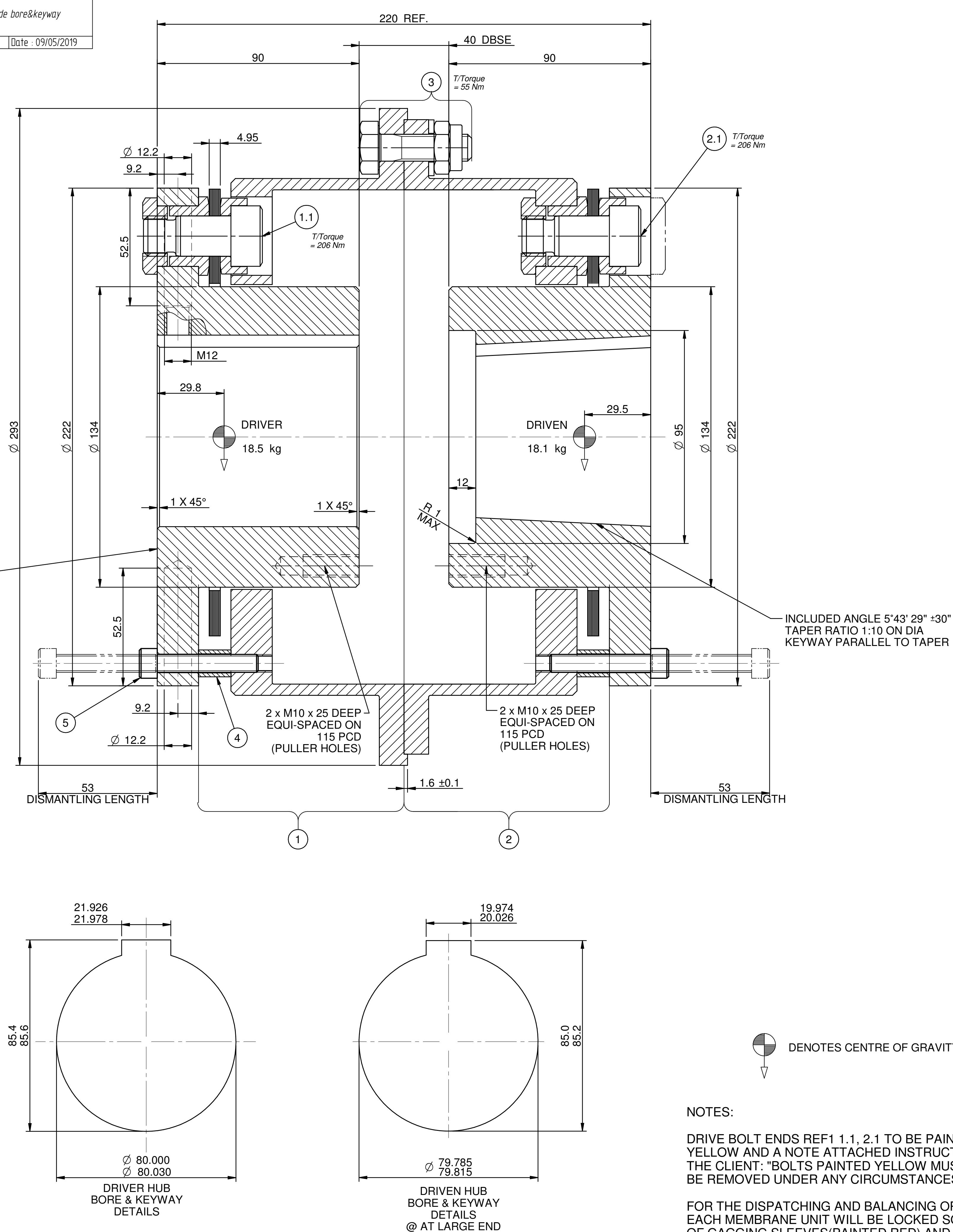


A	Ref :	B	Ref : GCN#160883
- First issue		- Driven side bore&keyway updated	
Drawn : OR	Date : 24/10/2018	Drawn : JS	Date : 09/05/2019



Ref	Part No.	Mat'l Code	Drawing Number - Legacy Code	Description	Material Specification	Qty
1	90504406	FX01	K0039642FX01	MEMBRANE UNIT ASSEMBLY	STANDARD MATLS 'O' TYPE	1
2	90504407	ASSY	K0039643ASSY	MEMBRANE UNIT ASSEMBLY	NON STANDARD MATLS 'W' TYPE	1
3	87369196	FX01	FT365	STRIPPER BOLT ASSEMBLY	STANDARD MATLS 'O' TYPE	1
4	87010486	0400	1851-0105-0001	GAGGING SLEEVE	A29(1213-1215-12L14)	6
5	81673928	0225	1412-3145-0040	GAGGING BOLT	A574 (CHc)	6
			I - TSKL-0813	FITTING & MAINTENANCE INSTRUCTIONS		1

MATERIAL	SPECIFICATION	ASTM	DESIGNATION
0453	X12 Cr Ni 17-7 1/2 dur	A666 (UNS30100 AISI301)	Membrane
0402	C22E TYS(min) = 200MPa	A29(1020/1040/1045)	Spacer + Driver side hub
0401	S250 12 MF 4	A29(1213-1215-12L14)	Overload collar + Locknut + Sleeve
0336	42 Cr Mo 4 TYS(min) = 635MPa	A29(4140)	Drive bolt
0418	ISO gr 8.8 TYS(min) = 627MPa	A354/A449/F3125 (H)	Stripper bolt
0400	S250 11Mn Pb37 TYS(min) = 215MPa	A29(1213-1215-12L14)	Washer + Gaggling sleeve
1064	Iso grade 8 zinc plate TYS(min) = 785MPa	A325 / A449	Locknut
0225	ISO gr12.9 TYS(min) = 1058MPa	A574 (CHc)	Gagging bolt
0335	42 Cr Mo 4 TYS(min) = 540MPa	A29(4140)	Driven side hub
FX01	Item 1 Composed of: 0453 + 0402 + 0401 + 0336		
ASSY	Item 2 Composed of: 0453 + 0402 + 0401 + 0336 + 0335		
FX01	Item 3 Composed of: 0418 + 0400 + 1064		

John Crane reserve the right of using raw materials of an equal or superior quality level to the material indicated above.

APPLICATION FACTOR	1.85
COUPLING RATING	500 kW/1000 RPM

COUPLING CAPABILITY		
RATED TORQUE [Nm]	PEAK TORQUE [Nm]	SPEED RPM
4775	11937,5	4000

BALANCING DATA	
SPECIFICATION:	Inherent balance only to AGMA 9000-C90 class 9

TECHNICAL DATA		Note: Torsional Stiffness Based on (1/2 Parallel) or (1/3 Taper) shaft Penetration		
REF.	COMPONENT	WEIGHT [kg]	INERTIA [kg m ²]	TS [Nm/rad]
1	TRANSMISSION UNIT	17,9	0,2088	1,43
2	DRIVER HUB	9,3	0,0436	7,06
3	DRIVEN HUB	9,4	0,0436	10,29
-	TOTALS	36,6	0,2960	1,07

MISALIGNMENT CAPABILITY						
AXIAL DEFLECTION		AXIAL FORCE		PARALLEL LATERAL MISALIGNMENT	ANGULAR MISALIGNMENT	ANGULAR STIFFNESS
[mm]		[kN]				
NORMAL	TRANSIENT	NORMAL	TRANSIENT			
±3,25	±4,88	1,08	2,43	±1,47	0,5	81,4

RECOMMENDED SPARES			
REF.	COMPONENT	SPARES PART No.	QTY.
1	MEMBRANE UNIT ASSEMBLY	K0039642FX01	1
2	MEMBRANE UNIT ASSEMBLY	K0039643ASSY	1
3	STRIPPER BOLT ASSEMBLY	FT365	1

COUPLING DUTY			
DUTY	POWER	SPEED	TORQUE
NORMAL	800 KW	2970 RPM	2572 N•M

CUSTOMER DATA				
CUSTOMER:	VLAVES	PO No	17/3435	ITEM
CUSTOMER DRGS				
JOHN CRANE REF		GPN	90504409	QTY
IPROJECTS No:	DOR124438			
PLANT ITEM No	REF. NO.: 18 06006-0230BA			
END USER:				
END USER LOCATION				
DRIVEN EQUIPMENT		DRIVER EQUIPMENT		

	COUPLING DESIGNATION	TSKL/0500/KA/GA220744
	COUPLING DESCRIPTION	TSKL-0500-W077-0400

SCALE		31 DATE YYYY-MM-DD	DRAWN	CHECKED	APPROVED	DESIGN AUTH.
1:1		2018-10-24	OR	JS	MP	CZ02

	DRAWING No.	SHEET No	ISSUE
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	GA-220744	1/1	B
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