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## **REVISION RECORD SHEET**

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		Job No.	SR23006		Vendor to confirm all requirements of		
		_			clause 10 of API 571 about material		
		Purchase o			selection based on equipment service ha		
	COUPLING DATASHEET API 671 5th Edition	Inquiry No. Revision	NR-23-0404-1 1		been met and SCC may not be occur.		
	SI units	-	1		NARA REPLY) SCC can be prevented by		
1			TA (Continued)		applying electroless nickel plating.		
2	Flexible-element coupling :				(Additional costs apply)		
3		Compre	ession 🗌 Maximi	um axial def	lection (mm) ±5.4		
4	DIN 931 or 933 or other		Test of ANF (12.4.1)		ble materials grade 316 or 316L is strongly		
5	Maximum enclosur	speed (°C) 0.3.2	2.3)	recomm			
6	Grade 8.8, 10.9 , 12.9?	MATERI	ALS (10.1)		EPLY) A276-304 is our standard element		
7		ive end materia	ls		I and cannot be changed.		
8		08-1045 (SM45	C)	materia	Allocitot be changed.		
9	Spacer of 12.9 material are not	08-1045 (SM45	<b>Č</b> )		A108-1045 (SM45C)		
10	Sleeve	WA			N/A		
11		76-304 (STS30	,		A276-304 (STS304)		
12		08-1045 (SM45) 2-4140 (SCM44	,		A108-1045 (SM45C)		
13		08-1045 (SM45)	,		A322-4140 (SCM440) A108-1045 (SM45C)		
15	O Protective coating (	<ul> <li>Customer Spe</li> </ul>		nate			
16	☐ Internal teeth hardness (Rockwell C) (C.3.8)	Driver end actual			end actual		
17	External teeth hardness (Rockwell C) (C.3.8)	Driver end actual		Driven	end actual		
18		COUPLING H	UB MACHINING				
19			Driver end		Driven end		
20	O Type (integral, cylindrical, taper) (8.4 & 8.6.1.1)		Cylindrical		Integral		
21	O Keyed or hydraulically fitted (8.6.1.1 & 8.6.1.2)		Keyed		Bolt		
22	O Taper (1 deg. included angle, 1:24, 1:16.)		N/A		N/A		
23	(8.6.2.1, 8.6.2.2 & 8.6.2.3)		N/A		N/A		
24 25	<ul> <li>Keyway dimensions and number (8.6.3)</li> <li>Nominal bore diameter (mm)</li> </ul>		50x28, Single Ø220		N/A N/A		
25		+	-0.046 / -0.029		N/A		
27	☐ Alternative hub interference fit (mm) max / min (8.6.4)		N/A		N/A		
28	O Puller holes (8.6.3.4)	2-M20 TAP			2-M20 TAP		
29	O Trim balance holes (9.4)		N/A		N/A		
30	С	OUPLING GU	ARD (Annex H)				
31	O Coordinator (H.2.1)	``	O Regulation (H.2.8)				
32	O Type (H.2.2 & H.2.6)	_	p Calculation by (H.2.1	·			
33	Base mounted (H.3)	O Purge gas		) Dry air pu	rge (H.4.7)		
34 35	<ul> <li>Spark resistant (H.2.11)</li> <li>Transparent window for each oil spray point (H.5.4)</li> </ul>	Purge conne     Purge rate r	ection size and type				
36	O Vent connection (H.4.5)						
37	O Dn 25 with filter / breather		guard to be used during shop test (H.4.8)				
38	O Dn 25 flanged, rating and facing	O Additional gu					
39							
40	O One set of ring and plug gages by (11.2.5)		O Hydraulic installation / removal tooling (to include hand pumps,				
41	O Coupling manufacturer O Purchaser		pressure gauge(s), fittings & hoses by : (11.2.1)				
42	O Drill template for integral flanged shaft ends by (8.5.1)		O Coupling manufacturer O Purchaser				
43	O Coupling manufacturer O Purchaser		O Puller by : (11.2.4)				
44	O Lapping tools by (11.2.6) O Coupling manufacturer O Purchaser		O Coupling manufacturer O Purchaser				
45	O Two-piece stop rings bt : (11.2.3)		<ul> <li>Idling adapter (Solo) plate by coupling manufacturer (8.7)</li> <li>Moment simulator by coupling manufacturer (8.8.1)</li> </ul>				
47	O Coupling manufacturer O Purchaser		O Torque Measuring System (11.3.1)				
48			O Supplier (11				
49	Shall be fill in. CABLE SPECIFICATIONS		PREPARATION FOR SHIPMENT				
50	API-671, Special purpose couplings		O Outdoor storage for more than 3 months (1				
51	O Keyless-fit design code ANSI / AGMA 9003 / DIN 71	90	⊖ Expected sto				
52	to be marked (repetitive	2	⊖ Shipping :	O Domest	tic Storage : O Indoor		
53			(12.5.3)	<ul> <li>Export</li> </ul>	(12.5.2) • Outdoor		
54	O Information de		O Additional inscribed information (12.5.8)				
55	O Testing to be NARA REPLY) OK		O See coupling purchase order for preservation, boxing,				
56	L		and shipping	Instructions	;		

				Page <u>5</u> of <u>6</u>
			Job No. SF	C-2101A/B/C Item No.
			Purchase orde	C-2102A/B/C
		COUPLING DATASHEET	Inquiry No.	
		API 671 5th Edition	Revision 1	
		SI units		
1		TO	RQUE MEASUR	RING SYSTEM
2		Manufacturer : Model		Size Assy. Dwg. No
3				
4		O CONDITIONS CONSIDERED FOR TOR	QUE MEASU	IRING SYSTEM SELECTION(S) (11.3.1 & Annex L)
5		Conditions to be Specified for Torque Measuring Sy	vstem	Torque Measuring System
7		Torque measuring system coupling location (between which made	chines?)	
8		Normal Torque (Nm) to be measured (1% accuracy)		
9		Maximum torque (Nm) to be measured		
10		Maximum number of times maximum torque expected		
11	5	Maximum torque components capability (Nm) Minimum speed (RPM) at which torque measurement is required	4	
12 13		Maximum speed (RPM) at which torque measurement is require Maximum speed (RPM) at which torque measurement is require		
13		Which torque measurements are to be taken	iu	
15		System bandwdth minimum frequency system capable of resolvi	na (Hz)	
16		System bandwdth maximum frequency system capable of resolv	• • •	
17		Accuracy of torsional amplitude value (where different than stea		
18	ุย	Units of torsional amplitude value (where different than stead st	ate)	
19		Requirements for analog output		
20		Visual display requirements		
21		Machine movements from the cold installed position to the hot	running condition	
22		Convention : state for each machine		
23	ខា	Axial : (state direction and amount of movement) Vertical : (state direction and amount of movement)		
24		Horizontal : (state direction and amount of movement)		
20		What is the requested accuracy for :		
27	4	Maximum torque the system will display		
28	-	Cyclic, maximum (or what) torque and frequencies		
29	5	Advise if any rotordynamic restrictions apply such as torsional s	tiffness	
30		Signal output		
31		Requirements for analog output (if not 4 - 20 mA)		
32		Requirements for visual display unit		
33	9			
34		Ranges of output scaling for each parameter		e filed in in next revision
35 36		Measurement requirement of negative torque (same direction of Maximum allowable temperature for components within coupling	ΠΝΔ R	A REPLY) It is difficult to verify this
37	2	Calibration temperature compensation range (Deg C)		rmation. Please check and share the
38	 9	Electro-magnetic interference (noise) specific requirements		rmation
39		Rotation and power flow - specify A or B from diagram below		
40	2	Spare components, shafts or system desired		
41	Ξ	Advise if torque measuring system is incorporated into the safe	ty trip loop	
42		AREA CLASSIFICATION		POWER
43	0	ELEC. AREA CLASS. $\bigcirc$ NEC $\bigcirc$ IEC $\bigcirc$ ATEX	0	votts to be filed in in next revision
44		O FM O GOST O IECEX	Available	Herz / NARA REPLY) There is no information
45		○ CEC ○ Other.		Cycles on power consumption, so it cannot
46			_	
47 48		EQUIPMENT INDOOR OUTDOOR CLASS GROUP DIVISION	-	be entered.
40		ZONE GROUP TEMP CLASS		Volts
50		VISUAL DISPLAY UNIT INDOOR OUTDOOR	Usage	Hertz
51		CLASS GROUP DIVISION		
52		ZONE GROUP TEMP CLASS	]	
53				Power Consumption
54				Wattage
55				Rotation :
56				Power Consumption "A" O
57				,В, О
58				

