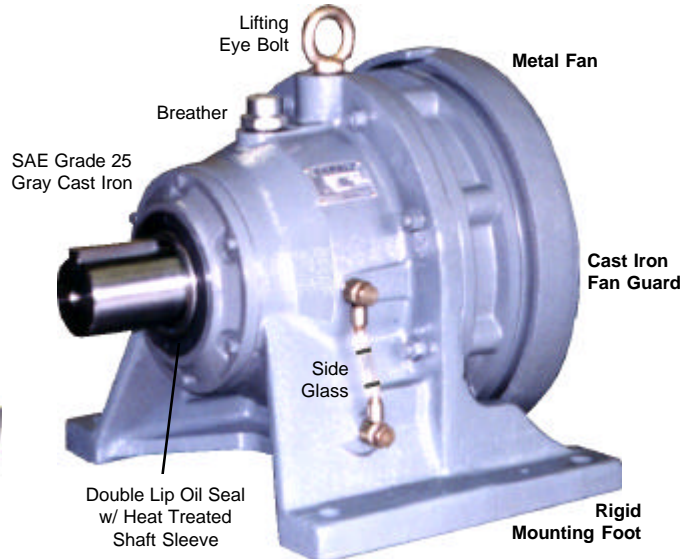


DARALI® DRIVES Design Features

① The torque transmitting components of DARALI® DRIVES utilize superior quality bearing grade steel produced by world class steel companies in **GERMANY** and **SWEDEN** .



② DARALI® DRIVES utilize excellent quality rolling bearings manufactured by the following companies: **NSK**, **SKF**, **FAG**, **NTN**, **KOYO**, and **NACHI**.



◆ 500% SHOCK LOAD CAPACITY -

Superior ***industry-proven*** and ***application-proven*** cycloidal design unparalleled by helical, planetary, or worm gear speed reducers. Utilizing compression contact on 66% of ring gear pins/rollers. No gear teeth to break off; catastrophic failure cannot occur.

◆ HOUSING -

Standard SAE Grade 25 (JIS FC25) gray cast iron provides ***rigid structural integrity***. SAE Grade 45 (JIS FCD45) ductile iron housing with double-row spherical roller bearing is also available for severe applications.

◆ OUTPUT SHAFT -

AISI 1055 (JIS S55C) forged steel with oversized bearings for excellent overhung load capacity and outstanding performance.

◆ INPUT SHAFT -

AISI 4340 (JIS SCM4) carbon molybdenum steel.

◆ SHAFT SLEEVE -

Heat treated, hardened, and ***tempered*** shaft sleeve for optimum oil seal performance; no worries for oil leakage !!

◆ DUAL LIPS OIL SEAL -

Keeps lubricant in; keeps dirt out.

◆ DIRECT DROP-IN FIT -

Major dimensions such as bolt hole pattern, shaft center height, shaft diameter are identical to other cycloidal reducers in the market.

◆ TORQUE TRANSMITTING COMPONENTS -

AISI 5100 (JIS SUJ2) high carbon chromium bearing grade steel ***through-hardened*** via heat treatment and tempered to ***H_RC 61-63***. Excellent characteristic against wear, and provides superior long service life.

◆ CAST IRON FAN GUARD -

and metal fan blade can be used for chemical duty. Strong resistance against damage during transit and disassembly.

◆ SIMPLE MAINTENANCE -

lifetime grease lubrication or easy-to-replenish oil lubrication.

◆ BREATHER FILLER CAP -

large oil filler hole. Oil cap also functions for pressure release purpose.

◆ SIDE GLASS (Oil Lubricated Models) -

For easy oil level and clarity reading. It can be installed on either side. Markers also on the side glass to show how much oil to fill.

◆ DRAIN PLUGS (Oil Lubricated Models) -

Two drain plugs for simple oil replacement.

◆ RIGID MOUNTING FOOT DESIGN -

High structural integrity to resist shock load.

◆ LIFTING EYE BOLT -

Frame size B16 and above are furnished with lifting eye bolt for easy handling.