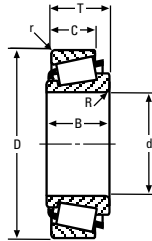
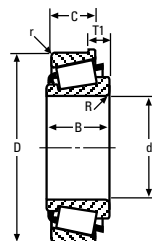


HH224300 – M224700 SERIES

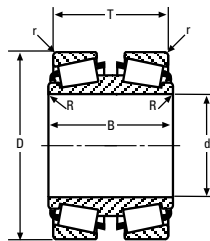
CONE				Weight	CUP				Weight	BEARING		Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R ①		Number	OUTSIDE DIA D	WIDTH C	Max Hs'ng Fillet Radii r ①		WIDTH T		
HH224300 Series												
*HH224335V	101.600 4.0000	66.675 2.6250	7.0 .28	8.58 kg 18.91 lb	HH224314	214.975 8.4636	50.800 2.0000	3.3 .13	3.14 kg 6.93 lb	64.797 2.5511	HH224310CD : GROOVE IN OD CENTER HOLES IN OD CENTER HH224310V : MADE FROM VACUUM MELT STEEL K444677 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD	
HH224340	107.950 4.2500	66.675 2.6250	8.0 .31	7.97 kg 17.57 lb	†JHH224315	215.000 8.4646	53.975 2.1250	3.3 .13	3.35 kg 7.39 lb	66.674 2.6250		
HH224346	114.300 4.5000	66.675 2.6250	7.0 .28	7.41 kg 16.33 lb								
*HH224346H	114.300 4.5000	66.675 2.6250	7.0 .28	- -								
*HH224346V	114.300 4.5000	66.675 2.6250	7.0 .28	7.50 kg 16.54 lb								
HH224349	114.976 4.5266	66.675 2.6250	7.0 .28	7.34 kg 16.19 lb								
HH224346DD	114.300 4.5000	152.400 6.0000	3.3 .13	19.33 kg 42.62 lb	HH224310	212.725 8.3750	53.975 2.1250	3.3 .13	3.03 kg 6.68 lb	142.875 5.6250		
					*HH224310V	212.725 8.3750	53.975 2.1250	3.3 .13	3.03 kg 6.68 lb	142.875 5.6250		
					HH224314	214.975 8.4636	50.800 2.0000	3.3 .13	3.14 kg 6.93 lb	139.121 5.4772		
					†JHH224315	215.000 8.4646	53.975 2.1250	3.3 .13	3.35 kg 7.39 lb	142.875 5.6250		
HH224346NA	114.300 4.5000	71.438 2.8125	3.5 .14	15.17 kg 33.44 lb	K110108	311.150 12.2500	158.750 6.2500	3.3 .13	55.03 kg 121.35 lb	142.875 5.6250		
					*HH224310CD	212.725 8.3750	117.475 4.6250	1.5 .06	6.46 kg 14.25 lb	142.875 5.6250		
					*K444677	260.350 10.2500	139.700 5.5000	spcl. spcl.	26.39 kg 58.20 lb	142.875 5.6250		
M224700 Series												
*M224742TA	110.990 4.3697	38.892 1.5312	spcl. spcl.	2.53 kg 5.58 lb	M224710	174.625 6.8750	27.783 1.0938	1.5 .06	.86 kg 1.89 lb	35.517 1.3983	M224742TA: BROKEN FRONTFACE ID REVERSE TAPERED BORE SPECIAL BACKFACE RADIUS	
*M224745TA	113.020 4.4496	38.892 1.5312	spcl. spcl.	2.42 kg 5.34 lb	M224711	172.242 6.7812	27.783 1.0938	1.5 .06	.72 kg 1.58 lb	35.517 1.3983	M224743T: REVERSE TAPERED BORE SPECIAL BACKFACE RADIUS SPECIAL FRONTFACE RADIUS	
					M224712	174.625 6.8750	27.783 1.0938	3.3 .13	.86 kg 1.89 lb	35.517 1.3983		
					M224713	172.242 6.7812	27.783 1.0938	3.3 .13	.71 kg 1.57 lb	35.517 1.3983		
					*M224713A	172.242 6.7812	27.783 1.0938	spcl. spcl.	.71 kg 1.57 lb	35.517 1.3983	M224745TA: BROKEN FRONTFACE ID SPECIAL BACKFACE RADIUS TAPERED BORE	
M224746D	120.134 4.7297	68.262 2.6875	.8 .03	4.24 kg 9.35 lb	M224710	174.625 6.8750	27.783 1.0938	1.5 .06	.86 kg 1.89 lb	66.678 2.6251	M224747TD: TAPERED BORE TQI/TQO (NON-INTERLOCKING)	
M224749D	120.650 4.7500	68.262 2.6875	.8 .03	4.74 kg 10.45 lb	M224711	172.242 6.7812	27.783 1.0938	1.5 .06	.72 kg 1.58 lb	66.678 2.6251	M224748: SPECIAL BACKFACE RADIUS SPECIAL FRONTFACE RADIUS	
					M224712	174.625 6.8750	27.783 1.0938	3.3 .13	.86 kg 1.89 lb	66.678 2.6251		
					M224713	172.242 6.7812	27.783 1.0938	3.3 .13	.71 kg 1.57 lb	66.678 2.6251	M224749T: SPECIAL BACKFACE RADIUS SPECIAL FRONTFACE RADIUS TAPERED BORE	
					*M224713A	172.242 6.7812	27.783 1.0938	spcl. spcl.	.71 kg 1.57 lb	66.678 2.6251	M224710D: GROOVE IN OD CENTER HOLES IN OD CENTER	
											M224710DA: HOLES IN OD CENTER M224710DC: GROOVE IN OD CENTER HOLES IN OD CENTER	
											M224713A: SPECIAL RADIUS ON BACKFACE OD	
											M224715DA: HOLES IN OD CENTER SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD SPHERICAL OD	



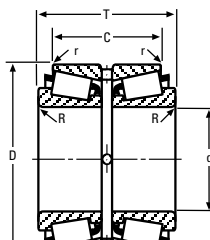
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

6

M224700 SERIES CONTINUED ON NEXT PAGE

①These Maximum Fillet Radii will be cleared by the Cone or Cup Radii.
†Bore or O.D. shown are maximum dimensions. *See Remarks Column.