

Timken® Common Paper Mill Bearing Modifications

TIMKEN	SKF	FAG	TIMKEN GENERAL DEFINITION
CJ	CC	J	Spherical with stamped steel cage
YM	M2	M	One-piece roller riding machined bronze cage
YMB	CA	MB1	One-piece inner ring piloted machined bronze cage
C08	C08	T52BW	P5 running accuracy (C02 and C04)
C08 C3	C083	C3.T52BW	P5 running accuracy (C02 and C04), C3 RIC
C08 C4	C084	C4.T52BW	P5 running accuracy (C02 and C04), C4 RIC
K	K	K	Tapered bore (1:12 on diameter 22, 23, 30, 31, 32, 33, 39 series)
K	K30	K30	Tapered bore (1:30 on diameter 40, 41, 42 series)
W4	W4	J26A	Mark high and low points of eccentricity on face of rings (included in Timken C08)
W6R	—	—	Engineered coating on rollers to combat low lube or abrasive contamination
W8	—	—	Rings and rollers Timken coated with Thin Dense Chrome™ - a corrosion resistant coating
W20	W20	SY	Outer ring with standard lubrication holes, but no lubrication groove
W22	W22	T50H	Special reduced OD tolerance on outer rings
W25	W73	—	Outer ring with counter drilled lubrication hole
W31	W31	—	Bearing inspected to certain quality control requirements
W33	W33	S	Standard lubrication holes and groove in outer ring (FAG drops S from number for sizes larger than 315 mm OD)
W37	—	—	Special RMS finish (MG or Yankee Dryer modification)
W40I	ECB (Prefix) or HA3	W209B	Inner ring only made of carburizing grade steel
W40R	—	—	Rollers only made of carburizing grade steel
W45A	W61	—	Tapped lifting holes in face of outer ring
W84	W77	H44S (H40)*	Outer ring with standard lubrication holes plugged
W88	—	—	Special reduced bore tolerance on inner ring
W93	—	—	Inner ring with keyway in bore
W94	W26	H40A	Inner ring lubrication holes and retainer face grooves (SKF and FAG – no retainer face grooves)
W502	W502 (W22 + W33)	S + TSOH	W22, W33 and W45A (where feasible)
W507	W507 (W31 + W33)	S +	W31, W33 and W45A (where feasible)
W509	W509 (W26+W31 + W33)	S.H40A + ...	W31, W33, W94 and W45A (where feasible)
W525	W525 (W31 + W77)	S.H44S (H40)*	W31, W33, W84 and W45A (where feasible)
W534	W534 (C08 + W507)	—	W507 and C08
W800	—	—	W22 + W88 + radial internal clearance in upper two-thirds of range specified range (shaker screen modification)
W906A	—	—	C02 + C04 + W31 + W33 + W40I + W40R (offered on select tapered bore product, supercedes W507A, W534A)

*FAG uses H40, which is plain OD

All data in this chart has been compiled to make the information as complete as possible.

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