

- NOTE:**
- ALL POINTS AVAILABLE FOR TESTING ARE CODED
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Technical drawing of a bolt and nut assembly. The drawing shows a bolt with a hexagonal head and a nut. Dimensions and specifications are provided for both components.

Bolt Specifications:

- Ø 14.0-0.2 DRILL THRU.
- 8 HOLES EQUALLY SPACED
- USE GRADE 5 PROPERTY CLASS QUALITY CAPSCREWS PER S.A.E. J429 AND TORQUE PER S574 OR SERVICE
- USE HARDENED FLAT STEEL WASHERS, R30N 61 MIN. UNDER SCREW HEADS
- 25.4
- 13.2
- 6.35

Nut Specifications:

- Ø 11.9 DRILL THRU.
- 12 HOLES EQUALLY SPACED
- USE GRADE 5 PROPERTY CLASS QUALITY CAPSCREWS PER S.A.E. J429
- USE HARDENED FLAT STEEL WASHERS, R30N 61 MIN. UNDER SCREW HEADS
- GRADE 5 MIN. AND TORQUE 71 Nm

USE HARDENED FLAT STEEL
WASHERS, R30N 61 MIN.
UNDER SCREW HEADS

SAE #1
MUST CONFORMS TO SAE J617

SECTION A-A

THREAD, 25.4 DEEP
S (6 EACH SIDE)
(12) HOLES FOR MOUNTING
GRADE 5 QUALITY CAPSCREWS
E. J429 AND TORQUE TO
SERVICE MANUAL VALUES.

Ø 16.7 DRILL THRU...
4 HOLES FOR M16x2 STD.
EYE BOLTS WITH NUTS
THESE HOLES MAY BE
USED FOR LIFTING MARINE
TRANSMISSION ONLY

MAIN PRESSURE—
M12x1.5 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 16±1.5Nm
CONNECT OIL PRESSURE GAUGE
LINE HERE

SECONDARY CLUTCH—
PRESSURE PORT
M14X1.5 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 20±2 Nm

SECONDARY LUBE PRESSURE PORT—
M14X1.5 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 20±2 Nm

WATER OUTLET
(INNER DIAMETER $\phi 53.0$)

LUBE PRESSURE PORTS:
2 AT EACH SIDE OF COOLER
M14x1.5 METRIC PORT
CONFORMS TO IS 6149
TIGHTENING TORQUE 20-2 Nm

PRIM
CLUTCH SHA

LUBE PRESSURE PORT
M14X1.5 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 20 ± 2 Nm

SECONDARY CLUTCH
PRESSURE PORT
M14X1.5 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 20±2 Nm

SECONDARY CLUT

OIL STRAINER
M8X1.25 TAP, 7.6 DEEP
90mm CLEARANCE REQUIRED
TO REMOVE SUCTION SCREEN

Ø22.6 (57/64") DRILL THRU., 6 HOLES
BASED ON 8 HOLES EQUALLY SPACED
USE PROPERTY CLASS 10.9 OR
EQUIVALENT PER S.A.E. J429 AND
TIGHTEN PER S574

OIL DRAIN PLUG
M27x2.0 METRIC PORT
CONFORMS TO ISO 6149
TIGHTENING TORQUE 75±7 Nm
20.0mm CLEARANCE REQUIRED

TARGET WHEEL: 64 TEETH

EQUIPMENT SHOWN:
 - MG-5114SC-HD PER PX13155 ASSEMBLY
 - SAE #1/SAE 355 VULKAN VKE-4010 SERIES
 - MECHANICAL CONTROL VALVE WITHOUT TROLLING
 - SAE 127-4 PTO ADAPTER W/ HEAT EXCHANGER BRACKET
 - PM13008 MOUNTED HEAT EXCHANGER GROUP
 - PX9842 COMPANION FLANGE

FIRST USE ASSEMBLY:	WEIGHT: 340.98
FIRST USE MODEL:	
SIMILAR TO:	WIR ² : k)
METRIC	
NOTICE! THIS PRINT CONTAINS PROPRIETARY INFORMATION AND IS NOT TO BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF TWIN DISC, INCORPORATED	

	MATERIAL:
	HEAT TREAT:
UNLESS OTHERWISE SPECIFIED MACHINED DIMENSIONS X .0005 X .001 X .002 X .005 X .010 ALL ANGULAR TOLERANCES ±1° (GEOMETRIC TOLERANCING)	DESCRIPTION: INSTALLATION

DATE:	01/07/2014	 RACINE, WI 53403 - USA PX13251	
SCALE:	1:2		
DRAWN BY:	PM		
CHECKED BY:	BF		
APPROVED BY:	DWG	SHEET:	REV

-	NDWF-50245	02/12/2014
ITEM	CHANGE NO.	DATE

RACINE, WI 53403 - USA
 DV10051

PXL3251

DWG SIZE: A0	SHEET: 1 OF 1	REV: -
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