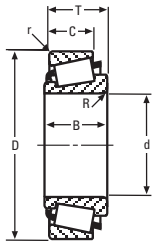
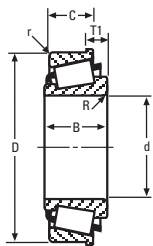


3100 – 3400 SERIES

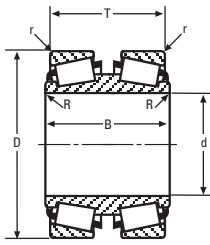
3



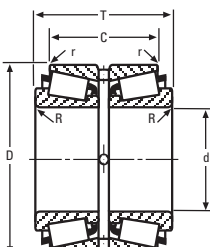
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ①	Weight	CUP			Max Hs'ng Fillet Radii r ①	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
3100 Series											
3187	30.162 1.1875	29.997 1.1810	.8 .03	.38 kg .85 lb	*3120-B	72.626 2.8593	23.812 .9375	3.3 .13	.24 kg .53 lb	11.112 .4375	3162: BROKEN BACKFACE ID 3196: FRONTFACE CHAMFER
3188	31.750 1.2500	29.997 1.1810	.8 .03	.37 kg .81 lb	3120-S	72.000 2.8346	23.812 .9375	3.3 .13	.20 kg .45 lb	30.162 1.1875	
3188-S	31.750 1.2500	29.997 1.1810	1.5 .06	.36 kg .80 lb	3120	72.626 2.8593	23.812 .9375	3.3 .13	.22 kg .48 lb	30.162 1.1875	3120-B: BEARING WIDTH IS T1 DIMENSION
3189	25.400 1.0000	29.997 1.1810	.8 .03	.43 kg .95 lb	3126	72.034 2.8360	23.812 .9375	2.8 .11	.21 kg .46 lb	30.162 1.1875	
3190	30.000 1.1811	29.997 1.1810	3.5 .14	.38 kg .84 lb	3129	76.200 3.0000	23.812 .9375	.8 .03	.30 kg .67 lb	30.162 1.1875	
319	30.162 1.1875	29.997 1.1810	3.5 .14	.38 kg .84 lb	3130	72.626 2.8593	23.812 .9375	.8 .03	.23 kg .50 lb	30.162 1.1875	
3192	28.575 1.1250	29.997 1.1810	3.5 .14	.40 kg .87 lb							
3193	31.750 1.2500	29.997 1.1810	3.5 .14	.36 kg .80 lb							
*3196	33.338 1.3125	29.997 1.1810	3.5 .14	.34 kg .75 lb							
3197	33.338 1.3125	29.997 1.1810	.8 .03	.35 kg .76 lb							
3198	28.575 1.1250	29.997 1.1810	1.3 .05	.40 kg .88 lb							
3199	31.750 1.2500	29.997 1.1810	2.3 .09	.36 kg .80 lb							
*3162	23.812 .9375	39.573 1.5580	.3 .01	.56 kg 1.24 lb	3162 may be paired with all single cups corresponding to 3187 and will require 9.576 mm (.3770 in) to be added to the T-width values.						
3300 Series											
3378	36.487 1.4365	30.391 1.1965	3.5 .14	.49 kg 1.08 lb	3320	80.167 3.1562	23.812 .9375	3.3 .13	.21 kg .46 lb	29.370 1.1563	3353: BROKEN BACKFACE ID 3381-SW: SLOTS IN BACKFACE
3379	34.925 1.3750	30.391 1.1965	3.5 .14	.51 kg 1.13 lb	*3320-B	80.167 3.1562	23.812 .9375	3.3 .13	.27 kg .60 lb	10.320 .4063	3382T: TAPERED BORE
3381	38.100 1.5000	30.391 1.1965	3.5 .14	.47 kg 1.03 lb	3320X	85.725 3.3750	23.812 .9375	3.3 .13	.30 kg .66 lb	23.384 .9206	3320-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
*3381-SW	38.100 1.5000	30.391 1.1965	3.5 .14	.46 kg 1.01 lb	3321	77.534 3.0525	23.812 .9375	3.3 .13	.17 kg .36 lb	29.370 1.1563	3329-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
3382	39.688 1.5625	30.391 1.1965	3.5 .14	.45 kg .98 lb	3324	80.167 3.1562	21.430 .8437	3.3 .13	.18 kg .40 lb	26.987 1.0625	
*3382T	39.688 1.5625	30.391 1.1965	3.3 .13	.45 kg .99 lb	3325	79.974 3.1486	23.812 .9375	3.3 .13	.20 kg .45 lb	29.370 1.1563	
3383	41.275 1.6250	30.391 1.1965	3.5 .14	.42 kg .93 lb	3328	84.138 3.3125	23.812 .9375	3.3 .13	.30 kg .67 lb	29.370 1.1563	
3384	41.275 1.6250	30.391 1.1965	.8 .03	.43 kg .94 lb	3329	81.755 3.2187	23.812 .9375	3.3 .13	.25 kg .54 lb	29.370 1.1563	
3386	39.688 1.5625	30.391 1.1965	.8 .03	.45 kg 1.00 lb	*3329-B	81.755 3.2187	23.812 .9375	3.3 .13	.29 kg .64 lb	10.320 .4063	
3387	38.100 1.5000	30.391 1.1965	.8 .03	.48 kg 1.05 lb	3331	80.167 3.1562	23.812 .9375	.8 .03	.22 kg .48 lb	29.370 1.1563	
					3339	80.035 3.1510	23.812 .9375	1.5 .06	.21 kg .47 lb	29.370 1.1563	
*3353	36.512 1.4375	38.329 1.5090	.3 .01	.60 kg 1.31 lb	3353 and grouped cones may be paired with all single cups corresponding to 3378 and will require 7.938 mm (.3125 in) to be added to the T-width values.						
3360	34.925 1.3750	38.329 1.5090	3.5 .14	.62 kg 1.36 lb							
3360A	34.925 1.3750	38.329 1.5090	3.5 .14	.62 kg 1.38 lb							
336	38.100 1.5000	38.329 1.5090	3.5 .14	.56 kg 1.24 lb							
3400 Series											
3474	30.162 1.1875	29.771 1.1721	.8 .03	.51 kg 1.12 lb	*3420-B	79.375 3.1250	23.812 .9375	3.3 .13	.28 kg .61 lb	10.320 .4063	3476-SW: SLOTS IN BACKFACE 3476X: FRONTFACE CHAMFER
3476	31.750 1.2500	29.771 1.1721	1.3 .05	.49 kg 1.08 lb	3420	79.375 3.1250	23.812 .9375	3.3 .13	.25 kg .56 lb	29.370 1.1563	3478: FRONTFACE CHAMFER

3400 SERIES CONTINUED ON NEXT PAGE

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