

# Cylindrical Roller Bearings

## MOJ & MOX Style Cylindrical Roller Bearings

Economical MOJ and MOX roller bearings operate in a very little space and are easily assembled and disassembled for servicing. The rollers run directly on the hardened and ground surfaces of the shaft and housing which much have a hardness of Rockwell C58-64 and surface finish no greater than 18 AA to perform at their maximum capacity. Any deviation will result in a reduced load rating which should be discussed with the NTN Application Engineering Department.

MOJ and MOX bearings consist of the same roller complement and composite steel cage components used in the "M" or "W" series bearings.

A part number listing, load ratings, and dimensions are shown on the next page. For availability and additional information contact NTN sales.

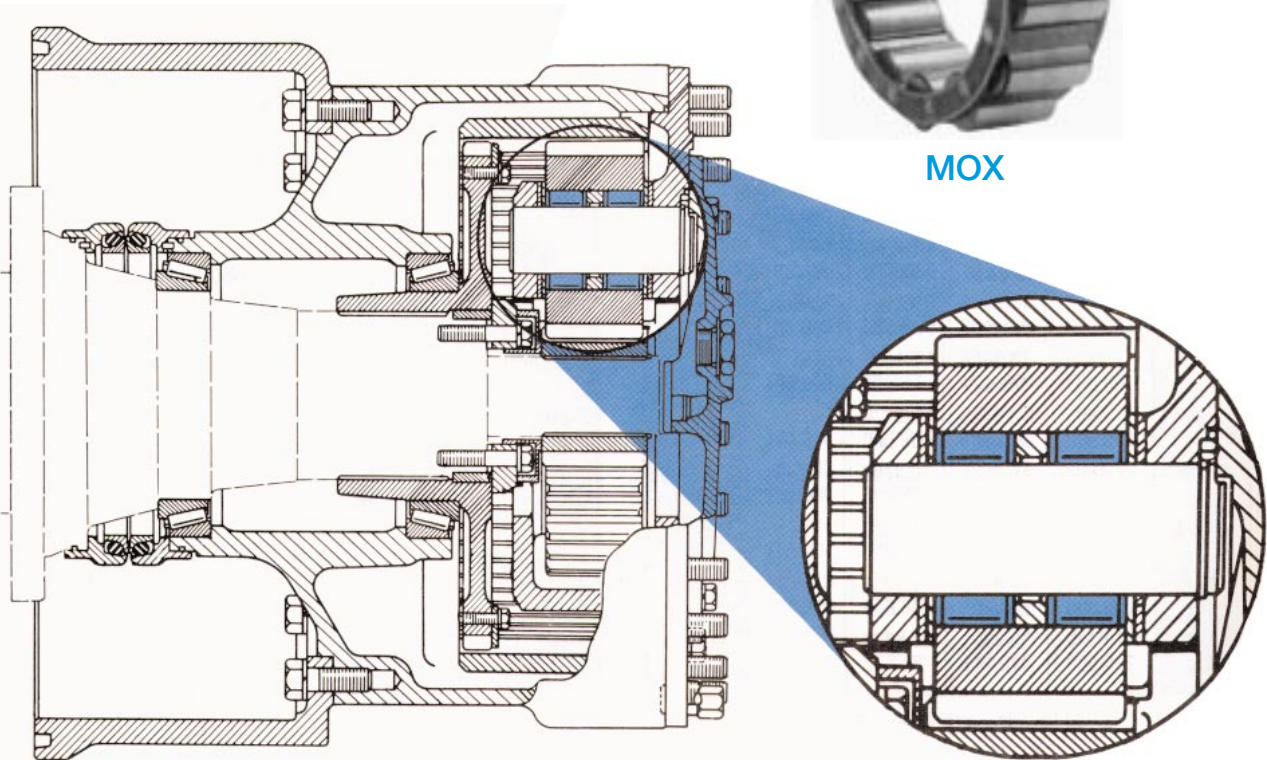
The final drive planetary in this rubber tired earth mover wheel is an ideal application for MOJ or MOX bearings which must resist shock and carry very heavy radial loads at low speed.



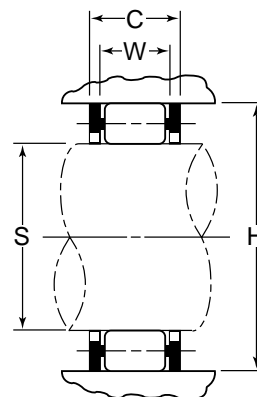
MOJ



MOX



## MOJ & MOX Style Bearings Dimensions and Load Ratings

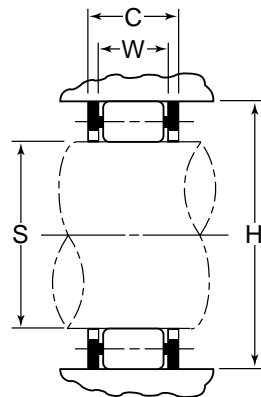


Roller Assembly Number	S	H	C	W	Radial Load Ratings	
	Maximum Shaft Diameter	Minimum Housing Bore	Minimum Operating Spac	Bearing Assembly Width	Dynamic	Static
	Inch/mm				lbs/N	
MOF-1212	2.8511	3.8468	0.891	0.827	18500	20700
	72.418	97.709	22.63	21.01	82500	92000
MOJ-1214	3.3392	4.3893	0.938	0.848		
	84.816	11.488	23.83	21.54		
MOJ-1316	4.0031	5.8012	1.375	1.315	54000	62000
	101.679	147.350	34.92	33.40	241000	276000
MOX-1318	4.5026	6.5234	1.563	1.457	68500	80000
	114.366	165.694	39.70	37.01	305000	355000
MOJ-5214	3.3392	4.3893	1.406	1.328	38000	53000
	84.816	111.488	35.71	33.73	170000	235000
MOJ-5216	3.7532	4.9076	1.531	1.463	46500	66000
	95.331	124.653	38.89	37.16	207000	294000
* MOJ-5216-A	3.7532	4.9076	1.531	1.463	46500	66000
	95.331	124.653	38.89	37.16	207000	294000
MOV-5304	1.1013	1.7314		0.831	9150	8950
	27.973	43.978		21.11	40500	40000
MOJ-5308	2.0600	3.0557	1.281	1.210	27800	32500
	52.324	77.615	32.54	30.73	124000	145000
MOX-5308-A	2.0600	3.0557	1.250	1.153	26300	30000
	52.324	77.615	31.75	29.29	117000	134000
MOJ-5309	2.3382	3.3883	1.438	1.363	32000	39000
	59.390	86.063	36.52	34.62	143000	173000
MOJ-5310	2.5660	3.7187	1.500	1.441	37500	46000
	65.176	94.455	38.10	36.60	167000	204000
MOJ-5315	3.7780	5.4773	2.344	2.283	87000	117000
	95.961	139.123	59.54	57.99	390000	520000
MOJ-7312	3.0545	4.4264	1.406	1.330	42500	50000
	77.584	112.431	35.71	33.78	188000	222000
MOX-7312-N	3.0545	4.4264	1.406	1.330	44500	53500
	77.584	112.431	35.71	33.78	198000	238000
MOX-7312-A	3.0545	4.4264	1.406	1.330	42500	50000
	77.584	112.431	35.71	33.78	188000	222000
MOX-7312-B	3.0545	4.4264	1.406	1.330	42500	50000
	77.584	112.431	35.71	33.78	188000	222000
MOJ-7314	3.5132	5.0911	1.594	1.495	54500	65500
	89.235	129.314	40.49	37.97	242000	291000

\* Special crown roller

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	Inch/mm				lbs/N	
MOJ-7314-A	3.5132	5.0911	1.594	1.495	54500	65500
	89.235	129.314	40.49	37.97	242000	291000
MOJ-7316	4.0031	5.8039	1.781	1.695	71500	89000
	101.679	147.419	45.24	43.05	320000	395000
MOX-7316-B	4.0031	5.8009	1.781	1.705	70500	87000
	101.679	147.343	45.24	43.31	315000	385000
MOX-12059-B	3.7532	5.6101	2.047	1.958		
	95.331	142.497	51.99	49.73		
MOX-12876	4.0182	6.3390	2.406	2.330		
	102.062	162.535	61.11	59.18		
WOX-67311	2.7748	4.2333	1.422	1.334	42500	47500
	70.480	107.526	36.12	33.88	189000	212000
WOX-67314	3.4919	5.3200	1.688	1.616	62000	71000
	88.694	135.128	42.88	41.05	275000	315000
WOX-67320	4.9584	7.6298	2.283	2.204	122000	146000
	125.943	193.797	57.99	55.98	540000	650000

\* Special crown roller