

44C MAGNUM continuously variable transmission is a symmetrical clutch designed to withstand the extreme rigors of rough applications. By changing pucks and springs, the clutch can be converted from the standard 4 cycle setup to be used on 2 cycle engines.

The 44C Magnum CVT clutch is the answer whenever there is a need for a torque sensitive drive system device that is infinitely variable from engagement to the highest speeds attainable (within the pitch diameter range).

- Recommended hp minimum 8 up to 18 hp for 4 cycle engines
- Drive belt: 7/8" top width, symmetrical type
- Drive clutch bore sizes: 3/4", 1", 1-1/8"
- 40D driven bore sizes: 5/8", 3/4", 7/8"
- 44D driven bore sizes: 5/8", 3/4"
- Speed reduction ratios using 40D, 7-1/2" diameter - 2.43:1 low, 1:1 high
- Speed reduction ratios using 44D, 8-1/2" diameter - 2.83:1 low, 1.24:1 high
- Optional fan available for additional cooling
- OEM modifications possible to alter belt widths
- Applications include material handling, compactors, brush cutters, other construction equipment, ATVs, UTVs and go-karts

CENTRI-DYNE INDUSTRIAL CLUTCH is designed for 4-cycle engine applications with operating speeds up to 4000 maximum rpm for engines up to 60 hp.

- Completely automatic operation for gasoline or diesel engines
- Load to the engine is smoothly and automatically applied by control of the driving engine's throttle
- Rugged, cast construction for engines subjected to hard use
- Profit-producing performance due to durability and dependability
- Unique 360° friction lining
- Sealed ball bearings
- Model 600 for engines up to 28 hp
- Model 1200 for engines 8 - 38 hp
- Model 1800 for engines 30 - 60 hp
- Applications include air compressors, concrete vibrators, plaster and concrete pumps, general use pumps, crushers, vibrating compactors, sprayers and portable conveyors

FIXED RATIO INDUSTRIAL CLUTCHES

Comet's industrial cast iron pulley clutches are made for 4 cycle engines up to 8 hp. Benefits include:

SCP-IC SELF-CONTAINED SINGLE PULLEY CLUTCH



SCP-IC SELF-CONTAINED SINGLE PULLEY CLUTCH



SCDP-IC SELF-CONTAINED DOUBLE PULLEY CLUTCH



- Long wearing shoes provide quiet and smooth engagement
- Double sealed roller type bearings are precision ground, packed with hi-temperature grease
- Drum and pulley are one piece cast iron construction for rugged durability
- Engagement speed is 1600 rpm
- Applications include plate compactors, concrete pumps, compressors, band saws and chippers

SCP-1C SELF-CONTAINED SINGLE PULLEY CLUTCH

- Bore 3/4", 3/16" keyway, pitch 3.54 - 4.00, pulley diameter 4.07"
- Bore 7/8", 3/16" key, pitch 3.54 - 4.00, pulley diameter 4.07"
- Bore 1", 1/4" key, pitch 3.54 - 4.00, pulley diameter 4.07"
- Bore 1", 1/4" key, pitch 3.23 - 3.69, pulley diameter 3.75"

SCP-1C SELF-CONTAINED SINGLE PULLEY CLUTCH

- Bore 3/4", 3/16" keyway, pitch 4.85 - 5.31, pulley diameter 5.37"
- Bore 7/8", 3/16" key, pitch 4.85 - 5.31, pulley diameter 5.37"
- Bore 1", 1/4" key, pitch 4.85 - 5.31, pulley diameter 5.37"

SCDP-1C SELF-CONTAINED DOUBLE PULLEY CLUTCH

- Bore 3/4", 3/16" keyway, pitch 4.34 - 4.81, pulley diameter 5"
- Bore 1", 1/4" key, pitch 4.34 - 4.81, pulley diameter 5"

350 SERIES AUTO CENTRIFUGAL CLUTCHES

Comet's solid steel pulleys are the most rugged in the industry. Thanks to the design and rugged construction of the SCP 350 series, this self-contained pulley clutch is a leader in its class when it comes to durability.

SCP 350 SELF-CONTAINED SINGLE PULLEY



SCDP 350 SELF-CONTAINED DOUBLE PULLEY



The adjustable shoe settings provide better control of acceleration and greater overload protection for moderate to fast starting requirements. This 350-series runs cooler and lasts longer with less maintenance required than many other clutches.

The 350-series clutch is made for tough service application requirements.

Applications include go-karts, mini-bikes, oil exploration drills, and siding manufacturing machines.

SCP 350 SELF-CONTAINED SINGLE PULLEY

- Bore size 5/8", 3/4" with 3/16" keyway
- Bore size 7/8", 5/32" keyway
- Bore size 1", 1/4" key
- Pitch diameters either 2.63 or 3.09, pulley diameter 3"

SCDP 350 SELF-CONTAINED DOUBLE PULLEY

- Bore size 3/4", 3/16" keyway
- Bore size 1", 1/4" key
- Pitch diameters either 2.38 or 2.88, pulley diameter 3"

COMET GP-730A CLUTCH LUBE



Comet GP-730A Clutch Lube is a dry film lube that works wonders for clutch systems

- Bonds to most ferrous and non-ferrous metals as well as plastics, fibrous wood, glass, rubber and many other friction surfaces
- Non-corrosive, inert to water, oil and many acids, solvents and alkalis; contains no oil, grease, wax or silicone
- Will not attract dust or dirt
- Greatly lowers metal-to-metal contact and reduces power consumption and torque loss
- Attractive bulk pricing

BELTS



- High-performance belts manufactured to enhance your machine's overall performance
- Wide variety of belts covers all applications that use belts to transmit power in the industrial, recreational, and construction industries
- Don't see a belt that will fit your needs?
Contact us and we'll work with you to find a solution.

BRAKE DRUM AND HUB



- Band brakes are compact, rugged, and can generate powerful braking capability with light input force
- Our band brakes can be used as a primary, to slow the vehicle (a dynamic brake) or secondary to prevent rotation (a static or "holding" brake)
- Custom hubs are available by special request
- Applications include winch drums (holding brake), go-karts, utility equipment, UTVs/ATV,s mini-bikes, and general lawn and garden products

Notes



**For work or play, count on Comet
to get you to the finish line faster!**

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