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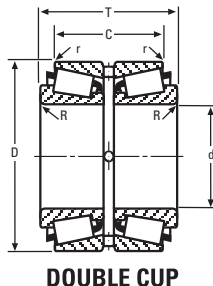
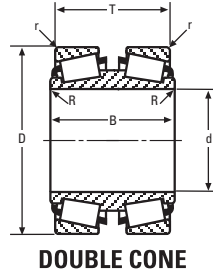
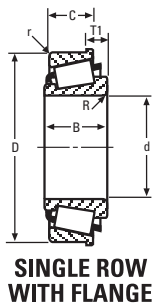
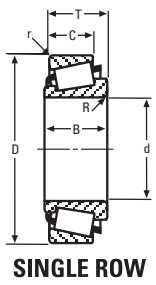
CONE			Max Shaft Fillet Radii R ①	Weight	CUP			Max Hs'ng Fillet Radii r ①	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
435 Series (cont)											
442-S	40.000 1.5748	29.900 1.1772	3.5 .14	.62 kg 1.38 lb	433	88.500 3.4843	30.162 1.1875	3.3 .13	.32 kg .72 lb	35.720 1.4063	432DC : HOLES IN OD CENTER
443	31.750 1.2500	29.900 1.1772	.8 .03	.74 kg 1.63 lb	4320	88.500 3.4843	33.338 1.3125	3.3 .13	.38 kg .83 lb	38.889 1.5310	T68976 : SPECIAL RADIUS ON LEFTFACE OD
443W	31.750 1.2500	29.900 1.1772	.8 .03	.73 kg 1.60 lb	*T68976	120.650 4.7500	65.088 2.5625	spcl. spcl.	3.05 kg 6.73 lb	61.912 2.4375	SPECIAL RADIUS ON RIGHTFACE OD
444	38.100 1.5000	29.900 1.1772	3.5 .14	.65 kg 1.44 lb							K91179 : FLANGE ON OD LEFTFACE
445	28.575 1.1250	29.900 1.1772	.8 .03	.77 kg 1.71 lb							SPECIAL RADIUS ON LEFTFACE OD
447	41.275 1.6250	29.900 1.1772	3.5 .14	.61 kg 1.34 lb							SPECIAL RADIUS ON RIGHTFACE OD
449	34.925 1.3750	29.900 1.1772	.8 .03	.70 kg 1.55 lb							TAPERED OD
450	44.945 1.7695	29.900 1.1772	2.3 .09	.55 kg 1.22 lb							K326074 : FLANGE ON OD LEFTFACE
NA438	44.450 1.7500	30.958 1.2188	3.5 .14	1.12 kg 2.48 lb	*432D	95.250 3.7500	50.800 2.0000	.8 .03	.87 kg 1.93 lb	61.915 2.4376	SPECIAL RADIUS ON LEFTFACE OD
*NA438-SW	44.450 1.7500	30.958 1.2188	3.5 .14	1.12 kg 2.47 lb	*432DC	95.250 3.7500	50.800 2.0000	.8 .03	.87 kg 1.93 lb	61.915 2.4376	SPECIAL RADIUS ON RIGHTFACE OD
					K35666	127.000 5.0000	65.088 2.5625	3.3 .13	3.84 kg 8.47 lb	61.915 2.4376	
					K46688	120.000 4.7244	63.094 2.4840	3.3 .13	3.06 kg 6.75 lb	61.915 2.4376	
					*T68976	120.650 4.7500	65.088 2.5625	spcl. spcl.	3.05 kg 6.73 lb	61.915 2.4376	
					*K91179	127.000 5.0000	69.850 2.7500	spcl. spcl.	4.56 kg 10.04 lb	61.915 2.4376	
					*K326074	123.825 4.8750	69.850 2.7500	3.3 .13	4.53 kg 10.00 lb	61.915 2.4376	
*NA435-SW	44.450 1.7500	35.720 1.4063	3.5 .14	1.25 kg 2.76 lb	NA435-SW may be paired with all double cups corresponding to NA438 and will require 9.525 mm (.3750 in) to be added to the T-width values.						
*NA439-SW	44.450 1.7500	33.338 1.3125	.8 .03	1.19 kg 2.62 lb	NA439-SW may be paired with all double cups corresponding to NA438 and will require 4.760 mm (.1874 in) to be added to the T-width values.						
455 Series											
455	50.800 2.0000	29.317 1.1542	.8 .03	.81 kg 1.78 lb	452	107.950 4.2500	27.000 1.0630	.8 .03	.53 kg 1.16 lb	32.557 1.2818	NA455-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
455-S	50.800 2.0000	29.317 1.1542	3.5 .14	.80 kg 1.76 lb	452A	107.950 4.2500	27.000 1.0630	3.3 .13	.53 kg 1.17 lb	32.557 1.2818	NA456-SW: EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE
455A	38.100 1.5000	29.317 1.1542	3.5 .14	1.01 kg 2.22 lb	*452-B	107.950 4.2500	28.575 1.1250	.8 .03	.53 kg 1.17 lb	3.178 .1251	452-B : FLANGE ON OD FRONTFACE,
455W	50.800 2.0000	29.317 1.1542	.8 .03	.78 kg 1.72 lb	*452D	107.950 4.2500	53.975 2.1250	.8 .03	1.09 kg 2.40 lb	65.089 2.5626	BEARING WIDTH IS T1 DIMENSION
456	53.975 2.1250	29.317 1.1542	3.5 .14	.74 kg 1.63 lb	*452DC	107.950 4.2500	53.975 2.1250	.8 .03	1.09 kg 2.40 lb	65.089 2.5626	452D : GROOVE IN OD CENTER HOLES IN OD CENTER
456W	53.975 2.1250	29.317 1.1542	3.5 .14	.71 kg 1.58 lb	453	107.950 4.2500	27.000 1.0630	.8 .03	.48 kg 1.06 lb	27.795 1.0943	452DC : HOLES IN OD CENTER
457	39.688 1.5625	29.317 1.1542	1.3 .05	.99 kg 2.18 lb	453A	107.950 4.2500	22.225 .8750	.8 .03	.42 kg .93 lb	27.782 1.0938	453-B : FLANGE ON OD FRONTFACE,
458	44.450 1.7500	29.317 1.1542	.8 .03	.92 kg 2.02 lb	453AS	107.950 4.2500	22.225 .8750	2.3 .09	.41 kg .92 lb	27.782 1.0938	BEARING WIDTH IS T1 DIMENSION
458-S	45.000 1.7717	29.317 1.1542	2.3 .09	.91 kg 2.00 lb	*453-B	107.950 4.2500	22.225 .8750	.8 .03	.46 kg 1.01 lb	11.115 .4376	453DW : GROOVE IN OD CENTER HOLES IN OD CENTER KEYWAY IN OD SURFACE
459	40.000 1.5748	29.317 1.1542	2.0 .08	.98 kg 2.17 lb	*453DW	114.300 4.5000	55.562 2.1875	.8 .03	1.49 kg 3.29 lb	66.677 2.6251	453XB : FLANGE ON OD FRONTFACE,
460	44.450 1.7500	29.317 1.1542	3.5 .14	.91 kg 2.01 lb	453E	104.775 4.1250	26.988 1.0625	3.3 .13	.42 kg .92 lb	32.545 1.2813	BEARING WIDTH IS T1 DIMENSION
461	42.850 1.6870	29.317 1.1542	.8 .03	.94 kg 2.08 lb	453X	104.775 4.1250	24.605 .9687	3.3 .13	.37 kg .81 lb	30.162 1.1875	454AB : FLANGE ON OD FRONTFACE,
462	57.150 2.2500	29.317 1.1542	2.3 .09	.68 kg 1.50 lb	*453XB	107.950 4.2500	24.605 .9687	.8 .03	.49 kg 1.08 lb	8.735 .3439	BEARING WIDTH IS T1 DIMENSION

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

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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				
455 Series (cont)											
462A	57.150 2.2500	29.317 1.1542	2.3 .09	.67 kg 1.48 lb	454	110.000 4.3307	27.000 1.0630	2.0 .08	.55 kg 1.21 lb	27.795 1.0943	
462W	57.150 2.2500	29.317 1.1542	2.3 .09	.66 kg 1.45 lb	*454AB	109.949 4.3287	22.225 .8750	.8 .03	.55 kg 1.21 lb	11.115 .4376	
463	47.625 1.8750	29.317 1.1542	4.8 .19	.85 kg 1.87 lb	454X	109.949 4.3287	27.000 1.0630	1.5 .06	.55 kg 1.21 lb	27.795 1.0943	
464	41.275 1.6250	29.317 1.1542	2.3 .09	.96 kg 2.12 lb	4520	101.200 3.9843	33.338 1.3125	3.3 .13	.42 kg .93 lb	38.900 1.5315	
464A	41.275 1.6250	29.317 1.1542	1.5 .06	.96 kg 2.13 lb	4536	111.125 4.3750	32.545 1.2813	3.3 .13	.83 kg 1.82 lb	38.107 1.5003	
465	50.000 1.9685	29.317 1.1542	2.3 .09	.82 kg 1.81 lb							
466	54.988 2.1649	29.317 1.1542	2.3 .09	.72 kg 1.60 lb							
466-S	55.562 2.1875	29.317 1.1542	2.3 .09	.71 kg 1.57 lb							
467	47.625 1.8750	29.317 1.1542	.8 .03	.86 kg 1.91 lb							
468	52.388 2.0625	29.317 1.1542	1.5 .06	.76 kg 1.68 lb							
468W	52.388 2.0625	29.317 1.1542	1.5 .06	.76 kg 1.68 lb							
469	57.150 2.2500	29.317 1.1542	3.5 .14	.68 kg 1.49 lb							
469-S	57.150 2.2500	29.317 1.1542	4.8 .19	.67 kg 1.47 lb							
469A	57.150 2.2500	29.317 1.1542	3.5 .14	.67 kg 1.47 lb							
NA455	50.800 2.0000	32.545 1.2813	3.5 .14	1.69 kg 3.72 lb	*452D	107.950 4.2500	53.975 2.1250	.8 .03	1.09 kg 2.40 lb	65.090 2.5626	
*NA455-SW	50.800 2.0000	32.545 1.2813	3.5 .14	1.73 kg 3.81 lb	*452DC	107.950 4.2500	53.975 2.1250	.8 .03	1.09 kg 2.40 lb	65.090 2.5626	
					*453DW	114.300 4.5000	55.562 2.1875	.8 .03	1.49 kg 3.29 lb	65.090 2.5626	
*NA456-SW	50.800 2.0000	37.308 1.4688	3.5 .14	1.93 kg 4.26 lb	NA456-SW may be paired with all double cups corresponding to NA455 and will require 9.525 mm (.3750 in) to be added to the T-width values.						
475 Series											
475	55.000 2.1654	29.007 1.1420	.8 .03	1.16 kg 2.56 lb	472	120.000 4.7244	24.237 .9542	2.0 .08	.49 kg 1.07 lb	29.794 1.1730	482-SW: KEYWAY IN BACKFACE 482E: SHOULDER ON ID BACKFACE
475X	55.000 2.1654	29.007 1.1420	2.0 .08	1.16 kg 2.56 lb	472A	120.000 4.7244	23.444 .9230	3.3 .13	.46 kg 1.00 lb	29.002 1.1418	NA483-SW: EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE
476	60.000 2.3622	29.007 1.1420	2.0 .08	1.06 kg 2.33 lb	*472-B	120.000 4.7244	24.237 .9542	.8 .03	.54 kg 1.18 lb	11.095 .4368	NA484-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
477	63.500 2.5000	29.007 1.1420	.8 .03	.98 kg 2.17 lb	*472D	120.000 4.7244	53.975 2.1250	.8 .03	1.21 kg 2.67 lb	65.090 2.5626	NA485-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
478	65.000 2.5591	29.007 1.1420	2.3 .09	.94 kg 2.08 lb	*472DC	120.000 4.7244	53.975 2.1250	.8 .03	1.21 kg 2.67 lb	65.090 2.5626	
478-S	66.675 2.6250	29.007 1.1420	2.0 .08	.91 kg 2.00 lb	*472DS	127.000 5.0000	53.975 2.1250	.8 .03	1.80 kg 3.96 lb	65.090 2.5626	485T: TAPERED BORE
478W	65.000 2.5591	29.007 1.1420	2.3 .09	.93 kg 2.05 lb	472X	123.825 4.8750	24.605 .9687	3.3 .13	.63 kg 1.38 lb	30.162 1.1875	NA485-SW: EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE
478XA	64.988 2.5586	29.007 1.1420	2.3 .09	.94 kg 2.08 lb	473	120.000 4.7244	29.000 1.1417	2.0 .08	.54 kg 1.18 lb	29.794 1.1730	
479	66.675 2.6250	29.007 1.1420	2.3 .09	.90 kg 1.99 lb	473XS	119.979 4.7236	27.193 1.0706	.5 .02	.58 kg 1.28 lb	32.751 1.2894	487TD: TAPERED BORE
480	68.262 2.6875	29.007 1.1420	3.5 .14	.86 kg 1.90 lb	474	130.000 5.1181	31.000 1.2205	2.0 .08	1.07 kg 2.36 lb	31.796 1.2518	472-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
482	69.850 2.7500	29.007 1.1420	3.5 .14	.82 kg 1.81 lb	474XS	120.000 4.7244	26.187 1.0310	2.0 .08	.54 kg 1.20 lb	31.796 1.2518	472D : GROOVE IN OD CENTER HOLES IN OD CENTER
*482-SW	69.850 2.7500	29.007 1.1420	3.5 .14	.80 kg 1.75 lb							472DC : HOLES IN OD CENTER
482A	69.850 2.7500	29.007 1.1420	4.8 .19	.81 kg 1.79 lb							472DS : HOLES IN OD CENTER



475 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.