

# Save time, money and come-backs!

Order a Johnson TORQUE LIMITER from your Distributor today!  
Used with a pneumatic or socket wrench (excluding impact wrenches),  
it helps limit running torque to help prevent crushing the gasket.

Johnson Torque Limiters are available for both  $\frac{3}{8}$ " and  $\frac{1}{2}$ " drives.  
Each one is pre-set at either 15 foot pounds for use  
with  $\frac{1}{16}$ " regular gasket tapes, or 20 foot pounds  
for  $\frac{1}{8}$ " double-thick gasket tapes.

Please order by part number.



*It Can  
Be Done  
With  
JOHNSON*

## JOHNSON TORQUE LIMITERS

PART NO.	DRIVE SIZE	TORQUE
283-01	$\frac{3}{8}$ " Drive	15 Ft. Lbs.
283-02	$\frac{3}{8}$ " Drive	20 Ft. Lbs.
283-11	$\frac{1}{2}$ " Drive	15 Ft. Lbs.
283-12	$\frac{1}{2}$ " Drive	20 Ft. Lbs.

### REGULAR GASKET TAPE (Brown)

- 235-01  $\frac{1}{16}$ " x 100 Ft. Single Pack Roll
- 235-02  $\frac{1}{16}$ " x 100 Ft. Case of 10 Single Rolls
- 235-03  $\frac{1}{16}$ " x 100 Ft. Case of 10 Bulk Pack
- 235-04  $\frac{1}{8}$ " x 50 Ft. Single Pack Roll
- 235-05  $\frac{1}{8}$ " x 50 Ft. Case of 10 Single Packs

NEW

### PREMIUM GASKET TAPE (Green)

- 235-21  $\frac{1}{16}$ " x 100 Ft. Single Pack Roll
- 235-22  $\frac{1}{16}$ " x 100 Ft. Case of 10 Single Rolls
- 235-23  $\frac{1}{16}$ " x 100 Ft. Case of 10 Bulk Pack
- 235-24  $\frac{1}{8}$ " x 50 Ft. Single Pack Roll
- 235-25  $\frac{1}{8}$ " x 50 Ft. Case of 10 Single Packs
- 235-27  $\frac{1}{16}$ " x 8" Wide x 50 Ft. Single Roll
- 235-28  $\frac{1}{16}$ " x 6" Wide x 10 Ft. Single Roll
- 235-29  $\frac{1}{16}$ " x 6" Wide x 10 Ft. Case of 10
- 235-30  $\frac{1}{16}$ " x 6" Wide x 100 Ft. Single Roll

*Use only JOHNSON brand Gasket Tapes for  
best results with each application . . . . .*

**GASKET TAPE APPLICATION INSTRUCTIONS SHOWN ON OTHER SIDE**

## JOHNSON'S PREMIUM GASKET TAPE INSTALLATION!

Johnson's Premium Gasket Tape has no cloth backing. Avoid stretching this material when pre-punching bolt holes or when installing this tape on the header or tank. For best results, please consider the following:

(1) Proper preparation of the tank and header surfaces before installing a new gasket or gasket tape is essential. Unless corrected, any damaged or irregular surfaces may make it impossible to form a tight tank-to-header seal.

(2) Remove backing and apply gasket tape to a clean, flat, dry header or tank flange. Sand blasting these mating surfaces helps reduce the extrusion of gasket tapes.

(3) Cut out the bolt holes. It is not a good practice to punch or turn bolts through compressible gaskets or gasket tapes.

(4) Do not apply any separate adhesive or RTV Silicone as it may chemically degrade this gasket tape and/or contribute to its extrusion, crushing and premature failure.

(5) Puzzle cut the corners or overlap the short end

pieces by  $\frac{1}{4}$ " on each long side piece. Not a full overlap!

(6) Do not over-torque header bolts! Most  $\frac{1}{16}$ " thick gasket tape applications call for 13-15 foot pounds of torque, evenly applied to  $\frac{5}{16}$ " dia. bolts, spaced in a regular pattern of  $1\text{-}\frac{1}{2}$ ", or more between centers; 18-20 foot pounds for  $\frac{1}{8}$ " thick gasket tapes. Notice: Somewhat less torque is suggested for larger diameter bolts and/or bolts that are spaced closer together.

(7) Gasket tapes relax (lose some of their memory) so after 15 minutes, re-torque all the bolts using the original setting, as well as to insure that none were missed.

(8) Using new grade 5 bolts, flat washers, lock washers and nuts greatly optimizes running torque.

(9) Caution: On low-flow radiators where RTV is used to seal the baffle, allow sufficient time for the silicone to cure before introducing coolant into the radiator.

(10) Provide torque information (par 6) as necessary, to installers with a history of tightening header bolts.

## JOHNSON'S STANDARD GASKET TAPE INSTALLATION!

Johnson's Standard Gasket Tape may be difficult to air test in radiators due to tiny air leaks through its cloth backing. Tests show however, when this gasket tape is exposed to coolant (as in actual use), it forms a tight seal, with no field problems anticipated.

For best results, please consider the following:

(1) Proper preparation of the tank and header surfaces before installing a new gasket or gasket tape is essential. Unless corrected, any damaged or irregular surfaces may make it impossible to form a tight tank-to-header seal.

(2) Remove backing and apply gasket tape to a clean, flat, dry header or tank flange. Sand blasting these mating surfaces helps reduce the extrusion of gasket tapes.

(3) Cut out all bolt holes. Never create the holes by punching or turning the bolts through this gasket tape.

(4) Do not apply a separate adhesive or RTV Silicone as it may chemically degrade this gasket tape and/or contribute to its extrusion, crushing and premature failure.

(5) Puzzle cut the corners or overlap the short end pieces by  $\frac{1}{4}$ " on each long side piece. Not a full overlap!

(6) Do not over-torque header bolts! Most  $\frac{1}{16}$ " thick gasket tape applications call for 13-15 foot pounds of torque, evenly applied to  $\frac{5}{16}$ " dia. bolts, spaced in a regular pattern of  $1\text{-}\frac{1}{2}$ ", or more between centers; 18-20 foot pounds for  $\frac{1}{8}$ " thick gasket tapes. Notice: Somewhat less torque is suggested for larger diameter bolts and/or bolts that are spaced closer together.

(7) Gasket tapes relax (lose some of their memory) so after 15 minutes, re-torque all the bolts using the original setting, as well as to insure that none were missed.

(8) Using new grade 5 bolts, flat washers, lock washers and nuts greatly optimizes running torque.

(9) Caution: On low-flow radiators where RTV is used to seal the baffle, allow sufficient time for the silicone to cure before introducing coolant into the radiator.

(10) Provide torque information (par 6) as necessary, to installers with a history of tightening header bolts.

### LIMIT OF LIABILITY:

*The information contained in this publication has been compiled from sources believed to be reliable and to represent the best information available to Johnson Manufacturing Company at time of printing. No warranty, guarantee or representation is made by Johnson Manufacturing Company, nor does Johnson Manufacturing Company assume any responsibility in connection therewithin; nor can it be assumed that all acceptable safety measures or other measures may not be required under particular, or exceptional conditions or circumstances.*



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**GASKET TAPE & TORQUE LIMITER INFORMATION SHOWN ON OTHER SIDE**