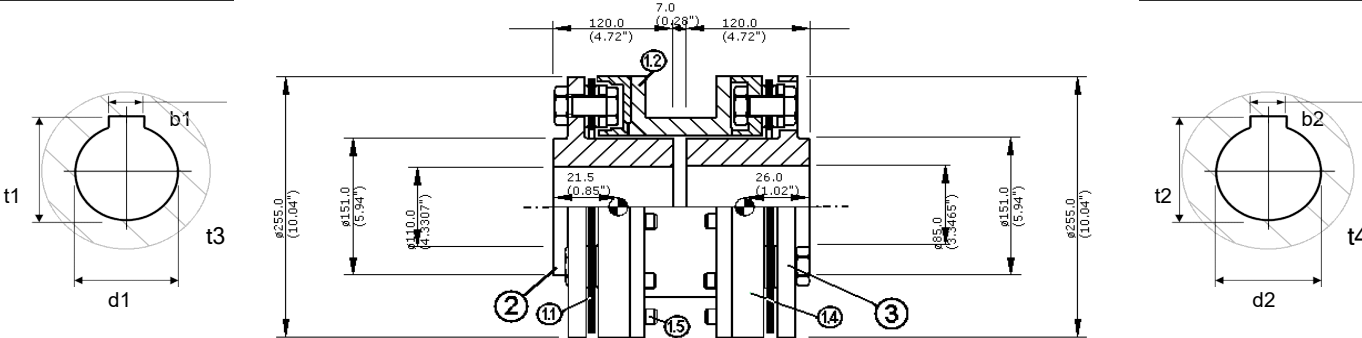
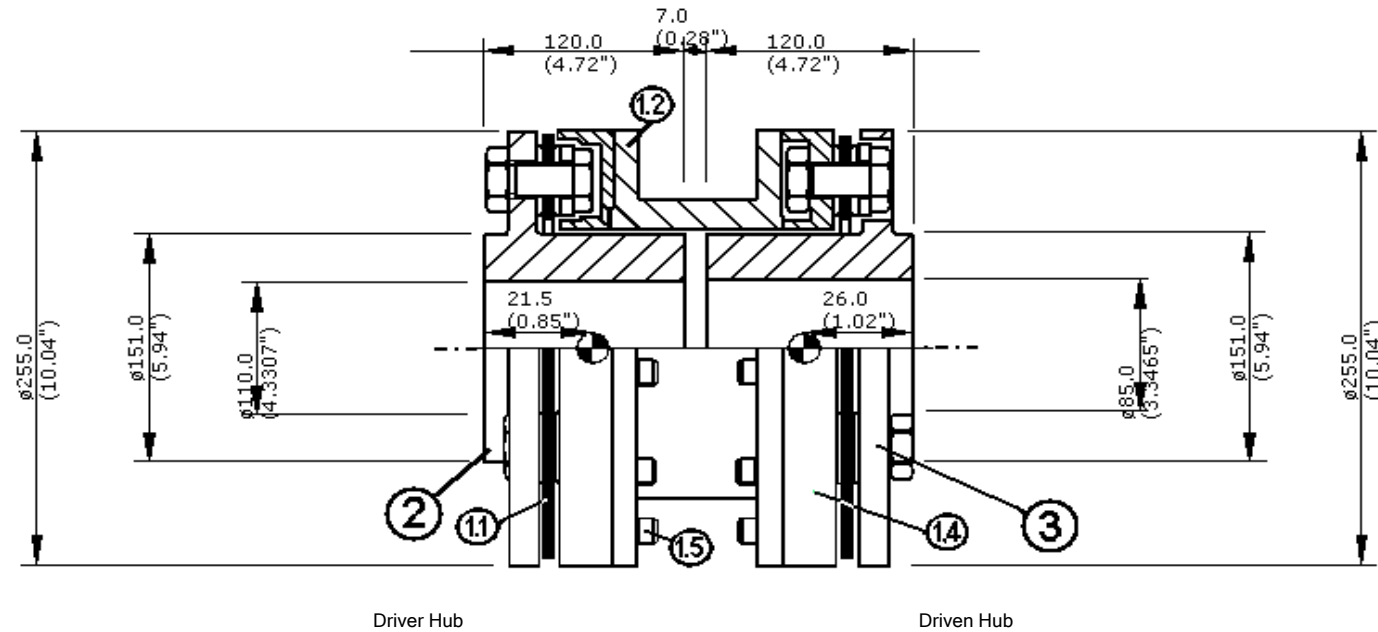


K Select Record No.		17355 / 2		
Coupling Code (LPN)				
Coupling Description		TSRC-0740-0077-0000		
0 - Standard construction				
JC Job Ref.	86006-0626BA	Project No		
Customer		Customer's Order No.		Plant Item No.
Valves Sofia		07/1743 (07/30749)		5,6 VC 21,22 D 11
Duty Conditions		Power	Speed	Torque
		400.0 kW	750 rpm	5093 Nm
Coupling Data		Rating	Peak Torque Capacity	Appl. Factor
		740 kW/1000rpm	14134 Nm	1.39
Quality Code QS01 0000000				ATEX Category M2 & 2GD
				
M16 Setscrew over key			M12 Setscrew over key	
Hub Bore for driving side				
Description		TR8C00/110BE		
Dimension		mm		
d1	110.000 110.035	4.3307"	4.3321"	H7
b1	28.065 28.149	1.1049"	1.1082"	
t1	116.400 116.600	4.583"	4.591"	
t3		0.0000"	0.0000"	
b1 Specification BS4235 Pt1 - D10				
Customer's Drawing Number				
Hub Bore for driven side				
Description		TR8C00/085BE		
Dimension		mm		
d2	85.000 85.035	3.3465"	3.3478"	H7
b2	22.065 22.149	0.8687"	0.8720"	
t2	90.400 90.600	3.559"	3.567"	
t4		0.0000"	0.0000"	
b2 Specification BS4235 Pt1 - D10				
Customer's Drawing Number				
Parts List				
	Part No. {old part no.}	Description	Quantity	
2		Driver Hub - bored	1	
2.1	1332-4721-3040(ref.)	M16(ref.)	1	
3		Driven Hub - bored	1	
3.1	1332-3815-3040(ref.)	M12(ref.)	1	
1		Transmission Unit (=spacer + 2 membrane units)	1	
1.1	7983-0740-4700	Membrane Kit (including fixings)	2	
1.1c	7984-0740-4700	Membranes-only Pack	2	
1.2	7772-0740-0484	Spacer	1	
1.4	7387-0740-0484	Guardring	2	
1.5	FT348	Bolt Set - Spacer	1	
	7528-0740-0484	Hub - Reversed (Unbored)		
	FT373	Bolt Set - Installation (Gagging)	per coupling	
	FT382	Sleeve set (Gagging)	1	
Technical Data				
Total weight		59.17 kg		
Moment of Inertia		0.4851 kg.m ²		
Torsional Stiffness ①		1.61640 MNm/rad		
Ang. Restoring Moment		142.00 Nm/deg.		
Max. Angular Offset		1/2°		
Max. Parallel Offset		± 1.40 mm		
Max. Axial Displacement		± 3.75 mm		
Axial Force at Max Displacement		3120 N		
Lateral Critical speed		120520760 rpm		
① including shaft end in hubs				
Date		2007-Sep-24		
Entered by		Martin Grepl		

Quality Code
QS01 0000000

ATEX Category M2 & 2GD

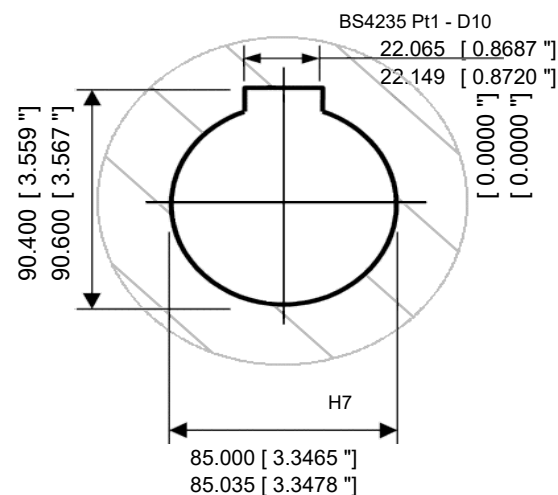
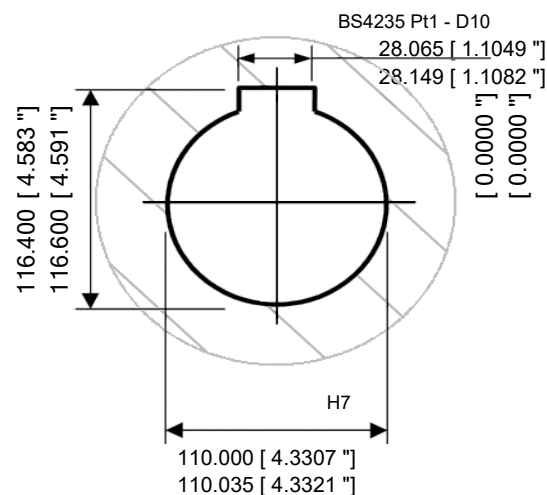


Hub Bore for driving side

Hub Bore for driven side

M16 Setscrew over key

M12 Setscrew over key



mm

Customer's Drawing Number

mm

Customer's Drawing Number

Units in mm & (inch) unless otherwise indicated

Materials		0 - Standard construction	Tightening torque
Item No.	Description	Materials	
2	Driver Hub - bored	Carbon Steel	
2.1	M16(ref.)	Carbon Steel	
3	Driven Hub - bored	Carbon Steel	
3.1	M12(ref.)	Carbon Steel	
1.1	Membrane Kit (including fixings)	Stainless Steel + Alloy Steel + Carbon Steel	
1.1c	Membranes-only Pack	Stainless Steel + Alloy Steel + Carbon Steel	
1.2	Spacer	Steel	
1.4	Guardring	Steel	
1.5	Bolt Set - Spacer	ISO Gr12.9 Alloy Steel	65 Nm
	Hub - Reversed (Unbored)	Steel	
	Bolt Set - Installation (Gagging)	ISO Gr12.9 Alloy Steel	

Balance Specification				
ISO 8821 - Half-Key Balance Convention				
0 inherent balance only to AGMA 9000-C90 class 8				
Technical Data				
Total weight	Weight of driving side	Weight of driven side	Lateral Critical speed	
59.17 kg	 27.78 kg	 31.39 kg	120520760 rpm	
Moment of Inertia	Inertia of driving side	Inertia of driven side	Torsional Stiffness	
0.4851 kg.m ²	0.2382 kg.m ²	0.2469 kg.m ²	1.61640 MNm/rad	
 including shaft end in hubs				
Max. Angular Offset	Max. Parallel Offset	Max. Axial Displacement	Axial Force at Max Displacement	Ang. Restoring Moment
1/2°	± 1.40 mm	± 3.75 mm	3120 N	142.00 Nm/deg

Coupling Description		TSRC-0740-0077-0000		
Parts List		Rec. Spare		
Item No.	Part No. {old part no.}	Description	Quantity	
2		Driver Hub - bored	1	
2.1	1332-4721-3040(ref.)	M16(ref.)	1	
3		Driven Hub - bored	1	
3.1	1332-3815-3040(ref.)	M12(ref.)	1	
1		Transmission Unit (=spacer + 2 membrane units)	1	
1.1	7983-0740-4700	Membrane Kit (including fixings)	2	✓
1.1c	7984-0740-4700	Membranes-only Pack	2	✓
1.2	7772-0740-0484	Spacer	1	
1.4	7387-0740-0484	Guardring	2	
1.5	FT348	Bolt Set - Spacer	1	✓
	7528-0740-0484	Hub - Reversed (Unbored)		
	FT373	Bolt Set - Installation (Gagging)	per coupling	✓
	FT382	Sleeve set (Gagging)	1	✓

Duty Conditions		
Power	Speed	Torque
400.0 kW	750 rpm	5093.0 Nm
Rating	Peak Torque Capacity	Appl. Factor
740 kW/1000rpm	14134 Nm	1.39

Customer Data		
Customer		
Vlaves Sofia		
Customer's Order No.	07/1743 (07/30749)	Plant Item No. 5,6 VC 21,22 D 11
JC Job Ref.	86006-0626BA	Item No.
Project No		

		K Select Record No.	
		17355 / 2	
Customer Drawing Ref.			
Date	Drawn by	Coupling Code (LPN)	
2007-Sep-24	Martin Grepl		