



RETRACTED FROM DRG. No. M45-0540E TO M45-0542E FOR HISTORY OF REVISIONS PLEASE REFER ORIGINAL DRAWING NOW HTL.

J.P. Singh
 (J.P. SINGH)
 DGM/PLD
 24/04/09

N.K. Jha
 (N.K. JHA)
 DGM/PLD
 3/4/09

TABLE

BELT WIDTH	TYPE	DIMENSIONS			DRG. NO.	WT. KG	SPINDLE		PIPE		ASSEMBLY
		L	L1	L2			DRG. NO.	WT. KG	DRG. NO.	WT. KG	
1200	BB-R-25-2	1400	1420	1470	M45-0545 D	7.31	M45-0548 d	22.66	M45-0542 E	32.37	
1000	BB-R-24-2	1150	1170	1220	M45-0544 D	5.92	M45-0547 d	18.61	M45-0541 E	26.93	
800	BB-R-23-2	950	970	1020	M45-0543 D	4.8	M45-0546 d	15.38	M45-0540 E	22.58	

TECHNICAL INSTRUCTIONS

1. THESE IDLERS SHALL BE OF LIFE SEAL DESIGN WITHOUT ANY NEED FOR RE-GREASING.
2. BEARING SHALL BE OF SEIZE RESISTANT TYPE BB/B 420206 (30x62x14) OF 'SKF' OR EQUIVALENT OF 'FAG', 'TIMKEN', 'NTN', 'NSK', 'KOYO' & 'SNR' MAKE.
3. DIMENSIONS GIVEN IN THE DRAWING SHALL BE STRICTLY ADHERE TO & NO DEVIATION SHALL BE PERMITTED.
4. RADIAL RUN-OUT OF THE IDLER SHALL NOT BE MORE THAN 0.5 mm AT ANY POINT ALONG THE SHELL LENGTH.
5. ROLLER SHOULD ROTATE FREELY AND SMOOTHLY BY HAND ON ITS AXIS.
6. MAXIMUM PERMISSIBLE LATERAL MOVEMENT OF ROLLER IS 0.3 MM.
7. BLANK SPACE WITHIN SHIELD LABYRINTH SET HOUSING COVER AND BUSH SHALL BE FILLED UP WITH LITHIUM BASED LUBRICATING GREASE OF REPUTED MAKE.
8. THE NAME OF THE MANUFACTURER TO BE EMBOSSED AS SHOWN IN END VIEW OF THE DRAWING.
9. THE CONCENTRICITY OF BEARING HOUSING WITH PIPE TO BE MAINTAINED AS SHOWN.
10. THE CHEMICAL COMPOSITION OF 45C8 IS 128192 WILL BE AS PER IS 1570(PART-2)/SEC-1-1979
11. BEARING MUST NOT BE HEATED PRIOR TO MOUNTING & MUST ON NO ACCOUNT BE WASHED

RECOMMENDED BY
(S. MOHAN)
 GM(M&U)

APPROVED
(K.D. TRIVEDI)
 GM(M&U)

REVISIONS			
DATE	SYMB	NAME	SIGN.

DRG. NO.	POS. NO.	DESCRIPTION	QTY.	UNIT	TOTAL	MATERIAL	REMARKS
-	-	WELD METAL	-	-	0.2	M.S.	
M45-0539	13	DUST COVER	2	0.002	0.004	NYLON-6	
M45-0538	12	END CAP	2	0.40	0.80	FG 200 IS:210-93	
IS:2135-82	11	SNAP HEAD RIVET #6	2	0.006	0.012	HR BAR IS:148-82	
M45-0537	10	BUSH	2	0.005	0.010	NYLON-6	
M45-0536	9	HOUSING COVER	2	0.035	0.070	CR 10 SHEET IS:513-86	
M45-0535	8	OUTER LABYRINTH	2	0.013	0.026	NYLON-6	
M45-0534	7	INNER LABYRINTH	2	0.014	0.028	NYLON-6	
IS:2170-87	6	CIRCLIP LIGHT A25	2	0.010	0.020	80C6 IS:2507-72	
IS:1420-85	5	SEIZE RESISTANT BALL BEARING SIZE #25x#52x12	2	0.170	0.340	STD.	SEE TI-2
M45-0532	4	SHIELD	2	0.014	0.028	NYLON-6	
M45-0531	3	BEARING HOUSING	2	0.52	1.04	CR 10 SHEET IS:513-86	
SEE TABLE	2	PIPE (CRW)	1	SEE TABLE		YS 240 IS:2175-83	
SEE TABLE	1	SPINDLE	1	SEE TABLE		45C8 IS:2183-98	

POS. NO.	DESCRIPTION	QTY.	UNIT	MATERIAL	ASSEMBLY	SC.	DRG. NO.
-	ROLLER ASSEMBLY	1	SEE TABLE		-	101	SEE TABLE

BOKARO STEEL PLANT

SHOP: CO&BPP, SP, RMHP, BF

UNIT: BOTTOM ROLLERS

DESCRIPTION OF DRAWING: BOTTOM ROLLER (Ø127MM)

DRAWN	D.K.M.	<i>Uthappa</i>	DATE	JAN'98
CHECKED	J.P. SINGH	<i>J.P.S.</i>	JOB NO.	8730
SUBMITTED	J.SINGH			
RECOMMENDED				M45-0540E TO
APPROVED				M45-0542E