

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

STEP 1

GREASE FREE SURFACES

CLEAN MATING SURFACES FREE OF GREASE

STEP 2

REMOVE SET SCREW

STEP 3

IF THE MOTOR HAS A KEYWAY, REMOVE IT

STEP 4

FIT THE MOTOR IN THE GEARBOX

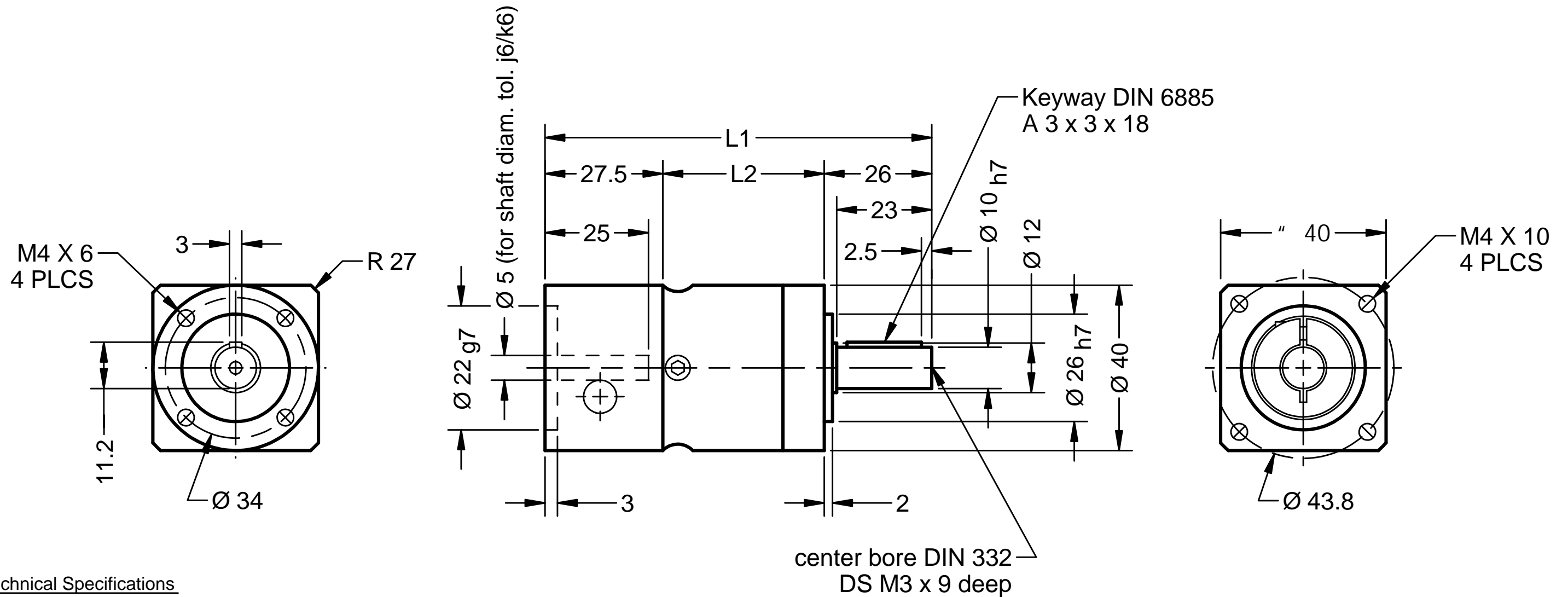
STEP 5

MOUNT MOTOR TO GEARBOX WITH SCREWS PROVIDED

STEP 6

TIGHTEN COUPLER AND REPLACE SET SCREW

		ANAHEIM AUTOMATION 910 EAST ORANGEFAIR LANE ANAHEIM, CA. 92801-1195	
<small>THIS DRAWING OR DOCUMENT AND THE INFORMATION SET FORTH HEREIN ARE THE PROPERTY OF ANAHEIM AUTOMATION AND SHALL NOT BE USED OR DISCLOSED EXCEPT IN ACCORDANCE WITH ITS WRITTEN PERMISSION.</small>		<small>TITLE</small> PLE GEARBOX TO MOTOR MOUNTING INSTRUCTIONS	
<small>REFERENCE DRAWINGS</small> UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES ANGLES ±1/2 DEGREES	<small>MATERIAL</small> FINISH	<small>SIZE</small> C	<small>DATE</small> 11-3-05 <small>DRAWING NO.</small> AA4485 <small>REV</small> 1 OF 1
<small>DRAWN</small> T. RAINES <small>APPROVED</small>	<small>SCALE</small> 1/1 <small>MODEL</small>	<small>SHEET</small> 1 OF 1	



Technical Specifications

planetary gear: straight - toothed
 output shaft bearing: grooved ballbearing
 -max. axial load: 200N by $n_2=100 \text{ min}^{-1}/Fr=0$
 -max. radial load: 200N by $n_2=100 \text{ min}^{-1}/Fa=0$
 -ref. on shaft center / $Lh=10.000h/T=30^\circ \text{ C}$
 backlash= $[x] <= 24/28/30 \text{ arcmin}$
 -ref. on output shaft
 recommended motor speed: $n_1 <= 4500 \text{ min}^{-1}$
 -for $i=3$ $n_1 <= 3000 \text{ min}^{-1}$
 lubrication: life grease lubrication
 max. operation temp.: $-25^\circ \text{ C}/+90^\circ \text{ C}$
 efficiency: by rated load 96%/94%/90%
 nominal output torque by $n_2=100 \text{ min}^{-1}$
 sealing: ball bearing 2RS
 motor mounting: M2(stocked driving pinion)
 -torque of clamping screw: 2Nm
 method of working: S1
 operation ratio: $cB=1$
 protective system: IP54
 max. motor weight: static 2kg

	1-stage		2-stage		3-stage	
L1	92.5		105.5		118	
L2	39		52		64.5	
	$i=$	Mn	$i=$	Mn	$i=$	Mn
	3	4.5Nm	9	16Nm	60	20Nm
	4	6.0Nm	12	20Nm	80	20Nm
	5	6.0Nm	15	18Nm	100	20Nm
	8	5.0Nm	16	20Nm	120	18Nm
			20	20Nm	160	20Nm
			25	18Nm	200	18Nm
			32	20Nm	256	20Nm
			40	18Nm	320	18Nm
			64	7.5Nm	512	7.5Nm

Mn = nominal output torque at output shaft

Dimensions without tolerance instructions according to DIN ISO 2768-m-H

Modification reserve!
 Consider motor fitting instructions!

Material:
 output shaft: Ck 45
 output flange: aluminum untreated
 housing: steel - black
 input flange: aluminum untreated

22 g7	+0.028 +0.007
26 h7	0 -0.021
10 h7	0 -0.015
fit	limits

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REFERENCE DRAWINGS		TITLE GEAR BOX - GBPN-040X-XXX-17-197	
MATERIAL		FINISH	
DRAWN T. RAINES		APPROVED	
SIZE B	DATE 10-23-06	DRAWING NO. AA4488	REV.
SCALE 1 / 1	MODEL	SHEET 1 OF 1	