Catalog 699

TIMKEN®

BEARING DIMENSION CATALOG

- EXPLANATION OF TIMKEN® BEARING SYMBOLS
- BEARING DIMENSIONS BY PART NUMBER
- BEARING DIMENSIONS BY CORE BORE

PROUDLY MANUFACTURED IN TIMKEN COMPANY PLANTS THROUGHOUT THE WORLD

NOT TO BE USED AS A DESIGN MANUAL

THE TIMKEN COMPANY

$25 (U.S. Dollars)

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TIMKEN

WORLDWIDE LEADER IN BEARINGS AND STEEL

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Printed in U.S.A.
4-99 Order No. 7011

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BEARING DIMENSION CATALOG

INCLUDES:

- **EXPLANATION OF TIMKEN® BEARING SYMBOLS**
- **BEARING DIMENSIONS BY PART NUMBER**
- **BEARING DIMENSIONS BY CORE BORE**

BEARING COMPONENTS ARE SHOWN IN BOTH METRIC AND INCH UNITS.

For each part number the top line is millimeters, bottom line is inches.

BEARING COMPONENT WEIGHTS ARE SHOWN IN BOTH METRIC AND POUND UNITS.

For each part number the top line is kilograms, bottom line is pounds.

NOT TO BE USED AS A DESIGN MANUAL

This is not a manual for the selection of bearings for new applications. Whenever it is necessary to select Timken bearings for new applications consult the Bearing Selection Handbook or get in touch with the nearest office of The Timken Company.

Every effort has been made to ensure that the data listed in this catalog is correct. However, we cannot assume responsibility for possible error.

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WARNING!

Failure to observe the following warnings could lead to a risk of serious bodily harm:

- Never spin a bearing with compressed air. The rollers may be forcefully expelled.
- If a hammer and bar are used for bearing removal, fragments from the hammer, bar, or the bearing can be released with high velocity.
  NOTE: A mild steel bar is preferred since it is less susceptible to fragmenting.
- When installing or removing bearings, always wear safety glasses or goggles.

Failure to observe the following instructions can result in equipment failure leading to a risk of serious bodily harm:

- Proper maintenance and handling practices are critical. Follow installation instructions and maintain proper lubrication.
- Do not attempt to disassemble unitized bearings. Components may be damaged.
- Do not use a damaged bearing.
- Do not mix parts of matched assemblies. Bearing damage could result.

Actual bearing performance is affected by many factors beyond the control of The Timken Company. Therefore, the feasibility of all bearing applications should be validated by the customer. The data contained in this guide is intended for reference purposes and will assist you in part number and external bearing dimension identification.

Considering the performance demands placed on tapered roller bearings, it's rather amazing how simple the basic design really is. Timken tapered roller bearings minimize friction because of the interrelationship of the bearing's four basic parts:

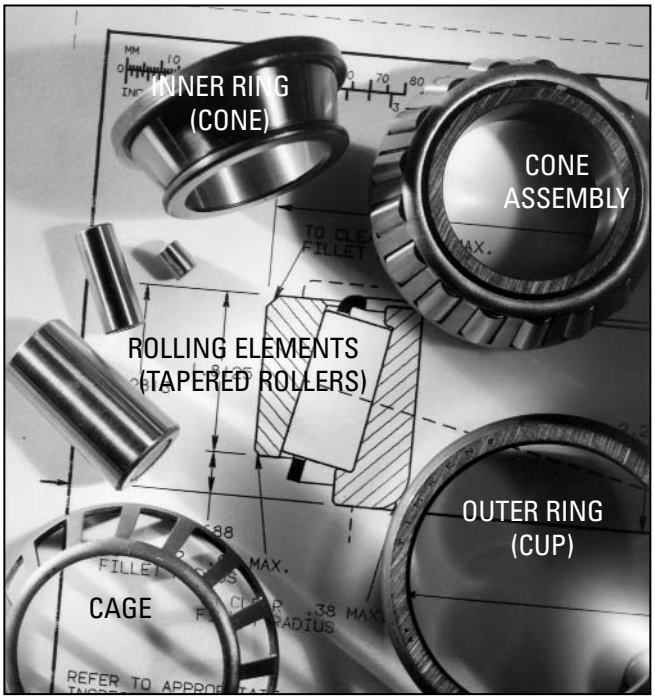
- The inner ring, or cone, is mounted onto the shaft.
- The outer ring, or cup, sits in the housing (hub).
- The tapered rollers, or rolling elements, allow relative motion between the cone and cup thus minimizing friction between the two.
- The cage, or separator, spaces and holds the rolling elements in the proper position.
- The races are the surfaces on the cup and cone where the rolling elements make contact.

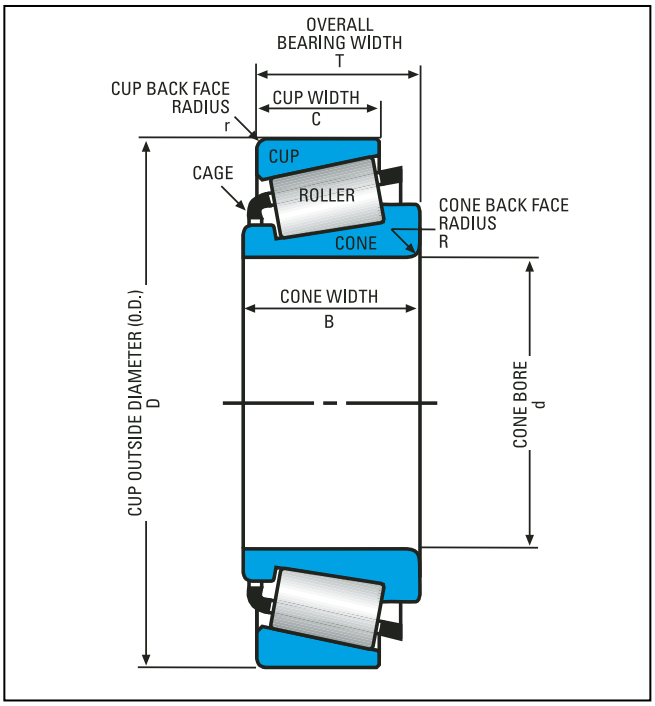
The tapered roller bearing's most important dimensions are:

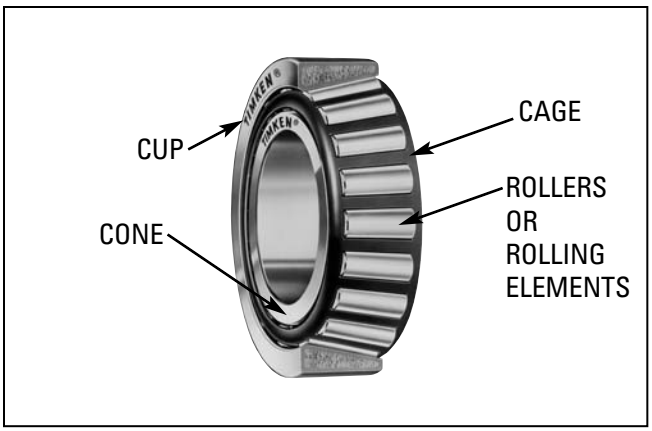
- The outside diameter of the outer ring, or cup, is known as the O.D. (D). The other basic dimension of this part is the cup width (C). Both are important for fitting the bearing onto the housing.
- The inside diameter of the inner ring, or cone is called the bore (d). This diameter must be correct in order to fit the bearing onto the shaft. The other basic dimension of this part is the cone width (B).
- When cup and cone are mated (including rollers and cage), the overall dimension is called the overall bearing width (T).

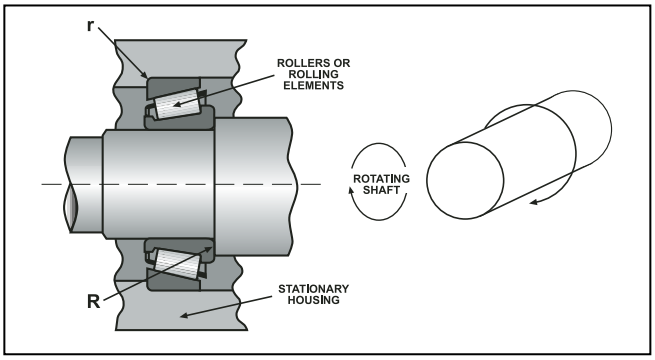
Bearing components or assemblies must be in alignment. Their fit onto a shaft or within a housing must be square or in alignment by checking:

- The maximum shaft radius (R), which allows the cone backface to make contact with the shoulder of the shaft.
- The maximum housing radius (r), which allows the cup backface to make contact with the shoulder of the housing.









Spacer Bearing Assemblies

Spacer bearing assemblies speed up bearing installation time because there is no need for bearing adjustment. Spacer bearing assemblies are suitable for use with two-row and four-row Timken® tapered roller bearings to preset the bench lateral (bench end play). Most matched bearing assemblies have serial numbers to ensure correct installation sequence.

Timken spacer bearings are precisely ground to provide the exact bench lateral required for the particular bearing application.

Since each spacer is custom-fitted to a particular set of components, a spacer cannot be used with any other bearing components – even if they carry the same part numbers.

When ordering replacement bearing assemblies, specify:

- cone number
- assembly number.

If you do not have the assembly number, specify the component part numbers including:

- cone number
- cup number
- spacer number
- bench end play, which is etched on the spacer.

If you do not have any part numbers for the spacer assembly, specify:

- Name of equipment
- Model number
- Year
- Application position of the bearing.

WARNING: Always follow manufacturer's instructions. Failure to follow all instructions and to properly lubricate the bearing can cause equipment failure, creating a risk of serious bodily harm.

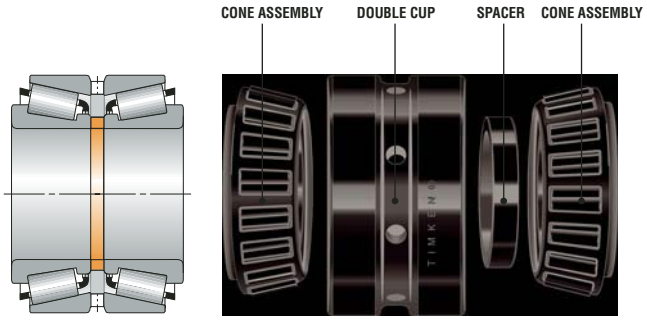
Over-filling or under-filling a wheel hub with lubricant may result in premature component failure. Creating a risk of serious bodily harm.

Never spin a bearing with compressed air. The rollers may be forcefully expelled, creating a risk of serious bodily harm.

DO NOT MIX PARTS.

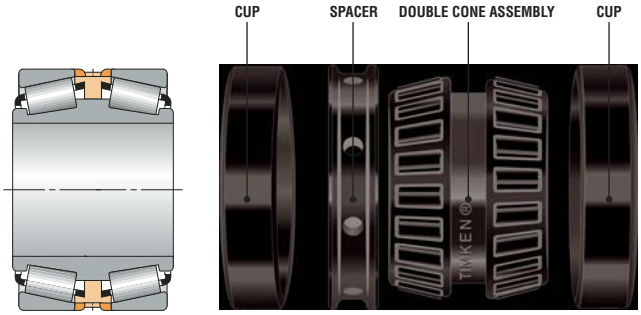
Tapered Double Outer (TDO)

This diagram depicts the way spacers are used between the cone front faces in the TDO bearing. The spacer fits between the two single cones.



Tapered Double Inner (TDI)

Here is an example of how spacers are used between the cup front faces in the type TDI bearing. The spacer fits between the two single cups.



This guide contains the basic information for most general-use parts in production by The Timken Company. The data contained within this guide is intended for reference purposes and will assist you in part number and external bearing dimension identification.

What you will find

- Cup and cone combinations are grouped by series designation. Dimensional information, inch and metric form, is provided for each cup and cone combination and includes the following:

NOMENCLATURE	DIMENSION SYMBOL
• bore size	"d"
• outside diameter (O.D.)	"D"
• bearing width	"T"
• cone width	"B"
• cup width	"C"
• shaft and housing max fillet radii	"R" for cones – "r" for cups
• bearing weight	

- Where additional characteristics are important to differentiate between parts, the part number is proceeded by an asterisk (*). These characteristics are available in the remarks column.

How to find part numbers

- **If you know the part number**, use the index to locate the section where you will find the part. Once in that section, series are arranged in ascending order.
- **If you only know the cone bore dimension**, use the section titled BEARING DIMENSION BY CONE BORE to find an appropriate series.

TAPERED ROLLER BEARING PART NUMBER PREFIXES AND SUFFIXES

PREFIX	SUFFIX	CONE OR CUP	EXPLANATION
A		Cone & Cup	Standard basic series part number.
	A	Cone	Different bore from basic part number.
	A	Cone	Different complement of rollers.
	A	Cone	Different radius from basic part number.
	A	Cup	Different OD from basic part number.
	A	Cup	Different radius from basic part number.
	A	Cup	Different width from basic part number.
	AA	Cone & Cup	Different bore, OD, width, or radius from basic part number.
	AB	Cone	Different bore, width, or radius from basic part number, assembled with brass cage.
	AB	Cup	Flanged cup. (Non-interchangeable with basic part number.)
	AC	Cone	Different bore or radius, different internal geometry.
	AC	Cup	Different OD, width, or radius from basic part number.
	AD	Cup	Double cup. (Non-interchangeable with basic part number.)
	ADW	Cone	Double cone. Pilots and slots each end, holes in large rib.
	AH	Cone	Assembled with special cage, rollers, and/or Duo-Face internal geometry. (Non-interchangeable with basic part number.)
	AL	Cone	Assembled with Duo-Face seal.
	ARB	Cup	Single cup with snap ring groove in OD.
	AS	Cone & Cup	Different bore, OD, width, or radius from basic part number.
	ASB	Cone	Single cone, different bore or width from basic part number, assembled with brass cage.
	AV	Cone & Cup	Made of special steel.
	AW	Cone & Cup	Keyway or slotted cone or cup.
	AX	Cone & Cup	Different bore, OD, width, or radius from basic part number.
	AXB	Cone	Different bore, width, or radius from basic part number, assembled with brass cage.
	AXD	Cup	IsoClass cup - double cup without oil holes or groove.
	AXV	Cone & Cup	Different OD, width, or radius from basic part number. Made of special steel.
	AXX	Cone & Cup	Different OD, width, or radius from basic part number. Made of special steel.
	B	Cup	Flanged cup. (Non-interchangeable with basic part number.)
	B	Cone & Cup	IsoClass bearing with same boundary dimensions as basic part number, but with different internal geometry, steeper included cup angle.
	BA	Cup	Flanged cup. (Non-interchangeable with basic part number.)
	BNA	Cone	IsoClass cone used in assemblies with 2 cones mated with double cup to form a double row non-adjustable bearing. (Non-interchangeable with other cones having the same basic part numbers which may vary in bore or width dimensions.)
	BR	Cup	Single cup with groove in OD for snap ring.
	BS	Cup	Flanged cup. (Non-interchangeable with basic part number).
	BW	Cup	Flanged cup with slot. (Non-interchangeable with basic part number.)
	BXX	Cup	Flanged single cup. Made of special steel.
	C	Cone	Single cone, envelope dimensions same as basic part number, different internal geometry.
	C	Cup	Dimensionally different from basic part number. (Non-interchangeable).
	CA	Cone	Single cone, envelope dimensions same as basic part number, different internal geometry.
	CB	Cone	Single cone, dimensionally different from basic part number.

PREFIX	SUFFIX	CONE OR CUP	EXPLANATION
	CD	Cup	Double cup with oil holes and groove. One hole counter-bored for locking pin.
	CE	Cup	Dimensionally different from basic part number. (Non-interchangeable.)
CN		Cup	Neoprene cushioned cup.
	CP	Cone & Cup	Flash chrome plated. Otherwise, interchangeable with basic part number.
	CP	Cone & Cup	Envelope dimensions same as basic part number, different internal geometry, customized for performance.
	CR	Cone & Cup	Ribbed cup bearing series.
	CS	Cone & Cup	Dimensionally different from basic part number. (Non-interchangeable.)
	CX	Cone	Dimensionally different from basic part number. (Non-interchangeable.)
	D	Cone & Cup	Double cone or Double cup. (Non-interchangeable with basic part number.)
	DA	Cone	Double cone. (Non-interchangeable with cones having same basic part number.)
	DA	Cup	Spherical OD double cup. (Non-interchangeable with basic part number or other double cups having same basic numbers.)
	DB	Cup	Double cup with flange. (Non-interchangeable with basic part number or double cups having same basic numbers.)
	DB	Cone	Double cone assembled with brass cages.
	DC	Cup	Double cup with hole for locking pin.
	DD	Cone & Cup	Special long double cone or cup. (Non-interchangeable with basic part number or other double parts having same basic numbers.)
	DE	Cone & Cup	Double cone or double cup having different dimensions or other characteristics from single and double parts identified with same basic part number.
	DF	Cup	Double cup with oil holes and groove. Snap ring groove on OD.
	DG	Cone	Double cone with groove in bore.
	DGW	Cone	Double cone with pressure removal groove in bore, and having face slots.
	DH	Cone	Double cone with special cage, rollers, and/or internal geometry. (Non-interchangeable with basic part number.)
	DP	Cone	Double cone with puller groove.
	DR	Cup	Double cup for ribbed cup series. (Non-interchangeable with single and double cups identified with same basic part number.)
	DRB	Cup	Double cup with snap ring groove.
	DS	Cup	Crowned OD double cup. (Non-interchangeable with other cups having same basic part numbers.)
	DT	Cup	Tapered OD double cup. (Non-interchangeable with other cups having same basic part numbers.)
	DV	Cone & Cup	Double cone or double cup made of special steel.
	DVH	Cone	Double cone, special steel, and/or internal geometry. (Non-interchangeable with basic part number.)
	DW	Cone & Cup	Double cone or double cup with keyway or slot. (Non-interchangeable with cones or cups identified with same basic part numbers.)
	DWA	Cone	Double cone with one end extended and with oil slots in extended end.
	DWH	Cone	Double cone with oil slots, assembled with special cage, rollers, and/or internal geometry. (Non-interchangeable with basic part number.)
	DWV	Cone & Cup	Double cone or double cup with keyway or slot. (Non-interchangeable with cones or cups identified with same basic part numbers.) Made of special steel.

TAPERED ROLLER BEARING PART NUMBER PREFIXES AND SUFFIXES

PREFIX	SUFFIX	CONE OR CUP	EXPLANATION
	DX	Cup	Adaptor for spherical or straight OD cup.
	DXX	Cone & Cup	Double cone or double cup made of special steel.
	E	Cone & Cup	Cones or cups having special characteristics differing from and non-interchangeable with other cones or cups identified with the same basic part numbers.
	ED	Cup	Double cup. (Non-interchangeable with other cups identified with same basic part numbers.)
	EDC	Cup	Double cup, special hole in OD for locking pin.
EE		Cone	Large and small ribs - close guided rollers. (Non-interchangeable with other cones identified with same basic part numbers.)
EH		Cone & Cup	Extra heavy series.
EL		Cone & Cup	Extra light series.
EX		Cone & Cup	Experimental.
	EXX	Cone & Cup	Cones or cups having special characteristics differing from and non-interchangeable with other cones or cups identified with the same basic part numbers. Made of special steel.
	F	Cone	Assembled with polymer cage.
FL		Cone & Cup	"Free lateral" series, no large or small ribs.
FX		Cone & Cup	Factory identification number only.
	G	Cone	Retainer groove in bore.
H		Cone & Cup	Heavy series. (Non-interchangeable with other cones and cups identified with same basic part numbers.)
	H	Cone	Assembled with special cage, rollers, and/or internal geometry. (Non-interchangeable with basic part number.)
	HV	Cone	Assembled with special cage, rollers, and/or internal geometry. Made of special steel. (Non-interchangeable with basic part number.)
HH		Cone & Cup	Heavy-Heavy series. (Non-interchangeable with other cones and cups identified with same basic part numbers.)
HM		Cone & Cup	Heavy-Medium series. (Non-interchangeable with other cones and cups identified with same basic part numbers.)
	HP	Cone	Assembled with special cage and/or roller, different internal geometry. Customized for performance. (Non-interchangeable with basic part number.)
	HR	Cup	Special cup used on "Hydra-Rib" bearing. (Non-interchangeable with basic part number.)
J		Cone & Cup	Used alone or with other prefix letters to indicate metric bore and/or OD.
JC		Cone & Cup	Metric Series.
JD		Cone & Cup	Metric Series.
JE		Cone & Cup	Metric Series.
JF		Cone & Cup	Metric Series.
JG		Cone & Cup	Metric Series.
JN		Cone & Cup	Metric Series.
JP		Cone & Cup	Metric Series.
JR		Cone & Cup	Metric Series.
JRM		Cone & Cup	Metric Series, UNIPAC™ bearing.
JS		Cone & Cup	Metric Series.
JT		Cone & Cup	Metric Series.
JU		Cone & Cup	Metric Series.
JW		Cone & Cup	Metric Series.
K		Cup	Double cup with heavy section. May have unusual feature such as flange. (Non-interchangeable with basic part number.)

PREFIX	SUFFIX	CONE OR CUP	EXPLANATION
	KP	Thrust Bearing	Cadmium plated.
L		Cone & Cup	Light series. (Non-interchangeable with other cones and cups identified with same basic part numbers.)
	L	Cone	Cone assembled with Duo-Face seal.
	L	Cup	Loose rib. (Part of Unit-Bearing.)
	LA	Cone	Cone assembled with Duo-FaceX seal and with "O" ring groove in bore.
	LA, LB,	Seal	These suffixes are used on a basic Duo-Face-Plus seal number to identify the assembly resulting from the use of the seal various cones in the series.
LL		Cone & Cup	Light-Light series.
LM		Cone & Cup	Light-Medium series.
M		Cone & Cup	Medium series.
N		Cone	Bock or Gilliam type bearings.
NA	NA	Cone	Two cones mated with double cup to form double row non-adjustable bearing. (Non-interchangeable with other cones having same basic part numbers which may vary in bore, OD, and width dimensions.)
	NA	Cup	Etched electric pencil or double cups mated with two "NA" type single cones to form double row non-adjustable bearings.
	NAV	Cone	"NA" cone made of special steel.
	NC	Cup	Cushioned cup (usually neoprene).
	NI	Cup	Tapered or threaded bore.
NP		Cone & Cup	Used with random numbers for product differentiation.
	NR	Cone	"NA" type ribless cone for ribbed cup series.
	NW	Cone	"NA" type cone with slotted front face.
	NWV	Cone	"NA" type cone with slotted front face. Made of special steel.
	NX	Cone	Lapped front face.
	P	Cone	Puller groove.
	P	Cone & Cup	Customized for performance.
R		Cone & Cup	Gilliam replacement series. (Non-interchangeable with other cones and cups identified with same basic numbers.)
	R	Cone & Cup	Special feature bearing. (Non-interchangeable with bearings having the same basic part numbers.)
	R	Cone & Cup	Bock type bearing.
	R	Cone	Basic part number with polymer lubricant.
	RB	Cup	Snap ring on OD.
RC		Cone & Cup	Special ribbed cup bearing.
	RN	Various	Used with random numbers, not to exceed six (6) digits, for purchased items that are distributed by Timken.
	RR	Cone & Cup	"Relieved race."
	S	Cone & Cup	Special feature bearing. (Non-interchangeable with bearings having same basic part numbers.)
	SA	Cone & Cup	Special feature bearing. (Non-interchangeable with bearings having same basic part numbers.)
	SB	Cone	Assembled with brass cage. (Non-interchangeable with basic part number.)
	SB	Cup	Flanged cup. (Non-interchangeable with basic part number.)
	SC	Cone	With square bore. (Non-interchangeable with basic part number.)
	SD	Cone & Cup	Double cone with square bore or double cup. (Non-interchangeable with basic part number.)
	SH	Cone	Special feature bearing, with special cage, rollers, and/or internal geometry. (Non-interchangeable with bearings having same basic part numbers.)

TAPERED ROLLER BEARING PART NUMBER PREFIXES AND SUFFIXES

PREFIX	SUFFIX	CONE OR CUP	EXPLANATION
	SL	Thrust Bearing	Basic part number with polymer lubricant.
	SR	Cone	Different radius from basic part numbers.
	SW	Cone & Cup	Slot or keyway. (Non-interchangeable with bearings having same basic part numbers.)
	SWB	Cone	Slot or keyway assembled with brass cage. (Non-interchangeable with bearings having same basic part numbers.)
	SWV	Cone	Slot or keyway made of special steel. (Non-interchangeable with bearings having same basic part numbers.)
	SX	Cup	Special feature bearing. (Non-interchangeable with bearings having same basic part numbers.)
T		Race	Thrust bearing assemblies.
T		Cup	Double cup with heavy section. May have unusual feature such as flange, tapered OD, etc.
	T	Cone	Tapered bore. (Non-interchangeable with basic part number.)
	T	Cup	Tapered OD. (Non-interchangeable with basic part number.)
	TA	Cone	Tapered bore “NA” type cone. (Non-interchangeable with basic part number.)
	TA	Cup	Tapered OD. (Non-interchangeable with basic part number.)
	TB	Cone	Tapered bore cone with brass cage. (Non-interchangeable with basic part number.)
TC		Race	Thrust bearing assembly.
	TC	Cone	Tapered bore. (Non-interchangeable with basic part number.)
	TD	Cone	Double with tapered bore. (Non-interchangeable with basic part number.)
	TDB	Cone	Double with tapered bore, assembled with brass cages. (Non-interchangeable with basic part number.)
	TDE	Cone	Double with tapered bore and extended rib. (Non-interchangeable with basic part number.)
	TDG	Cone	Double with tapered bore, groove in bore. (Non-interchangeable with basic part number.)
	TDGV	Cone	Double with tapered bore, groove in bore. Made of special steel. (Non-interchangeable with basic part number.)
	TDH	Cone	Double with tapered bore, special cage, rollers or internal geometry. (Non-interchangeable with basic part number.)
	TDL	Cone	Double with tapered bore, interlock feature. (Non-interchangeable with basic part number.)
	TDV	Cone	Double with tapered bore. Made of special steel. (Non-interchangeable with basic part number.)
	TDW	Cone	Double with tapered bore and slots or keys. (Non-interchangeable with basic part number.)
	TDXX	Cone	Double with tapered bore. Made of special steel. (Non-interchangeable with basic part number.)
	TE	Cone	Single, tapered bore, extended large rib. (Non-interchangeable with basic part number.)
	TEV	Cone	Single, tapered bore, extended large rib. Made of special steel. (Non-interchangeable with basic part number.)
	TL	Cone	Tapered bore with interlock feature. Non-interchangeable with basic part number.)
	TLE	Cone	Tapered bore with interlock feature and extended rib. (Non-interchangeable with basic part number.)
	TP	Cone	Tapered bore cone with puller groove. (Non-interchangeable with basic part number.)

PREFIX	SUFFIX	CONE OR CUP	EXPLANATION
	TPE	Cone	Tapered bore cone with puller groove, extended large rib. (Non-interchangeable with basic part number.)
	TPV	Cone	Tapered bore cone. Made of special steel. (Non-interchangeable with basic part number.)
	TW	Cone & Cup	Tapered bore cone or cup OD with slots or keys. (Non-interchangeable with basic part number.)
	TWE	Cone & Cup	Tapered bore cone or cup OD with locking keyway in front face, extended larger rib. (Non-interchangeable with basic part number.)
	TXX	Cone	Tapered bore. Made of special steel. (Non-interchangeable with basic part number.)
U		Cone & Cup	Basic series part number, unitized, self-contained.
	U	Cone & Cup	Basic series part number, unitized, self-contained.
	US	Cone & Cup	Special close stand.
V		Cone & Cup	Special close stand.
	V	Cone & Cup	Made of special steel.
	VC	Cone	Special internal geometry. Made of special steel. (Non-interchangeable with basic part number.)
	VH	Cone	Special cage, rollers, and/or internal geometry. Made of special steel. (Non-interchangeable with basic part number.)
	W	Cone & Cup	Slot(s) or keyway(s).
	W	Thrust Bearing	Oil holes in retainer.
	WB	Cone	Slot(s) or keyway(s) with brass cage.
	WC	Cone	Slot(s) or keyway(s).
	WD	Cone	Double cone with slot(s) or keyway(s).
	WE	Cone & Cup	Extended face with slot(s) or keyway(s). (Non-interchangeable with basic part number.)
	WS	Cone & Cup	Slot(s) or keyway(s).
	WV	Cone & Cup	Slot(s) or keyway(s). Made of special steel.
	WXX	Cone & Cup	Slot(s) or keyway(s). Made of special steel.
X		Cone	IsoClass part number.
	X	Cone	Slot(s) or keyway(s).
	X	Cone & Cup	Special feature bearing. (Non-interchangeable with bearings having the same basic part number.)
	X	Cone & Cup	IsoClass bearing with same boundary dimensions as basic part number but with different internal geometry, yielding increased rating.
	XA	Cone & Cup	Special feature bearing. (Non-interchangeable with bearings having the same basic part number.)
XAA		Cone	IsoClass single cone. (Non-interchangeable with bearings having the same basic part number.)
XAB		Cone	IsoClass single cone. (Non-interchangeable with bearings having the same basic part number.)
	XB	Cone	Different bore, width, or radius, from basic part number. Assembled with brass cage. (Non-interchangeable with basic part number.)
	XB	Cup	Special feature flanged cup. (Non-interchangeable with bearings having the same basic part number.) (Non-interchangeable with basic part number.)
XC		Cone & Cup	Limited production bearings to which standard series part numbers have not been assigned.
	XD	Cup	Double cup, no oil holes or groove.
	XD	Cone	Double cone, different bore or width from basic part numbers. Double cone, oil holes in large rib.

TAPERED ROLLER BEARING PART NUMBER PREFIXES AND SUFFIXES

PREFIX	SUFFIX	CONE OR CUP	EXPLANATION
	XDXP	Cup	Double cup, no oil holes or groove, special material and process.
	XE	Cup	Different bore, width, or radius from basic part number.
XGA		Cone	IsoClass single cone. (Non-interchangeable with bearings having the same basic part number.)
XGB		Cone	IsoClass single cone. (Non-interchangeable with bearings having the same basic part number.)
	XP	Cone	Special steel and process.
XR			Crossed roller bearing series.
	XS	Cone & Cup	Different bore, width, or radius from basic part number.
	XS	Cone	Double.
	XV	Cone & Cup	Special feature cone or cup made of special steel.
	XW	Cone	Slotted.
	XX	Cone & Cup	Single cone or single cup. Made of special steel.
Y		Cup	IsoClass part number.
	YD	Cup	Double cup with oil holes, no groove. (Non-interchangeable with basic part number.)
	YDA	Cup	Double cup with oil holes, no groove. (Non-interchangeable with bearings having the same basic part number.)
	YDV	Cup	Double cup with oil holes, no groove. Made of special steel.
	YDW	Cone	Double cup with oil holes, no groove. Slot(s) or keyway(s) in face(s).
	YKA	Cup	IsoClass single cup. (Non-interchangeable with bearings having the same basic part number.)
YKB		Cup	IsoClass single cup. (Non-interchangeable with bearings having the same basic part number.)
YSA		Cup	IsoClass single cup. (Non-interchangeable with bearings having the same basic part number.)
	Z	Cone & Cup	Close stand part.

INTRODUCTION

Mounting a bearing with the proper fit helps ensure the bearing will function as desired. In general, the rotating race must be mounted with a tight fit. A loose fit is used on a stationary cone or on a double cup, especially at the floating position. Cups mounted in an aluminum housing must have minimum tight fit of .001 times the cup O.D. For magnesium housings, the minimum tight fit must be .0015 times the cup O.D. The fitting practices listed within this catalog are specific to industrial applications. **Automotive bearings** require special fitting practices.

Precision bearings require a special fit that depends on the precision class of the bearing used. In addition to the proper fit and bearing alignment, the desired accuracy of the spindle, cup and cone seat roundness, and square backing shoulders for both the cup and the cone are very critical. Less than desirable spindle runout will likely result if any of these areas are out of tolerance. A complete discussion showing recommended fits, cup seat and cone seat roundness and backing squareness is found in the booklet "Timken Bearings For Machine Tools".

Rolling mill bearings also require special fitting practices depending on the type of bearing involved. Refer to the Timken booklet "Rolling Mill Bearings" for a complete discussion of fitting practices.

MACHINED SURFACE FINISHES FOR SHAFTS AND HOUSINGS

The cup and cone seats should be smooth and within specified tolerances for size, roundness and taper. Ground finish is usually recommended for shafts whenever possible. The recommended finish for ground and turned surfaces is as follows:

- Cone seats - ground 63 micro-inches AA (maximum) (1.6 micrometer).
- Cone seats - turned 125 micro-inches AA (maximum) (3.2 micrometer).

If the bearing seat finishes are rougher than these limits, there is not enough contact area and the fit will loosen easily, especially if the race is pressed on and off several times.

The following tables show machined finishes for shafts and housings and the recommended fitting practice for both inch and metric sizes.

INCH SYSTEM BEARINGS
CONE FITTING PRACTICE (inches) **CLASS: 4 AND 2 CONES**

CONE BORE			DEVIATION FROM MINIMUM CONE BORE AND RESULTANT FIT											
			ROTATING CONE		ROTATING OR STATIONARY CONE		STATIONARY CONE							
Range		Tolerance	Ground Seat		Unground or Ground Seat		Unground Seat		Ground Seat		Unground Seat		Hardened and Ground Seat	
		Does not apply to TNASW and TNASWE. type bearings.	Constant Loads With Moderate Shock		Heavy Loads, or High Speed or Shock		Moderate Loads, No Shock		Moderate Loads, No Shock		Sheaves, Wheels, Idlers		Wheel Spindles	
Over	Inclusive		Cone Seat Deviation	Resultant Fit	Cone Seat Deviation	Resultant Fit	Cone Seat Deviation	Resultant Fit	Cone Seat Deviation	Resultant Fit	Cone Seat Deviation	Resultant Fit	Cone Seat Deviation	Resultant Fit
0	3.0000	0.0000 +0.0005	+0.0015 +0.0010	0.0015T 0.0005T	+0.0025 +0.0015	0.0025T 0.0010T	+0.0005 0.0000	0.0005T 0.0005L	0.0000 -0.0005	0.0000 0.0010L	0.0000 -0.0005	0.0000 0.0010L	-0.0002 -0.0007	0.0002L 0.0012L
3.0000	12.0000	0.0000 +0.0010	+0.0025 +0.0015	0.0025T 0.0005T	Use Average Tight Cone Fit of 0.0005 in./in. of Cone Bore		+0.0010 0.0000	0.0010T 0.0010L	0.0000 -0.0010	0.0000 0.0020L	0.0000 -0.0010	0.0000 0.0020L	-0.0002 -0.0012	0.0002L 0.0022L
12.0000	24.0000	0.0000 +0.0020	+0.0050 +0.0030	0.0050T 0.0010T			+0.0020 0.0000	0.0020T 0.0020L	0.0000 -0.0020	0.0000 0.0040L	0.0000 -0.0020	0.0000 0.0040L	— —	— —
24.0000	36.0000	0.0000 +0.0030	+0.0075 +0.0045	0.0075T 0.0015T			+0.0030 0.0000	0.0030T 0.0030L	0.0000 -0.0030	0.0000 0.0060L	0.0000 -0.0030	0.0000 0.0060L	— —	— —

EXAMPLE: If the minimum cone bore = 3.0000 inches, the suggested shaft size = 3.0015 in. to 3.0010 in for a cone fit of 0.0015 in tight to 0.0005 in tight.

INDUSTRIAL FITTING PRACTICES

INCH SYSTEM BEARINGS
CUP FITTING PRACTICE (inches) — CLASS: 4 AND 2 CUPS

CUP OD			DEVIATION FROM MINIMUM CUP OD AND RESULTANT FIT							
			STATIONARY CUP				STATIONARY OR ROTATING CUP		ROTATING CUP	
Range		Tolerance	Floating or Clamped		Adjustable		Non Adjustable or in Carriers, Sheaves - Clamped		Sheaves - Unclamped ‡	
Over	Inclusive		Cup Seat Deviation	Resultant Fit	Cup Seat Deviation	Resultant Fit	Cup Seat Deviation	Resultant Fit	Cup Seat Deviation	Resultant Fit
0	3.0000	+0.0010 0.0000	+0.0020 +0.0030	0.0010L 0.0030L	0.0000 +0.0010	0.0010T 0.0010L	-0.0015 -0.0005	0.0025T 0.0005T	-0.0030 -0.0020	0.0040T 0.0020T
3.0000	5.0000	+0.0010 0.0000	+0.0020 +0.0030	0.0010L 0.0030L	0.0000 +0.0010	0.0010T 0.0010L	-0.0020 -0.0010	0.0030T 0.0010T	-0.0030 -0.0020	0.0040T 0.0020T
5.0000	12.0000	+0.0010 0.0000	+0.0020 +0.0030	0.0010L 0.0030L	0.0000 +0.0020	0.0010T 0.0020L	-0.0020 -0.0010	0.0030T 0.0010T	-0.0030 -0.0020	0.0040T 0.0020T
12.0000	24.0000	+0.0020 0.0000	+0.0040 +0.0060	0.0020L 0.0060L	+0.0010 +0.0030	0.0010T 0.0030L	-0.0030 -0.0010	0.0050T 0.0010T	-0.0040 -0.0020	0.0060T 0.0020T
24.0000	36.0000	+0.0030 0.0000	+0.0060 +0.0090	0.0030L 0.0090L	+0.0020 +0.0050	0.0010T 0.0050L	-0.0040 -0.0010	0.0070T 0.0010T	– –	– –

INCH SYSTEM BEARINGS
CONE FITTING PRACTICE (MICROMETERS) — CLASS: 4 AND 2 CONES

CONE BORE			DEVIATION FROM MINIMUM CONE BORE AND RESULTANT FIT											
			ROTATING CONE		ROTATING OR STATIONARY CONE		STATIONARY CONE							
Range mm		Tolerance µm Does not apply to TNASW and TNASWE. type bearings.	Ground Seat Constant Loads with Moderate Shock		Unground or Ground Seat Heavy Loads, or High Speed or Shock		Unground Seat Moderate Loads, No Shock		Ground Seat Moderate Loads, No Shock		Unground Seat Sheaves, Wheels, Idlers		Hardened and Ground Seat Wheel Spindles	
Over	Inclusive		Cone Seat Deviation	Resultant Fit	Cone Seat Deviation	Resultant Fit	Cone Seat Deviation	Resultant Fit	Cone Seat Deviation	Resultant Fit	Cone Seat Deviation	Resultant Fit	Cone Seat Deviation	Resultant Fit
0	72.200	0 +13	+38 +25	38T 12T	+64 +38	64T 25T	+13 0	13T 13L	0 -13	0 26L	0 -13	0 26L	-5 -18	5L 31L
76.200	304.800	0 +25	+64 +38	64T 13T	Use Average Tight Cone Fit of 0.5µm/mm of Cone Bore.		+25 0	25T 25L	0 -25	0 50L	0 -25	0 50L	-5 -30	5L 55L
304.800	609.600	0 +51	+127 +76	127T 25T			+51 0	51T 51L	0 -51	0 102L	0 -51	0 102L	— —	— —
609.600	914.400	0 +76	+190 +114	190T 38T			+76 0	76T 76L	0 -76	0 152L	0 -76	0 152L	— —	— —

EXAMPLE: If the minimum cone bore = 75.000 mm, the suggested shaft size = 75.038 mm to 75.025 mm, for a cone fit of 0.038 mm tight to 0.012 mm tight.

‡ Unclamped cup design is applicable only to sheaves with negligible fleet angle

INCH SYSTEM BEARINGS
CUP FITTING PRACTICE (MICROMETERS) **CLASS: 4 AND 2 CUPS**

CUP OD			DEVIATION FROM MINIMUM CUP OD AND RESULTANT FIT							
			STATIONARY CUP				STATIONARY OR ROTATING CUP		ROTATING CUP	
Range (mm)		Tolerance (µm)	Floating or Clamped		Adjustable		Nonadjustable or in Carriers, Sheaves-Clamped		Sheaves-Unclamped ‡	
Over	Inclusive		Cup Seat Deviation	Resultant Fit	Cup Seat Deviation	Resultant Fit	Cup Seat Deviation	Resultant Fit	Cup Seat Deviation	Resultant Fit
0	76.200	+25 0	+51 +76	26L 76L	0 +25	25T 25L	-38 -13	63T 13T	-76 -51	101T 51T
76.200	127.000	+25 0	+51 +76	26L 76L	0 +25	25T 25L	-51 -25	76T 25T	-76 -51	101T 51T
127.000	304.800	+25 0	+51 +76	26L 76L	0 +51	25T 51L	-51 -25	76T 25T	-76 -51	101T 51T
304.800	609.600	+51 0	+102 +152	51L 152L	+26 +76	25T 76L	-76 -25	127T 25T	-102 -51	153T 51T
609.600	914.400	+76 0	+152 +229	76L 229L	+51 +127	25T 127L	-102 -25	178T 25T	– –	– –

FOR METRIC "J" PREFIX AND IsoClass PARTS
CUP FITTING PRACTICE (INCHES) **CLASS: K AND N CUPS**

CUP OD			DEVIATION FROM MAXIMUM CUP OD AND RESULTANT FIT											
			STATIONARY CUP									ROTATING CUP		
Range		Tolerance	Floating or Clamped			Adjustable			Non adjustable or in Carriers			Nonadjustable or in Carriers, Sheaves-Clamped		
Open	Inclusive		Cup Seat Deviation	Resultant Fit	Sym-bol	Cup Seat Deviation	Resultant Fit	Sym-bol	Cup Seat Deviation	Resultant Fit	Sym-bol	Cup Seat Deviation	Resultant Fit	Sym-bol
0.7087	1.1811	0.0000 -0.0005	+0.0003 +0.0011	0.0003L 0.0016L	G7	-0.0003 +0.0005	0.0003T 0.0010L	J7	-0.0013 -0.0005	0.0013T 0.0000	P7	-0.0017 -0.0009	0.0017T 0.0004T	R7
1.1811	1.9685	0.0000 -0.0006	+0.0004 +0.0014	0.0004L 0.0020L	G7	-0.0004 +0.0006	0.0004T 0.0011L	J7	-0.0016 -0.0006	0.0016T 0.0000	P7	-0.0020 -0.0010	0.0020T 0.0004T	R7
1.9685	3.1496	0.0000 -0.0006	+0.0004 +0.0016	0.0004L 0.0022L	G7	-0.0004 +0.0008	0.0004T 0.0014L	J7	-0.0021 -0.0009	0.0021T 0.0003T	P7	-0.0023 -0.0011	0.0023T 0.0005T	R7
3.1496	4.7244	0.0000 -0.0007	+0.0005 +0.0019	0.0005L 0.0026L	G7	-0.0005 +0.0009	0.0005T 0.0016L	J7	-0.0025 -0.0011	0.0025T 0.0004T	P7	-0.0029 -0.0015	0.0029T 0.0008T	R7
4.7244	5.9055	0.0000 -0.0008	+0.0006 +0.0022	0.0006L 0.0030L	G7	-0.0006 +0.0010	0.0006T 0.0018L	J7	-0.0028 -0.0012	0.0028T 0.0004T	P7	-0.0035 -0.0019	0.0035T 0.0011T	—
5.9055	7.0866	0.0000 -0.0010	+0.0006 +0.0022	0.0006L 0.0032L	G7	-0.0006 +0.0010	0.0006T 0.0020L	J7	-0.0028 -0.0012	0.0028T 0.0002T	P7	-0.0035 -0.0019	0.0035T 0.0009T	—
7.0866	9.8425	0.0000 -0.0012	+0.0006 +0.0024	0.0006L 0.0036L	G7	-0.0007 +0.0011	0.0007T 0.0023L	J7	-0.0032 -0.0014	0.0032T 0.0002T	P7	-0.0042 -0.0024	0.0042T 0.0012T	R7
9.8425	12.40.16	0.0000 -0.0014	+0.0007 +0.0027	0.0007L 0.0041L	G7	-0.0007 +0.0013	0.0007T 0.0027L	J7	-0.0034 -0.0014	0.0034T 0.0000	P7	-0.0047 -0.0027	0.0047T 0.0013T	R7
12.4016	15.7480	0.0000 -0.0016	+0.0025 +0.0039	0.0025L 0.0055L	F6	-0.0007 +0.0015	0.0007T 0.0031L	J7	-0.0039 -0.0017	0.0039T 0.0001T	P7	-0.0059 -0.0037	0.0059T 0.0021T	R7
15.7480	19.6850	0.0000 -0.0018	+0.0028 +0.0038	0.0028L 0.0056L	F5	-0.0009 +0.0016	0.0009T 0.0034L	J7	-0.0044 -0.0019	0.0044T 0.0001T	P7	-0.0066 -0.0041	0.0066T 0.0023T	R7
19.6850	24.8032	0.0000 -0.0020	+0.0026 +0.0045	0.0026L 0.0065L	—	-0.0009 +0.0018	0.0009T 0.0038L	—	-0.0046 -0.0020	0.0046T 0.0000	—	-0.0070 -0.0042	0.0070T 0.0022T	—
24.8032	31.4961	0.0000 -0.0031	+0.0030 +0.0059	0.0030L 0.0090L	—	-0.0010 +0.0020	0.0010T 0.0051L	—	-0.0059 -0.0030	0.0059T 0.0001L	—	— —	— —	—
31.4961	39.3701	0.0000 -0.0039	+0.0030 +0.0069	0.0030L 0.0108L	—	-0.0010 +0.0030	0.0010T 0.0069L	—	-0.0079 -0.0039	0.0079T 0.0000	—	— —	— —	—

‡ Unclamped cup design is applicable only to sheaves with negligible fleet angle

FOR "J" PREFIX AND ISO PARTS CONE FITTING PRACTICE (INCHES)

CLASS: K AND N CONES

CONE BORE			DEVIATION FROM MAXIMUM CONE BORE AND RESULTANT FIT																	
			ROTATING CONE			ROTATING OR STATIONARY CONE			STATIONARY CONE											
Range		Tolerance	Ground Seat Constant Loads with Moderate Shock			Unground or Ground Seat Heavy Loads, or High Speed or Shock			Unground Seat Moderate Loads, No Shock			Ground Seat Moderate Loads, No Shock			Unground Seat Sheaves, Wheels, Idlers			Hardened and Ground Seat Wheel Spindles		
Over	Inclusive		Cone Seat Deviation	Resultant Fit	Symbol	Cone Seat Deviation	Resultant Fit	Symbol	Cone Seat Deviation	Resultant Fit	Symbol	Cone Seat Deviation	Resultant Fit	Symbol	Cone Seat Deviation	Resultant Fit	Symbol	Cone Seat Deviation	Resultant Fit	Symbol
0.3937	0.7087	-0.0005 0.0000	+0.0007 +0.0003	0.0012T 0.0003T	m6	+0.0009 +0.0005	0.0014T 0.0005T	n6	0.0000 -0.0004	0.0005T 0.0004L	h6	-0.00025 -0.00065	0.00025T 0.00065L	g6	-0.00025 -0.00065	0.00025T 0.00065L	g6	-0.0006 -0.0011	0.0001L 0.0010L	f6
0.7087	1.1811	-0.0005 0.0000	+0.0008 +0.0003	0.0013T 0.0003T	m6	+0.0011 +0.0006	0.0016T 0.0006T	n6	0.0000 -0.0005	0.0005T 0.0005L	h6	-0.0003 -0.0008	0.0002T 0.0008L	g6	-0.0003 -0.0008	0.0002T 0.0008L	g6	-0.0008 -0.0013	0.0003L 0.0013L	f6
1.1811	1.9685	-0.0005 0.0000	+0.0010 +0.0004	0.0015T 0.0004T	m6	+0.0013 +0.0007	0.0018T 0.0007T	n6	0.0000 -0.0006	0.0005T 0.0006L	h6	-0.0004 -0.0010	0.0001T 0.0010L	g6	-0.0004 -0.0010	0.0001T 0.0010L	g6	-0.0010 -0.0016	0.0005L 0.0016L	f6
1.9685	3.1496	-0.0006 0.0000	+0.0012 +0.0005	0.0018T 0.0005T	m6	+0.0015 +0.0008	0.0021T 0.0008T	n6	0.0000 -0.0007	0.0006T 0.0007L	h6	-0.0004 -0.0011	0.0002T 0.0011L	g6	-0.0004 -0.0011	0.0002T 0.0011L	g6	-0.0012 -0.0019	0.0006L 0.0019L	f6
3.1496	4.7244	-0.0008 0.0000	+0.0014 +0.0005	0.0022T 0.0005T	m6	+0.0019 +0.0010	0.0027T 0.0010T	n6	0.0000 -0.0009	0.0008T 0.0009L	h6	-0.0005 -0.0014	0.0003T 0.0014L	g6	-0.0005 0.0014	0.0003T 0.0014L	g6	-0.0014 -0.0023	0.0006L 0.0023L	f6
4.7244	7.0866	-0.0010 0.0000	+0.0022 +0.0022	0.0032T 0.0012T	n6	+0.0028 +0.0018	0.0038T 0.0018T	p6	0.0000 -0.0010	0.0010T 0.0010L	h6	-0.0006 -0.0016	0.0004T 0.0016L	g6	-0.0006 -0.0016	0.0004T 0.0016L	g6	-0.0016 -0.0026	0.0006L 0.0026L	f6
7.0866	9.8425	-0.0012 0.0000	+0.0026 +0.0014	0.0038T 0.0014T	n6	+0.0042 +0.0030	0.0054T 0.0030T	r6	0.0000 -0.0012	0.0012T 0.0012L	h6	-0.0006 -0.0018	0.0006T 0.0018L	g6	-0.0006 -0.0018	0.0006T 0.0018L	g6	-0.0020 -0.0032	0.0008L 0.0032L	f6
9.8425	12.4016	-0.0014 0.0000	+0.0026 +0.0014	0.0040T 0.0014T	n6	+0.0055 +0.0035	0.0069T 0.0035T	r7	0.0000 -0.0012	0.0014T 0.0012L	h6	-0.0007 -0.0019	0.0007T 0.0019L	g6	-0.0007 -0.0019	0.0007T 0.0019L	g6	-0.0022 -0.0034	0.0008L 0.0034L	f6
12.4016	15.7480	-0.0016 0.0000	+0.0030 +0.0016	0.0046T 0.0016T	n6	+0.0067 +0.0045	0.0083T 0.0045T	r7	0.0000 -0.0014	0.0016T 0.0014L	h6	-0.0007 -0.0029	0.0009T 0.0029L	g7	-0.0007 -0.0029	0.0009T 0.0029L	g7	— —	— —	— —
15.7480	19.6850	-0.0018 0.0000	+0.0034 +0.0018	0.0052T 0.0018T	n6	+0.0075 +0.0050	0.0093T 0.0050T	r7	0.0000 -0.0016	0.0018T 0.0016L	h6	-0.0008 -0.0033	0.0010T 0.0033L	g7	-0.0008 -0.0033	0.0010T 0.0033L	g7	— —	— —	— —
19.6850	24.8032	-0.0020 0.0000	+0.0039 +0.0020	0.0059T 0.0020T	—	+0.0079 +0.0050	0.0099T 0.0050T	—	0.0000 -0.0020	0.0020T 0.0020L	—	-0.0020 -0.0039	0.0000 0.0039L	—	-0.0020 -0.0039	0.0000 0.0039L	—	— —	— —	— —
24.8032	31.4961	-0.0031 0.0000	+0.0049 +0.0020	0.0080T 0.0020T	—	+0.0089 +0.0059	0.0120T 0.0059T	—	0.0000 -0.0030	0.0031T 0.0030L	—	-0.0031 -0.0059	0.0000 0.0059L	—	-0.0031 -0.0059	0.0000 0.0059L	—	— —	— —	— —
31.4961	39.3701	-0.0039 0.0000	+0.0059 +0.0020	0.0098T 0.0020T	—	+0.0108 +0.0069	0.0147T 0.0069T	—	0.0000 -0.0039	0.0039T 0.0039L	—	-0.0039 -0.0079	0.0000 0.0079L	—	-0.0039 -0.0079	0.0000 0.0079L	—	— —	— —	— —

FOR "J" PREFIX AND ISO PARTS
CUP FITTING PRACTICE (MICROMETERS)

CLASS: K AND N CUPS

CUP OD			DEVIATION FROM MAXIMUM CUP OD AND RESULTANT FIT											
			STATIONARY CUP									ROTATING CUP		
Range (mm)		Tolerance (μm)	Floating or Clamped			Adjustable			Nonadjustable or in Carriers			Nonadjustable or in Carriers or Sheaves-Clamped		
Open	Inclusive		Cup Seat Deviation	Resultant Fit	Sym-bol	Cup Seat Deviation	Resultant Fit	Sym-bol	Cup Seat Deviation	Resultant Fit	Sym-bol	Cup Seat Deviation	Resultant Fit	Sym-bol
18	30	0 -12	+7 +28	7L 40L	G7	-9 +12	9T 24L	J7	-35 -14	35T 2T	P7	-41 -20	41T 8T	R7
30	50	0 -14	+9 +34	9L 48L	G7	-11 +14	11T 28L	J7	-42 -17	42T 3T	P7	-50 -25	50T 11T	R7
50	65	0 -16	+10 40	10L 56L	G7	-12 +18	12T 34L	J7	-51 -21	51T 5T	P7	-60 -30	60T 14T	R7
65	80											-62 -32	62T 16T	
80	100	0 -18	+12 47	12L 65L	G7	-13 +22	13T 34L	J7	-59 -24	59T 6T	P7	-73 -38	73T 20T	R7
100	120											-76 -41	76T 23T	
120	150	0 -20	+14 +54	14L 74L	G7	-14 +26	14T 46L	J7	-68 -28	68T 8T	P7	-89 -48	89T 28T	—
150	180	0 -25	+14 +54	14L 79L	G7	-14 +260	14T 51L	J7	-68 -28	68T 3T	P7	-89 -48	89T 23T	—
180	200	0 -30	+15 +61	15L 91L	G7	-16 +30	16T 60L	J7	-79 -33	79T 3T	P7	-106 -60	106T 30T	R7
200	225											-109 -63	109T 33T	
225	250											-113 -67	113T 37T	
250	280	0 -35	+17 +69	17L 104L	G7	-16 +36	16T 71L	J7	-88 -36	88T 1T	P7	-126 -74	126T 39T	R7
280	315											-130 -78	130T 43T	
315	355	0 -40	+62 +98	62L 138L	G7	-18 +39	18T 79L	J7	-98 -41	98T 1T	P7	-144 -87	144T 47T	R7
355	400											-150 -93	150T 53T	
400	450	0 -45	+68 +95	68L 140L	G7	-20 +43	20T 88L	J7	-108 -45	108T 0	P7	-166 -103	166T 58T	R7
450	500											-172 -109	172T 64T	
500	630	0 -50	+65 +115	65L 165L	—	-22 +46	22T 96L	—	-118 -50	118T 0	—	-190 -120	190T 70T	—
630	800	0 -80	+75 +150	75L 230L	—	-25 +50	25T 130L	—	150 -75	150T 5L	—	— —	— —	—
800	1000	0 -100	+75 +175	75L 275L	—	-25 +75	25T 175L	—	-200 -100	200T 0	—	— —	— —	—

FOR "J" PREFIX AND ISO PARTS
CONE FITTING PRACTICE (MICROMETERS)

CLASS: K AND N CONES

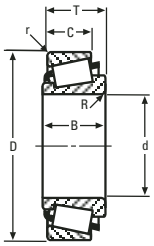
CONE BORE			DEVIATION FROM MAXIMUM CONE BORE AND RESULTANT FIT																
			ROTATING CONE			ROTATING OR STATIONARY CONE			STATIONARY CONE										
Range		Toler-ence	Ground Seat Constant Loads with Moderate Shock			Unground or Ground Seat Heavy Loads, or High Speed or Shock			Unground Seat Moderate Loads, No Shock			Ground Seat Moderate Loads No Shock			Unground Seat Sheaves, Wheels, Idlers			Hardened and Ground Seat Wheel Spindles		
Open	Inclusive		Cone Seat Deviation	Resultant Fit	Sym-bol	Cone Seat Deviation	Resultant Fit	Sym-bol	Cone Seat Deviation	Resultant Fit	Sym-bol	Cone Seat Deviation	Resultant Fit	Sym-bol	Cone Seat Deviation	Resultant Fit	Sym-bol	Cone Seat Deviation	Resultant Fit	Sym-bol
10	18	-12 0	+18 +7	30T 7T	m6	+23 +12	35T 12T	m6	0 -11	12T 011L	h6	-6 -17	6T 17L	g6	-6 -17	6T 17L	g6	-16 -27	4L 27L	f6
18	30	-12 0	+21 +8	33T 8T	m6	+28 +15	40T 15T	m6	0 -13	12T 13L	h6	-7 -20	5T 20L	g6	-7 -20	5T 20L	g6	-20 -33	8L 33L	f6
30	50	-12 0	+25 +9	37T 9T	m6	+33 +17	45T 17T	m6	0 -16	12T 16L	h6	-9 -25	3T 25L	g6	-9 -25	3T 25L	g6	-25 -41	13L 41L	f6
50	80	-15 0	+30 +11	45T 11T	m6	+39 +20	54T 20T	m6	0 -19	15T 19L	h6	-10 -29	5T 29L	g6	-10 -29	5T 29L	g6	-30 -49	15L 49L	f6
80	120	-20 0	+35 +13	55T 13T	m6	+45 +23	65T 23T	m6	0 -22	20T 22L	h6	-12 -34	8T 34L	g6	-12 -34	8T 34L	g6	-36 -58	16L 58L	f6
120	180	-25 0	+52 +27	77T 27T	m6	+68 +43	93T 43T	p6	0 -25	25T 25L	h6	-14 -39	11T 39L	g6	-14 -39	11T 39L	g6	-43 -68	18L 68L	f6
180	200	-30 0	+60 +31	90T 31T	m6	+106 +77	136T 77T	r6	0 -29	30T 29L	h6	-15 -44	15T 44L	g6	-15 -44	15T 44L	g6	-50 -79	20L 79L	f6
200	225					+109 +80	139T 80T													
225	250					+113 +84	143T 84T													
250	280	-35 0	+66 +34	101T 34T	m6	+146 +94	181T 94T	r7	0 -32	35T 32L	h6	-17 -49	18T 49L	g6	-17 -49	18T 49L	g6	-56 -88	21L 88L	f6
280	315					+150 +98	185T 98T													
315	355	-40 0	+73 +37	113T 37T	m6	+165 +108	205T 108T	r7	0 -36	40T 36L	h6	-18 -75	22T 75L	g7	-18 -75	22T 75L	g7	— —	—	—
355	400					+171 +114	211T 114T													
400	450	-45 0	+80 +40	125T 40T	m6	+189 +126	234T 126T	r7	0 -40	45T 40L	h6	-20 -83	25T 83L	g7	-20 -83	25T 83L	g7	— —	—	—
450	500					+195 +132	240 132T													
500	630	-50 0	+100 +50	150T 50T	—	+200 +125	250T 125T	—	0 -50	50T 50L	—	-50 -100	0 100L	—	-50 -100	0 100L	—	— —	—	—
630	800	-80 0	+150 +50	205T 50T	—	+225 +150	305T 150T	—	0 -75	80T 75L	—	-80 -150	0 150L	—	-80 -150	0 150L	—	— —	—	—
800	1000	-100 0	+150 +50	250T 50T	—	+275 +175	375T 175T	—	0 -100	100T 100L	—	-100 -200	0 200L	—	-100 -200	0 200L	—	—	—	—

CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
5A Series											
					6						
					6CE						
						SEE STEERING GEAR BEARING SECTION					
					7						
					7A						
					06						
5C Series											4CB: NO SMALL RIB
4A	**19.050**	**11.908**	**1.5**	**.06 kg**	***06**	**49.154**	**15.875**	**.8**	**.11 kg**	**18.968**	
	.7500	.4688	.06	.12 lb		1.9352	.6250	.03	.24 lb	.7468	4CX: NO SMALL RIB
4C	**17.462**	**11.908**	**1.5**	**.06 kg**	**6**	**44.450**	**9.525**	**1.5**	**.03 kg**	**12.700**	4T: TAPERED BORE
	.6875	.4688	.06	.13 lb		1.7500	.3750	.06	.08 lb	.5000	06 : CHAMFER ON FRONTFACE OD
***4T**	**23.812**	**11.908**	**.8**	**.05 kg**	***7A**	**49.154**	**22.225**	**.8**	**.15 kg**	**25.382**	7 : CHAMFER ON FRONTFACE OD
	.9375	.4688	.03	.12 lb		1.9352	.8750	.03	.33 lb	.9993	7A : SHOULDER ON OD BACKFACE
					***7**	**49.154**	**15.088**	**.4**	**.10 kg**	**18.262**	SPECIAL CHAMFER ON
						1.9352	.5940	.02	.23 lb	.7190	FRONTFACE OD
***4CB**	**20.638**	**12.090**	**1.3**	**.05 kg**	4CB and grouped cones may be paired with all single cups corresponding to 4A and will require						
	.8125	.4760	.05	.12 lb	.537 mm (.0605 in) to be added to the T-width values.						
***4CX**	**19.588**	**12.090**	**.3**	**.06 kg**							
	.7712	.4760	.01	.12 lb							
4X	**19.588**	**13.444**	**.4**	**.06 kg**							
	.7712	.5293	.01	.14 lb							
11A Series											
					13C						
					13X						
						SEE STEERING GEAR BEARING SECTION					
					14						
					14C						
					14CE						
					14XS						
11C Series											12CA: NO SMALL RIB
***12CA**	**23.812**	**11.153**	**1.5**	**.06 kg**	**13X**	**49.609**	**11.509**	**1.5**	**.06 kg**	**15.872**	12CB: NO SMALL RIB
	.9375	.4391	.06	.14 lb		1.9531	.4531	.06	.13 lb	.6249	
***12CB**	**25.400**	**11.153**	**1.5**	**.06 kg**	**13C**	**49.225**	**11.509**	**1.5**	**.05 kg**	**15.872**	14 : CHAMFER ON BACKFACE OD
	1.0000	.4391	.06	.13 lb		1.9380	.4531	.06	.12 lb	.6249	SPECIAL CHAMFER ON
					***14**	**53.917**	**16.172**	**.4**	**.12 kg**	**20.887**	FRONTFACE OD
						2.1227	.6367	.02	.27 lb	.8223	
					***14C**	**57.092**	**17.094**	**-**	**.18 kg**	**21.483**	14C : CHAMFER ON BACKFACE OD
						2.2477	.6730	-	.39 lb	.8458	SPECIAL CHAMFER ON
					***14XS**	**57.092**	**17.094**	**2.0**	**.18 kg**	**21.483**	FRONTFACE OD
						2.2477	.6730	.08	.40 lb	.8458	14XS : SPECIAL CHAMFER
					14CE	**52.362**	**9.525**	**1.5**	**.06 kg**	**13.091**	ON FRONTFACE OD
						2.0615	.3750	.06	.13 lb	.5154	
15A Series											
					16						
					17						
						SEE STEERING GEAR BEARING SECTION					
					18						
15C Series											
					16						
					17						
						SEE STEERING GEAR BEARING SECTION					
					18						
21A Series											
					23						
						SEE STEERING GEAR BEARING SECTION					
					24						
21C Series											
					23						
						SEE STEERING GEAR BEARING SECTION					
					24						

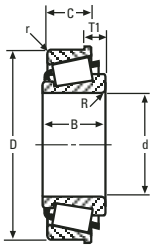
··These Maximum Fillet Radii will be cleared by the Cone or Cup Radii.
†Bore or O.D. shown are maximum dimensions. * See Remarks Column.

31A SERIES CONTINUED ON NEXT PAGE

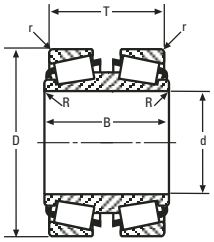
31A – 245 SERIES



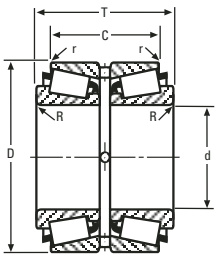
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	CONE Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	CUP Weight	BEARING WIDTH T	Remarks
31A Series											29: NO SMALL RIB
***29**	**30.162** 1.1875	**16.662** .6560	**1.5** .06	**.13 kg** .28 lb	**32C**	**61.087** 2.4050	**11.908** .4688	**1.5** .06	**.08 kg** .18 lb	**19.054** .7502	
					32	**61.087** 2.4050	**11.112** .4375	**1.5** .06	**.08 kg** .18 lb	**19.050** .7500	
					33	**66.637** 2.6235	**11.112** .4375	**1.5** .06	**.13 kg** .28 lb	**19.050** .7500	
31C Series					**32** **32C** **32X** **33**	SEE STEERING GEAR BEARING SECTION					
35A Series					**36X** **38A** **38AW** **38X**	SEE STEERING GEAR BEARING SECTION					
35C Series											40: NO SMALL RIB
***40**	**30.124** 1.1860	**15.479** .6094	**1.3** .05	**-** -	**36X**	**64.287** 2.5310	**13.096** .5156	**1.5** .06	**.10 kg** .22 lb	**18.273** .7194	38A : SPECIAL CHAMFER ON BACKFACE OD SPECIAL CHAMFER ON FRONTFACE OD
					***38AW**	**69.850** 2.7500	**23.368** .9200	**spcl.** spcl.	**.31 kg** .69 lb	**28.544** 1.1238	38AW : KEYWAY IN OD SURFACE SPECIAL CHAMFER ON BACKFACE OD SPECIAL CHAMFER ON FRONTFACE OD
					***38X**	**69.850** 2.7500	**18.654** .7344	**spcl.** spcl.	**.25 kg** .56 lb	**23.792** .9367	38X : SPECIAL CHAMFER ON BACKFACE OD SPECIAL CHAMFER ON FRONTFACE OD
					***38A**	**69.850** 2.7500	**23.368** .9200	**spcl.** spcl.	**.32 kg** .71 lb	**28.544** 1.1238	
45 Series					**46** **47** **47W**	SEE STEERING GEAR BEARING SECTION					
U100 Series											
U199	SEE UNIT BEARING SECTION				**U160L**	SEE UNIT BEARING SECTION					
155 Series											
157	**20.000** .7874	**16.205** .6380	**1.0** .04	**.11 kg** .24 lb	**153**	**52.000** 2.0472	**14.986** .5900	**1.0** .04	**.07 kg** .15 lb	**15.000** .5905	
U200 Series											
U298	SEE UNIT BEARING SECTION				**U261L**	SEE UNIT BEARING SECTION					
235 Series											
235	**23.812** .9375	**19.558** .7700	**.8** .03	**.16 kg** .36 lb	**233**	**62.000** 2.4409	**13.033** .5131	**.8** .03	**.10 kg** .22 lb	**17.000** .6693	
236	**25.400** 1.0000	**19.558** .7700	**.8** .03	**.15 kg** .34 lb	**2320**	**56.896** 2.2400	**20.638** .8125	**3.3** .13	**.09 kg** .20 lb	**24.598** .9684	
237	**25.000** .9843	**19.558** .7700	**.8** .03	**.15 kg** .34 lb	**2330**	**56.896** 2.2400	**20.638** .8125	**.8** .03	**.10 kg** .21 lb	**24.598** .9684	
245 Series											
246X	**22.225** .8750	**19.000** .7480	**3.5** .14	**.19 kg** .43 lb	**242**	**62.000** 2.4409	**16.002** .6300	**2.0** .08	**.09 kg** .21 lb	**17.983** .7080	
0247	**25.400** 1.0000	**19.000** .7480	**2.0** .08	**.18 kg** .40 lb	**243**	**62.000** 2.4409	**17.000** .6693	**2.0** .08	**.09 kg** .21 lb	**17.000** .6693	
247	**25.000** .9843	**19.000** .7480	**2.0** .08	**.18 kg** .40 lb	**244X**	**61.912** 2.4375	**17.462** .6875	**3.3** .13	**.10 kg** .23 lb	**21.018** .8275	
248X	**20.622** .8119	**19.000** .7480	**2.0** .08	**.21 kg** .45 lb							

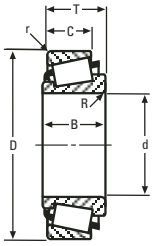
255 SERIES CONTINUED ON NEXT PAGE

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

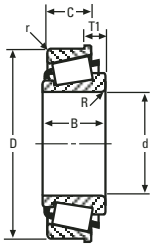
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	r ¨	Weight	WIDTH T	
255 Series											
255	**31.750** 1.2500	**19.253** .7580	**2.3** .09	**.21 kg** .46 lb	**0253**	**69.850** 2.7500	**17.462** .6875	**2.0** .08	**.13 kg** .28 lb	**17.462** .6875	
256	**33.338** 1.3125	**19.253** .7580	**.8** .03	**.20 kg** .44 lb	**253**	**72.000** 2.8346	**17.000** .6693	**.8** .03	**.16 kg** .35 lb	**17.000** .6693	
257	**30.162** 1.1875	**19.253** .7580	**.8** .03	**.22 kg** .49 lb	**2520**	**66.421** 2.6150	**20.638** .8125	**3.3** .13	**.12 kg** .26 lb	**24.606** .9687	
258	**26.988** 1.0625	**19.253** .7580	**.8** .03	**.24 kg** .54 lb	**2523-S**	**69.850** 2.7500	**19.050** .7500	**1.5** .06	**.17 kg** .37 lb	**23.019** .9062	
259	**35.000** 1.3780	**19.253** .7580	**.8** .03	**.18 kg** .41 lb							
U300 Series											
U399	SEE UNIT BEARING SECTION				**U360L**	SEE UNIT BEARING SECTION					
U399A					**U365L**						
315 Series											
315	**25.400** 1.0000	**22.174** .8730	**.8** .03	**.33 kg** .74 lb	**312**	**72.626** 2.8593	**23.812** .9375	**3.3** .13	**.19 kg** .41 lb	**26.988** 1.0625	
316	**30.162** 1.1875	**22.174** .8730	**.8** .03	**.30 kg** .66 lb	**313**	**72.000** 2.8346	**19.000** .7480	**2.0** .08	**.12 kg** .26 lb	**19.000** .7480	
319	**30.000** 1.1811	**22.174** .8730	**.8** .03	**.30 kg** .67 lb	**314**	**80.000** 3.1496	**21.000** .8268	**2.0** .08	**.29 kg** .64 lb	**21.000** .8268	
320	**22.225** .8750	**22.174** .8730	**.8** .03	**.35 kg** .78 lb	**323**	**75.000** 2.9528	**19.000** .7480	**2.0** .08	**.17 kg** .38 lb	**19.000** .7480	
321	**25.776** 1.0148	**22.174** .8730	**.8** .03	**.33 kg** .72 lb							
322	**29.972** 1.1800	**22.174** .8730	**.8** .03	**.30 kg** .67 lb							
325	**34.925** 1.3750	**22.174** .8730	**.8** .03	**.25 kg** .56 lb							
335 Series											347X: EXTENDED LARGE RIB SHOULDER ON OD BACKFACE
334	**30.162** 1.1875	**22.403** .8820	**.8** .03	**.43 kg** .95 lb	**332**	**80.000** 3.1496	**17.826** .7018	**1.3** .05	**.14 kg** .32 lb	**21.000** .8268	
V334A	**25.000** .9842	**21.151** .8327	**1.5** .06	**.45 kg** 1.00 lb	**332A**	**80.000** 3.1496	**21.000** .8268	**2.3** .09	**.18 kg** .39 lb	**24.175** .9518	332-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
335	**34.925** 1.3750	**22.403** .8820	**.8** .03	**.39 kg** .85 lb	***332-B**	**80.000** 3.1496	**17.826** .7018	**.8** .03	**.17 kg** .37 lb	**7.938** .3125	
335-S	**33.338** 1.3125	**22.403** .8820	**.8** .03	**.40 kg** .88 lb	**332US**	**80.000** 3.1496	**17.826** .7018	**2.0** .08	**.14 kg** .31 lb	**21.000** .8268	
336	**41.275** 1.6250	**22.403** .8820	**.8** .03	**.32 kg** .70 lb	**333**	**80.000** 3.1496	**21.000** .8268	**2.0** .08	**.16 kg** .34 lb	**21.000** .8268	
337	**38.100** 1.5000	**22.403** .8820	**.8** .03	**.35 kg** .78 lb	**333A**	**79.974** 3.1486	**21.000** .8268	**.8** .03	**.16 kg** .35 lb	**21.000** .8268	
337W	**38.100** 1.5000	**22.403** .8820	**.8** .03	**.34 kg** .76 lb	**V333AS**	**80.000** 3.1496	**21.000** .8268	**1.5** .06	**.16 kg** .35 lb	**21.000** .8268	
338	**25.400** 1.0000	**22.403** .8820	**.8** .03	**.47 kg** 1.03 lb	**0332US**	**85.725** 3.3750	**17.826** .7018	**2.3** .09	**.24 kg** .54 lb	**21.000** .8268	
339	**35.000** 1.3780	**22.403** .8820	**.8** .03	**.39 kg** .85 lb	**3320**	**80.167** 3.1562	**23.812** .9375	**3.3** .13	**.21 kg** .46 lb	**26.987** 1.0625	
339X	**35.000** 1.3780	**22.403** .8820	**2.0** .08	**.38 kg** .85 lb	**3320X**	**85.725** 3.3750	**23.812** .9375	**3.3** .13	**.30 kg** .66 lb	**21.000** .8268	
342	**41.275** 1.6250	**22.403** .8820	**3.5** .14	**.31 kg** .69 lb							
342-S	**42.875** 1.6880	**22.403** .8820	**3.5** .14	**.29 kg** .65 lb							
342-SW	**42.875** 1.6880	**22.403** .8820	**3.5** .14	**.30 kg** .66 lb							
342X	**43.000** 1.6929	**22.403** .8820	**3.5** .14	**.30 kg** .66 lb							
343	**34.925** 1.3750	**22.403** .8820	**3.5** .14	**.38 kg** .84 lb							
344	**40.000** 1.5748	**22.403** .8820	**3.5** .14	**.33 kg** .72 lb							
344A	**40.000** 1.5748	**22.403** .8820	**.8** .03	**.33 kg** .74 lb							
346	**31.750** 1.2500	**22.403** .8820	**.8** .03	**.42 kg** .92 lb							

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

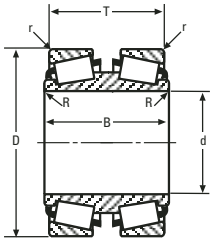
335 SERIES CONTINUED ON NEXT PAGE



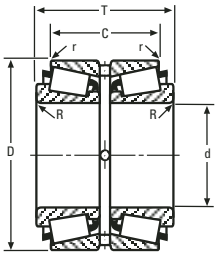
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	Weight	BEARING WIDTH T	Remarks
335 Series (cont)											
347	**38.100** 1.5000	**22.403** .8820	**3.5** .14	**.35 kg** .77 lb							
337-S	**38.100** 1.5000	**23.673** .9320	**.8** .03	**.37 kg** .81 lb	337-S and grouped cones may be paired with all single cups corresponding to 334 and will require 1.270 mm (.0500 in) to be added to the T-width values.						
337X	**40.483** 1.5938	**23.673** .9320	**.8** .03	**.34 kg** .75 lb							
342A	**41.275** 1.6250	**29.977** 1.1802	**3.5** .14	**.39 kg** .87 lb	342A may be paired with all single cups corresponding to 334 and will require 7.574 mm (.2982 in) to be added to the T-width values.						
***347X**	**35.710** 1.4059	**32.542** 1.2812	**5.0** .20	**.48 kg** 1.06 lb	347X may be paired with all single cups corresponding to 334 and will require 10.140 mm (.3992 in) to be added to the T-width values.						
355 Series											359T: TAPERED BORE
350	**40.000** 1.5748	**21.692** .8540	**4.0** .16	**.40 kg** .88 lb	**352**	**90.119** 3.5480	**21.808** .8586	**2.3** .09	**.32 kg** .70 lb	**23.000** .9055	359TD: TAPERED BORE
350A	**40.000** 1.5748	**21.692** .8540	**.8** .03	**.40 kg** .89 lb	**352A**	**88.875** 3.4990	**21.808** .8586	**2.3** .09	**.29 kg** .63 lb	**23.000** .9055	353D : GROOVE IN OD CENTER HOLES IN OD CENTER
355	**44.450** 1.7500	**21.692** .8540	**2.3** .09	**.35 kg** .78 lb	**352X**	**90.000** 3.5433	**21.808** .8586	**2.3** .09	**.31 kg** .69 lb	**23.000** .9055	
355A	**44.450** 1.7500	**21.692** .8540	**.8** .03	**.35 kg** .78 lb	**353**	**90.000** 3.5433	**23.000** .9055	**2.0** .08	**.33 kg** .72 lb	**23.000** .9055	353DC : HOLES IN OD CENTER
355X	**44.450** 1.7500	**21.692** .8540	**3.5** .14	**.35 kg** .77 lb	***353D**	**90.119** 3.5480	**44.450** 1.7500	**.8** .03	**.67 kg** 1.47 lb	**50.795** 1.9998	354-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
356	**30.162** 1.1875	**21.692** .8540	**.8** .03	**.50 kg** 1.10 lb	***353DC**	**90.119** 3.5480	**44.450** 1.7500	**.8** .03	**.67 kg** 1.47 lb	**50.795** 1.9998	354ED : GROOVE IN OD CENTER HOLES IN OD CENTER
357	**40.000** 1.5748	**21.692** .8540	**2.3** .09	**.40 kg** .89 lb	**354**	**85.000** 3.3465	**19.000** .7480	**2.0** .08	**.15 kg** .34 lb	**19.000** .7480	
358	**45.000** 1.7717	**21.692** .8540	**1.5** .06	**.35 kg** .77 lb	**354A**	**85.000** 3.3465	**17.462** .6875	**1.3** .05	**.16 kg** .35 lb	**20.635** .8124	
358A	**45.000** 1.7717	**21.692** .8540	**3.5** .14	**.34 kg** .75 lb	***354-B**	**85.000** 3.3465	**17.462** .6875	**1.5** .06	**.19 kg** .42 lb	**7.938** .3125	
358X	**45.000** 1.7717	**21.692** .8540	**2.0** .08	**.35 kg** .76 lb	***354ED**	**84.983** 3.3458	**44.450** 1.7500	**.8** .03	**.43 kg** .95 lb	**50.795** 1.9998	
359-S	**46.038** 1.8125	**21.692** .8540	**2.3** .09	**.33 kg** .73 lb	**354X**	**85.000** 3.3465	**17.462** .6875	**1.5** .06	**.16 kg** .36 lb	**20.635** .8124	
359A	**46.038** 1.8125	**21.692** .8540	**3.5** .14	**.33 kg** .72 lb	**3520**	**84.138** 3.3125	**23.812** .9375	**3.3** .13	**.22 kg** .48 lb	**26.992** 1.0627	
***359T**	**46.038** 1.8125	**21.692** .8540	**.8** .03	**.34 kg** .75 lb	**3525**	**87.312** 3.4375	**23.812** .9375	**3.3** .13	**.30 kg** .65 lb	**26.992** 1.0627	
357DW	**42.862** 1.6875	**65.075** 2.5620	**.8** .03	**1.07 kg** 2.35 lb	**352**	**90.119** 3.5480	**21.808** .8586	**2.3** .09	**.32 kg** .70 lb	**54.991** 2.1650	
358D	**42.862** 1.6875	**52.375** 2.0620	**1.5** .06	**.98 kg** 2.16 lb	**352A**	**88.875** 3.4990	**21.808** .8586	**2.3** .09	**.29 kg** .63 lb	**54.991** 2.1650	
***359TD**	**45.781** 1.8024	**52.375** 2.0620	**.8** .03	**.94 kg** 2.07 lb	**352X**	**90.000** 3.5433	**21.808** .8586	**2.3** .09	**.31 kg** .69 lb	**54.991** 2.1650	
					353	**90.000** 3.5433	**23.000** .9055	**2.0** .08	**.33 kg** .72 lb	**54.991** 2.1650	
					354	**85.000** 3.3465	**19.000** .7480	**2.0** .08	**.15 kg** .34 lb	**46.990** 1.8500	
					354A	**85.000** 3.3465	**17.462** .6875	**1.3** .05	**.16 kg** .35 lb	**50.267** 1.9790	
					354X	**85.000** 3.3465	**17.462** .6875	**1.5** .06	**.16 kg** .36 lb	**50.267** 1.9790	
					3520	**84.138** 3.3125	**23.812** .9375	**3.3** .13	**.22 kg** .48 lb	**65.903** 2.5946	
					3525	**87.312** 3.4375	**23.812** .9375	**3.3** .13	**.30 kg** .65 lb	**65.903** 2.5946	
NA357	**40.000** 1.5748	**25.400** 1.0000	**1.5** .06	**.88 kg** 1.93 lb	***353D**	**90.119** 3.5480	**44.450** 1.7500	**.8** .03	**.67 kg** 1.47 lb	**50.800** 2.0000	
					***353DC**	**90.119** 3.5480	**44.450** 1.7500	**.8** .03	**.67 kg** 1.47 lb	**50.800** 2.0000	
					***354ED**	**84.983** 3.3458	**44.450** 1.7500	**.8** .03	**.43 kg** .95 lb	**50.800** 2.0000	

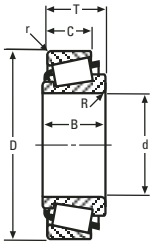
365 SERIES CONTINUED ON NEXT PAGE

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

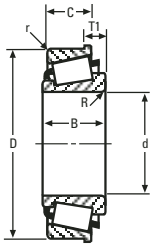
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	r ¨	Weight	WIDTH T	
365 Series											365DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
365	**50.000** 1.9685	**22.225** .8750	**2.0** .08	**.35 kg** .78 lb	**362**	**90.000** 3.5433	**15.875** .6250	**2.0** .08	**.17 kg** .38 lb	**20.000** .7874	
365-S	**49.212** 1.9375	**22.225** .8750	**.8** .03	**.36 kg** .80 lb	**362A**	**88.900** 3.5000	**16.513** .6501	**1.3** .05	**.16 kg** .36 lb	**20.637** .8125	365DAA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
365A	**41.275** 1.6250	**22.225** .8750	**3.5** .14	**.46 kg** 1.01 lb	***362AB**	**88.900** 3.5000	**16.513** .6501	**1.3** .05	**.19 kg** .42 lb	**8.887** .3499	365DE: EXTENDED SMALL RIB
366	**50.000** 1.9685	**22.225** .8750	**2.3** .09	**.35 kg** .78 lb	**362AX**	**88.900** 3.5000	**19.688** .7751	**1.3** .05	**.21 kg** .47 lb	**23.812** .9375	365DEE: EXTENDED SMALL RIB
367	**45.000** 1.7717	**22.225** .8750	**2.0** .08	**.42 kg** .92 lb	***362-B**	**90.000** 3.5433	**15.875** .6250	**.8** .03	**.20 kg** .44 lb	**8.887** .3499	366DE: EXTENDED SMALL RIB
367X	**44.988** 1.7712	**22.225** .8750	**1.5** .06	**.42 kg** .92 lb	**362X**	**90.000** 3.5433	**20.000** .7874	**2.0** .08	**.25 kg** .55 lb	**25.000** .9843	366DEE: EXTENDED SMALL RIB
***368**	**50.800** 2.0000	**22.225** .8750	**1.5** .06	**.34 kg** .75 lb	**362XD**	**89.985** 3.5427	**49.949** 1.9665	**.5** .02	**.56 kg** 1.24 lb	**50.400** 1.9843	367DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
368-S	**51.592** 2.0312	**22.225** .8750	**2.0** .08	**.33 kg** .73 lb	**363**	**90.000** 3.5433	**20.000** .7874	**.8** .03	**.20 kg** .45 lb	**20.000** .7874	
368A	**50.800** 2.0000	**22.225** .8750	**3.5** .14	**.33 kg** .74 lb	***363D**	**90.000** 3.5433	**42.070** 1.6563	**.8** .03	**.46 kg** 1.01 lb	**50.010** 1.9689	367DAA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
368W	**50.800** 2.0000	**22.225** .8750	**1.5** .06	**.34 kg** .75 lb	***363DC**	**90.000** 3.5433	**42.070** 1.6563	**.8** .03	**.50 kg** 1.10 lb	**50.010** 1.9689	367DE: EXTENDED SMALL RIB
369-S	**47.625** 1.8750	**22.225** .8750	**2.3** .09	**.38 kg** .85 lb	**363X**	**88.900** 3.5000	**23.812** .9375	**3.3** .13	**.25 kg** .56 lb	**26.987** 1.0625	367DEE: EXTENDED SMALL RIB
369A	**47.625** 1.8750	**22.225** .8750	**3.5** .14	**.38 kg** .84 lb	**364XD**	**90.000** 3.5433	**42.862** 1.6875	**.8** .03	**.51 kg** 1.12 lb	**50.802** 2.0001	368: FRONTFACE CHAMFER
369AS	**47.625** 1.8750	**22.225** .8750	**2.3** .09	**.38 kg** .84 lb							368DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
370A	**50.800** 2.0000	**22.225** .8750	**5.0** .20	**.33 kg** .72 lb							368DAA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
***365DA**	**44.450** 1.7500	**75.006** 2.9530	**.8** .03	**1.28 kg** 2.82 lb	**362**	**90.000** 3.5433	**15.875** .6250	**2.0** .08	**.17 kg** .38 lb	**40.000** 1.5748	
***365DAA**	**44.450** 1.7500	**75.006** 2.9530	**.8** .03	**1.28 kg** 2.82 lb	**362A**	**88.900** 3.5000	**16.513** .6501	**1.3** .05	**.16 kg** .36 lb	**41.275** 1.6250	368DE: EXTENDED SMALL RIB
***365DE**	**44.450** 1.7500	**88.900** 3.5000	**.8** .03	**1.40 kg** 3.08 lb	**362AX**	**88.900** 3.5000	**19.688** .7751	**1.3** .05	**.21 kg** .47 lb	**47.625** 1.8750	368DEE: EXTENDED SMALL RIB
***365DEE**	**44.450** 1.7500	**88.900** 3.5000	**.8** .03	**1.40 kg** 3.08 lb	**362X**	**90.000** 3.5433	**20.000** .7874	**2.0** .08	**.25 kg** .55 lb	**50.002** 1.9686	369DE: EXTENDED SMALL RIB
***366DE**	**47.625** 1.8750	**88.900** 3.5000	**.8** .03	**1.24 kg** 2.73 lb	**363**	**90.000** 3.5433	**20.000** .7874	**.8** .03	**.20 kg** .45 lb	**40.000** 1.5748	369DEE: EXTENDED SMALL RIB
***366DEE**	**47.625** 1.8750	**88.900** 3.5000	**.8** .03	**1.24 kg** 2.73 lb	**363X**	**88.900** 3.5000	**23.812** .9375	**3.3** .13	**.25 kg** .56 lb	**53.975** 2.1250	370DE: EXTENDED SMALL RIB
***367DA**	**49.212** 1.9375	**75.006** 2.9530	**.8** .03	**1.08 kg** 2.38 lb							370DEE: EXTENDED SMALL RIB
***367DAA**	**49.212** 1.9375	**75.006** 2.9530	**.8** .03	**1.08 kg** 2.38 lb							362-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
***367DE**	**49.212** 1.9375	**88.900** 3.5000	**.8** .03	**1.16 kg** 2.56 lb							362AB : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
***367DEE**	**49.212** 1.9375	**88.900** 3.5000	**.8** .03	**1.16 kg** 2.56 lb							363D : GROOVE IN OD CENTER HOLES IN OD CENTER
368D	**50.800** 2.0000	**61.112** 2.4060	**.8** .03	**.94 kg** 2.08 lb							363DC : HOLES IN OD CENTER
***368DA**	**50.800** 2.0000	**75.006** 2.9530	**.8** .03	**1.01 kg** 2.23 lb							
***368DAA**	**50.800** 2.0000	**75.006** 2.9530	**.8** .03	**1.01 kg** 2.23 lb							
***368DE**	**50.800** 2.0000	**88.900** 3.5000	**.8** .03	**1.08 kg** 2.38 lb							
***368DEE**	**50.800** 2.0000	**88.900** 3.5000	**.8** .03	**1.08 kg** 2.38 lb							
***369DE**	**45.000** 1.7717	**88.900** 3.5000	**.8** .03	**1.38 kg** 3.03 lb							
***369DEE**	**45.000** 1.7717	**88.900** 3.5000	**.8** .03	**1.38 kg** 3.03 lb							
***370DE**	**50.000** 1.9685	**88.900** 3.5000	**.8** .03	**1.12 kg** 2.47 lb							

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

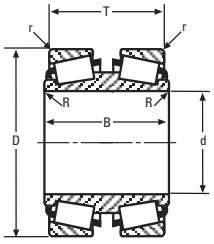
365 SERIES CONTINUED ON NEXT PAGE



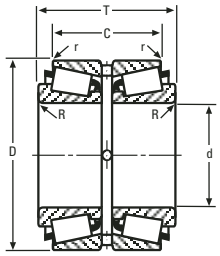
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	CONE Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	CUP Weight	BEARING WIDTH T	Remarks
365 Series (cont)											
***370DEE**	**50.000** 1.9685	**88.900** 3.5000	**.8** .03	**1.12 kg** 2.47 lb							
NA366	**50.000** 1.9685	**25.006** .9845	**3.5** .14	**.72 kg** 1.59 lb	**362XD**	**89.985** 3.5427	**49.949** 1.9665	**.5** .02	**.56 kg** 1.24 lb	**50.013** 1.9690	
					***363D**	**90.000** 3.5433	**42.070** 1.6563	**.8** .03	**.46 kg** 1.01 lb	**50.013** 1.9690	
					***363DC**	**90.000** 3.5433	**42.070** 1.6563	**.8** .03	**.50 kg** 1.10 lb	**50.013** 1.9690	
					364XD	**90.000** 3.5433	**42.862** 1.6875	**.8** .03	**.51 kg** 1.12 lb	**50.013** 1.9690	
375 Series											377-S: FRONTFACE CHAMFER
375	**50.800** 2.0000	**22.225** .8750	**2.3** .09	**.42 kg** .92 lb	**372**	**100.000** 3.9370	**21.824** .8592	**2.0** .08	**.43 kg** .95 lb	**25.000** .9842	377TD: TAPERED BORE
375-S	**50.800** 2.0000	**22.225** .8750	**3.5** .14	**.41 kg** .91 lb	**372A**	**96.838** 3.8125	**19.050** .7500	**1.5** .06	**.29 kg** .64 lb	**22.225** .8750	372D : GROOVE IN OD CENTER HOLES IN OD CENTER
375W	**50.800** 2.0000	**22.225** .8750	**.8** .03	**.41 kg** .89 lb	***372D**	**100.000** 3.9370	**39.690** 1.5626	**.8** .03	**.76 kg** 1.68 lb	**50.800** 2.0000	
376	**45.000** 1.7717	**22.225** .8750	**.8** .03	**.50 kg** 1.10 lb	**372XD**	**100.000** 3.9370	**39.690** 1.5626	**.8** .03	**.82 kg** 1.80 lb	**50.800** 2.0000	
376A	**45.000** 1.7717	**22.225** .8750	**2.3** .09	**.49 kg** 1.09 lb	**373**	**100.000** 3.9370	**25.000** .9842	**2.0** .08	**.47 kg** 1.05 lb	**24.998** .9842	
376X	**45.000** 1.7717	**22.225** .8750	**2.0** .08	**.50 kg** 1.09 lb	**374**	**93.264** 3.6718	**15.083** .5938	**1.3** .05	**.17 kg** .38 lb	**20.637** .8125	
377	**52.388** 2.0625	**22.225** .8750	**2.3** .09	**.40 kg** .87 lb	**3720**	**93.264** 3.6718	**23.812** .9375	**3.3** .13	**.28 kg** .62 lb	**26.988** 1.0625	
***377-S**	**51.592** 2.0312	**22.225** .8750	**1.5** .06	**.41 kg** .90 lb	**3726**	**95.250** 3.7500	**23.812** .9375	**3.3** .13	**.34 kg** .74 lb	**26.988** 1.0625	
377A	**52.388** 2.0625	**22.225** .8750	**4.8** .19	**.38 kg** .85 lb	**3730**	**93.264** 3.6718	**23.812** .9375	**.8** .03	**.29 kg** .65 lb	**26.988** 1.0625	
378A	**49.987** 1.9680	**22.225** .8750	**2.3** .09	**.43 kg** .95 lb							
380	**52.388** 2.0625	**21.034** .8281	**2.3** .09	**.39 kg** .85 lb							
375D	**50.800** 2.0000	**53.188** 2.0940	**.8** .03	**1.10 kg** 2.43 lb	**372**	**100.000** 3.9370	**21.824** .8592	**2.0** .08	**.43 kg** .95 lb	**58.735** 2.3124	
375DW	**50.800** 2.0000	**67.488** 2.6570	**.8** .03	**1.20 kg** 2.65 lb	**372A**	**96.838** 3.8125	**19.050** .7500	**1.5** .06	**.29 kg** .64 lb	**53.188** 2.0940	
376DE	**47.625** 1.8750	**53.188** 2.0940	**.8** .03	**1.22 kg** 2.69 lb	**373**	**100.000** 3.9370	**25.000** .9842	**2.0** .08	**.47 kg** 1.05 lb	**58.735** 2.3124	
376DW	**47.625** 1.8750	**67.488** 2.6570	**.8** .03	**1.25 kg** 2.76 lb	**374**	**93.264** 3.6718	**15.083** .5938	**1.3** .05	**.17 kg** .38 lb	**50.013** 1.9690	
***377TD**	**52.174** 2.0541	**53.188** 2.0940	**.8** .03	**1.08 kg** 2.39 lb	**3720**	**93.264** 3.6718	**23.812** .9375	**3.3** .13	**.28 kg** .62 lb	**66.980** 2.6370	
378DE	**49.212** 1.9375	**53.188** 2.0940	**.8** .03	**1.18 kg** 2.59 lb	**3726**	**95.250** 3.7500	**23.812** .9375	**3.3** .13	**.34 kg** .74 lb	**66.980** 2.6370	
378DW	**49.212** 1.9375	**67.488** 2.6570	**.8** .03	**1.27 kg** 2.79 lb	**3730**	**93.264** 3.6718	**23.812** .9375	**.8** .03	**.29 kg** .65 lb	**66.980** 2.6370	
385 Series											385-SD: EXTENDED SMALL RIB SQUARE BORE
385	**55.000** 2.1654	**21.946** .8640	**2.3** .09	**.44 kg** .97 lb	**382**	**98.425** 3.8750	**17.826** .7018	**.8** .03	**.22 kg** .49 lb	**21.000** .8268	
385A	**50.800** 2.0000	**21.946** .8640	**2.3** .09	**.50 kg** 1.10 lb	**382A**	**96.838** 3.8125	**15.875** .6250	**.8** .03	**.18 kg** .39 lb	**21.000** .8268	385DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
385AA	**55.000** 2.1654	**21.946** .8640	**2.3** .09	**.44 kg** .96 lb	***382-B**	**96.838** 3.8125	**17.826** .7018	**-** -	**.22 kg** .48 lb	**7.938** .3125	
385AS	**50.800** 2.0000	**21.946** .8640	**1.5** .06	**.50 kg** 1.11 lb	**382-S**	**96.838** 3.8125	**20.274** .7982	**2.3** .09	**.24 kg** .53 lb	**25.400** 1.0000	NA385-SW: FRONTFACE CHAMFER SHOULDER ON OD BACKFACE SLOTS IN FRONTFACE
385AX	**50.800** 2.0000	**21.946** .8640	**.8** .03	**.50 kg** 1.11 lb	**382X**	**96.838** 3.8125	**27.419** 1.0795	**2.3** .09	**.38 kg** .84 lb	**32.545** 1.2813	NA385-SWV: FRONTFACE CHAMFER MADE FROM VACUUM MELT STEEL SHOULDER ON OD BACKFACE SLOTS IN FRONTFACE
385X	**55.000** 2.1654	**21.946** .8640	**3.5** .14	**.44 kg** .96 lb	**383**	**100.000** 3.9370	**21.000** .8268	**2.0** .08	**.28 kg** .62 lb	**21.000** .8268	
386	**55.474** 2.1840	**21.946** .8640	**2.3** .09	**.43 kg** .96 lb	**383A**	**100.000** 3.9370	**17.826** .7018	**2.0** .08	**.25 kg** .56 lb	**21.000** .8268	

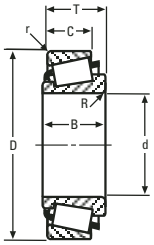
385 SERIES CONTINUED ON NEXT PAGE

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

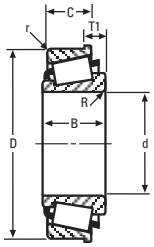
CONE					CUP					BEARING	
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	Max Hs'ng Fillet Radii r ··	Weight	WIDTH T	Remarks
385 Series (cont)											
386A	**47.625** 1.8750	**21.946** .8640	**.8** .03	**.55 kg** 1.20 lb	**383X**	**100.000** 3.9370	**22.225** .8750	**1.3** .05	**.35 kg** .76 lb	**25.400** 1.0000	386DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
386AS	**44.450** 1.7500	**21.946** .8640	**3.5** .14	**.58 kg** 1.28 lb	***384D**	**100.000** 3.9370	**42.862** 1.6875	**.8** .03	**.68 kg** 1.49 lb	**52.387** 2.0625	NA386-SWV: FRONTFACE CHAMFER MADE FROM VACUUM MELT STEEL
386AX	**47.625** 1.8750	**21.946** .8640	**.8** .03	**.54 kg** 1.20 lb	***384DC**	**100.000** 3.9370	**42.862** 1.6875	**.8** .03	**.68 kg** 1.49 lb	**52.387** 2.0625	SHOULDER ON OD BACKFACE SLOTS IN FRONTFACE
387	**57.150** 2.2500	**21.946** .8640	**2.3** .09	**.41 kg** .90 lb	***384DRB**	**104.775** 4.1250	**39.675** 1.5620	**.8** .03	**.82 kg** 1.82 lb	**49.200** 1.9370	
387-S	**57.150** 2.2500	**21.946** .8640	**.8** .03	**.41 kg** .91 lb	***384ED**	**100.000** 3.9370	**39.675** 1.5620	**.8** .03	**.59 kg** 1.29 lb	**49.200** 1.9370	387DE: EXTENDED SMALL RIB
387A	**57.150** 2.2500	**21.946** .8640	**3.5** .14	**.40 kg** .89 lb	***384EDC**	**100.000** 3.9370	**39.675** 1.5620	**.8** .03	**.59 kg** 1.29 lb	**49.200** 1.9370	387DEE: EXTENDED SMALL RIB
387AS	**57.150** 2.2500	**21.946** .8640	**5.2** .20	**.39 kg** .86 lb	***384-SW**	**104.775** 4.1250	**22.225** .8750	**.8** .03	**.45 kg** .99 lb	**27.350** 1.0768	388DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
387W	**57.150** 2.2500	**21.946** .8640	**2.3** .09	**.41 kg** .91 lb	**384XD**	**100.000** 3.9370	**95.606** 3.7640	**.8** .03	**1.69 kg** 3.73 lb	**105.130** 4.1390	388DAA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
388A	**57.531** 2.2650	**21.946** .8640	**3.5** .14	**.40 kg** .87 lb							
388XS	**57.981** 2.2827	**21.946** .8640	**2.5** .10	**.39 kg** .87 lb							388DE: EXTENDED SMALL RIB
389	**55.575** 2.1880	**21.946** .8640	**2.3** .09	**.43 kg** .95 lb							388DEE: EXTENDED SMALL RIB
389A	**53.975** 2.1250	**21.946** .8640	**.8** .03	**.46 kg** 1.01 lb							388TD: ASYMMETRICAL BEARING REVERSE TAPERED BORE
389AS	**53.975** 2.1250	**21.946** .8640	**1.5** .06	**.46 kg** 1.01 lb							382-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
389AW	**53.975** 2.1250	**21.946** .8640	**.8** .03	**.46 kg** 1.02 lb							384-SW : SHOULDER ON OD BACKFACE SLOTS IN BACKFACE
***NA385-SW**	**54.988** 2.1649	**26.035** 1.0250	**3.5** .14	**.95 kg** 2.09 lb	***384D**	**100.000** 3.9370	**42.862** 1.6875	**.8** .03	**.68 kg** 1.49 lb	**52.070** 2.0500	384D : GROOVE IN OD CENTER HOLES IN OD CENTER
***NA385-SWV**	**54.988** 2.1649	**26.035** 1.0250	**3.5** .14	**.95 kg** 2.09 lb	***384DC**	**100.000** 3.9370	**42.862** 1.6875	**.8** .03	**.68 kg** 1.49 lb	**52.070** 2.0500	384DC : HOLES IN OD CENTER
***NA386-SWV**	**54.988** 2.1649	**26.035** 1.0250	**3.5** .14	**.93 kg** 2.04 lb	***384DRB**	**104.775** 4.1250	**39.675** 1.5620	**.8** .03	**.82 kg** 1.82 lb	**52.070** 2.0500	384DRB : GROOVE IN OD RIGHTFACE HOLES IN OD CENTER
					***384ED**	**100.000** 3.9370	**39.675** 1.5620	**.8** .03	**.59 kg** 1.29 lb	**52.070** 2.0500	
					***384EDC**	**100.000** 3.9370	**39.675** 1.5620	**.8** .03	**.59 kg** 1.29 lb	**52.070** 2.0500	384ED : GROOVE IN OD CENTER HOLES IN OD CENTER
					384XD	**100.000** 3.9370	**95.606** 3.7640	**.8** .03	**1.69 kg** 3.73 lb	**52.070** 2.0500	384EDC : HOLES IN OD CENTER
					***K518331**	**119.987** 4.7239	**49.896** 1.9644	**spcl.** spcl.	**2.00 kg** 4.42 lb	**52.070** 2.0500	K518331 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
***387DE**	**55.000** 2.1654	**95.250** 3.7500	**.8** .03	**1.50 kg** 3.31 lb	**382**	**98.425** 3.8750	**17.826** .7018	**.8** .03	**.22 kg** .49 lb	**42.062** 1.6560	
***387DEE**	**55.000** 2.1654	**95.250** 3.7500	**.8** .03	**1.51 kg** 3.33 lb	**382A**	**96.838** 3.8125	**15.875** .6250	**.8** .03	**.18 kg** .39 lb	**42.062** 1.6560	
***388DA**	**55.562** 2.1875	**79.375** 3.1250	**.8** .03	**1.35 kg** 2.97 lb	**382-S**	**96.838** 3.8125	**20.274** .7982	**2.3** .09	**.24 kg** .53 lb	**50.861** 2.0024	
***388DAA**	**55.562** 2.1875	**79.375** 3.1250	**.8** .03	**1.35 kg** 2.97 lb	**382X**	**96.838** 3.8125	**27.419** 1.0795	**2.3** .09	**.38 kg** .84 lb	**65.151** 2.5650	
***388DE**	**55.562** 2.1875	**95.250** 3.7500	**.8** .03	**1.48 kg** 3.26 lb	**383**	**100.000** 3.9370	**21.000** .8268	**2.0** .08	**.28 kg** .62 lb	**42.062** 1.6560	
***388DEE**	**55.562** 2.1875	**95.250** 3.7500	**.8** .03	**1.48 kg** 3.26 lb	**383A**	**100.000** 3.9370	**17.826** .7018	**2.0** .08	**.25 kg** .56 lb	**42.062** 1.6560	
					383X	**100.000** 3.9370	**22.225** .8750	**1.3** .05	**.35 kg** .76 lb	**50.861** 2.0024	
					***384-SW**	**104.775** 4.1250	**22.225** .8750	**.8** .03	**.45 kg** .99 lb	**54.762** 2.1560	

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

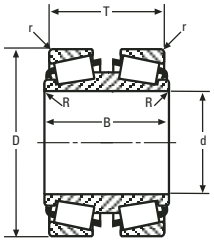
385 SERIES CONTINUED ON NEXT PAGE



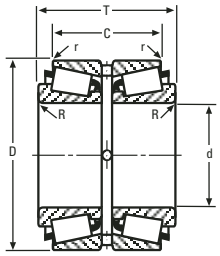
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	Weight	BEARING WIDTH T	Remarks
385 Series (cont)											
***385-SD**	**51.308** 2.0200	**76.200** 3.0000	**-** -	**1.89 kg** 4.17 lb	385-SD may be paired with all single cups corresponding to 387DE and will require 3.175 mm (.1250 in) to be added to the T-width values.						
***385DA**	**50.800** 2.0000	**85.555** 3.3683	**.8** .03	**1.69 kg** 3.72 lb	385DA and grouped cones may be paired with all single cups corresponding to 387DE and will require .008 mm (.0003 in) to be added to the T-width values.						
***386DA**	**49.212** 1.9375	**85.555** 3.3683	**.8** .03	**1.77 kg** 3.91 lb							
NA385	**55.000** 2.1654	**26.192** 1.0312	**3.5** .14	**.94 kg** 2.08 lb	NA385 may be paired with all double cups corresponding to NA385-SW and will require .315 mm (.0124 in) to be added to the T-width values.						
***388TD**	**57.534** 2.2651	**53.188** 2.0940	**.7** .03	**1.17 kg** 2.59 lb	388TD and grouped cones may be paired with all single cups corresponding to 387DE and will require 9.235 mm (.3636 in) to be added to the T-width values.						
389DE	**55.562** 2.1875	**53.188** 2.0940	**.8** .03	**1.19 kg** 2.63 lb							
389-S	**55.575** 2.1880	**26.256** 1.0337	**2.3** .09	**.47 kg** 1.03 lb	**382**	**98.425** 3.8750	**17.826** .7018	**.8** .03	**.22 kg** .49 lb	**20.886** .8223	
					382A	**96.838** 3.8125	**15.875** .6250	**.8** .03	**.18 kg** .39 lb	**20.886** .8223	
					***382-B**	**96.838** 3.8125	**17.826** .7018	**-** -	**.22 kg** .48 lb	**7.823** .3080	
					382-S	**96.838** 3.8125	**20.274** .7982	**2.3** .09	**.24 kg** .53 lb	**25.285** .9955	
					382X	**96.838** 3.8125	**27.419** 1.0795	**2.3** .09	**.38 kg** .84 lb	**32.430** 1.2768	
					383	**100.000** 3.9370	**21.000** .8268	**2.0** .08	**.28 kg** .62 lb	**20.886** .8223	
					383A	**100.000** 3.9370	**17.826** .7018	**2.0** .08	**.25 kg** .56 lb	**20.886** .8223	
					383X	**100.000** 3.9370	**22.225** .8750	**1.3** .05	**.35 kg** .76 lb	**25.285** .9955	
					***384-SW**	**104.775** 4.1250	**22.225** .8750	**.8** .03	**.45 kg** .99 lb	**27.236** 1.0723	
					384XD	**100.000** 3.9370	**95.606** 3.7640	**.8** .03	**1.69 kg** 3.73 lb	**104.900** 4.1300	
395 Series											
390	**57.150** 2.2500	**21.996** .8660	**2.3** .09	**-** -	**393**	**110.000** 4.3307	**27.000** 1.0630	**.8** .03	**.39 kg** .86 lb	**27.000** 1.0630	
390A	**63.500** 2.5000	**21.996** .8660	**1.5** .06	**-** -	**393A**	**112.712** 4.4375	**15.875** .6250	**3.3** .13	**.29 kg** .64 lb	**22.225** .8750	
392	**61.912** 2.4375	**21.996** .8660	**.8** .03	**-** -	**393AS**	**111.125** 4.3750	**18.824** .7411	**1.3** .05	**.29 kg** .64 lb	**22.000** .8661	
395	**63.500** 2.5000	**21.996** .8660	**3.5** .14	**-** -	**393C**	**113.487** 4.4680	**20.472** .8060	**1.5** .06	**.39 kg** .86 lb	**23.647** .9310	
395-S	**66.675** 2.6250	**21.996** .8660	**3.5** .14	**-** -	***393WE**	**116.586** 4.5900	**30.122** 1.1859	**.8** .03	**.72 kg** 1.58 lb	**33.297** 1.3109	
395A	**66.675** 2.6250	**21.996** .8660	**.8** .03	**-** -	**394**	**110.000** 4.3307	**22.000** .8661	**.8** .03	**.28 kg** .62 lb	**22.000** .8661	
395X	**63.500** 2.5000	**21.996** .8660	**3.5** .14	**-** -	**394A**	**110.000** 4.3307	**18.824** .7411	**1.3** .05	**.26 kg** .58 lb	**22.000** .8661	
395XA	**63.500** 2.5000	**21.996** .8660	**7.0** .28	**-** -	***394AB**	**110.000** 4.3307	**18.824** .7411	**1.3** .05	**.30 kg** .65 lb	**7.925** .3120	
396	**50.000** 1.9685	**21.996** .8660	**.8** .03	**-** -	***394ARB**	**110.000** 4.3307	**18.824** .7411	**1.3** .05	**.26 kg** .58 lb	**22.000** .8661	
396-S	**64.973** 2.5580	**21.996** .8660	**3.5** .14	**-** -	**394AS**	**110.000** 4.3307	**18.824** .7411	**3.3** .13	**.25 kg** .55 lb	**22.000** .8661	
396A	**44.988** 1.7712	**21.996** .8660	**3.5** .14	**-** -	**394AX**	**110.000** 4.3307	**18.824** .7411	**2.0** .08	**-** -	**22.000** .8661	
397	**60.000** 2.3622	**21.996** .8660	**.8** .03	**-** -	**394CS**	**113.487** 4.4680	**18.824** .7411	**1.3** .05	**.35 kg** .77 lb	**22.000** .8661	

390DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE

392DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE

395DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE

395TD: TAPERED BORE

399: FRONTFACE CHAMFER

399AX: EXTENDED LARGE RIB SHOULDER ON OD BACKFACE

393WE : SLOTS IN BACKFACE

394AB : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION

394ARB : GROOVE IN OD FRONTFACE

394D : GROOVE IN OD CENTER HOLES IN OD CENTER

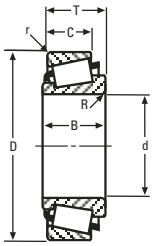
395 SERIES CONTINUED ON NEXT PAGE

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

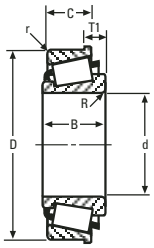
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	r ¨	Weight	WIDTH T	
395 Series (cont)											394DA : HOLES IN OD CENTER SPECIAL RADIUS ON LEFTFACE OD
397W	**60.000**	**21.996**	**.8**	**-**	***394D**	**110.000**	**46.038**	**.8**	**.66 kg**	**52.387**	
	2.3622	.8660	.03	-		4.3307	1.8125	.03	1.46 lb	2.0625	
398	**50.800**	**21.996**	**.8**	**-**	***394DA**	**119.062**	**46.038**	**spcl.**	**1.02 kg**	**52.387**	SPECIAL RADIUS ON RIGHTFACE OD
	2.0000	.8660	.03	-		4.6875	1.8125	spcl.	2.24 lb	2.0625	
***399**	**65.000**	**21.996**	**2.0**	**-**	***394DC**	**110.000**	**46.038**	**.8**	**.66 kg**	**52.387**	SPHERICAL OD
	2.5591	.8660	.08	-		4.3307	1.8125	.03	1.46 lb	2.0625	394DC : HOLES IN OD CENTER
399A	**68.262**	**21.996**	**2.3**	**-**	**394XS**	**109.985**	**19.000**	**.5**	**.28 kg**	**23.749**	
	2.6875	.8660	.09	-		4.3301	.7480	.02	.62 lb	.9350	394YD : HOLES IN OD CENTER
399AS	**68.262**	**21.996**	**5.0**	**-**	***394YD**	**110.000**	**46.038**	**.8**	**.69 kg**	**52.387**	3920-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
	2.6875	.8660	.20	-		4.3307	1.8125	.03	1.53 lb	2.0625	
					3920	**112.712**	**23.812**	**3.3**	**.44 kg**	**26.967**	
						4.4375	.9375	.13	.98 lb	1.0617	K302664 : ASYMMETRICAL - TWO SERIES BEARING FLANGE ON OD RIGHTFACE
					***3920-B**	**112.712**	**23.812**	**3.3**	**.48 kg**	**7.917**	
						4.4375	.9375	.13	1.06 lb	.3117	
					3921XA	**109.985**	**23.812**	**.5**	**.36 kg**	**26.555**	K426894 : ASYMMETRICAL - TWO SERIES BEARING FLANGE ON OD RIGHTFACE
						4.3301	.9375	.02	.80 lb	1.0455	
											K529695 : ASYMMETRICAL - TWO SERIES BEARING FLANGE ON OD RIGHTFACE
390AC	**63.500**	**21.996**	**1.5**	**1.16 kg**	***394D**	**110.000**	**46.038**	**.8**	**.66 kg**	**52.387**	
	2.5000	.8660	.06	2.57 lb		4.3307	1.8125	.03	1.46 lb	2.0625	
					***394DA**	**119.062**	**46.038**	**spcl.**	**1.02 kg**	**52.387**	
						4.6875	1.8125	spcl.	2.24 lb	2.0625	
					***394DC**	**110.000**	**46.038**	**.8**	**.66 kg**	**52.387**	
						4.3307	1.8125	.03	1.46 lb	2.0625	
					***394YD**	**110.000**	**46.038**	**.8**	**.69 kg**	**52.387**	
						4.3307	1.8125	.03	1.53 lb	2.0625	
***390DA**	**57.150**	**86.952**	**.8**	**-**	**393**	**110.000**	**27.000**	**.8**	**.39 kg**	**55.248**	
	2.2500	3.4233	.03	-		4.3307	1.0630	.03	.86 lb	2.1751	
***392DA**	**61.912**	**86.952**	**.8**	**-**	**393A**	**112.712**	**15.875**	**3.3**	**.29 kg**	**45.697**	
	2.4375	3.4233	.03	-		4.4375	.6250	.13	.64 lb	1.7991	
***395DA**	**63.500**	**86.952**	**.8**	**-**	**393AS**	**111.125**	**18.824**	**1.3**	**.29 kg**	**45.245**	
	2.5000	3.4233	.03	-		4.3750	.7411	.05	.64 lb	1.7813	
					393C	**113.487**	**20.472**	**1.5**	**.39 kg**	**48.542**	
						4.4680	.8060	.06	.86 lb	1.9111	
					***393WE**	**116.586**	**30.122**	**.8**	**.72 kg**	**67.841**	
						4.5900	1.1859	.03	1.58 lb	2.6709	
					394	**110.000**	**22.000**	**.8**	**.28 kg**	**45.245**	
						4.3307	.8661	.03	.62 lb	1.7813	
					394A	**110.000**	**18.824**	**1.3**	**.26 kg**	**45.245**	
						4.3307	.7411	.05	.58 lb	1.7813	
					***394ARB**	**110.000**	**18.824**	**1.3**	**.26 kg**	**45.245**	
						4.3307	.7411	.05	.58 lb	1.7813	
					394AS	**110.000**	**18.824**	**3.3**	**.25 kg**	**45.245**	
						4.3307	.7411	.13	.55 lb	1.7813	
					394AX	**110.000**	**18.824**	**2.0**	**-**	**45.245**	
						4.3307	.7411	.08	-	1.7813	
					394CS	**113.487**	**18.824**	**1.3**	**.35 kg**	**45.245**	
						4.4680	.7411	.05	.77 lb	1.7813	
					394XS	**109.985**	**19.000**	**.5**	**.28 kg**	**48.745**	
						4.3301	.7480	.02	.62 lb	1.9191	
					3920	**112.712**	**23.812**	**3.3**	**.44 kg**	**60.556**	
						4.4375	.9375	.13	.98 lb	2.3841	
					3921XA	**109.985**	**23.812**	**.5**	**.36 kg**	**59.733**	
						4.3301	.9375	.02	.80 lb	2.3517	
NA397	**60.000**	**26.192**	**3.5**	**1.40 kg**	***394D**	**110.000**	**46.038**	**.8**	**.66 kg**	**52.385**	
	2.3622	1.0312	.14	3.08 lb		4.3307	1.8125	.03	1.46 lb	2.0624	
					***394DA**	**119.062**	**46.038**	**spcl.**	**1.02 kg**	**52.385**	
						4.6875	1.8125	spcl.	2.24 lb	2.0624	
					***394DC**	**110.000**	**46.038**	**.8**	**.66 kg**	**52.385**	
						4.3307	1.8125	.03	1.46 lb	2.0624	
					***394YD**	**110.000**	**46.038**	**.8**	**.69 kg**	**52.385**	
						4.3307	1.8125	.03	1.53 lb	2.0624	

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

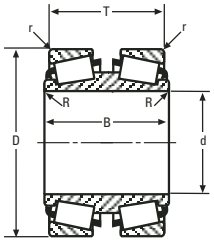
395 SERIES CONTINUED ON NEXT PAGE



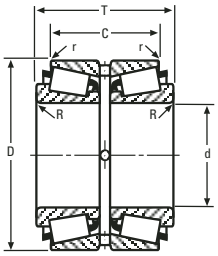
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ¨	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ¨	Weight	BEARING WIDTH T	Remarks
395 Series (cont)					***K302664**	**124.396** 4.8975	**55.931** 2.2020	**-** -	**1.78 kg** 3.93 lb	**52.385** 2.0624	
					***K426894**	**124.396** 4.8975	**58.738** 2.3125	**-** -	**2.07 kg** 4.56 lb	**52.385** 2.0624	
					***K529695**	**124.396** 4.8975	**56.198** 2.2125	**-** -	**1.80 kg** 3.96 lb	**52.385** 2.0624	
392DW	**61.912** 2.4375	**73.025** 2.8750	**.8** .03	**-** -	392DW and grouped cones may be paired with all single cups corresponding to 390DA and will require 10.305 mm (.4057 in) to be added to the T-width values.						
***395TD**	**64.971** 2.5579	**55.550** 2.1870	**.8** .03	**-** -							
399D	**61.912** 2.4375	**55.550** 2.1870	**.8** .03	**-** -							
395CS	**66.675** 2.6250	**23.444** .9230	**3.5** .14	**-** -	395CS may be paired with all single cups corresponding to 390 and will require 1.448 mm (.0570 in) to be added to the T-width values. 395CS may be paired with all double cups corresponding to 390 and will require 2.896 mm (.1140 in) to be added to the T-width values.						
***399AX**	**68.262** 2.6875	**36.347** 1.4310	**2.3** .09	**-** -	399AX may be paired with all single cups corresponding to 390 and will require 14.351 mm (.5650 in) to be added to the T-width values. 399AX may be paired with all double cups corresponding to 390 and will require 28.702 mm (1.1300 in) to be added to the T-width values.						
U400 Series **U497**	SEE UNIT BEARING SECTION				**U460L**	SEE UNIT BEARING SECTION					
415 Series											413 : SHOULDER ON OD BACKFACE
415	**38.100** 1.5000	**29.083** 1.1450	**.8** .03	**.50 kg** 1.11 lb	**412A**	**82.550** 3.2500	**23.812** .9375	**1.5** .06	**.21 kg** .46 lb	**28.575** 1.1250	
416	**30.000** 1.1811	**29.083** 1.1450	**.8** .03	**.60 kg** 1.33 lb	**412**	**82.550** 3.2500	**30.162** 1.1875	**3.3** .13	**.28 kg** .63 lb	**34.925** 1.3750	
417	**34.925** 1.3750	**29.083** 1.1450	**.8** .03	**.54 kg** 1.20 lb	**413X**	**90.000** 3.5433	**22.000** .8661	**2.0** .08	**.36 kg** .79 lb	**26.012** 1.0241	
418	**38.100** 1.5000	**29.083** 1.1450	**3.5** .14	**.50 kg** 1.10 lb	***413**	**90.000** 3.5433	**26.162** 1.0300	**.8** .03	**.37 kg** .82 lb	**26.161** 1.0300	
419	**41.275** 1.6250	**29.083** 1.1450	**3.5** .14	**.45 kg** 1.00 lb	**414XA**	**90.000** 3.5433	**22.225** .8750	**2.0** .08	**.36 kg** .79 lb	**26.988** 1.0625	
420	**40.000** 1.5748	**29.083** 1.1450	**3.5** .14	**.47 kg** 1.04 lb	**414X**	**88.900** 3.5000	**22.225** .8750	**.8** .03	**.34 kg** .74 lb	**26.988** 1.0625	
421	**35.000** 1.3780	**29.083** 1.1450	**.8** .03	**.54 kg** 1.20 lb	**414A**	**88.500** 3.4843	**22.225** .8750	**3.3** .13	**.32 kg** .70 lb	**26.988** 1.0625	
422	**39.688** 1.5625	**29.083** 1.1450	**3.5** .14	**.48 kg** 1.05 lb	**414**	**88.500** 3.4843	**22.225** .8750	**1.5** .06	**.33 kg** .72 lb	**26.988** 1.0625	
435 Series											NA435-SW: EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE
435	**44.450** 1.7500	**29.900** 1.1772	**.8** .03	**.56 kg** 1.24 lb	**429XS**	**90.000** 3.5433	**25.400** 1.0000	**3.3** .13	**.29 kg** .64 lb	**30.958** 1.2188	
435-S	**45.000** 1.7717	**29.900** 1.1772	**2.0** .08	**.55 kg** 1.21 lb	**430X**	**90.000** 3.5433	**22.225** .8750	**2.0** .08	**.25 kg** .54 lb	**27.783** 1.0938	438V: MADE FROM VACUUM MELT STEEL
436	**46.038** 1.8125	**29.900** 1.1772	**3.5** .14	**.53 kg** 1.17 lb	**432**	**95.250** 3.7500	**22.225** .8750	**2.3** .09	**.38 kg** .83 lb	**27.783** 1.0938	
437	**45.771** 1.8020	**29.900** 1.1772	**3.5** .14	**.53 kg** 1.18 lb	**432A**	**95.250** 3.7500	**22.225** .8750	**.8** .03	**.38 kg** .85 lb	**27.783** 1.0938	NA438-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
438	**44.450** 1.7500	**29.900** 1.1772	**3.5** .14	**.55 kg** 1.22 lb	***432AB**	**92.075** 3.6250	**22.225** .8750	**2.3** .09	**.33 kg** .74 lb	**11.115** .4376	NA439-SW: EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE
***438V**	**44.450** 1.7500	**29.900** 1.1772	**3.5** .14	**.55 kg** 1.22 lb	***432AV**	**95.250** 3.7500	**22.225** .8750	**.8** .03	**.38 kg** .85 lb	**27.783** 1.0938	432-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
438W	**44.450** 1.7500	**29.900** 1.1772	**3.5** .14	**.54 kg** 1.20 lb	***432-B**	**95.250** 3.7500	**22.225** .8750	**2.3** .09	**.42 kg** .92 lb	**11.115** .4376	432AB : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
439	**41.275** 1.6250	**29.900** 1.1772	**1.3** .05	**.61 kg** 1.35 lb	***432D**	**95.250** 3.7500	**50.800** 2.0000	**.8** .03	**.87 kg** 1.93 lb	**61.916** 2.4376	
440	**38.100** 1.5000	**29.900** 1.1772	**.8** .03	**.66 kg** 1.45 lb	***432DC**	**95.250** 3.7500	**50.800** 2.0000	**.8** .03	**.87 kg** 1.93 lb	**61.916** 2.4376	432AV : MADE FROM VACUUM MELT STEEL
441	**35.000** 1.3780	**29.900** 1.1772	**3.5** .14	**.69 kg** 1.53 lb	**432X**	**95.250** 3.7500	**26.195** 1.0313	**3.3** .13	**.46 kg** 1.01 lb	**31.753** 1.2501	432D : GROOVE IN OD CENTER HOLES IN OD CENTER

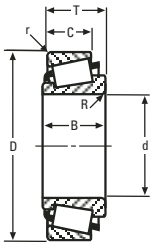
435 SERIES CONTINUED ON NEXT PAGE

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

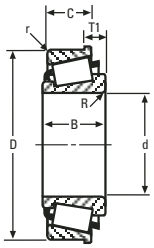
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
435 Series (cont)											
442-S	**40.000**	**29.900**	**3.5**	**.62 kg**	**433**	**88.500**	**30.162**	**3.3**	**.32 kg**	**35.720**	
	1.5748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

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

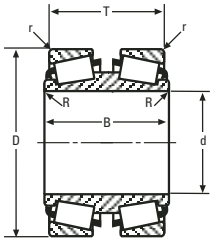
455 SERIES CONTINUED ON NEXT PAGE



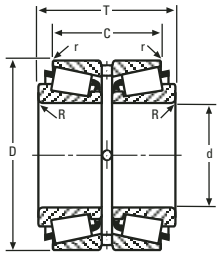
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ¨	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ¨	Weight	BEARING WIDTH T	Remarks
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											482-SW: KEYWAY IN BACKFACE
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	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	
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	NA484-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
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	SLOTS IN FRONTFACE
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

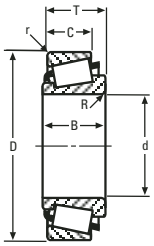
475 SERIES CONTINUED ON NEXT PAGE

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

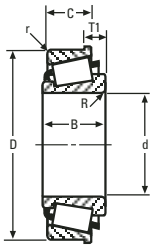
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	r ¨	Weight	WIDTH T	
475 Series (cont)											
482W	**69.850** 2.7500	**29.007** 1.1420	**3.5** .14	**.80 kg** 1.76 lb							K102084 : FLANGE ON OD LEFTFACE SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD TAPERED OD
483	**63.500** 2.5000	**29.007** 1.1420	**3.5** .14	**.97 kg** 2.14 lb							
484	**70.000** 2.7559	**29.007** 1.1420	**2.0** .08	**.82 kg** 1.82 lb							
***485T**	**72.255** 2.8447	**29.007** 1.1420	**3.5** .14	**.77 kg** 1.70 lb							K104052 : FLANGE ON OD LEFTFACE SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
NA476	**60.000** 2.3622	**32.545** 1.2813	**3.5** .14	**2.23 kg** 4.92 lb	***472D**	**120.000** 4.7244	**53.975** 2.1250	**.8** .03	**1.21 kg** 2.67 lb	**65.090** 2.5626	K109521 : FLANGE ON OD LEFTFACE SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
NA482	**69.850** 2.7500	**32.545** 1.2813	**3.5** .14	**1.72 kg** 3.79 lb	***472DC**	**120.000** 4.7244	**53.975** 2.1250	**.8** .03	**1.21 kg** 2.67 lb	**65.090** 2.5626	
NA484	**70.000** 2.7559	**32.545** 1.2813	**3.5** .14	**1.71 kg** 3.77 lb	***472DS**	**127.000** 5.0000	**53.975** 2.1250	**.8** .03	**1.80 kg** 3.96 lb	**65.090** 2.5626	K109587 : ASYMMETRICAL - TWO SERIES BEARING SPECIAL RADIUS ON LEFTFACE OD
***NA484-SW**	**70.000** 2.7559	**32.545** 1.2813	**3.5** .14	**1.69 kg** 3.72 lb	**K88207**	**158.750** 6.2500	**73.025** 2.8750	**3.3** .13	**5.95 kg** 13.13 lb	**65.090** 2.5626	SPECIAL RADIUS ON RIGHTFACE OD
					K94495	**177.800** 7.0000	**73.025** 2.8750	**3.3** .13	**8.84 kg** 19.49 lb	**65.090** 2.5626	K302661 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
					K100019	**149.225** 5.8750	**73.025** 2.8750	**3.3** .13	**4.59 kg** 10.12 lb	**65.090** 2.5626	
					***K102084**	**203.200** 8.0000	**76.200** 3.0000	**spcl.** spcl.	**14.51 kg** 32.00 lb	**65.090** 2.5626	K312461 : FLANGE ON OD LEFTFACE SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
					***K104052**	**203.200** 8.0000	**76.200** 3.0000	**spcl.** spcl.	**14.51 kg** 32.00 lb	**65.090** 2.5626	
					K104429	**177.800** 7.0000	**69.058** 2.7188	**3.3** .13	**8.91 kg** 19.65 lb	**65.090** 2.5626	
					K107168	**203.200** 8.0000	**76.200** 3.0000	**3.3** .13	**13.76 kg** 30.35 lb	**65.090** 2.5626	
					***K109521**	**228.600** 9.0000	**76.200** 3.0000	**spcl.** spcl.	**19.99 kg** 44.08 lb	**65.090** 2.5626	
					***K109587**	**165.511** 6.5162	**71.438** 2.8125	**spcl.** spcl.	**5.01 kg** 11.04 lb	**65.090** 2.5626	
					***K302661**	**203.200** 8.0000	**101.600** 4.0000	**spcl.** spcl.	**22.09 kg** 48.71 lb	**65.090** 2.5626	
					***K312461**	**158.750** 6.2500	**73.025** 2.8750	**spcl.** spcl.	**6.39 kg** 14.10 lb	**65.090** 2.5626	
					K312489	**228.600** 9.0000	**76.200** 3.0000	**3.3** .13	**19.18 kg** 42.29 lb	**65.090** 2.5626	
					K516771	**159.974** 6.2982	**73.025** 2.8750	**3.3** .13	**6.17 kg** 13.60 lb	**65.090** 2.5626	
					K516772	**199.974** 7.8730	**76.200** 3.0000	**3.3** .13	**13.12 kg** 28.93 lb	**65.090** 2.5626	
					K516776	**142.875** 5.6250	**73.025** 2.8750	**3.3** .13	**3.85 kg** 8.50 lb	**65.090** 2.5626	
***487TD**	**72.072** 2.8375	**67.539** 2.6590	**.8** .03	**2.25 kg** 4.95 lb	**472**	**120.000** 4.7244	**24.237** .9542	**2.0** .08	**.49 kg** 1.07 lb	**69.040** 2.7181	
					472A	**120.000** 4.7244	**23.444** .9230	**3.3** .13	**.46 kg** 1.00 lb	**67.455** 2.6557	
482-S	**69.850** 2.7500	**32.609** 1.2838	**2.3** .09	**.86 kg** 1.91 lb	**472**	**120.000** 4.7244	**24.237** .9542	**2.0** .08	**.49 kg** 1.07 lb	**29.680** 1.1685	
					472A	**120.000** 4.7244	**23.444** .9230	**3.3** .13	**.46 kg** 1.00 lb	**28.887** 1.1373	
					***472-B**	**120.000** 4.7244	**24.237** .9542	**.8** .03	**.54 kg** 1.18 lb	**10.980** .4323	
					472X	**123.825** 4.8750	**24.605** .9687	**3.3** .13	**.63 kg** 1.38 lb	**30.048** 1.1830	
					473	**120.000** 4.7244	**29.000** 1.1417	**2.0** .08	**.54 kg** 1.18 lb	**29.680** 1.1685	

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

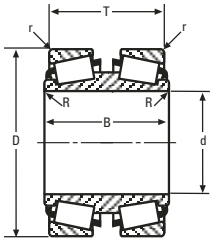
475 SERIES CONTINUED ON NEXT PAGE



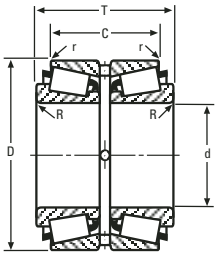
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	CONE Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	CUP Weight	BEARING WIDTH T	Remarks
475 Series (cont)					**473XS**	**119.979** 4.7236	**27.193** 1.0706	**.5** .02	**.58 kg** 1.28 lb	**32.636** 1.2849	
					474	**130.000** 5.1181	**31.000** 1.2205	**2.0** .08	**1.07 kg** 2.36 lb	**31.681** 1.2473	
					474XS	**120.000** 4.7244	**26.187** 1.0310	**2.0** .08	**.54 kg** 1.20 lb	**31.682** 1.2473	
***482E**	**69.850** 2.7500	**45.964** 1.8096	**1.0** .04	**1.21 kg** 2.66 lb	482E may be paired with all single cups corresponding to 475 and will require 16.957 mm (.6676 in) to be added to the T-width values. 482E may be paired with all double cups corresponding to 475 and will require 33.914 mm (1.3352 in) to be added to the T-width values.						
***NA483-SW**	**70.000** 2.7559	**37.308** 1.4688	**3.5** .14	**1.91 kg** 4.21 lb	NA483-SW and grouped cones may be paired with all double cups corresponding to NA476 and will require 9.525 mm (.3750 in) to be added to the T-width values.						
***NA485-SW**	**69.987** 2.7554	**37.308** 1.4688	**3.5** .14	**1.96 kg** 4.33 lb							
495 Series											495DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
495	**82.550** 3.2500	**29.769** 1.1720	**3.5** .14	**1.07 kg** 2.37 lb	**492A**	**133.350** 5.2500	**22.225** .8750	**3.3** .13	**.42 kg** .93 lb	**30.163** 1.1875	
495-S	**71.438** 2.8125	**29.769** 1.1720	**3.5** .14	**1.39 kg** 3.06 lb	***492W**	**133.350** 5.2500	**25.400** 1.0000	**3.3** .13	**.50 kg** 1.10 lb	**33.338** 1.3125	NA495-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
495A	**76.200** 3.0000	**29.769** 1.1720	**3.5** .14	**1.26 kg** 2.78 lb	**493**	**136.525** 5.3750	**22.225** .8750	**3.3** .13	**.54 kg** 1.18 lb	**30.163** 1.1875	496V: MADE FROM VACUUM MELT STEEL
495AA	**66.675** 2.6250	**29.769** 1.1720	**3.5** .14	**1.51 kg** 3.33 lb	**493A**	**134.976** 5.3140	**22.225** .8750	**3.3** .13	**.48 kg** 1.06 lb	**30.163** 1.1875	497DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
495AS	**77.788** 3.0625	**29.769** 1.1720	**3.5** .14	**1.21 kg** 2.68 lb	**493AA**	**136.525** 5.3750	**22.225** .8750	**.8** .03	**.56 kg** 1.23 lb	**30.163** 1.1875	
495AX	**76.200** 3.0000	**29.769** 1.1720	**6.4** .25	**1.23 kg** 2.72 lb	***493-B**	**136.525** 5.3750	**22.225** .8750	**3.3** .13	**.60 kg** 1.31 lb	**13.475** .5305	NA497-SW: EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE
495W	**82.550** 3.2500	**29.769** 1.1720	**3.5** .14	**1.07 kg** 2.36 lb	***493D**	**136.525** 5.3750	**53.975** 2.1250	**.8** .03	**1.39 kg** 3.07 lb	**69.850** 2.7500	
495XA	**82.550** 3.2500	**29.769** 1.1720	**7.0** .28	**1.03 kg** 2.28 lb	***493DC**	**136.525** 5.3750	**53.975** 2.1250	**.8** .03	**1.39 kg** 3.07 lb	**69.850** 2.7500	499T: TAPERED BORE
496	**80.962** 3.1875	**29.769** 1.1720	**3.5** .14	**1.12 kg** 2.47 lb	***493DCA**	**136.525** 5.3750	**53.975** 2.1250	**.8** .03	**1.43 kg** 3.16 lb	**69.850** 2.7500	492W : SLOTS IN BACKFACE
496AS	**81.700** 3.2165	**29.769** 1.1720	**3.5** .14	**1.10 kg** 2.42 lb	**493P**	**136.525** 5.3750	**22.225** .8750	**3.3** .13	**.54 kg** 1.18 lb	**30.163** 1.1875	493-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
496P	**80.962** 3.1875	**29.769** 1.1720	**3.5** .14	**1.12 kg** 2.47 lb	**493-S**	**136.525** 5.3750	**29.464** 1.1600	**3.3** .13	**.62 kg** 1.37 lb	**30.163** 1.1875	493D : GROOVE IN OD CENTER HOLES IN OD CENTER
***496V**	**80.962** 3.1875	**29.769** 1.1720	**3.5** .14	**1.12 kg** 2.47 lb	***493V**	**136.525** 5.3750	**22.225** .8750	**3.3** .13	**.54 kg** 1.18 lb	**30.163** 1.1875	493DC : HOLES IN OD CENTER
496X	**79.985** 3.1490	**29.769** 1.1720	**3.5** .14	**1.15 kg** 2.54 lb	**493X**	**140.000** 5.5118	**22.225** .8750	**3.0** .12	**.67 kg** 1.48 lb	**30.163** 1.1875	493DCA : HOLES IN OD CENTER
497	**85.725** 3.3750	**29.769** 1.1720	**3.5** .14	**.98 kg** 2.15 lb	***494A**	**144.462** 5.6875	**22.225** .8750	**1.5** .06	**.82 kg** 1.80 lb	**30.163** 1.1875	493V : MADE FROM VACUUM MELT STEEL
497A	**85.725** 3.3750	**29.769** 1.1720	**6.4** .25	**.95 kg** 2.08 lb	***494-B**	**140.000** 5.5118	**22.225** .8750	**3.0** .12	**.75 kg** 1.65 lb	**13.495** .5313	494-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
497P	**85.725** 3.3750	**29.769** 1.1720	**3.5** .14	**.98 kg** 2.15 lb	***494DC**	**139.974** 5.5108	**53.975** 2.1250	**.8** .03	**1.71 kg** 3.77 lb	**69.850** 2.7500	494A : SHOULDER ON OD BACKFACE
497W	**85.725** 3.3750	**29.769** 1.1720	**3.5** .14	**.96 kg** 2.13 lb							494DC : HOLES IN OD CENTER
497X	**75.000** 2.9528	**29.769** 1.1720	**3.0** .12	**1.30 kg** 2.86 lb							K312463 : FLANGE ON OD LEFTFACE
498	**84.138** 3.3125	**29.769** 1.1720	**3.5** .14	**1.03 kg** 2.26 lb							K312471 : ASYMMETRICAL BEARING FLANGE ON OD LEFTFACE SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
498W	**84.138** 3.3125	**29.769** 1.1720	**3.5** .14	**1.02 kg** 2.25 lb							
499A	**84.976** 3.3455	**29.769** 1.1720	**3.5** .14	**1.00 kg** 2.20 lb							
***499T**	**87.490** 3.4445	**29.769** 1.1720	**.8** .03	**1.00 kg** 2.20 lb							K326071 : FLANGE ON OD LEFTFACE SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD

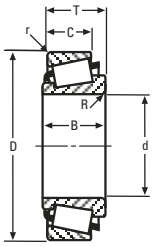
495 SERIES CONTINUED ON NEXT PAGE

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

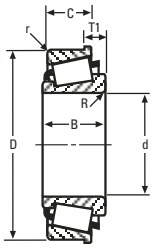
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
495 Series (cont)											
***495DA**	**76.200** 3.0000	**106.477** 4.1920	**.8** .03	**4.04 kg** 8.90 lb	**492A**	**133.350** 5.2500	**22.225** .8750	**3.3** .13	**.42 kg** .93 lb	**57.150** 2.2500	
***497DA**	**80.962** 3.1875	**106.477** 4.1920	**.8** .03	**3.53 kg** 7.78 lb	***492W**	**133.350** 5.2500	**25.400** 1.0000	**3.3** .13	**.50 kg** 1.10 lb	**63.500** 2.5000	
					493	**136.525** 5.3750	**22.225** .8750	**3.3** .13	**.54 kg** 1.18 lb	**57.150** 2.2500	
					493A	**134.976** 5.3140	**22.225** .8750	**3.3** .13	**.48 kg** 1.06 lb	**57.150** 2.2500	
					493AA	**136.525** 5.3750	**22.225** .8750	**.8** .03	**.56 kg** 1.23 lb	**57.150** 2.2500	
					493P	**136.525** 5.3750	**22.225** .8750	**3.3** .13	**.54 kg** 1.18 lb	**57.150** 2.2500	
					***493V**	**136.525** 5.3750	**22.225** .8750	**3.3** .13	**.54 kg** 1.18 lb	**57.150** 2.2500	
					493X	**140.000** 5.5118	**22.225** .8750	**3.0** .12	**.67 kg** 1.48 lb	**57.150** 2.2500	
					***494A**	**144.462** 5.6875	**22.225** .8750	**1.5** .06	**.82 kg** 1.80 lb	**57.150** 2.2500	
***NA495-SW**	**76.200** 3.0000	**34.925** 1.3750	**3.5** .14	**2.68 kg** 5.91 lb	***493D**	**136.525** 5.3750	**53.975** 2.1250	**.8** .03	**1.39 kg** 3.07 lb	**69.850** 2.7500	
NA495A	**76.200** 3.0000	**34.925** 1.3750	**3.5** .14	**2.74 kg** 6.05 lb	***493DC**	**136.525** 5.3750	**53.975** 2.1250	**.8** .03	**1.39 kg** 3.07 lb	**69.850** 2.7500	
					***493DCA**	**136.525** 5.3750	**53.975** 2.1250	**.8** .03	**1.43 kg** 3.16 lb	**69.850** 2.7500	
					***494DC**	**139.974** 5.5108	**53.975** 2.1250	**.8** .03	**1.71 kg** 3.77 lb	**69.850** 2.7500	
					K109597	**158.750** 6.2500	**71.435** 2.8124	**1.5** .06	**4.49 kg** 9.90 lb	**69.850** 2.7500	
					K312462	**203.200** 8.0000	**71.435** 2.8124	**1.5** .06	**11.51 kg** 25.38 lb	**69.850** 2.7500	
					***K312463**	**203.200** 8.0000	**71.435** 2.8124	**1.5** .06	**12.20 kg** 26.89 lb	**69.850** 2.7500	
					***K312471**	**203.200** 8.0000	**93.662** 3.6875	**spcl.** spcl.	**14.77 kg** 32.56 lb	**69.850** 2.7500	
					***K326071**	**158.750** 6.2500	**71.435** 2.8124	**spcl.** spcl.	**5.02 kg** 11.06 lb	**69.850** 2.7500	
496D	**80.962** 3.1875	**59.538** 2.3440	**1.5** .06	**2.70 kg** 5.95 lb	**492A**	**133.350** 5.2500	**22.225** .8750	**3.3** .13	**.42 kg** .93 lb	**60.325** 2.3750	
496DA	**81.700** 3.2165	**59.538** 2.3440	**2.0** .08	**2.65 kg** 5.85 lb	***492W**	**133.350** 5.2500	**25.400** 1.0000	**3.3** .13	**.50 kg** 1.10 lb	**66.675** 2.6250	
					493	**136.525** 5.3750	**22.225** .8750	**3.3** .13	**.54 kg** 1.18 lb	**60.325** 2.3750	
					493A	**134.976** 5.3140	**22.225** .8750	**3.3** .13	**.48 kg** 1.06 lb	**60.325** 2.3750	
					493AA	**136.525** 5.3750	**22.225** .8750	**.8** .03	**.56 kg** 1.23 lb	**60.325** 2.3750	
					493P	**136.525** 5.3750	**22.225** .8750	**3.3** .13	**.54 kg** 1.18 lb	**60.325** 2.3750	
					493-S	**136.525** 5.3750	**29.464** 1.1600	**3.3** .13	**.62 kg** 1.37 lb	**60.325** 2.3750	
					***493V**	**136.525** 5.3750	**22.225** .8750	**3.3** .13	**.54 kg** 1.18 lb	**60.325** 2.3750	
					493X	**140.000** 5.5118	**22.225** .8750	**3.0** .12	**.67 kg** 1.48 lb	**60.325** 2.3750	
					***494A**	**144.462** 5.6875	**22.225** .8750	**1.5** .06	**.82 kg** 1.80 lb	**60.325** 2.3750	
***NA497-SW**	**85.725** 3.3750	**36.512** 1.4375	**3.5** .14	**2.16 kg** 4.77 lb	NA497-SW may be paired with all double cups corresponding to NA495-SW and will require 3.175 mm (.1250 in) to be added to the T-width values.						
498D	**84.138** 3.3125	**75.413** 2.9690	**.8** .03	**3.01 kg** 6.63 lb	498D may be paired with all single cups corresponding to 496D and will require 15.875 mm (.6250 in) to be added to the T-width values.						

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

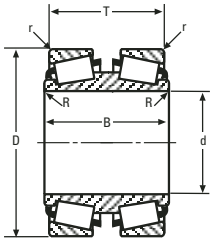
525 SERIES CONTINUED ON NEXT PAGE



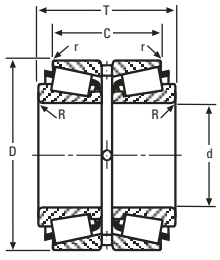
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ¨	CONE Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ¨	CUP Weight	BEARING WIDTH T	Remarks
525 Series											527AS: EXTENDED SMALL RIB
525	**38.100**	**36.068**	**3.5**	**1.07 kg**	**520X**	**100.000**	**26.988**	**3.3**	**.35 kg**	**34.925**	
	1.5000	1.4200	.14	2.36 lb		3.9370	1.0625	.13	.78 lb	1.3750	V527A: EXTENDED LARGE RIB
525A	**39.688**	**36.068**	**3.5**	**1.04 kg**	**†J520**	**100.000**	**26.988**	**3.3**	**.37 kg**	**34.925**	522-B: FLANGE ON OD FRONTFACE,
	1.5625	1.4200	.14	2.30 lb		3.9370	1.0625	.13	.81 lb	1.3750	BEARING WIDTH IS T1 DIMENSION
525X	**38.100**	**36.068**	**.8**	**1.08 kg**	**522**	**101.600**	**26.988**	**3.3**	**.41 kg**	**34.925**	SPECIAL RADIUS ON
	1.5000	1.4200	.03	2.37 lb		4.0000	1.0625	.13	.90 lb	1.3750	BACKFACE OD
526	**41.275**	**36.068**	**3.5**	**1.01 kg**	**522A**	**100.038**	**31.750**	**4.3**	**.44 kg**	**39.688**	
	1.6250	1.4200	.14	2.24 lb		3.9385	1.2500	.17	.97 lb	1.5625	
526A	**41.275**	**36.068**	**.8**	**1.02 kg**	***522-B**	**101.600**	**26.988**	**spcl.**	**.47 kg**	**14.288**	
	1.6250	1.4200	.03	2.25 lb		4.0000	1.0625	spcl.	1.03 lb	.5625	
527	**44.450**	**36.068**	**3.5**	**.95 kg**	**522X**	**101.200**	**26.988**	**3.3**	**.39 kg**	**34.925**	
	1.7500	1.4200	.14	2.10 lb		3.9843	1.0625	.13	.87 lb	1.3750	
527-S	**44.983**	**36.068**	**4.3**	**.94 kg**	**V523**	**100.025**	**27.927**	**1.8**	**.38 kg**	**35.831**	
	1.7710	1.4200	.17	2.07 lb		3.9380	1.0995	.07	.84 lb	1.4107	
***527AS**	**44.450**	**38.100**	**3.5**	-							
	1.7500	1.5000	.14	-							
528	**47.625**	**36.068**	**3.5**	**.89 kg**							
	1.8750	1.4200	.14	1.96 lb							
528A	**47.625**	**36.068**	**1.5**	**.89 kg**							
	1.8750	1.4200	.06	1.97 lb							
528R	**47.625**	**36.068**	**8.0**	**.86 kg**							
	1.8750	1.4200	.31	1.89 lb							
529	**50.800**	**36.068**	**.8**	**.83 kg**							
	2.0000	1.4200	.03	1.82 lb							
529A	**50.000**	**36.068**	**6.0**	**.82 kg**							
	1.9685	1.4200	.24	1.81 lb							
529X	**50.800**	**36.068**	**3.5**	**.82 kg**							
	2.0000	1.4200	.14	1.80 lb							
***V527A**	**44.991**	**39.688**	**1.5**	**1.02 kg**	V527A may be paired with all single cups corresponding to 525 and will require 3.620 mm (.1425 in) to be added to the T-width values.						
	1.7713	1.5625	.06	2.25 lb							
535 Series											537X: KEYWAY IN ID
535	**44.450**	**36.957**	**3.5**	**1.09 kg**	**532**	**111.125**	**33.338**	**3.3**	**.79 kg**	**38.100**	
	1.7500	1.4550	.14	2.41 lb		4.3750	1.3125	.13	1.74 lb	1.5000	539T: TAPERED BORE
536	**47.625**	**36.957**	**3.5**	**1.03 kg**	**532A**	**111.125**	**30.162**	**3.3**	**.74 kg**	**38.100**	
	1.8750	1.4550	.14	2.27 lb		4.3750	1.1875	.13	1.62 lb	1.5000	539W: KEYWAY IN ID
537	**50.800**	**36.957**	**3.5**	**.96 kg**	***532-B**	**111.125**	**30.162**	**3.3**	**.79 kg**	**14.288**	532-B: FLANGE ON OD FRONTFACE,
	2.0000	1.4550	.14	2.11 lb		4.3750	1.1875	.13	1.75 lb	.5625	BEARING WIDTH IS T1 DIMENSION
***537X**	**50.800**	**36.957**	**3.5**	**.97 kg**	**532X**	**107.950**	**28.575**	**3.3**	**.56 kg**	**36.513**	533D: GROOVE IN OD CENTER
	2.0000	1.4550	.14	2.14 lb		4.2500	1.1250	.13	1.24 lb	1.4375	HOLES IN OD CENTER
538	**54.988**	**36.957**	**.8**	**.86 kg**	**532XA**	**109.949**	**28.575**	**3.3**	**.64 kg**	**36.513**	
	2.1649	1.4550	.03	1.91 lb		4.3287	1.1250	.13	1.41 lb	1.4375	
538US	**54.988**	**36.957**	**3.5**	**.86 kg**	**533A**	**103.188**	**30.162**	**1.5**	**.43 kg**	**38.100**	533DC: HOLES IN OD CENTER
	2.1649	1.4550	.14	1.89 lb		4.0625	1.1875	.06	.95 lb	1.5000	
539	**53.975**	**36.957**	**3.5**	**.88 kg**	***533D**	**111.125**	**63.500**	**1.5**	**1.55 kg**	**79.376**	
	2.1250	1.4550	.14	1.94 lb		4.3750	2.5000	.06	3.41 lb	3.1250	
539A	**53.975**	**36.957**	**5.5**	**.87 kg**	***533DC**	**111.125**	**63.500**	**1.5**	**1.55 kg**	**79.376**	
	2.1250	1.4550	.22	1.91 lb		4.3750	2.5000	.06	3.41 lb	3.1250	
***539T**	**53.975**	**36.957**	**3.5**	**.92 kg**	**533X**	**110.000**	**30.162**	**3.3**	**.69 kg**	**38.100**	
	2.1250	1.4550	.14	2.03 lb		4.3307	1.1875	.13	1.52 lb	1.5000	
***539W**	**53.975**	**36.957**	**3.5**	**.89 kg**	**534**	**110.000**	**26.988**	**3.3**	**.59 kg**	**34.130**	
	2.1250	1.4550	.14	1.96 lb		4.3307	1.0625	.13	1.30 lb	1.3437	
540	**52.388**	**36.957**	**3.5**	**.92 kg**							
	2.0625	1.4550	.14	2.03 lb							
54	**41.275**	**36.957**	**3.5**	**1.16 kg**							
	1.6250	1.4550	.14	2.55 lb							
542	**38.100**	**36.957**	**3.5**	**1.22 kg**							
	1.5000	1.4550	.14	2.68 lb							
543	**40.000**	**36.957**	**3.5**	**1.18 kg**							
	1.5748	1.4550	.14	2.60 lb							
543X	**40.000**	**36.957**	**3.0**	**1.18 kg**							
	1.5748	1.4550	.12	2.61 lb							
545	**49.212**	**36.957**	**3.5**	**.99 kg**							
	1.9375	1.4550	.14	2.19 lb							
546	**49.982**	**36.957**	**3.5**	**.98 kg**							
	1.9678	1.4550	.14	2.15 lb							

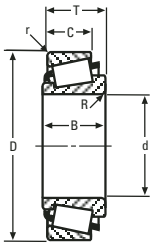
535 SERIES CONTINUED ON NEXT PAGE

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

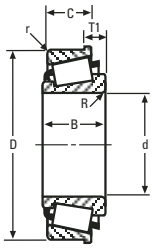
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
535 Series (cont)											
NA539	**53.975** 2.1250	**39.688** 1.5625	**3.5** .14	**1.81 kg** 3.98 lb	***533D**	**111.125** 4.3750	**63.500** 2.5000	**1.5** .06	**1.55 kg** 3.41 lb	**79.375** 3.1250	
					***533DC**	**111.125** 4.3750	**63.500** 2.5000	**1.5** .06	**1.55 kg** 3.41 lb	**79.375** 3.1250	
555 Series											NA558: EXTENDED SMALL RIB
554	**61.912** 2.4375	**36.678** 1.4440	**3.5** .14	**1.27 kg** 2.81 lb	**552**	**123.825** 4.8750	**33.338** 1.3125	**3.3** .13	**.80 kg** 1.76 lb	**38.100** 1.5000	NA558-SW: EXTENDED SMALL RIB
555	**50.800** 2.0000	**36.678** 1.4440	**2.3** .09	**1.56 kg** 3.44 lb	**552A**	**123.825** 4.8750	**30.162** 1.1875	**3.3** .13	**.75 kg** 1.65 lb	**38.100** 1.5000	FRONTFACE CHAMFER SLOTS IN FRONTFACE
555-S	**57.150** 2.2500	**36.678** 1.4440	**3.5** .14	**1.40 kg** 3.09 lb	***552AW**	**123.825** 4.8750	**30.162** 1.1875	**3.3** .13	**.76 kg** 1.67 lb	**38.100** 1.5000	552-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
557	**55.000** 2.1654	**36.678** 1.4440	**3.5** .14	**1.46 kg** 3.21 lb	**552AX**	**123.825** 4.8750	**30.162** 1.1875	**.5** .02	**.77 kg** 1.69 lb	**38.100** 1.5000	552AW: KEYWAY BACKFACE
557-S	**53.975** 2.1250	**36.678** 1.4440	**3.5** .14	**1.48 kg** 3.27 lb	***552-B**	**123.825** 4.8750	**30.162** 1.1875	**3.3** .13	**.82 kg** 1.81 lb	**14.288** .5625	552D: GROOVE IN OD CENTER HOLES IN OD CENTER
557A	**60.325** 2.3750	**36.678** 1.4440	**8.0** .31	**1.28 kg** 2.81 lb	***552D**	**123.825** 4.8750	**63.500** 2.5000	**1.5** .06	**1.58 kg** 3.49 lb	**79.375** 3.1250	
557X	**53.975** 2.1250	**36.678** 1.4440	**3.5** .14	**-** -	***552DC**	**123.825** 4.8750	**63.500** 2.5000	**1.5** .06	**1.58 kg** 3.49 lb	**79.375** 3.1250	552DC: HOLES IN OD CENTER
558	**60.325** 2.3750	**36.678** 1.4440	**2.3** .09	**1.32 kg** 2.92 lb	**552-S**	**123.825** 4.8750	**26.975** 1.0620	**4.8** .19	**.63 kg** 1.38 lb	**34.912** 1.3745	553-BA: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
558-S	**59.987** 2.3617	**36.678** 1.4440	**3.5** .14	**1.33 kg** 2.92 lb	**552-SX**	**123.825** 4.8750	**31.750** 1.2500	**3.3** .13	**.80 kg** 1.77 lb	**39.687** 1.5625	553-SB: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
558A	**60.325** 2.3750	**36.678** 1.4440	**3.5** .14	**1.32 kg** 2.90 lb	**553A**	**125.000** 4.9213	**30.162** 1.1875	**3.3** .13	**.80 kg** 1.77 lb	**38.100** 1.5000	553X: GROOVE IN FRONTFACE
558X	**60.000** 2.3622	**36.678** 1.4440	**3.0** .12	**1.33 kg** 2.93 lb	***553-BA**	**127.000** 5.0000	**34.925** 1.3750	**3.3** .13	**.97 kg** 2.13 lb	**7.137** .2810	
559	**63.500** 2.5000	**36.678** 1.4440	**3.5** .14	**1.23 kg** 2.71 lb	**553-S**	**130.061** 5.1205	**30.162** 1.1875	**3.3** .13	**1.04 kg** 2.30 lb	**38.100** 1.5000	
559A	**63.500** 2.5000	**36.678** 1.4440	**7.0** .28	**1.20 kg** 2.64 lb	**553-SA**	**129.944** 5.1159	**30.162** 1.1875	**3.3** .13	**1.04 kg** 2.29 lb	**38.100** 1.5000	
560	**66.675** 2.6250	**36.678** 1.4440	**3.5** .14	**1.13 kg** 2.50 lb	***553-SB**	**129.944** 5.1159	**30.162** 1.1875	**3.3** .13	**1.13 kg** 2.49 lb	**14.288** .5625	
560-S	**68.262** 2.6875	**36.678** 1.4440	**3.5** .14	**1.09 kg** 2.39 lb	***553X**	**122.238** 4.8125	**30.162** 1.1875	**3.3** .13	**.68 kg** 1.50 lb	**38.100** 1.5000	
***NA558**	**60.325** 2.3750	**39.688** 1.5625	**3.5** .14	**2.73 kg** 6.02 lb	***552D**	**123.825** 4.8750	**63.500** 2.5000	**1.5** .06	**1.58 kg** 3.49 lb	**79.375** 3.1250	
***NA558-SW**	**60.325** 2.3750	**39.688** 1.5625	**3.5** .14	**2.76 kg** 6.09 lb	***552DC**	**123.825** 4.8750	**63.500** 2.5000	**1.5** .06	**1.58 kg** 3.49 lb	**79.375** 3.1250	
565 Series											568T: TAPERED BORE
565	**63.500** 2.5000	**36.170** 1.4240	**3.5** .14	**1.44 kg** 3.18 lb	**562**	**130.048** 5.1200	**28.575** 1.1250	**.8** .03	**.80 kg** 1.75 lb	**36.512** 1.4375	562DS: HOLES IN OD CENTER SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
565-S	**63.500** 2.5000	**36.170** 1.4240	**6.4** .25	**1.42 kg** 3.13 lb	***562DS**	**138.112** 5.4375	**65.088** 2.5625	**spcl.** spcl.	**2.60 kg** 5.74 lb	**80.962** 3.1875	
566	**69.850** 2.7500	**36.170** 1.4240	**3.5** .14	**1.25 kg** 2.76 lb	**562X**	**130.000** 5.1181	**29.000** 1.1417	**3.0** .12	**.80 kg** 1.75 lb	**36.937** 1.4542	563-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
566-S	**69.850** 2.7500	**36.170** 1.4240	**.8** .03	**1.26 kg** 2.79 lb	**563**	**127.000** 5.0000	**28.575** 1.1250	**3.3** .13	**.64 kg** 1.42 lb	**36.512** 1.4375	
566W	**69.850** 2.7500	**36.170** 1.4240	**3.5** .14	**1.24 kg** 2.74 lb	**563A**	**123.825** 4.8750	**28.575** 1.1250	**3.3** .13	**.50 kg** 1.11 lb	**36.512** 1.4375	563D : GROOVE IN OD CENTER HOLES IN OD CENTER
566X	**69.850** 2.7500	**36.170** 1.4240	**6.8** .27	**1.22 kg** 2.70 lb	***563-B**	**127.000** 5.0000	**28.575** 1.1250	**3.3** .13	**.72 kg** 1.58 lb	**14.288** .5625	563DC : HOLES IN OD CENTER
567	**73.025** 2.8750	**36.170** 1.4240	**3.5** .14	**1.15 kg** 2.54 lb	***563D**	**127.000** 5.0000	**65.088** 2.5625	**1.5** .06	**1.53 kg** 3.38 lb	**80.962** 3.1875	564DW : GROOVE IN OD CENTER HOLES IN OD CENTER KEYWAY IN OD SURFACE
567-S	**71.438** 2.8125	**36.170** 1.4240	**6.4** .25	**1.18 kg** 2.59 lb	***563DC**	**127.000** 5.0000	**65.088** 2.5625	**1.5** .06	**1.53 kg** 3.38 lb	**80.962** 3.1875	
567A	**71.438** 2.8125	**36.170** 1.4240	**3.5** .14	**1.20 kg** 2.65 lb	**563X**	**127.000** 5.0000	**28.575** 1.1250	**.8** .03	**.66 kg** 1.45 lb	**36.512** 1.4375	T61370 : ASYMMETRICAL BEARING BROKEN CORNER ON LEFTFACE OD CHAMFER ON RIGHTFACE OD
567AA	**71.412** 2.8115	**36.170** 1.4240	**3.5** .14	**1.21 kg** 2.67 lb	**564**	**131.762** 5.1875	**36.512** 1.4375	**3.3** .13	**1.19 kg** 2.63 lb	**44.450** 1.7500	
567W	**73.025** 2.8750	**36.170** 1.4240	**3.5** .14	**1.15 kg** 2.53 lb	***564DW**	**133.350** 5.2500	**65.088** 2.5625	**.8** .03	**2.07 kg** 4.56 lb	**80.962** 3.1875	T64032A : BROKEN CORNER ON LEFTFACE OD CHAMFER ON RIGHTFACE OD
567X	**73.025** 2.8750	**36.170** 1.4240	**4.8** .19	**1.16 kg** 2.55 lb	***T61370**	**127.000** 5.0000	**65.088** 2.5625	**-** -	**1.43 kg** 3.15 lb	**80.962** 3.1875	

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

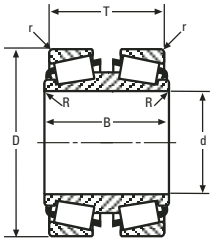
565 SERIES CONTINUED ON NEXT PAGE



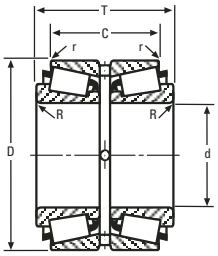
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ¨	CONE Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ¨	CUP Weight	BEARING WIDTH T	Remarks
565 Series (cont)											T78331 : ASYMMETRICAL BEARING BROKEN CORNER ON LEFTFACE OD BROKEN CORNER ON RIGHTFACE OD
567XA	**73.025** 2.8750	**36.170** 1.4240	**6.4** .25	**1.15 kg** 2.53 lb	***T64032A**	**127.000** 5.0000	**101.600** 4.0000	**-** -	**2.76 kg** 6.09 lb	**117.475** 4.6250	
568	**73.817** 2.9062	**36.170** 1.4240	**.8** .03	**1.14 kg** 2.51 lb	***T78331**	**127.000** 5.0000	**65.088** 2.5625	**-** -	**1.43 kg** 3.15 lb	**80.962** 3.1875	
***568T**	**75.413** 2.9690	**36.170** 1.4240	**.8** .03	**1.16 kg** 2.55 lb							
568W	**73.817** 2.9062	**36.170** 1.4240	**.8** .03	**1.12 kg** 2.46 lb							
568X	**75.000** 2.9528	**36.170** 1.4240	**3.5** .14	**1.09 kg** 2.39 lb							
569	**64.963** 2.5576	**36.170** 1.4240	**3.5** .14	**1.40 kg** 3.09 lb							
570	**68.262** 2.6875	**36.170** 1.4240	**3.5** .14	**1.30 kg** 2.87 lb							
570X	**70.000** 2.7559	**36.170** 1.4240	**3.0** .12	**1.25 kg** 2.76 lb							
NA567	**73.025** 2.8750	**40.483** 1.5938	**6.8** .27	**2.33 kg** 5.14 lb	***562DS**	**138.112** 5.4375	**65.088** 2.5625	**spcl.** spcl.	**2.60 kg** 5.74 lb	**80.965** 3.1876	
NA569	**66.675** 2.6250	**40.483** 1.5938	**3.5** .14	**2.84 kg** 6.26 lb	***563D**	**127.000** 5.0000	**65.088** 2.5625	**1.5** .06	**1.53 kg** 3.38 lb	**80.965** 3.1876	
					***563DC**	**127.000** 5.0000	**65.088** 2.5625	**1.5** .06	**1.53 kg** 3.38 lb	**80.965** 3.1876	
					***564DW**	**133.350** 5.2500	**65.088** 2.5625	**.8** .03	**2.07 kg** 4.56 lb	**80.965** 3.1876	
					***T61370**	**127.000** 5.0000	**65.088** 2.5625	**-** -	**1.43 kg** 3.15 lb	**80.965** 3.1876	
					***T64032A**	**127.000** 5.0000	**101.600** 4.0000	**-** -	**2.76 kg** 6.09 lb	**80.965** 3.1876	
					***T78331**	**127.000** 5.0000	**65.088** 2.5625	**-** -	**1.43 kg** 3.15 lb	**80.965** 3.1876	
575 Series											579TD: ASYMMETRICAL BEARING REVERSE TAPERED BORE
575	**76.200** 3.0000	**36.098** 1.4212	**3.5** .14	**1.60 kg** 3.52 lb	**572**	**139.992** 5.5115	**28.575** 1.1250	**3.3** .13	**.77 kg** 1.70 lb	**36.513** 1.4375	
575-S	**76.200** 3.0000	**36.098** 1.4212	**6.8** .27	**1.56 kg** 3.44 lb	**572A**	**139.982** 5.5111	**28.575** 1.1250	**3.3** .13	**.74 kg** 1.64 lb	**35.250** 1.3878	580V: MADE FROM VACUUM MELT STEEL
575W	**76.200** 3.0000	**36.098** 1.4212	**3.5** .14	**1.61 kg** 3.55 lb	***572AB**	**139.992** 5.5115	**28.575** 1.1250	**3.3** .13	**.80 kg** 1.77 lb	**14.288** .5625	NA580-SW: EXTENDED LARGE RIB EXTENDED SMALL RIB
576	**73.025** 2.8750	**36.098** 1.4212	**3.5** .14	**1.70 kg** 3.75 lb	***572-B**	**139.992** 5.5115	**28.575** 1.1250	**3.3** .13	**.85 kg** 1.88 lb	**14.288** .5625	FRONTFACE CHAMFER SLOTS IN FRONTFACE
576W	**73.025** 2.8750	**36.098** 1.4212	**3.5** .14	**1.66 kg** 3.67 lb	***572D**	**139.992** 5.5115	**66.675** 2.6250	**.8** .03	**1.95 kg** 4.29 lb	**82.550** 3.2500	572-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
577	**74.612** 2.9375	**36.098** 1.4212	**3.5** .14	**1.65 kg** 3.64 lb	***572DC**	**139.992** 5.5115	**66.675** 2.6250	**.8** .03	**1.95 kg** 4.29 lb	**82.550** 3.2500	572AB : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
578	**79.985** 3.1490	**36.098** 1.4212	**3.5** .14	**1.46 kg** 3.23 lb	**572-S**	**139.700** 5.5000	**28.575** 1.1250	**.8** .03	**.77 kg** 1.71 lb	**36.513** 1.4375	
578W	**79.992** 3.1493	**36.098** 1.4212	**3.5** .14	**1.47 kg** 3.24 lb	**572X**	**139.700** 5.5000	**28.575** 1.1250	**3.3** .13	**.76 kg** 1.67 lb	**36.513** 1.4375	572D : GROOVE IN OD CENTER HOLES IN OD CENTER
578X	**79.985** 3.1490	**36.098** 1.4212	**8.0** .31	**1.41 kg** 3.11 lb	**572XS**	**139.700** 5.5000	**28.575** 1.1250	**4.8** .19	**.74 kg** 1.62 lb	**36.513** 1.4375	572DC : HOLES IN OD CENTER
580	**82.550** 3.2500	**36.098** 1.4212	**3.5** .14	**1.37 kg** 3.02 lb	**574**	**139.992** 5.5115	**28.575** 1.1250	**.5** .02	**.79 kg** 1.74 lb	**36.513** 1.4375	K100427 : CHAMFER ON LEFTFACE OD CHAMFER ON RIGHTFACE OD
***580V**	**82.550** 3.2500	**36.098** 1.4212	**3.5** .14	**1.37 kg** 3.02 lb							K104220 : CHAMFER ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD TAPERED OD
580W	**82.550** 3.2500	**36.098** 1.4212	**3.5** .14	**1.37 kg** 3.02 lb							
580WA	**82.550** 3.2500	**36.098** 1.4212	**3.5** .14	**1.37 kg** 3.02 lb							
580X	**82.550** 3.2500	**36.098** 1.4212	**4.8** .19	**1.36 kg** 3.00 lb							
581	**80.962** 3.1875	**36.098** 1.4212	**3.5** .14	**1.43 kg** 3.15 lb							
581W	**80.962** 3.1875	**36.098** 1.4212	**3.5** .14	**1.44 kg** 3.18 lb							
582	**82.550** 3.2500	**36.098** 1.4212	**6.8** .27	**1.33 kg** 2.94 lb							

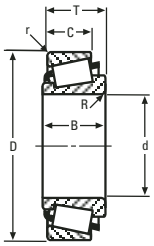
575 SERIES CONTINUED ON NEXT PAGE

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

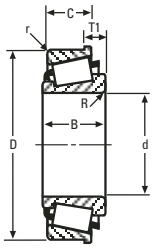
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
575 Series (cont)											
***579TD**	**85.136**	**80.134**	**.8**	**3.73 kg**	**572**	**139.992**	**28.575**	**3.3**	**.77 kg**	**80.962**	
	3.3518	3.1549	.03	8.23 lb		5.5115	1.1250	.13	1.70 lb	3.1875	
581D	**80.962**	**80.134**	**1.5**	**4.18 kg**	**572A**	**139.982**	**28.575**	**3.3**	**.74 kg**	**78.438**	
	3.1875	3.1549	.06	9.22 lb		5.5111	1.1250	.13	1.64 lb	3.0881	
					572-S	**139.700**	**28.575**	**.8**	**.77 kg**	**80.962**	
						5.5000	1.1250	.03	1.71 lb	3.1875	
					572X	**139.700**	**28.575**	**3.3**	**.76 kg**	**80.962**	
						5.5000	1.1250	.13	1.67 lb	3.1875	
					572XS	**139.700**	**28.575**	**4.8**	**.74 kg**	**80.962**	
						5.5000	1.1250	.19	1.62 lb	3.1875	
					574	**139.992**	**28.575**	**.5**	**.79 kg**	**80.962**	
						5.5115	1.1250	.02	1.74 lb	3.1875	
NA580	**82.550**	**41.275**	**3.5**	**2.89 kg**	***572D**	**139.992**	**66.675**	**.8**	**1.95 kg**	**82.550**	
	3.2500	1.6250	.14	6.37 lb		5.5115	2.6250	.03	4.29 lb	3.2500	
					***572DC**	**139.992**	**66.675**	**.8**	**1.95 kg**	**82.550**	
						5.5115	2.6250	.03	4.29 lb	3.2500	
					***K100427**	**192.966**	**88.900**	**-**	**5.41 kg**	**82.550**	
						7.5971	3.5000	-	11.92 lb	3.2500	
					***K104220**	**171.450**	**88.900**	**spcl.**	**5.10 kg**	**82.550**	
						6.7500	3.5000	spcl.	11.25 lb	3.2500	
***NA580-SW**	**82.550**	**46.038**	**3.5**	**2.98 kg**	NA580-SW may be paired with all double cups corresponding to NA580 and will require 9.525 mm (.3750 in) to be added to the T-width values.						
	3.2500	1.8125	.14	6.56 lb							
595 Series											NA593-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
590	**79.985**	**36.322**	**3.5**	**2.04 kg**	**592**	**152.400**	**33.338**	**3.3**	**1.10 kg**	**39.688**	
	3.1490	1.4300	.14	4.50 lb		6.0000	1.3125	.13	2.42 lb	1.5625	
590A	**76.200**	**36.322**	**3.5**	**2.17 kg**	**592A**	**152.400**	**30.162**	**3.3**	**1.04 kg**	**39.688**	594-SW: SLOTS IN BACKFACE
	3.0000	1.4300	.14	4.79 lb		6.0000	1.1875	.13	2.29 lb	1.5625	
593	**88.900**	**36.322**	**3.5**	**1.70 kg**	**592AS**	**152.400**	**26.192**	**.8**	**.88 kg**	**35.718**	NA596-SW: EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE
	3.5000	1.4300	.14	3.76 lb		6.0000	1.0312	.03	1.93 lb	1.4062	
593-S	**89.090**	**36.322**	**3.5**	**1.70 kg**	**592AX**	**147.828**	**26.192**	**3.3**	**.66 kg**	**35.718**	
	3.5075	1.4300	.14	3.74 lb		5.8200	1.0312	.13	1.45 lb	1.4062	592-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
593A	**88.900**	**36.322**	**6.4**	**1.67 kg**	***592-B**	**152.400**	**30.162**	**3.3**	**1.13 kg**	**15.875**	
	3.5000	1.4300	.25	3.69 lb		6.0000	1.1875	.13	2.48 lb	.6250	
594	**95.250**	**36.322**	**3.5**	**1.44 kg**	***592D**	**152.400**	**63.500**	**.8**	**2.29 kg**	**82.550**	592D : GROOVE IN OD CENTER HOLES IN OD CENTER
	3.7500	1.4300	.14	3.18 lb		6.0000	2.5000	.03	5.04 lb	3.2500	
***594-SW**	**95.250**	**36.322**	**3.5**	**1.45 kg**	***592DC**	**152.400**	**63.500**	**.8**	**2.29 kg**	**82.550**	
	3.7500	1.4300	.14	3.20 lb		6.0000	2.5000	.03	5.04 lb	3.2500	592DC : HOLES IN OD CENTER
594A	**95.250**	**36.322**	**5.0**	**1.43 kg**	**592-S**	**152.400**	**39.688**	**3.3**	**1.19 kg**	**39.687**	
	3.7500	1.4300	.20	3.14 lb		6.0000	1.5625	.13	2.62 lb	1.5625	K87718 : FLANGE ON OD LEFTFACE
594AA	**95.250**	**36.322**	**.8**	**1.46 kg**	**592XE**	**147.638**	**26.192**	**.8**	**.64 kg**	**35.718**	
	3.7500	1.4300	.03	3.22 lb		5.8125	1.0312	.03	1.42 lb	1.4062	K93891 : FLANGE ON OD LEFTFACE TAPERED OD
594R	**95.250**	**36.322**	**8.0**	**1.43 kg**	**592XS**	**147.638**	**26.192**	**3.3**	**.62 kg**	**35.718**	
	3.7500	1.4300	.31	3.15 lb		5.8125	1.0312	.13	1.38 lb	1.4062	
594W	**95.250**	**36.322**	**3.5**	**1.45 kg**	**593X**	**150.000**	**27.000**	**3.0**	**.76 kg**	**35.992**	K106815 : FLANGE ON OD LEFTFACE HOLES IN LEFTFACE TAPERED OD
	3.7500	1.4300	.14	3.20 lb		5.9055	1.0630	.12	1.67 lb	1.4170	
†J594X	**95.000**	**36.322**	**8.0**	**1.39 kg**	**†JM719113**	**150.000**	**27.000**	**2.5**	**.76 kg**	**35.966**	
	3.7402	1.4300	.31	3.07 lb		5.9055	1.0630	.10	1.68 lb	1.4160	
595	**82.550**	**36.322**	**3.5**	**1.95 kg**							K444675 : ASYMMETRICAL - TWO SERIES BEARING GROOVE IN OD LEFTFACE
	3.2500	1.4300	.14	4.30 lb							
595A	**79.375**	**36.322**	**3.5**	**2.06 kg**							
	3.1250	1.4300	.14	4.55 lb							
596	**85.725**	**36.322**	**3.5**	**1.83 kg**							
	3.3750	1.4300	.14	4.03 lb							
596-S	**87.312**	**36.322**	**3.5**	**1.77 kg**							
	3.4375	1.4300	.14	3.90 lb							
596W	**93.662**	**36.322**	**3.5**	**1.53 kg**							
	3.6875	1.4300	.14	3.38 lb							
597	**93.662**	**36.322**	**3.5**	**1.51 kg**							
	3.6875	1.4300	.14	3.33 lb							
597A	**91.351**	**36.322**	**3.5**	**1.61 kg**							
	3.5965	1.4300	.14	3.54 lb							
597X	**90.000**	**36.322**	**3.0**	**1.66 kg**							
	3.5433	1.4300	.12	3.67 lb							

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

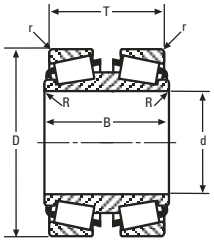
595 SERIES CONTINUED ON NEXT PAGE



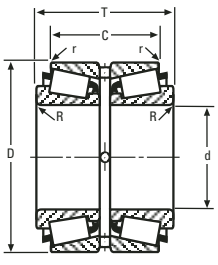
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ¨	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ¨	Weight	BEARING WIDTH T	Remarks
595 Series (cont)											
598	**92.075** 3.6250	**36.322** 1.4300	**3.5** .14	**1.58 kg** 3.47 lb							
598A	**92.075** 3.6250	**36.322** 1.4300	**6.4** .25	**1.54 kg** 3.40 lb							
598W	**92.075** 3.6250	**36.322** 1.4300	**3.5** .14	**1.58 kg** 3.48 lb							
598X	**92.075** 3.6250	**36.322** 1.4300	**3.5** .14	**1.57 kg** 3.46 lb							
599X	**85.000** 3.3465	**36.322** 1.4300	**3.0** .12	**1.86 kg** 4.10 lb							
NA593	**88.900** 3.5000	**41.275** 1.6250	**3.5** .14	**3.61 kg** 7.96 lb	***592D**	**152.400** 6.0000	**63.500** 2.5000	**.8** .03	**2.29 kg** 5.04 lb	**82.550** 3.2500	
***NA593-SW**	**88.900** 3.5000	**41.275** 1.6250	**3.5** .14	**3.56 kg** 7.85 lb	***592DC**	**152.400** 6.0000	**63.500** 2.5000	**.8** .03	**2.29 kg** 5.04 lb	**82.550** 3.2500	
					***K87718**	**250.825** 9.8750	**101.600** 4.0000	**3.3** .13	**28.58 kg** 63.02 lb	**82.550** 3.2500	
					***K93891**	**254.000** 10.0000	**101.600** 4.0000	**3.3** .13	**29.37 kg** 64.75 lb	**82.550** 3.2500	
					K101989	**250.825** 9.8750	**101.600** 4.0000	**3.3** .13	**28.03 kg** 61.82 lb	**82.550** 3.2500	
					***K106815**	**254.000** 10.0000	**101.600** 4.0000	**3.3** .13	**29.62 kg** 65.31 lb	**82.550** 3.2500	
					***K444675**	**161.925** 6.3750	**79.375** 3.1250	**.8** .03	**3.58 kg** 7.90 lb	**82.550** 3.2500	
					K516773	**249.974** 9.8415	**101.600** 4.0000	**3.3** .13	**26.78 kg** 59.05 lb	**82.550** 3.2500	
***NA596-SW**	**88.900** 3.5000	**46.038** 1.8125	**3.5** .14	**3.71 kg** 8.18 lb	NA596-SW may be paired with all double cups corresponding to NA593 and will require 9.525 mm (.3750 in) to be added to the T-width values.						
615 Series											617W: KEYWAY IN ID
615	**44.450** 1.7500	**41.275** 1.6250	**3.5** .14	**1.58 kg** 3.48 lb	**612**	**120.650** 4.7500	**31.750** 1.2500	**3.3** .13	**.85 kg** 1.87 lb	**41.275** 1.6250	623V: MADE FROM VACUUM MELT STEEL
617	**47.625** 1.8750	**41.275** 1.6250	**3.5** .14	**1.50 kg** 3.31 lb	**612A**	**120.040** 4.7260	**31.750** 1.2500	**3.3** .13	**.82 kg** 1.81 lb	**41.275** 1.6250	612-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
***617W**	**47.625** 1.8750	**41.275** 1.6250	**1.5** .06	**1.52 kg** 3.36 lb	***612-B**	**120.650** 4.7500	**31.750** 1.2500	**3.3** .13	**.92 kg** 2.02 lb	**16.667** .6562	612V: MADE FROM VACUUM MELT STEEL
619	**50.800** 2.0000	**41.275** 1.6250	**3.5** .14	**1.42 kg** 3.13 lb	**612-S**	**120.650** 4.7500	**31.750** 1.2500	**.8** .03	**.86 kg** 1.90 lb	**41.275** 1.6250	612X: KEYWAY IN OD BACKFACE
620	**39.688** 1.5625	**41.275** 1.6250	**.8** .03	**1.68 kg** 3.71 lb	***612V**	**120.650** 4.7500	**31.750** 1.2500	**3.3** .13	**.85 kg** 1.87 lb	**41.275** 1.6250	613-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
621	**53.975** 2.1250	**41.275** 1.6250	**3.5** .14	**1.34 kg** 2.95 lb	***612X**	**120.650** 4.7500	**31.750** 1.2500	**3.3** .13	**.85 kg** 1.88 lb	**41.275** 1.6250	
621-S	**53.975** 2.1250	**41.275** 1.6250	**3.5** .14	**1.34 kg** 2.94 lb	***613-B**	**120.650** 4.7500	**34.925** 1.3750	**3.3** .13	**.93 kg** 2.06 lb	**12.700** .5000	
622A	**55.006** 2.1656	**41.275** 1.6250	**.8** .03	**1.32 kg** 2.90 lb	**613-S**	**114.300** 4.5000	**30.162** 1.1875	**1.5** .06	**.54 kg** 1.19 lb	**40.183** 1.5820	
622X	**55.000** 2.1654	**41.275** 1.6250	**3.0** .12	**1.31 kg** 2.89 lb	**613X**	**120.000** 4.7244	**30.988** 1.2200	**3.0** .12	**.79 kg** 1.74 lb	**40.023** 1.5757	
623	**57.150** 2.2500	**41.275** 1.6250	**3.5** .14	**1.25 kg** 2.75 lb	**614X**	**115.000** 4.5276	**31.496** 1.2400	**3.0** .12	**.59 kg** 1.29 lb	**41.021** 1.6150	
623A	**57.150** 2.2500	**41.275** 1.6250	**6.4** .25	**1.23 kg** 2.70 lb							
***623V**	**57.150** 2.2500	**41.275** 1.6250	**3.5** .14	**1.25 kg** 2.75 lb							
624	**53.975** 2.1250	**41.275** 1.6250	**.8** .03	**1.35 kg** 2.97 lb							
623-S	**57.150** 2.2500	**38.100** 1.5000	**2.3** .09	**1.23 kg** 2.72 lb	623-S may be paired with all single cups corresponding to 615 and will require -2.083 mm (-.0820 in) to be added to the T-width values.						
635 Series											639X: BACKFACE CHAMFER
635	**57.150** 2.2500	**41.275** 1.6250	**3.5** .14	**1.99 kg** 4.38 lb	**632**	**136.525** 5.3750	**31.750** 1.2500	**3.3** .13	**1.04 kg** 2.30 lb	**41.275** 1.6250	NA643-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
636	**53.975** 2.1250	**41.275** 1.6250	**3.5** .14	**2.08 kg** 4.58 lb	**632A**	**136.525** 5.3750	**39.688** 1.5625	**3.3** .13	**1.18 kg** 2.60 lb	**41.275** 1.6250	

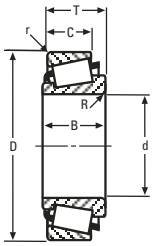
635 SERIES CONTINUED ON NEXT PAGE

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

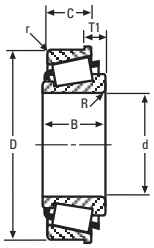
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
635 Series (cont)											
637	**60.325** 2.3750	**41.275** 1.6250	**3.5** .14	**1.89 kg** 4.17 lb	***632AS**	**136.525** 5.3750	**55.562** 2.1875	**1.5** .06	**1.70 kg** 3.74 lb	**55.560** 2.1874	NA646-SW: FRONTFACE CHAMFER SHOULDER ON OD BACKFACE SLOTS IN FRONTFACE
639	**63.500** 2.5000	**41.275** 1.6250	**3.5** .14	**1.79 kg** 3.95 lb	***632-B**	**136.525** 5.3750	**31.750** 1.2500	**3.3** .13	**1.12 kg** 2.48 lb	**16.662** .6560	632-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
***639X**	**63.500** 2.5000	**41.275** 1.6250	**spcl.** spcl.	**1.74 kg** 3.83 lb	***632D**	**136.525** 5.3750	**76.200** 3.0000	**1.5** .06	**2.56 kg** 5.63 lb	**95.250** 3.7500	
641	**66.675** 2.6250	**41.275** 1.6250	**3.5** .14	**1.69 kg** 3.72 lb	***632DC**	**136.525** 5.3750	**76.200** 3.0000	**1.5** .06	**2.56 kg** 5.63 lb	**95.250** 3.7500	632-S : KEYWAY IN OD BACKFACE THREADED OD FRONTFACE
642	**68.262** 2.6875	**41.275** 1.6250	**3.5** .14	**1.63 kg** 3.60 lb	***632-S**	**136.525** 5.3750	**41.275** 1.6250	**.8** .03	**1.21 kg** 2.67 lb	**41.275** 1.6250	632AS : KEYWAY IN OD SURFACE THREADED OD FRONTFACE
643	**69.850** 2.7500	**41.275** 1.6250	**3.5** .14	**1.58 kg** 3.48 lb	**633**	**130.175** 5.1250	**31.750** 1.2500	**3.3** .13	**.70 kg** 1.54 lb	**41.275** 1.6250	
644	**71.438** 2.8125	**41.275** 1.6250	**3.5** .14	**1.53 kg** 3.37 lb	**633X**	**130.000** 5.1181	**31.750** 1.2500	**3.0** .12	**.69 kg** 1.52 lb	**41.275** 1.6250	632D : GROOVE IN OD CENTER HOLES IN OD CENTER
645	**71.438** 2.8125	**41.275** 1.6250	**6.4** .25	**1.49 kg** 3.30 lb	***634W**	**136.525** 5.3750	**35.720** 1.4063	**1.5** .06	**1.23 kg** 2.72 lb	**45.245** 1.7813	632DC : HOLES IN OD CENTER
645X	**71.438** 2.8125	**41.275** 1.6250	**6.4** .25	**1.49 kg** 3.29 lb							634W : KEYWAY BACKFACE SLOTS OD SURFACE
NA643	**69.850** 2.7500	**47.625** 1.8750	**3.5** .14	**3.33 kg** 7.34 lb	***632D**	**136.525** 5.3750	**76.200** 3.0000	**1.5** .06	**2.56 kg** 5.63 lb	**95.250** 3.7500	K516780 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
***NA643-SW**	**69.850** 2.7500	**47.625** 1.8750	**3.5** .14	**3.37 kg** 7.42 lb	***632DC**	**136.525** 5.3750	**76.200** 3.0000	**1.5** .06	**2.56 kg** 5.63 lb	**95.250** 3.7500	
					***K516780**	**159.974** 6.2982	**87.889** 3.4602	**spcl.** spcl.	**6.66 kg** 14.69 lb	**95.250** 3.7500	
639A	**63.500** 2.5000	**46.025** 1.8120	**6.4** .25	**1.94 kg** 4.27 lb	639A may be paired with all single cups corresponding to 635 and will require 4.750 mm (.1870 in) to be added to the T-width values. 639A may be paired with all double cups corresponding to 635 and will require 9.500 mm (.3740 in) to be added to the T-width values.						
***NA646-SW**	**69.987** 2.7554	**44.920** 1.7685	**3.0** .12	**3.27 kg** 7.21 lb	NA646-SW may be paired with all double cups corresponding to NA643 and will require -5.410 mm (-.2130 in) to be added to the T-width values.						
655 Series											NA659-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
655	**69.850** 2.7500	**41.275** 1.6250	**3.5** .14	**2.37 kg** 5.22 lb	**652**	**152.400** 6.0000	**31.750** 1.2500	**3.3** .13	**1.24 kg** 2.74 lb	**41.275** 1.6250	652-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
656	**64.960** 2.5575	**41.275** 1.6250	**3.5** .14	**2.54 kg** 5.59 lb	**652A**	**149.225** 5.8750	**31.750** 1.2500	**3.3** .13	**1.05 kg** 2.33 lb	**41.275** 1.6250	
657	**73.025** 2.8750	**41.275** 1.6250	**3.5** .14	**2.25 kg** 4.97 lb	***652-B**	**152.400** 6.0000	**31.750** 1.2500	**3.3** .13	**1.35 kg** 2.97 lb	**16.667** .6562	653DT: ASYMMETRICAL BEARING GROOVE IN OD CENTER HOLES IN OD CENTER REVERSE TAPERED OD SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
658	**74.612** 2.9375	**41.275** 1.6250	**3.5** .14	**2.19 kg** 4.84 lb	**653**	**146.050** 5.7500	**31.750** 1.2500	**3.3** .13	**.87 kg** 1.92 lb	**41.275** 1.6250	
659	**76.200** 3.0000	**41.275** 1.6250	**3.5** .14	**2.13 kg** 4.70 lb	***653DT**	**158.750** 6.2500	**76.200** 3.0000	**spcl.** spcl.	**3.24 kg** 7.14 lb	**95.250** 3.7500	
661	**79.375** 3.1250	**41.275** 1.6250	**3.5** .14	**2.01 kg** 4.42 lb	**653X**	**150.000** 5.9055	**31.750** 1.2500	**3.0** .12	**1.10 kg** 2.43 lb	**41.275** 1.6250	
663	**82.550** 3.2500	**41.275** 1.6250	**3.5** .14	**1.88 kg** 4.14 lb	***654D**	**152.400** 6.0000	**76.200** 3.0000	**1.5** .06	**3.08 kg** 6.80 lb	**95.250** 3.7500	654D: GROOVE IN OD CENTER HOLES IN OD CENTER
663A	**82.550** 3.2500	**41.275** 1.6250	**6.8** .27	**1.84 kg** 4.05 lb	***654DC**	**152.400** 6.0000	**76.200** 3.0000	**1.5** .06	**3.08 kg** 6.80 lb	**95.250** 3.7500	654DC: HOLES IN OD CENTER
664	**84.138** 3.3125	**41.275** 1.6250	**3.5** .14	**1.81 kg** 3.99 lb							
665	**85.725** 3.3750	**41.275** 1.6250	**3.5** .14	**1.74 kg** 3.84 lb							
665A	**85.725** 3.3750	**41.275** 1.6250	**6.4** .25	**1.71 kg** 3.77 lb							
665X	**85.000** 3.3465	**41.275** 1.6250	**3.5** .14	**1.77 kg** 3.91 lb							
NA659	**76.200** 3.0000	**47.625** 1.8750	**3.5** .14	**4.56 kg** 10.04 lb	***653DT**	**158.750** 6.2500	**76.200** 3.0000	**spcl.** spcl.	**3.24 kg** 7.14 lb	**95.250** 3.7500	

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

655 SERIES CONTINUED ON NEXT PAGE



SINGLE ROW



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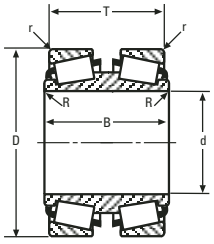
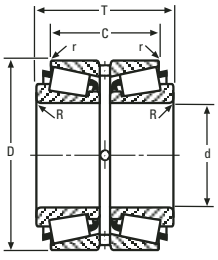


DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	Weight	BEARING WIDTH T	Remarks
655 Series (cont)											
***NA659-SW**	**76.200** 3.0000	**47.625** 1.8750	**3.5** .14	**4.58 kg** 10.11 lb	***654D**	**152.400** 6.0000	**76.200** 3.0000	**1.5** .06	**3.08 kg** 6.80 lb	**95.250** 3.7500	
					***654DC**	**152.400** 6.0000	**76.200** 3.0000	**1.5** .06	**3.08 kg** 6.80 lb	**95.250** 3.7500	
662	**80.962** 3.1875	**38.100** 1.5000	**3.5** .14	**1.82 kg** 4.01 lb	662 may be paired with all single cups corresponding to 655 and will require -3.175 mm (-.1250 in) to be added to the T-width values. 662 may be paired with all double cups corresponding to 655 and will require -6.350 mm (-.2500 in) to be added to the T-width values.						
675 Series											688TD: TAPERED BORE
677	**85.725** 3.3750	**41.275** 1.6250	**3.5** .14	**2.90 kg** 6.39 lb	**672**	**168.275** 6.6250	**30.162** 1.1875	**3.3** .13	**1.22 kg** 2.69 lb	**41.275** 1.6250	NA691: EXTENDED SMALL RIB
679	**88.900** 3.5000	**41.275** 1.6250	**3.5** .14	**2.76 kg** 6.08 lb	**672A**	**168.275** 6.6250	**34.925** 1.3750	**3.3** .13	**1.32 kg** 2.91 lb	**41.274** 1.6250	NA691-SW: EXTENDED SMALL RIB SLOTS IN FRONTFACE
681	**92.075** 3.6250	**41.275** 1.6250	**3.5** .14	**2.61 kg** 5.76 lb	***672-B**	**168.275** 6.6250	**30.162** 1.1875	**3.3** .13	**1.33 kg** 2.94 lb	**18.255** .7187	672-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
681A	**92.075** 3.6250	**41.275** 1.6250	**6.4** .25	**2.58 kg** 5.68 lb	***672D**	**168.275** 6.6250	**69.850** 2.7500	**.8** .03	**3.12 kg** 6.88 lb	**92.075** 3.6250	
681W	**92.075** 3.6250	**41.275** 1.6250	**3.5** .14	**2.62 kg** 5.77 lb	***672DC**	**168.275** 6.6250	**69.850** 2.7500	**.8** .03	**3.12 kg** 6.88 lb	**92.075** 3.6250	672D: GROOVE IN OD CENTER HOLES IN OD CENTER
682	**94.976** 3.7392	**41.275** 1.6250	**3.5** .14	**2.47 kg** 5.45 lb	**672P**	**168.275** 6.6250	**30.162** 1.1875	**3.3** .13	**1.22 kg** 2.70 lb	**41.275** 1.6250	672DC: HOLES IN OD CENTER
683	**95.250** 3.7500	**41.275** 1.6250	**3.5** .14	**2.46 kg** 5.42 lb	**673**	**169.974** 6.6919	**30.162** 1.1875	**3.3** .13	**1.33 kg** 2.93 lb	**41.275** 1.6250	675DRB: GROOVE IN OD LEFTFACE
683WA	**95.250** 3.7500	**41.275** 1.6250	**3.5** .14	**2.39 kg** 5.28 lb	**673X**	**170.000** 6.6929	**30.162** 1.1875	**3.0** .12	**1.33 kg** 2.94 lb	**41.275** 1.6250	
683X	**95.000** 3.7402	**41.275** 1.6250	**3.5** .14	**2.47 kg** 5.45 lb	**674**	**171.450** 6.7500	**30.162** 1.1875	**3.3** .13	**1.40 kg** 3.08 lb	**41.275** 1.6250	
683XA	**95.250** 3.7500	**41.275** 1.6250	**5.0** .20	**2.44 kg** 5.39 lb	***675DRB**	**174.625** 6.8750	**69.850** 2.7500	**.8** .03	**4.00 kg** 8.81 lb	**92.075** 3.6250	
685	**98.425** 3.8750	**41.275** 1.6250	**3.5** .14	**2.30 kg** 5.08 lb							
685W	**98.425** 3.8750	**41.275** 1.6250	**3.5** .14	**2.29 kg** 5.05 lb							
687	**101.600** 4.0000	**41.275** 1.6250	**3.5** .14	**2.14 kg** 4.72 lb							
687P	**101.600** 4.0000	**41.275** 1.6250	**3.5** .14	**2.16 kg** 4.75 lb							
689	**103.188** 4.0625	**41.275** 1.6250	**3.5** .14	**2.06 kg** 4.54 lb							
***688TD**	**100.211** 3.9453	**95.250** 3.7500	**.8** .03	**6.57 kg** 14.48 lb	**672**	**168.275** 6.6250	**30.162** 1.1875	**3.3** .13	**1.22 kg** 2.69 lb	**95.250** 3.7500	
					672A	**168.275** 6.6250	**34.925** 1.3750	**3.3** .13	**1.32 kg** 2.91 lb	**95.250** 3.7500	
					672P	**168.275** 6.6250	**30.162** 1.1875	**3.3** .13	**1.22 kg** 2.70 lb	**95.250** 3.7500	
					673	**169.974** 6.6919	**30.162** 1.1875	**3.3** .13	**1.33 kg** 2.93 lb	**95.250** 3.7500	
					673X	**170.000** 6.6929	**30.162** 1.1875	**3.0** .12	**1.33 kg** 2.94 lb	**95.250** 3.7500	
					674	**171.450** 6.7500	**30.162** 1.1875	**3.3** .13	**1.40 kg** 3.08 lb	**95.250** 3.7500	
***NA691**	**101.600** 4.0000	**46.038** 1.8125	**3.5** .14	**4.45 kg** 9.81 lb	***672D**	**168.275** 6.6250	**69.850** 2.7500	**.8** .03	**3.12 kg** 6.88 lb	**92.075** 3.6250	
***NA691-SW**	**101.600** 4.0000	**46.038** 1.8125	**3.5** .14	**4.69 kg** 10.35 lb	***672DC**	**168.275** 6.6250	**69.850** 2.7500	**.8** .03	**3.12 kg** 6.88 lb	**92.075** 3.6250	
					***675DRB**	**174.625** 6.8750	**69.850** 2.7500	**.8** .03	**4.00 kg** 8.81 lb	**92.075** 3.6250	
686	**94.976** 3.7392	**40.488** 1.5940	**3.5** .14	**2.43 kg** 5.36 lb	686 may be paired with all single cups corresponding to 677 and will require -.787 mm (-.0310 in) to be added to the T-width values. 686 may be paired with all double cups corresponding to 677 and will require -1.575 mm (-.0620 in) to be added to the T-width values.						

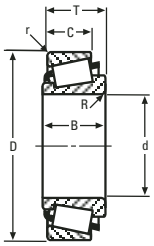
745 SERIES CONTINUED ON NEXT PAGE

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

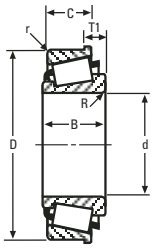
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
745 Series											749V: MADE FROM VACUUM MELT STEEL
740	**80.962**	**46.672**	**5.0**	**2.34 kg**	**742**	**150.089**	**36.512**	**3.3**	**1.07 kg**	**44.450**	
	3.1875	1.8375	.20	5.15 lb		5.9090	1.4375	.13	2.35 lb	1.7500	749W: KEYWAY IN ID
744	**73.025**	**46.672**	**3.5**	**2.70 kg**	**742A**	**149.974**	**36.512**	**3.3**	**1.04 kg**	**44.450**	742-B: FLANGE ON OD FRONTFACE,
	2.8750	1.8375	.14	5.96 lb		5.9045	1.4375	.13	2.30 lb	1.7500	BEARING WIDTH IS T1
744A	**69.850**	**46.672**	**5.2**	**2.82 kg**	***742-B**	**150.089**	**36.512**	**3.3**	**1.18 kg**	**15.875**	DIMENSION
	2.7500	1.8375	.20	6.22 lb		5.9090	1.4375	.13	2.59 lb	.6250	742D: GROOVE IN OD CENTER
745	**59.931**	**46.672**	**3.5**	**3.20 kg**	***742D**	**155.575**	**85.725**	**1.5**	**3.46 kg**	**101.600**	HOLES IN OD CENTER
	2.3595	1.8375	.14	7.06 lb		6.1250	3.3750	.06	7.63 lb	4.0000	
745-S	**63.500**	**46.672**	**3.5**	**3.08 kg**	***742DC**	**155.575**	**85.725**	**1.5**	**3.46 kg**	**101.600**	742DC: HOLES IN OD CENTER
	2.5000	1.8375	.14	6.78 lb		6.1250	3.3750	.06	7.63 lb	4.0000	
745A	**69.850**	**46.672**	**3.5**	**2.83 kg**	***742V**	**150.089**	**36.512**	**3.3**	**1.05 kg**	**44.450**	742V: MADE FROM VACUUM
	2.7500	1.8375	.14	6.25 lb		5.9090	1.4375	.13	2.32 lb	1.7500	MELT STEEL
746	**60.000**	**46.672**	**3.5**	**3.20 kg**	***742X**	**150.089**	**36.512**	**3.3**	**1.06 kg**	**44.450**	742X: KEYWAY IN OD BACKFACE
	2.3622	1.8375	.14	7.06 lb		5.9090	1.4375	.13	2.33 lb	1.7500	
747-S	**64.960**	**46.672**	**3.5**	**3.02 kg**	**743**	**150.000**	**35.000**	**3.3**	**1.02 kg**	**44.455**	743DS: HOLES IN OD CENTER
	2.5575	1.8375	.14	6.67 lb		5.9055	1.3780	.13	2.25 lb	1.7502	
748	**80.000**	**46.672**	**3.0**	**2.40 kg**	***743DS**	**168.275**	**85.725**	**1.5**	**5.83 kg**	**101.600**	
	3.1496	1.8375	.12	5.29 lb		6.6250	3.3750	.06	12.85 lb	4.0000	
748-S	**76.200**	**46.672**	**3.5**	**2.57 kg**	**743X**	**149.944**	**35.000**	**3.0**	**1.02 kg**	**44.455**	
	3.0000	1.8375	.14	5.66 lb		5.9033	1.3780	.12	2.25 lb	1.7502	
749	**85.026**	**46.672**	**3.5**	**2.17 kg**	**7464**	**149.225**	**34.925**	**3.3**	**.93 kg**	**42.863**	
	3.3475	1.8375	.14	4.78 lb		5.8750	1.3750	.13	2.05 lb	1.6875	
749-S	**85.026**	**46.672**	**5.0**	**2.14 kg**							
	3.3475	1.8375	.20	4.72 lb							
749A	**82.550**	**46.672**	**3.5**	**2.28 kg**							
	3.2500	1.8375	.14	5.02 lb							
***749V**	**85.026**	**46.672**	**3.5**	**2.16 kg**							
	3.3475	1.8375	.14	4.76 lb							
***749W**	**85.026**	**46.672**	**3.5**	**2.15 kg**							
	3.3475	1.8375	.14	4.74 lb							
750	**79.375**	**46.672**	**3.5**	**2.42 kg**							
	3.1250	1.8375	.14	5.35 lb							
750A	**82.550**	**46.672**	**6.5**	**2.24 kg**							
	3.2500	1.8375	.26	4.94 lb							
750W	**79.375**	**46.672**	**3.5**	**2.42 kg**							
	3.1250	1.8375	.14	5.33 lb							
NA749	**82.550**	**50.800**	**3.5**	**4.68 kg**	***742D**	**155.575**	**85.725**	**1.5**	**3.46 kg**	**101.600**	
	3.2500	2.0000	.14	10.32 lb		6.1250	3.3750	.06	7.63 lb	4.0000	
					***742DC**	**155.575**	**85.725**	**1.5**	**3.46 kg**	**101.600**	
						6.1250	3.3750	.06	7.63 lb	4.0000	
					***743DS**	**168.275**	**85.725**	**1.5**	**5.83 kg**	**101.600**	
						6.6250	3.3750	.06	12.85 lb	4.0000	
755 Series											NA759-SW: FRONTFACE CHAMFER
755	**76.200**	**48.260**	**3.5**	**3.09 kg**	**752**	**161.925**	**38.100**	**3.3**	**1.59 kg**	**47.625**	SLOTS IN FRONTFACE
	3.0000	1.9000	.14	6.82 lb		6.3750	1.5000	.13	3.51 lb	1.8750	
755W	**76.200**	**48.260**	**3.5**	**3.05 kg**	**752A**	**159.995**	**38.100**	**.8**	**1.47 kg**	**47.625**	NA761-SW: FRONTFACE CHAMFER
	3.0000	1.9000	.14	6.73 lb		6.2990	1.5000	.03	3.23 lb	1.8750	SLOTS IN FRONTFACE
756	**82.550**	**48.260**	**11.2**	**2.67 kg**	**752AA**	**161.925**	**38.100**	**.5**	**1.61 kg**	**47.625**	752-B : FLANGE ON OD FRONTFACE,
	3.2500	1.9000	.44	5.88 lb		6.3750	1.5000	.02	3.55 lb	1.8750	BEARING WIDTH IS T1
756A	**79.375**	**48.260**	**8.0**	**2.89 kg**	***752-B**	**161.925**	**38.100**	**3.3**	**1.72 kg**	**17.450**	DIMENSION
	3.1250	1.9000	.31	6.38 lb		6.3750	1.5000	.13	3.80 lb	.6870	752D : GROOVE IN OD CENTER
757	**82.550**	**48.260**	**3.5**	**2.79 kg**	***752D**	**161.925**	**85.725**	**1.5**	**3.66 kg**	**104.775**	HOLES IN OD CENTER
	3.2500	1.9000	.14	6.15 lb		6.3750	3.3750	.06	8.06 lb	4.1250	
757W	**82.550**	**48.260**	**3.5**	**2.81 kg**	***752DC**	**161.925**	**85.725**	**1.5**	**3.66 kg**	**104.775**	752DC : HOLES IN OD CENTER
	3.2500	1.9000	.14	6.20 lb		6.3750	3.3750	.06	8.06 lb	4.1250	
758	**85.725**	**48.260**	**3.5**	**2.63 kg**	**753**	**168.275**	**38.100**	**3.3**	**2.06 kg**	**47.625**	753A : CHAMFER ON BACKFACE OD
	3.3750	1.9000	.14	5.80 lb		6.6250	1.5000	.13	4.55 lb	1.8750	THREADED OD FRONTFACE
758W	**85.725**	**48.260**	**3.5**	**2.62 kg**	***753A**	**168.275**	**49.212**	**-**	**2.50 kg**	**49.212**	
	3.3750	1.9000	.14	5.79 lb		6.6250	1.9375	-	5.52 lb	1.9375	754W : KEYWAY IN OD SURFACE
759	**88.900**	**48.260**	**3.5**	**2.47 kg**	**753X**	**160.000**	**38.000**	**3.3**	**1.44 kg**	**47.620**	THREADED OD FRONTFACE
	3.5000	1.9000	.14	5.44 lb		6.2992	1.4961	.13	3.18 lb	1.8748	
760	**90.488**	**48.260**	**3.5**	**2.38 kg**	***754W**	**168.275**	**57.150**	**3.3**	**2.89 kg**	**53.975**	K312486 : SPECIAL RADIUS ON
	3.5625	1.9000	.14	5.25 lb		6.6250	2.2500	.13	6.38 lb	2.1250	LEFTFACE OD
											SPECIAL RADIUS ON
											RIGHTFACE OD

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

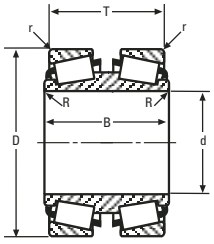
755 SERIES CONTINUED ON NEXT PAGE



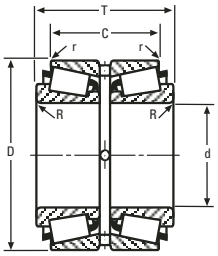
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ¨	CONE Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ¨	CUP Weight	BEARING WIDTH T	Remarks
755 Series (cont)											
761W	**88.900** 3.5000	**48.260** 1.9000	**3.5** .14	**2.45 kg** 5.39 lb							
762	**73.025** 2.8750	**48.260** 1.9000	**3.5** .14	**3.20 kg** 7.06 lb							
762XA	**73.025** 2.8750	**48.260** 1.9000	**3.5** .14	**3.23 kg** 7.13 lb							
766	**88.900** 3.5000	**48.260** 1.9000	**7.0** .28	**2.42 kg** 5.34 lb							
767X	**90.000** 3.5433	**48.260** 1.9000	**3.0** .12	**2.41 kg** 5.32 lb							
NA759	**88.900** 3.5000	**52.388** 2.0625	**3.5** .14	**5.07 kg** 11.17 lb	***752D**	**161.925** 6.3750	**85.725** 3.3750	**1.5** .06	**3.66 kg** 8.06 lb	**104.775** 4.1250	
***NA759-SW**	**88.900** 3.5000	**52.388** 2.0625	**3.5** .14	**5.11 kg** 11.27 lb	***752DC**	**161.925** 6.3750	**85.725** 3.3750	**1.5** .06	**3.66 kg** 8.06 lb	**104.775** 4.1250	
***NA761-SW**	**88.900** 3.5000	**52.388** 2.0625	**3.5** .14	**5.09 kg** 11.23 lb	***K312486**	**206.375** 8.1250	**103.185** 4.0624	**spcl.** spcl.	**16.69 kg** 36.81 lb	**104.775** 4.1250	
767D	**88.900** 3.5000	**107.950** 4.2500	**1.5** .06	**6.59 kg** 14.52 lb	**752**	**161.925** 6.3750	**38.100** 1.5000	**3.3** .13	**1.59 kg** 3.51 lb	**101.549** 3.9980	
					752A	**159.995** 6.2990	**38.100** 1.5000	**.8** .03	**1.47 kg** 3.23 lb	**101.549** 3.9980	
					752AA	**161.925** 6.3750	**38.100** 1.5000	**.5** .02	**1.61 kg** 3.55 lb	**101.549** 3.9980	
					753	**168.275** 6.6250	**38.100** 1.5000	**3.3** .13	**2.06 kg** 4.55 lb	**101.549** 3.9980	
					***753A**	**168.275** 6.6250	**49.212** 1.9375	**-** -	**2.50 kg** 5.52 lb	**104.724** 4.1230	
					753X	**160.000** 6.2992	**38.000** 1.4961	**3.3** .13	**1.44 kg** 3.18 lb	**101.539** 3.9976	
762X	**85.000** 3.3465	**48.489** 1.9090	**3.0** .12	**2.69 kg** 5.92 lb	762X may be paired with all single cups corresponding to 755 and will require .381 mm (.0150 in) to be added to the T-width values. 762X may be paired with all double cups corresponding to 755 and will require .762 mm (.0300 in) to be added to the T-width values.						
775 Series											NA776-SW: FRONTFACE CHAMFER
775	**88.900** 3.5000	**48.006** 1.8900	**4.8** .19	**3.81 kg** 8.40 lb	**772**	**180.975** 7.1250	**38.100** 1.5000	**3.3** .13	**1.92 kg** 4.24 lb	**47.625** 1.8750	SLOTS IN FRONTFACE
776	**95.250** 3.7500	**48.006** 1.8900	**3.5** .14	**3.47 kg** 7.66 lb	**772A**	**174.625** 6.8750	**38.100** 1.5000	**3.3** .13	**1.39 kg** 3.06 lb	**47.625** 1.8750	782W: KEYWAY IN ID
776W	**95.250** 3.7500	**48.006** 1.8900	**3.5** .14	**3.45 kg** 7.61 lb	***772-B**	**180.975** 7.1250	**38.100** 1.5000	**3.3** .13	**2.08 kg** 4.58 lb	**17.462** .6875	787TD: TAPERED BORE
777	**95.250** 3.7500	**48.006** 1.8900	**9.5** .38	**3.38 kg** 7.44 lb	**773**	**180.000** 7.0866	**40.000** 1.5748	**3.0** .12	**1.89 kg** 4.17 lb	**48.000** 1.8898	772-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
778	**92.075** 3.6250	**48.006** 1.8900	**3.5** .14	**3.65 kg** 8.05 lb	**773AA**	**179.974** 7.0856	**38.100** 1.5000	**3.0** .12	**1.84 kg** 4.06 lb	**47.625** 1.8750	773D: GROOVE IN OD CENTER HOLES IN OD CENTER
779	**98.425** 3.8750	**48.006** 1.8900	**3.5** .14	**3.29 kg** 7.26 lb	***773D**	**180.000** 7.0866	**85.725** 3.3750	**.8** .03	**4.27 kg** 9.42 lb	**104.775** 4.1250	773DC: HOLES IN OD CENTER
779W	**98.425** 3.8750	**48.006** 1.8900	**3.5** .14	**3.23 kg** 7.12 lb	***773DC**	**180.000** 7.0866	**85.725** 3.3750	**.8** .03	**4.27 kg** 9.42 lb	**104.775** 4.1250	774-BW: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION KEYWAY IN OD SURFACE
780	**101.600** 4.0000	**48.006** 1.8900	**3.5** .14	**3.10 kg** 6.85 lb	***774-BW**	**184.150** 7.2500	**47.625** 1.8750	**3.3** .13	**2.73 kg** 6.02 lb	**7.938** .3125	
780W	**101.600** 4.0000	**48.006** 1.8900	**3.5** .14	**3.05 kg** 6.73 lb	***774D**	**180.975** 7.1250	**85.725** 3.3750	**1.5** .06	**4.22 kg** 9.30 lb	**104.775** 4.1250	774D: GROOVE IN OD CENTER HOLES IN OD CENTER
782	**104.775** 4.1250	**48.006** 1.8900	**3.5** .14	**2.91 kg** 6.42 lb	***774DC**	**180.975** 7.1250	**85.725** 3.3750	**1.5** .06	**4.53 kg** 9.98 lb	**104.775** 4.1250	774DC: HOLES IN OD CENTER
***782W**	**104.775** 4.1250	**48.006** 1.8900	**3.5** .14	**2.85 kg** 6.27 lb							
783	**100.000** 3.9370	**48.006** 1.8900	**3.5** .14	**3.20 kg** 7.06 lb							
783A	**99.974** 3.9360	**50.800** 2.0000	**3.0** .12	**3.30 kg** 7.27 lb							
783W	**100.000** 3.9370	**48.006** 1.8900	**3.5** .14	**3.20 kg** 7.05 lb							

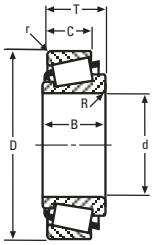
775 SERIES CONTINUED ON NEXT PAGE

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

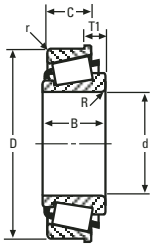
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
775 Series (cont)											
786	**104.775** 4.1250	**48.006** 1.8900	**6.4** .25	**2.87 kg** 6.34 lb							
787	**104.775** 4.1250	**48.006** 1.8900	**7.1** .28	**2.86 kg** 6.30 lb							
789	**100.813** 3.9690	**47.625** 1.8750	**3.5** .14	**3.14 kg** 6.92 lb							
NA776	**95.250** 3.7500	**52.388** 2.0625	**3.5** .14	**7.23 kg** 15.94 lb	***773D**	**180.000** 7.0866	**85.725** 3.3750	**.8** .03	**4.27 kg** 9.42 lb	**104.775** 4.1250	
***NA776-SW**	**95.250** 3.7500	**52.388** 2.0625	**3.5** .14	**7.23 kg** 15.93 lb	***773DC**	**180.000** 7.0866	**85.725** 3.3750	**.8** .03	**4.27 kg** 9.42 lb	**104.775** 4.1250	
NA780	**101.600** 4.0000	**52.388** 2.0625	**3.5** .14	**6.42 kg** 14.16 lb	***774D**	**180.975** 7.1250	**85.725** 3.3750	**1.5** .06	**4.22 kg** 9.30 lb	**104.775** 4.1250	
NA782	**104.775** 4.1250	**52.388** 2.0625	**3.5** .14	**6.00 kg** 13.22 lb	***774DC**	**180.975** 7.1250	**85.725** 3.3750	**1.5** .06	**4.53 kg** 9.98 lb	**104.775** 4.1250	
779D	**98.425** 3.8750	**102.362** 4.0300	**1.6** .06	**8.29 kg** 18.29 lb	**772**	**180.975** 7.1250	**38.100** 1.5000	**3.3** .13	**1.92 kg** 4.24 lb	**101.600** 4.0000	
782D	**104.775** 4.1250	**102.362** 4.0300	**1.6** .06	**7.48 kg** 16.49 lb	**772A**	**174.625** 6.8750	**38.100** 1.5000	**3.3** .13	**1.39 kg** 3.06 lb	**101.600** 4.0000	
***787TD**	**104.775** 4.1250	**104.775** 4.1250	**1.5** .06	**8.39 kg** 18.50 lb	**773**	**180.000** 7.0866	**40.000** 1.5748	**3.0** .12	**1.89 kg** 4.17 lb	**102.352** 4.0296	
					773AA	**179.974** 7.0856	**38.100** 1.5000	**3.0** .12	**1.84 kg** 4.06 lb	**101.600** 4.0000	
778D	**98.425** 3.8750	**96.825** 3.8120	**1.6** .06	**8.01 kg** 17.67 lb	778D may be paired with all single cups corresponding to 779D and will require -6.350 mm (-.2500 in) to be added to the T-width values.						
795 Series											795DE: EXTENDED SMALL RIB
795	**120.650** 4.7500	**47.625** 1.8750	**3.3** .13	**4.46 kg** 9.83 lb	***792-B**	**206.375** 8.1250	**34.925** 1.3750	**3.3** .13	**2.09 kg** 4.60 lb	**20.638** .8125	796DE: EXTENDED SMALL RIB
796X	**127.000** 5.0000	**47.625** 1.8750	**3.5** .14	**4.00 kg** 8.81 lb	**792**	**206.375** 8.1250	**34.925** 1.3750	**3.3** .13	**1.88 kg** 4.15 lb	**47.625** 1.8750	796DEE: EXTENDED SMALL RIB
797	**130.000** 5.1181	**47.625** 1.8750	**3.5** .14	**3.77 kg** 8.31 lb	***792CD**	**206.375** 8.1250	**82.550** 3.2500	**.8** .03	**4.41 kg** 9.73 lb	**107.950** 4.2500	797DA: EXTENDED SMALL RIB HOLES IN OD LEFTFACE
798	**127.000** 5.0000	**50.013** 1.9690	**3.3** .13	**4.03 kg** 8.88 lb	**793**	**206.375** 8.1250	**34.925** 1.3750	**3.3** .13	**1.90 kg** 4.18 lb	**47.625** 1.8750	
799	**128.587** 5.0625	**47.625** 1.8750	**3.3** .13	**3.88 kg** 8.55 lb	***793DE**	**206.375** 8.1250	**82.550** 3.2500	**.8** .03	**5.02 kg** 11.08 lb	**107.950** 4.2500	797DE: EXTENDED SMALL RIB
799A	**130.175** 5.1250	**47.625** 1.8750	**3.5** .14	**3.76 kg** 8.28 lb							797DEE: EXTENDED SMALL RIB
799W	**128.587** 5.0625	**47.625** 1.8750	**3.3** .13	**3.92 kg** 8.64 lb							797TD: ASYMMETRICAL BEARING TAPERED BORE
***795DE**	**120.000** 4.7244	**184.150** 7.2500	**.8** .03	**14.79 kg** 32.62 lb	**792**	**206.375** 8.1250	**34.925** 1.3750	**3.3** .13	**1.88 kg** 4.15 lb	**95.250** 3.7500	798DA: EXTENDED SMALL RIB HOLES IN OD LEFTFACE
***796DE**	**125.000** 4.9213	**184.150** 7.2500	**.8** .03	**13.43 kg** 29.61 lb	**793**	**206.375** 8.1250	**34.925** 1.3750	**3.3** .13	**1.90 kg** 4.18 lb	**95.250** 3.7500	798DE: EXTENDED SMALL RIB
***796DEE**	**125.000** 4.9213	**184.150** 7.2500	**.8** .03	**13.46 kg** 29.68 lb							798DEE: EXTENDED SMALL RIB
***797DA**	**125.412** 4.9375	**157.958** 6.2188	**.8** .03	**12.41 kg** 27.37 lb							NA798-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
***797DE**	**125.412** 4.9375	**184.150** 7.2500	**.8** .03	**13.24 kg** 29.20 lb							792-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
***797DEE**	**125.412** 4.9375	**184.150** 7.2500	**.8** .03	**13.24 kg** 29.20 lb							
***798DA**	**127.000** 5.0000	**157.958** 6.2188	**.8** .03	**12.02 k** 26.51 lb							792CD : GROOVE IN OD CENTER HOLES IN OD CENTER
***798DE**	**127.000** 5.0000	**184.150** 7.2500	**.8** .03	**12.82 kg** 28.27 lb							793DE : GROOVE IN OD CENTER HOLES IN OD CENTER
***798DEE**	**127.000** 5.0000	**184.150** 7.2500	**.8** .03	**12.82 kg** 28.27 lb							
NA798	**127.000** 5.0000	**53.975** 2.1250	**3.5** .14	**-** -	***792CD**	**206.375** 8.1250	**82.550** 3.2500	**.8** .03	**4.41 kg** 9.73 lb	**107.950** 4.2500	

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

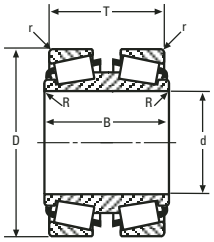
795 SERIES CONTINUED ON NEXT PAGE



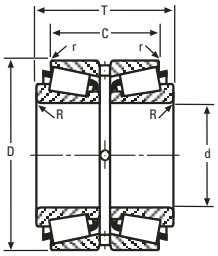
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ¨	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ¨	Weight	BEARING WIDTH T	Remarks
795 Series (cont)											
***NA798-SW**	**127.000** 5.0000	**53.975** 2.1250	**3.5** .14	**-** -	***793DE**	**206.375** 8.1250	**82.550** 3.2500	**.8** .03	**5.02 kg** 11.08 lb	**107.950** 4.2500	
***797TD**	**125.412** 4.9375	**114.300** 4.5000	**1.5** .06	**12.32 kg** 27.17 lb	797TD may be paired with all single cups corresponding to 795DE and will require 19.050 mm (.7500 in) to be added to the T-width values.						
835 Series											843V: MADE FROM VACUUM MELT STEEL
835	**69.850** 2.7500	**56.363** 2.2190	**3.5** .14	**4.42 kg** 9.75 lb	**832**	**168.275** 6.6250	**41.275** 1.6250	**3.3** .13	**1.74 kg** 3.83 lb	**53.975** 2.1250	850V: MADE FROM VACUUM MELT STEEL
837	**76.200** 3.0000	**56.363** 2.2190	**.8** .03	**4.11 kg** 9.06 lb	***832-B**	**168.275** 6.6250	**41.275** 1.6250	**3.3** .13	**1.92 kg** 4.23 lb	**22.225** .8750	832-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
838	**80.962** 3.1875	**56.363** 2.2190	**.8** .03	**3.85 kg** 8.49 lb	***832V**	**168.275** 6.6250	**41.275** 1.6250	**3.3** .13	**1.74 kg** 3.83 lb	**53.975** 2.1250	832V : MADE FROM VACUUM MELT STEEL
839	**82.550** 3.2500	**56.363** 2.2190	**.8** .03	**3.76 kg** 8.29 lb	***833W**	**168.275** 6.6250	**44.450** 1.7500	**3.3** .13	**1.85 kg** 4.09 lb	**57.150** 2.2500	833W : KEYWAY BACKFACE
841	**85.725** 3.3750	**56.363** 2.2190	**3.5** .14	**3.56 kg** 7.86 lb	**833X**	**170.000** 6.6929	**41.000** 1.6142	**3.0** .12	**1.86 kg** 4.11 lb	**53.975** 2.1250	834D : GROOVE IN OD CENTER HOLES IN OD CENTER
842	**82.550** 3.2500	**56.363** 2.2190	**3.5** .14	**3.75 kg** 8.27 lb	***834D**	**171.450** 6.7500	**100.012** 3.9375	**.8** .03	**5.42 kg** 11.96 lb	**125.413** 4.9375	
843	**76.200** 3.0000	**56.363** 2.2190	**6.4** .25	**4.09 kg** 9.02 lb							K103951 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
***843V**	**76.200** 3.0000	**56.363** 2.2190	**6.4** .25	**4.09 kg** 9.02 lb							
850	**88.900** 3.5000	**56.363** 2.2190	**3.5** .14	**3.37 kg** 7.43 lb							
850A	**89.891** 3.5390	**56.363** 2.2190	**3.5** .14	**3.31 kg** 7.30 lb							
***850V**	**88.900** 3.5000	**56.363** 2.2190	**3.5** .14	**3.37 kg** 7.43 lb							
850W	**88.900** 3.5000	**56.363** 2.2190	**3.5** .14	**3.35 kg** 7.38 lb							
NA842	**82.550** 3.2500	**62.708** 2.4688	**3.5** .14	**7.80 kg** 17.20 lb	***834D**	**171.450** 6.7500	**100.012** 3.9375	**.8** .03	**5.42 kg** 11.96 lb	**125.415** 4.9376	
					***K103951**	**215.900** 8.5000	**120.650** 4.7500	**spcl.** spcl.	**18.64 kg** 41.10 lb	**125.415** 4.9376	
855 Series											861V: MADE FROM VACUUM MELT STEEL
855	**88.900** 3.5000	**57.531** 2.2650	**8.0** .31	**5.02 kg** 11.06 lb	**852**	**190.500** 7.5000	**47.625** 1.8750	**3.3** .13	**2.78 kg** 6.12 lb	**57.150** 2.2500	861W: KEYWAY IN ID
857	**92.075** 3.6250	**57.531** 2.2650	**8.0** .31	**4.81 kg** 10.61 lb	**853**	**190.000** 7.4803	**48.000** 1.8898	**3.0** .12	**2.73 kg** 6.02 lb	**57.000** 2.2441	864W: KEYWAY IN ID
861	**101.600** 4.0000	**57.531** 2.2650	**8.0** .31	**4.15 kg** 9.16 lb	**854**	**190.500** 7.5000	**44.450** 1.7500	**3.3** .13	**2.65 kg** 5.85 lb	**57.150** 2.2500	854-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
861-SW	**101.600** 4.0000	**57.531** 2.2650	**8.0** .31	**4.29 kg** 9.45 lb	***854-B**	**190.500** 7.5000	**44.450** 1.7500	**3.3** .13	**2.88 kg** 6.36 lb	**22.225** .8750	854D: GROOVE IN OD CENTER
***861V**	**101.600** 4.0000	**57.531** 2.2650	**8.0** .31	**4.15 kg** 9.16 lb	***854D**	**190.500** 7.5000	**101.600** 4.0000	**1.5** .06	**6.28 kg** 13.86 lb	**127.000** 5.0000	HOLES IN OD CENTER
***861W**	**101.600** 4.0000	**57.531** 2.2650	**8.0** .31	**4.13 kg** 9.10 lb	***854DC**	**190.500** 7.5000	**101.600** 4.0000	**1.5** .06	**6.28 kg** 13.86 lb	**127.000** 5.0000	854DC: HOLES IN OD CENTER
862	**95.000** 3.7402	**57.531** 2.2650	**6.4** .25	**4.64 kg** 10.24 lb	***854V**	**190.500** 7.5000	**44.450** 1.7500	**3.3** .13	**2.65 kg** 5.85 lb	**57.150** 2.2500	854V: MADE FROM VACUUM MELT STEEL
863X	**100.000** 3.9370	**57.531** 2.2650	**6.0** .24	**4.29 kg** 9.45 lb	**854X**	**200.025** 7.8750	**49.212** 1.9375	**3.3** .13	**4.17 kg** 9.19 lb	**61.912** 2.4375	
864	**95.250** 3.7500	**57.531** 2.2650	**8.0** .31	**4.60 kg** 10.14 lb							
***864W**	**95.250** 3.7500	**57.531** 2.2650	**8.0** .31	**4.47 kg** 9.86 lb							
866	**98.425** 3.8750	**57.531** 2.2650	**3.5** .14	**4.44 kg** 9.80 lb							
867A	**94.976** 3.7392	**57.531** 2.2650	**3.5** .14	**4.68 kg** 10.32 lb							
869	**87.312** 3.4375	**57.531** 2.2650	**8.0** .31	**5.12 kg** 11.28 lb							
NA861	**101.600** 4.0000	**63.500** 2.5000	**3.5** .14	**8.73 kg** 19.24 lb	***854D**	**190.500** 7.5000	**101.600** 4.0000	**1.5** .06	**6.28 kg** 13.86 lb	**127.000** 5.0000	

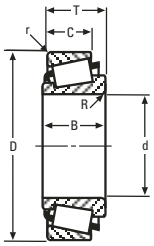
855 SERIES CONTINUED ON NEXT PAGE

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

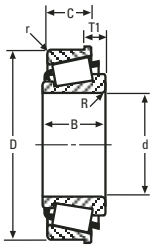
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
855 Series (cont)					***854DC**	**190.500** 7.5000	**101.600** 4.0000	**1.5** .06	**6.28 kg** 13.86 lb	**127.000** 5.0000	
867DA	**95.250** 3.7500	**127.000** 5.0000	**2.3** .09	**12.47 kg** 27.49 lb	**852**	**190.500** 7.5000	**47.625** 1.8750	**3.3** .13	**2.78 kg** 6.12 lb	**117.475** 4.6250	
868D	**101.600** 4.0000	**127.000** 5.0000	**1.5** .06	**11.14 kg** 24.56 lb	**853**	**190.000** 7.4803	**48.000** 1.8898	**3.0** .12	**2.73 kg** 6.02 lb	**117.175** 4.6132	
					854	**190.500** 7.5000	**44.450** 1.7500	**3.3** .13	**2.65 kg** 5.85 lb	**117.475** 4.6250	
					***854V**	**190.500** 7.5000	**44.450** 1.7500	**3.3** .13	**2.65 kg** 5.85 lb	**117.475** 4.6250	
					854X	**200.025** 7.8750	**49.212** 1.9375	**3.3** .13	**4.17 kg** 9.19 lb	**127.000** 5.0000	
895 Series											892-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION 892CD : GROOVE IN OD CENTER HOLES IN OD CENTER
896	**136.525** 5.3750	**57.150** 2.2500	**3.5** .14	**5.91 kg** 13.04 lb	***892-B**	**228.600** 9.0000	**44.450** 1.7500	**3.3** .13	**3.42 kg** 7.55 lb	**22.225** .8750	
898	**139.700** 5.5000	**57.150** 2.2500	**3.5** .14	**5.60 kg** 12.36 lb	**892**	**228.600** 9.0000	**44.450** 1.7500	**3.3** .13	**3.07 kg** 6.76 lb	**57.150** 2.2500	
898A	**139.700** 5.5000	**57.150** 2.2500	**6.4** .25	**5.55 kg** 12.25 lb	***892CD**	**228.600** 9.0000	**98.425** 3.8750	**1.5** .06	**6.76 kg** 14.90 lb	**123.825** 4.8750	
899	**139.700** 5.5000	**58.738** 2.3125	**3.5** .14	**5.60 kg** 12.34 lb							
935 Series											935A: SPECIAL BACKFACE RADIUS
***935A**	**109.100** 4.2953	**74.000** 2.9134	**spcl.** spcl.	**6.41 kg** 14.14 lb	**930**	**206.375** 8.1250	**53.975** 2.1250	**3.3** .13	**3.18 kg** 7.00 lb	**66.675** 2.6250	936W: KEYWAY IN ID
***937XA**	**109.900** 4.3268	**74.000** 2.9134	**spcl.** spcl.	**6.33 kg** 13.96 lb	**932**	**212.725** 8.3750	**53.975** 2.1250	**3.3** .13	**4.07 kg** 8.98 lb	**66.675** 2.6250	937XA: SPECIAL BACKFACE RADIUS
					***932-B**	**212.725** 8.3750	**53.975** 2.1250	**3.3** .13	**4.44 kg** 9.78 lb	**23.812** .9375	932-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
					933	**210.000** 8.2677	**53.975** 2.1250	**3.3** .13	**3.72 kg** 8.19 lb	**67.000** 2.6378	932CD: GROOVE IN OD CENTER HOLES IN OD CENTER
936	**107.950** 4.2500	**66.675** 2.6250	**8.0** .31	**6.34 kg** 13.97 lb	**930**	**206.375** 8.1250	**53.975** 2.1250	**3.3** .13	**3.18 kg** 7.00 lb	**66.675** 2.6250	
***936W**	**107.950** 4.2500	**66.675** 2.6250	**8.0** .31	**6.21 kg** 13.68 lb	**932**	**212.725** 8.3750	**53.975** 2.1250	**3.3** .13	**4.07 kg** 8.98 lb	**66.675** 2.6250	
938	**114.300** 4.5000	**66.675** 2.6250	**7.0** .28	**5.77 kg** 12.73 lb	***932-B**	**212.725** 8.3750	**53.975** 2.1250	**3.3** .13	**4.44 kg** 9.78 lb	**23.812** .9375	
938-SW	**114.300** 4.5000	**66.675** 2.6250	**7.0** .28	**6.00 kg** 13.24 lb	***932CD**	**212.725** 8.3750	**117.475** 4.6250	**1.5** .06	**8.60 kg** 18.97 lb	**142.875** 5.6250	
938A	**114.300** 4.5000	**66.675** 2.6250	**3.2** .13	**5.82 kg** 12.82 lb	**933**	**210.000** 8.2677	**53.975** 2.1250	**3.3** .13	**3.72 kg** 8.19 lb	**67.000** 2.6378	
941	**101.600** 4.0000	**66.675** 2.6250	**7.0** .28	**6.90 kg** 15.22 lb							
942	**110.000** 4.3307	**66.675** 2.6250	**6.4** .25	**6.18 kg** 13.63 lb							
943	**98.425** 3.8750	**66.675** 2.6250	**3.5** .14	**7.21 kg** 15.90 lb							
944A	**99.974** 3.9360	**66.675** 2.6250	**3.5** .14	**7.09 kg** 15.62 lb							
94	**111.918** 4.4062	**66.675** 2.6250	**13.5** .53	**5.80 kg** 12.78 lb							
NA938	**114.300** 4.5000	**71.438** 2.8125	**3.5** .14	**11.87 kg** 26.18 lb	***932CD**	**212.725** 8.3750	**117.475** 4.6250	**1.5** .06	**8.60 kg** 18.97 lb	**142.875** 5.6250	
NA938A	**114.300** 4.5000	**71.438** 2.8125	**3.5** .14	**11.88 kg** 26.19 lb							
946D	**107.950** 4.2500	**152.400** 6.0000	**3.3** .13	**16.26 kg** 35.85 lb	**930**	**206.375** 8.1250	**53.975** 2.1250	**3.3** .13	**3.18 kg** 7.00 lb	**142.875** 5.6250	
					932	**212.725** 8.3750	**53.975** 2.1250	**3.3** .13	**4.07 kg** 8.98 lb	**142.875** 5.6250	
					933	**210.000** 8.2677	**53.975** 2.1250	**3.3** .13	**3.72 kg** 8.19 lb	**143.525** 5.6506	

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

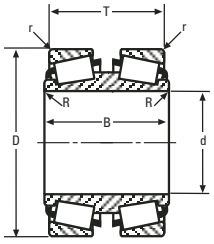
1100 SERIES CONTINUED ON NEXT PAGE



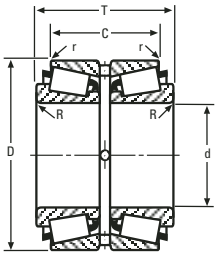
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
1100 Series											
1163X	**14.288** .5625	**22.555** .8880	**1.5** .06	**.12 kg** .26 lb	**1120NI**	**44.450** 1.7500	**14.288** .5625	**1.5** .06	**.05 kg** .10 lb	**20.637** .8125	
1178X	**15.875** .6250	**22.555** .8880	**1.5** .06	**.11 kg** .25 lb	**1130**	**44.450** 1.7500	**15.875** .6250	**.8** .03	**.05 kg** .12 lb	**21.875** .8612	
					1130NI	**44.450** 1.7500	**14.288** .5625	**.5** .02	**.05 kg** .10 lb	**20.637** .8125	
1200 Series											
1280	**22.225** .8750	**22.225** .8750	**.8** .03	**.18 kg** .40 lb	**1220**	**57.150** 2.2500	**17.462** .6875	**1.5** .06	**.10 kg** .23 lb	**22.225** .8750	
1300 Series											1380V: MADE FROM VACUUM MELT STEEL
1380	**22.225** .8750	**20.168** .7940	**1.5** .06	**.14 kg** .30 lb	**1328**	**52.388** 2.0625	**14.288** .5625	**1.5** .06	**.07 kg** .15 lb	**19.367** .7625	1328-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
1380H	**22.225** .8750	**20.168** .7940	**1.5** .06	**.14 kg** .30 lb	***1328-B**	**52.388** 2.0625	**14.288** .5625	**1.5** .06	**.08 kg** .17 lb	**9.042** .3560	
***1380V**	**22.225** .8750	**20.168** .7940	**1.5** .06	**.14 kg** .30 lb	***1328V**	**52.388** 2.0625	**14.288** .5625	**1.5** .06	**.07 kg** .15 lb	**19.367** .7625	1328V: MADE FROM VACUUM MELT STEEL
					328X	**52.388** 2.0625	**14.288** .5625	**1.5** .06	**.07 kg** .15 lb	**19.367** .7625	
					1329	**53.975** 2.1250	**14.288** .5625	**1.5** .06	**.08 kg** .18 lb	**19.367** .7625	
					1330	**50.800** 2.0000	**15.875** .6250	**1.5** .06	**.06 kg** .13 lb	**20.002** .7875	
					1331	**56.896** 2.2400	**14.288** .5625	**.8** .03	**.11 kg** .24 lb	**19.367** .7625	
1351	**19.050** .7500	**23.978** .9440	**2.8** .11	**.17 kg** .38 lb	1351 may be paired with all single cups corresponding to 1380 and will require 3.810 mm (.1500 in) to be added to the T-width values.						
1500 Series											1551: BACKFACE CHAMFER SPECIAL FRONTFACE RADIUS
***1551**	**20.638** .8125	**26.010** 1.0240	**.3** .01	**.10 kg** .23 lb	**1530**	**45.784** 1.8025	**15.875** .6250	**.8** .03	**.05 kg** .11 lb	**26.193** 1.0312	
1600 Series											
1674	**31.623** 1.2450	**20.638** .8125	**1.5** .06	**.21 kg** .46 lb	**1620**	**66.675** 2.6250	**15.875** .6250	**1.5** .06	**.12 kg** .26 lb	**20.638** .8125	
1680	**33.338** 1.3125	**20.638** .8125	**3.5** .14	**.19 kg** .42 lb							
1700 Series											1784A: FRONTFACE CHAMFER
1755	**22.225** .8750	**19.837** .7810	**1.3** .05	**-** -	***BB-1217**	**56.896** 2.2400	**15.875** .6250	**spcl.** spcl.	**-** -	**19.368** .7625	BB-1217: SPECIAL RADIUS ON BACKFACE OD SPECIAL RADIUS ON FRONTFACE OD
1774	**19.004** .7482	**19.837** .7810	**1.5** .06	**-** -	**1729**	**56.896** 2.2400	**15.875** .6250	**1.3** .05	**.10 kg** .22 lb	**19.368** .7625	
1775	**19.050** .7500	**19.837** .7810	**1.5** .06	**-** -	***1729-B**	**56.896** 2.2400	**15.875** .6250	**.8** .03	**.11 kg** .25 lb	**7.455** .2935	1729-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
1778	**20.627** .8121	**19.837** .7810	**.8** .03	**-** -	**1729X**	**56.896** 2.2400	**15.875** .6250	**1.5** .06	**.10 kg** .22 lb	**19.368** .7625	
1779	**23.812** .9375	**19.837** .7810	**.8** .03	**-** -	**1730**	**53.975** 2.1250	**15.875** .6250	**.8** .03	**.07 kg** .15 lb	**19.368** .7625	
1780	**25.400** 1.0000	**19.837** .7810	**.8** .03	**-** -	**1738X**	**57.150** 2.2500	**17.551** .6910	**2.3** .09	**.11 kg** .25 lb	**20.218** .7960	
***1784A**	**21.422** .8434	**19.837** .7810	**1.5** .06	**-** -							
1751	**23.812** .9375	**24.282** .9560	**.8** .03	**-** -	1751 may be paired with all single cups corresponding to 1755 and will require 4.445 mm (.1750 in) to be added to the T-width values.						
1900 Series											1922-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
1975	**22.225** .8750	**19.355** .7620	**.8** .03	**.18 kg** .40 lb	**1920**	**56.896** 2.2400	**15.875** .6250	**3.3** .13	**.07 kg** .15 lb	**19.845** .7813	1931-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
1984W	**28.575** 1.1250	**19.355** .7620	**.8** .03	**.14 kg** .30 lb	***1922-B**	**57.150** 2.2500	**15.875** .6250	**1.5** .06	**.09 kg** .19 lb	**7.937** .3125	
1985	**28.575** 1.1250	**19.355** .7620	**.8** .03	**.15 kg** .32 lb	**1922**	**57.150** 2.2500	**15.875** .6250	**1.5** .06	**.08 kg** .17 lb	**19.845** .7813	1932-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
1986	**25.400** 1.0000	**19.355** .7620	**1.3** .05	**.17 kg** .36 lb	**1929**	**60.325** 2.3750	**15.080** .5937	**1.5** .06	**.10 kg** .23 lb	**19.050** .7500	

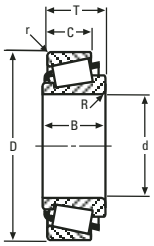
1900 SERIES CONTINUED ON NEXT PAGE

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

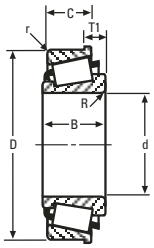
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	r ¨	Weight	WIDTH T	
1900 Series (cont)											
1986W	**25.400** 1.0000	**19.355** .7620	**.8** .03	**.16 kg** .35 lb	**1930**	**56.896** 2.2400	**15.875** .6250	**.8** .03	**.07 kg** .16 lb	**19.845** .7813	
1987	**26.975** 1.0620	**19.355** .7620	**.8** .03	**.16 kg** .34 lb	***1931-B**	**60.325** 2.3750	**15.875** .6250	**.8** .03	**.12 kg** .27 lb	**7.937** .3125	
1988	**28.575** 1.1250	**19.355** .7620	**3.5** .14	**.14 kg** .31 lb	**1931**	**60.325** 2.3750	**15.875** .6250	**1.3** .05	**.11 kg** .25 lb	**19.845** .7813	
1994X	**25.400** 1.0000	**19.355** .7620	**3.5** .14	**.16 kg** .36 lb	***1932-B**	**58.738** 2.3125	**15.080** .5937	**1.3** .05	**.10 kg** .22 lb	**7.937** .3125	
1997X	**26.988** 1.0625	**19.355** .7620	**3.3** .13	**.15 kg** .33 lb	**1932**	**58.738** 2.3125	**15.080** .5937	**1.3** .05	**.09 kg** .19 lb	**19.050** .7500	
1990X	**23.812** .9375	**21.336** .8400	**3.5** .14	**.19 kg** .41 lb	1990X may be paired with all single cups corresponding to 1975 and will require 1.981 mm (.0780 in) to be added to the T-width values.						
A2000 Series											A2043: FRONTFACE CHAMFER SLOTS IN FRONTFACE NON-ADJUSTABLE CONE
A2031	**7.938** .3125	**10.785** .4246	**.5** .02	**.03 kg** .07 lb	***A2120D**	**30.480** 1.2000	**21.260** .8370	**-** -	**.04 kg** .08 lb	**25.400** 1.0000	
A2037	**9.525** .3750	**10.785** .4246	**1.3** .05	**.03 kg** .06 lb	**A2126**	**31.991** 1.2595	**7.938** .3125	**1.3** .05	**.02 kg** .04 lb	**10.008** .3940	A2120D : CHAMFER ON LEFTFACE OD CHAMFER ON RIGHTFACE OD GROOVE IN OD CENTER HOLES IN OD CENTER
A2037A	**9.525** .3750	**10.785** .4246	**1.3** .05	**-** -	***A2126-B**	**31.991** 1.2595	**7.938** .3125	**spcl.** spcl.	**.02 kg** .05 lb	**4.458** .1755	
A2047	**11.986** .4719	**10.785** .4246	**.8** .03	**.03 kg** .06 lb	***A2126DB**	**31.991** 1.2595	**20.447** .8050	**spcl.** spcl.	**.02 kg** .05 lb	**24.581** .9678	A2126-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION SPECIAL RADIUS ON BACKFACE OD
A2047A	**11.986** .4719	**10.785** .4246	**.8** .03	**-** -	***A2127**	**31.991** 1.2595	**9.538** .3755	**1.3** .05	**.02 kg** .04 lb	**10.567** .4160	
***A2043**	**11.112** .4375	**14.351** .5650	**.8** .03	**.03 kg** .07 lb	***A2120D**	**30.480** 1.2000	**21.260** .8370	**-** -	**.04 kg** .08 lb	**29.306** 1.1538	A2126DB : FLANGE ON OD CENTER HOLES IN CENTER FLANGE SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
					K103256	**38.100** 1.5000	**26.988** 1.0625	**1.3** .05	**.12 kg** .27 lb	**28.578** 1.1251	
					***K312469**	**40.005** 1.5750	**26.988** 1.0625	**1.3** .05	**.15 kg** .34 lb	**28.578** 1.1251	A2127 : SHOULDER ON ID FRONTFACE K312469: BROKEN CORNER ON LEFTFACE OD FLANGE ON OD LEFTFACE
2300 Series											
2380	**22.225** .8750	**24.765** .9750	**.8** .03	**.21 kg** .47 lb	**2320**	**56.896** 2.2400	**20.638** .8125	**3.3** .13	**.09 kg** .20 lb	**23.812** .9375	
2381	**23.812** .9375	**24.765** .9750	**2.3** .09	**.20 kg** .44 lb	**2330**	**56.896** 2.2400	**20.638** .8125	**.8** .03	**.10 kg** .21 lb	**23.812** .9375	
2382	**25.400** 1.0000	**24.765** .9750	**.8** .03	**.19 kg** .42 lb							
2356	**25.400** 1.0000	**34.290** 1.3500	**3.5** .14	**.24 kg** .53 lb	2356 may be paired with all single cups corresponding to 2380 and will require 9.525 mm (.3750 in) to be added to the T-width values.						
2400 Series											
2473	**25.400** 1.0000	**23.812** .9375	**.8** .03	**.30 kg** .65 lb	**2420**	**68.262** 2.6875	**17.462** .6875	**1.5** .06	**.14 kg** .31 lb	**22.225** .8750	
2473X	**25.400** 1.0000	**23.812** .9375	**2.3** .09	**.29 kg** .65 lb							
2474	**28.575** 1.1250	**23.812** .9375	**.8** .03	**.27 kg** .60 lb							
2475	**31.750** 1.2500	**23.812** .9375	**3.5** .14	**.24 kg** .52 lb							
2500 Series											2553: EXTENDED LARGE RIB
2558	**30.162** 1.1875	**25.357** .9983	**2.3** .09	**.30 kg** .66 lb	**2520**	**66.421** 2.6150	**20.638** .8125	**3.3** .13	**.12 kg** .26 lb	**25.400** 1.0000	2554: EXTENDED LARGE RIB
2559	**30.162** 1.1875	**25.357** .9983	**.8** .03	**.30 kg** .66 lb	**2520A**	**66.421** 2.6150	**20.638** .8125	**1.5** .06	**.13 kg** .28 lb	**25.400** 1.0000	2557T: EXTENDED LARGE RIB TAPERED BORE
2560X	**30.000** 1.1811	**25.357** .9983	**2.0** .08	**.30 kg** .66 lb	**2522X**	**66.675** 2.6250	**20.638** .8125	**3.3** .13	**.12 kg** .27 lb	**25.400** 1.0000	
2561X	**30.213** 1.1895	**24.714** .9730	**2.3** .09	**.29 kg** .65 lb	**2523**	**69.850** 2.7500	**19.050** .7500	**1.3** .05	**.17 kg** .37 lb	**23.813** .9375	2581T: TAPERED BORE
2578	**28.575** 1.1250	**25.357** .9983	**2.3** .09	**.31 kg** .69 lb	***2523-B**	**69.850** 2.7500	**19.050** .7500	**1.5** .06	**.18 kg** .40 lb	**8.725** .3435	2583T: TAPERED BORE

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

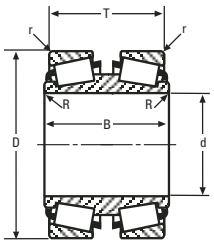
2500 SERIES CONTINUED ON NEXT PAGE



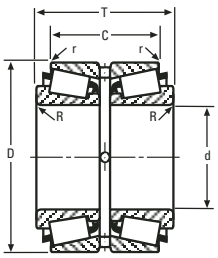
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	Weight	BEARING WIDTH T	Remarks
2500 Series (cont)											2584: EXTENDED LARGE RIB
2580	**31.750**	**25.357**	**.8**	**.28 kg**	***2523D**	**69.850**	**57.150**	**.8**	**.57 kg**	**66.675**	
	1.2500	.9983	.03	.63 lb		2.7500	2.2500	.03	1.25 lb	2.6250	2523-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
2580A	**31.750**	**25.357**	**1.3**	**.28 kg**	**2523-S**	**69.850**	**19.050**	**1.5**	**.17 kg**	**23.813**	
	1.2500	.9983	.05	.63 lb		2.7500	.7500	.06	.37 lb	.9375	
2580W	**31.750**	**25.357**	**.8**	**.28 kg**	**2524YD**	**69.850**	**57.150**	**.8**	**.57 kg**	**66.675**	2523D: GROOVE IN OD CENTER HOLES IN OD CENTER
	1.2500	.9983	.03	.62 lb		2.7500	2.2500	.03	1.25 lb	2.6250	
2581	**33.338**	**25.357**	**.8**	**.27 kg**	**2525**	**72.022**	**19.050**	**.8**	**.20 kg**	**23.813**	
	1.3125	.9983	.03	.59 lb		2.8355	.7500	.03	.45 lb	.9375	
***2581T**	**33.338**	**25.357**	**.8**	**.28 kg**	**2526X**	**72.000**	**19.050**	**2.0**	**.20 kg**	**23.813**	
	1.3125	.9983	.03	.61 lb		2.8346	.7500	.08	.45 lb	.9375	
2582	**31.750**	**25.357**	**3.5**	**.28 kg**	**2530**	**66.421**	**20.638**	**.8**	**.13 kg**	**25.400**	
	1.2500	.9983	.14	.62 lb		2.6150	.8125	.03	.28 lb	1.0000	
***2583T**	**30.162**	**25.357**	**1.5**	**.29 kg**							
	1.1875	.9983	.06	.65 lb							
2585	**33.338**	**25.357**	**3.5**	**.26 kg**							
	1.3125	.9983	.14	.58 lb							
2586	**30.000**	**25.357**	**3.5**	**.30 kg**							
	1.1811	.9983	.14	.65 lb							
***2553**	**31.750**	**30.912**	**3.5**	**.33 kg**	2553 and grouped cones may be paired with all single cups corresponding to 2558 and will require 5.555 mm (.2187 in) to be added to the T-width values.						
	1.2500	1.2170	.14	.72 lb							
***2554**	**33.338**	**30.912**	**3.5**	**.31 kg**	2553 and grouped cones may be paired with all double cups corresponding to 2558 and will require 11.110 mm (.4374 in) to be added to the T-width values.						
	1.3125	1.2170	.14	.67 lb							
***2557T**	**30.955**	**30.912**	**3.4**	**.33 kg**							
	1.2187	1.2170	.13	.72 lb							
***2584**	**32.532**	**26.944**	**5.0**	**.28 kg**	2584 may be paired with all single cups corresponding to 2558 and will require 1.588 mm (.0625 in) to be added to the T-width values.						
	1.2808	1.0608	.20	.61 lb	2584 may be paired with all double cups corresponding to 2558 and will require 3.175 mm (.1250 in) to be added to the T-width values.						
2600 Series											2683: FRONTFACE CHAMFER
2681	**27.200**	**25.433**	**.3**	**.26 kg**	**2620**	**63.100**	**19.050**	**3.3**	**.11 kg**	**23.812**	
	1.0709	1.0013	.01	.58 lb		2.4843	.7500	.13	.23 lb	.9375	2688T: TAPERED BORE
2682	**26.162**	**25.433**	**1.5**	**.27 kg**	**2630**	**63.100**	**19.050**	**.8**	**.11 kg**	**23.812**	2631-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
	1.0300	1.0013	.06	.60 lb		2.4843	.7500	.03	.25 lb	.9375	SPECIAL RADIUS ON BACKFACE OD
***2683**	**23.812**	**25.433**	**.8**	**.29 kg**	***2631-B**	**66.421**	**19.050**	**.8**	**.17 kg**	**8.725**	
	.9375	1.0013	.03	.63 lb		2.6150	.7500	.03	.38 lb	.3435	
2684	**22.225**	**25.433**	**1.5**	**.30 kg**	**2631**	**66.421**	**19.050**	**1.3**	**.16 kg**	**23.812**	2632DB : FLANGE ON OD CENTER KEYWAY IN OD SURFACE
	.8750	1.0013	.06	.66 lb		2.6150	.7500	.05	.36 lb	.9375	SPECIAL RADIUS ON LEFT FACE OD
2685	**23.812**	**25.433**	**.8**	**.29 kg**	***2632DB**	**63.500**	**60.325**	**.8**	**.62 kg**	**69.849**	
	.9375	1.0013	.03	.64 lb		2.5000	2.3750	.03	1.37 lb	2.7500	SPECIAL RADIUS ON RIGHTFACE OD
2687	**25.400**	**25.433**	**1.3**	**.28 kg**	**2633X**	**62.000**	**19.050**	**3.0**	**.09 kg**	**23.812**	
	1.0000	1.0013	.05	.61 lb		2.4409	.7500	.12	.20 lb	.9375	
2688	**26.988**	**25.433**	**1.5**	**.26 kg**							
	1.0625	1.0013	.06	.58 lb							
***2688T**	**26.988**	**25.433**	**1.5**	**.26 kg**							
	1.0625	1.0013	.06	.58 lb							
2689	**28.575**	**25.433**	**1.3**	**.25 kg**							
	1.1250	1.0013	.05	.55 lb							
2689A	**28.575**	**24.790**	**1.3**	**.25 kg**							
	1.1250	.9760	.05	.55 lb							
2690	**29.367**	**25.433**	**3.5**	**.24 kg**							
	1.1562	1.0013	.14	.53 lb							
2691	**29.367**	**25.433**	**.8**	**.24 kg**							
	1.1562	1.0013	.03	.54 lb							
2700 Series											2787T: TAPERED BORE
2775	**34.976**	**25.654**	**1.5**	**-**	***2720-B**	**76.200**	**19.050**	**3.3**	**.23 kg**	**11.112**	
	1.3770	1.0100	.06	-		3.0000	.7500	.13	.51 lb	.4375	2798T: TAPERED BORE
2776	**38.100**	**25.654**	**4.3**	**-**	**2720**	**76.200**	**19.050**	**3.3**	**.18 kg**	**23.775**	
	1.5000	1.0100	.17	-		3.0000	.7500	.13	.40 lb	.9360	2720-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
2777	**38.100**	**25.654**	**5.5**	**-**	**2726**	**73.025**	**19.050**	**3.3**	**.13 kg**	**23.775**	
	1.5000	1.0100	.22	-		2.8750	.7500	.13	.28 lb	.9360	

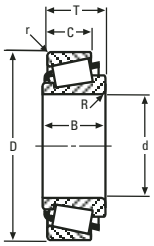
2700 SERIES CONTINUED ON NEXT PAGE

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

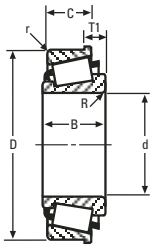
CONE					CUP					BEARING	Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	Max Hs'ng Fillet Radii r ¨	Weight	WIDTH T	
2700 Series (cont)											
2780	**36.487** 1.4365	**25.654** 1.0100	**1.5** .06	**-** -	**2729X**	**76.200** 3.0000	**19.050** .7500	**1.5** .06	**.19 kg** .41 lb	**23.775** .9360	
2783	**31.750** 1.2500	**25.654** 1.0100	**1.5** .06	**-** -	**2729**	**76.200** 3.0000	**19.050** .7500	**.8** .03	**.19 kg** .42 lb	**23.775** .9360	
2785	**33.338** 1.3125	**25.654** 1.0100	**3.5** .14	**-** -	**2731**	**79.375** 3.1250	**19.050** .7500	**3.3** .13	**.24 kg** .52 lb	**23.775** .9360	
2785W	**33.338** 1.3125	**25.654** 1.0100	**3.5** .14	**-** -	**2732**	**79.375** 3.1250	**24.608** .9688	**.8** .03	**.34 kg** .75 lb	**29.333** 1.1548	
2786	**34.925** 1.3750	**25.654** 1.0100	**5.0** .20	**-** -	**2733**	**75.260** 2.9630	**19.050** .7500	**3.3** .13	**.16 kg** .36 lb	**23.775** .9360	
***2787T**	**34.925** 1.3750	**25.654** 1.0100	**1.5** .06	**-** -	**2734**	**79.375** 3.1250	**20.638** .8125	**3.3** .13	**.26 kg** .58 lb	**25.363** .9985	
2788	**38.100** 1.5000	**25.654** 1.0100	**3.5** .14	**-** -	**2735X**	**73.025** 2.8750	**19.050** .7500	**.8** .03	**.13 kg** .29 lb	**23.775** .9360	
2788A	**38.100** 1.5000	**25.654** 1.0100	**1.5** .06	**-** -	**2736**	**74.612** 2.9375	**19.050** .7500	**.8** .03	**.16 kg** .36 lb	**23.775** .9360	
2788W	**38.100** 1.5000	**25.654** 1.0100	**3.5** .14	**-** -							
2789	**39.688** 1.5625	**25.654** 1.0100	**3.5** .14	**-** -							
2790	**33.338** 1.3125	**25.654** 1.0100	**1.5** .06	**-** -							
2791A	**35.707** 1.4058	**25.654** 1.0100	**1.5** .06	**-** -							
2793	**34.925** 1.3750	**25.654** 1.0100	**.8** .03	**-** -							
2794	**36.487** 1.4365	**25.654** 1.0100	**3.5** .14	**-** -							
2796	**34.925** 1.3750	**25.654** 1.0100	**3.5** .14	**-** -							
***2798T**	**37.732** 1.4855	**25.654** 1.0100	**1.5** .06	**-** -							
2799W	**38.100** 1.5000	**25.654** 1.0100	**3.5** .14	**-** -							
2800 Series											
2875	**31.750** 1.2500	**23.812** .9375	**3.5** .14	**.32 kg** .70 lb	**2820**	**73.025** 2.8750	**17.462** .6875	**3.3** .13	**.14 kg** .32 lb	**22.225** .8750	
2876	**33.338** 1.3125	**23.812** .9375	**3.5** .14	**.30 kg** .66 lb	**2821**	**73.025** 2.8750	**17.462** .6875	**.8** .03	**.15 kg** .34 lb	**22.225** .8750	
2877	**34.925** 1.3750	**23.812** .9375	**3.5** .14	**.29 kg** .63 lb							
2878	**34.925** 1.3750	**23.812** .9375	**.8** .03	**.29 kg** .64 lb							
2879	**31.750** 1.2500	**23.812** .9375	**.8** .03	**.32 kg** .71 lb							
2880	**35.306** 1.3900	**23.812** .9375	**3.5** .14	**.28 kg** .62 lb							
2900 Series											2924-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION SPECIAL RADIUS ON BACKFACE OD
2973	**42.862** 1.6875	**25.608** 1.0082	**3.5** .14	**.44 kg** .97 lb	***2924-B**	**85.000** 3.3465	**20.638** .8125	**1.3** .05	**.26 kg** .58 lb	**9.525** .3750	
2975	**44.450** 1.7500	**25.608** 1.0082	**3.5** .14	**.42 kg** .92 lb	**2924**	**85.000** 3.3465	**20.638** .8125	**1.3** .05	**.22 kg** .48 lb	**25.400** 1.0000	
2984	**46.038** 1.8125	**25.608** 1.0082	**3.5** .14	**.39 kg** .87 lb	**2925**	**87.312** 3.4375	**22.225** .8750	**2.3** .09	**.29 kg** .65 lb	**26.987** 1.0625	
2984A	**46.038** 1.8125	**25.608** 1.0082	**.8** .03	**.40 kg** .88 lb							
A3000 Series											
A3044	SEE MULTI-ROW STEERING GEAR BEARING SECTION										
A3045											
JRM3000 Series											
JRM3049	**30.000** 1.1811	**19.5072** .768	**2.54** .1	**-** -	**JRM3010XDA**	SEE UNIPAC BEARING SECTION					

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

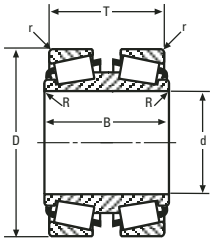
3100 SERIES CONTINUED ON NEXT PAGE



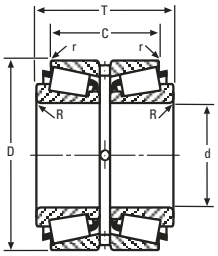
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

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

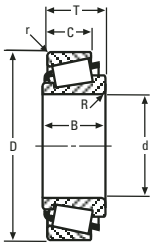
3400 SERIES CONTINUED ON NEXT PAGE

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

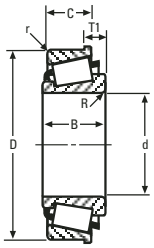
CONE					CUP					BEARING	Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	Max Hs'ng Fillet Radii r ¨	Weight	WIDTH T	
3400 Series (cont)											
***3476-SW**	**31.750** 1.2500	**29.771** 1.1721	**1.3** .05	**.49 kg** 1.09 lb	**3422**	**80.167** 3.1562	**23.812** .9375	**3.3** .13	**.27 kg** .60 lb	**29.370** 1.1563	3479X: FRONTFACE CHAMFER
***3476X**	**31.750** 1.2500	**29.771** 1.1721	**1.5** .06	**.49 kg** 1.08 lb	***3423D**	**82.550** 3.2500	**55.562** 2.1875	**.8** .03	**.82 kg** 1.81 lb	**66.678** 2.6251	3490: FRONTFACE CHAMFER 3420-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
3477	**33.338** 1.3125	**29.771** 1.1721	**3.5** .14	**.47 kg** 1.03 lb	***3424YD**	**82.550** 3.2500	**55.562** 2.1875	**.8** .03	**.82 kg** 1.81 lb	**66.678** 2.6251	
***3478**	**34.925** 1.3750	**29.771** 1.1721	**3.5** .14	**.45 kg** .99 lb	**3426**	**79.324** 3.1230	**23.812** .9375	**3.3** .13	**.25 kg** .55 lb	**29.370** 1.1563	SPECIAL RADIUS ON BACKFACE OD SPECIAL RADIUS ON FRONTFACE OD
3479	**36.512** 1.4375	**29.771** 1.1721	**.8** .03	**.43 kg** .95 lb	**3431**	**82.550** 3.2500	**23.812** .9375	**3.3** .13	**.33 kg** .72 lb	**29.370** 1.1563	3423D : GROOVE IN OD CENTER HOLES IN OD CENTER
***3479X**	**36.512** 1.4375	**29.771** 1.1721	**3.5** .14	**.43 kg** .94 lb							
3480	**35.000** 1.3780	**29.771** 1.1721	**1.5** .06	**.45 kg** .99 lb							3424YD : HOLES IN OD CENTER
3482	**34.925** 1.3750	**29.771** 1.1721	**.8** .03	**.45 kg** 1.00 lb							
3483	**33.338** 1.3125	**29.771** 1.1721	**.8** .03	**.47 kg** 1.04 lb							
***3490**	**38.100** 1.5000	**29.771** 1.1721	**3.5** .14	**.40 kg** .89 lb							
JRM3400 Series											
JRM3449	**34.000** 1.3386	**19.5072** 0.768	**2.54** 0.1	- -	**JRM3410XD**	SEE UNIPAC BEARING SECTION					
3500 Series											3575T TAPERED BORE
***3575T**	**39.688** 1.5625	**30.886** 1.2160	**1.5** .06	**.56 kg** 1.23 lb	**3520**	**84.138** 3.3125	**23.812** .9375	**3.3** .13	**.22 kg** .48 lb	**30.163** 1.1875	3586V: MADE FROM VACUUM MELT STEEL
3576	**41.275** 1.6250	**30.886** 1.2160	**.8** .03	**.53 kg** 1.17 lb	***3520V**	**84.138** 3.3125	**23.812** .9375	**3.3** .13	**.22 kg** .48 lb	**30.163** 1.1875	3520V: MADE FROM VACUUM MELT STEEL
3577	**41.275** 1.6250	**30.886** 1.2160	**3.5** .14	**.53 kg** 1.16 lb	**3521**	**86.284** 3.3970	**23.812** .9375	**3.3** .13	**.27 kg** .60 lb	**30.163** 1.1875	3525-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
3578	**44.450** 1.7500	**30.886** 1.2160	**3.5** .14	**.47 kg** 1.05 lb	**3525**	**87.312** 3.4375	**23.812** .9375	**3.3** .13	**.30 kg** .65 lb	**30.163** 1.1875	SPECIAL RADIUS ON BACKFACE OD
3578A	**44.450** 1.7500	**30.886** 1.2160	**5.5** .22	**.46 kg** 1.02 lb	***3525-B**	**87.312** 3.4375	**23.812** .9375	**spcl.** spcl.	**.33 kg** .72 lb	**11.100** .4370	SPECIAL RADIUS ON FRONTFACE OD
3578AA	**44.450** 1.7500	**30.886** 1.2160	**.5** .02	**.48 kg** 1.06 lb	**3526**	**87.312** 3.4375	**23.812** .9375	**.8** .03	**.31 kg** .68 lb	**30.163** 1.1875	
3579	**42.862** 1.6875	**30.886** 1.2160	**3.5** .14	**.50 kg** 1.10 lb	**3530**	**84.138** 3.3125	**23.812** .9375	**.8** .03	**.23 kg** .50 lb	**30.163** 1.1875	
3580	**38.100** 1.5000	**30.886** 1.2160	**1.5** .06	**.58 kg** 1.28 lb							
3581	**34.925** 1.3750	**30.886** 1.2160	**3.5** .14	**.62 kg** 1.36 lb							
3582	**40.000** 1.5748	**30.886** 1.2160	**3.5** .14	**.55 kg** 1.20 lb							
3583	**38.100** 1.5000	**30.886** 1.2160	**3.5** .14	**.57 kg** 1.27 lb							
3585	**41.275** 1.6250	**30.886** 1.2160	**1.5** .06	**.53 kg** 1.17 lb							
3586	**45.237** 1.7810	**30.886** 1.2160	**3.5** .14	**.46 kg** 1.02 lb							
***3586V**	**45.237** 1.7810	**30.886** 1.2160	**3.5** .14	**.46 kg** 1.02 lb							
JRM3500 Series											
JRM3534	**34.000** 1.3386	**18.500** 0.7284	**N/A** N/A	- -	JRM3564XD	SEE UNIPAC BEARING SECTION					
JRM3535	**35.000** 1.3780	**18.500** 0.7284	**3.5** 0.14	- -							
JRM3535H	**35.000** 1.3780	**18.500** 0.7284	**3.5** 0.14	- -							
JRM3535X	**35.000** 1.3780	**18.500** 0.7284	**3.5** 0.14	- -							
JRM3535XA	**35.000** 1.3780	**18.500** 0.7284	**3.5** 0.14	- -							
JRM3536	**35.000** 1.3780	**18.500** 0.7284	**3.5** 0.14	- -							

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

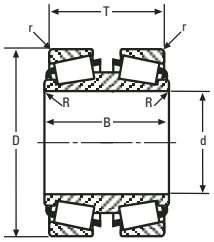
JRM3500 SERIES CONTINUED ON NEXT PAGE



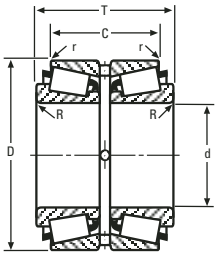
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	Weight	BEARING WIDTH T	Remarks
JRM3500 Series (cont)											
JRM3535A	**35.000** 1.3780	**17.500** .6890	**1.8** .07	**-** -	**JRM3565XD**	SEE UNIPAC BEARING SECTION					
JS-3500 Series											
†JS-3549A	**35.000** 1.3780	**23.500** .9252	**2.0** .08	**.26 kg** .58 lb	**†JS-3510**	**70.000** 2.7559	**19.000** .7480	**1.5** .06	**.16 kg** .34 lb	**24.000** .9449	
3600 Series											3655: BROKEN BACKFACE ID
3659	**23.812** .9375	**30.416** 1.1975	**2.3** .09	**.29 kg** .65 lb	***3620-B**	**61.912** 2.4375	**23.812** .9375	**3.3** .13	**.17 kg** .37 lb	**9.525** .3750	3620-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
3660	**20.638** .8125	**30.416** 1.1975	**2.3** .09	**.32 kg** .71 lb	**3620**	**61.912** 2.4375	**23.812** .9375	**3.3** .13	**.15 kg** .32 lb	**28.575** 1.1250	SPECIAL RADIUS ON BACKFACE OD SPECIAL RADIUS ON FRONTFACE OD
***3655**	**22.225** .8750	**38.354** 1.5100	**.3** .01	**.37 kg** .81 lb	3655 may be paired with all single cups corresponding to 3659 and will require 7.938 mm (.3125 in) to be added to the T-width values.						
3700 Series											3750T: EXTENDED LARGE RIB TAPERED BORE
3767	**52.388** 2.0625	**30.302** 1.1930	**2.3** .09	**.53 kg** 1.18 lb	**373**	**100.000** 3.9370	**25.000** .9842	**2.0** .08	**.47 kg** 1.05 lb	**28.173** 1.1092	
3767A	**52.388** 2.0625	**30.302** 1.1930	**2.3** .09	**.53 kg** 1.17 lb	**3720**	**93.264** 3.6718	**23.812** .9375	**3.3** .13	**.28 kg** .62 lb	**30.163** 1.1875	3751: BROKEN BACKFACE ID EXTENDED LARGE RIB
3767AA	**52.388** 2.0625	**30.302** 1.1930	**4.5** .18	**.54 kg** 1.19 lb	***3720-B**	**93.264** 3.6718	**23.812** .9375	**3.3** .13	**.32 kg** .70 lb	**11.112** .4375	3753: BROKEN BACKFACE ID
3767W	**52.388** 2.0625	**30.302** 1.1930	**2.3** .09	**.53 kg** 1.16 lb	***3720V**	**93.264** 3.6718	**23.812** .9375	**3.3** .13	**.28 kg** .62 lb	**30.163** 1.1875	EXTENDED LARGE RIB
3774	**39.688** 1.5625	**30.302** 1.1930	**3.5** .14	**.75 kg** 1.65 lb	**3726**	**95.250** 3.7500	**23.812** .9375	**3.3** .13	**.34 kg** .74 lb	**30.163** 1.1875	3760: EXTENDED LARGE RIB
3775	**50.800** 2.0000	**30.302** 1.1930	**.8** .03	**.57 kg** 1.25 lb	**3727**	**93.662** 3.6875	**23.812** .9375	**3.3** .13	**.29 kg** .65 lb	**30.163** 1.1875	3762: EXTENDED LARGE RIB
3776	**44.983** 1.7710	**30.302** 1.1930	**3.5** .14	**.66 kg** 1.46 lb	***3729D**	**93.264** 3.6718	**52.388** 2.0625	**.8** .03	**.68 kg** 1.49 lb	**65.088** 2.5625	3780V: MADE FROM VACUUM MELT STEEL
3777	**46.038** 1.8125	**30.302** 1.1930	**3.5** .14	**.65 kg** 1.42 lb	***3729DC**	**93.264** 3.6718	**52.388** 2.0625	**.8** .03	**.68 kg** 1.49 lb	**65.088** 2.5625	NA3780-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
3778	**47.625** 1.8750	**30.302** 1.1930	**6.4** .25	**.60 kg** 1.32 lb	**3730**	**93.264** 3.6718	**23.812** .9375	**.8** .03	**.29 kg** .65 lb	**30.163** 1.1875	3795: SPECIAL FRONTFACE RADIUS
3779	**47.625** 1.8750	**30.302** 1.1930	**3.5** .14	**.62 kg** 1.36 lb	**3731**	**99.979** 3.9362	**23.812** .9375	**3.3** .13	**.47 kg** 1.04 lb	**30.163** 1.1875	3720-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
3780	**50.800** 2.0000	**30.302** 1.1930	**3.5** .14	**.56 kg** 1.23 lb	**3732**	**98.425** 3.8750	**23.812** .9375	**3.3** .13	**.43 kg** .94 lb	**30.163** 1.1875	3720V : MADE FROM VACUUM MELT STEEL
***3780V**	**50.800** 2.0000	**30.302** 1.1930	**3.5** .14	**.56 kg** 1.23 lb	**3733**	**100.038** 3.9385	**23.812** .9375	**.8** .03	**.49 kg** 1.07 lb	**30.163** 1.1875	3729D : GROOVE IN OD CENTER
3780W	**50.800** 2.0000	**30.302** 1.1930	**3.5** .14	**.56 kg** 1.23 lb	**3735**	**100.040** 3.9386	**23.812** .9375	**3.3** .13	**.47 kg** 1.04 lb	**30.100** 1.1850	HOLES IN OD CENTER
3781	**49.212** 1.9375	**30.302** 1.1930	**3.5** .14	**.59 kg** 1.30 lb							3729DC: HOLES IN OD CENTER
3781A	**48.412** 1.9060	**30.302** 1.1930	**3.5** .14	**.60 kg** 1.33 lb							
3782	**44.450** 1.7500	**30.302** 1.1930	**3.5** .14	**.67 kg** 1.48 lb							
3783	**44.450** 1.7500	**30.302** 1.1930	**6.4** .25	**.66 kg** 1.45 lb							
3784	**50.800** 2.0000	**30.302** 1.1930	**6.4** .25	**.54 kg** 1.19 lb							
***3795**	**50.800** 2.0000	**30.302** 1.1930	**3.5** .14	**.55 kg** 1.22 lb							
***3750T**	**50.005** 1.9687	**36.652** 1.4430	**4.9** .19	**.70 kg** 1.54 lb	3750T and grouped cones may be paired with all single cups corresponding to 3767 and will require 6.350 mm (.2500 in) to be added to the T-width values.						
***3751**	**34.925** 1.3750	**36.652** 1.4430	**.3** .01	**.97 kg** 2.14 lb	3750T and grouped cones may be paired with all double cups corresponding to 3767 and will require 12.700 mm (.5000 in) to be added to the T-width values.						
***3753**	**41.275** 1.6250	**36.652** 1.4430	**.3** .01	**.86 kg** 1.90 lb							
***3760**	**44.450** 1.7500	**36.652** 1.4430	**3.5** .14	**.79 kg** 1.75 lb							

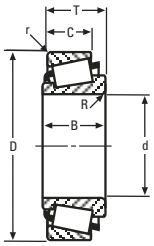
3700 SERIES CONTINUED ON NEXT PAGE

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

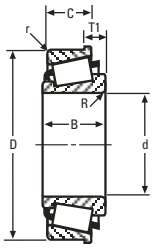
CONE					CUP					BEARING	Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	Max Hs'ng Fillet Radii r ¨	Weight	WIDTH T	
3700 Series (cont)											
***3762**	**50.800** 2.0000	**36.652** 1.4430	**3.5** .14	**.66 kg** 1.45 lb							
NA3780	**50.800** 2.0000	**32.542** 1.2812	**3.5** .14	**1.15 kg** 2.54 lb	***3729D**	**93.264** 3.6718	**52.388** 2.0625	**.8** .03	**.68 kg** 1.49 lb	**65.085** 2.5624	
***NA3780-SW**	**50.800** 2.0000	**32.542** 1.2812	**3.5** .14	**1.14 kg** 2.51 lb	***3729DC**	**93.264** 3.6718	**52.388** 2.0625	**.8** .03	**.68 kg** 1.49 lb	**65.085** 2.5624	
3800 Series											3820-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION SPECIAL RADIUS ON BACKFACE OD SPECIAL RADIUS ON FRONTFACE OD 3820W : KEYWAY BACKFACE 3822RB: GROOVE IN OD FRONTFACE
3872	**34.925** 1.3750	**30.162** 1.1875	**3.5** .14	**.64 kg** 1.41 lb	**3820**	**85.725** 3.3750	**23.812** .9375	**3.3** .13	**.28 kg** .61 lb	**30.163** 1.1875	
3872A	**34.925** 1.3750	**30.162** 1.1875	**.8** .03	**.64 kg** 1.42 lb	***3820-B**	**85.725** 3.3750	**23.812** .9375	**spcl.** spcl.	**.30 kg** .66 lb	**11.112** .4375	
3875	**38.100** 1.5000	**30.162** 1.1875	**.8** .03	**.60 kg** 1.33 lb	***3820W**	**85.725** 3.3750	**23.812** .9375	**3.3** .13	**.29 kg** .63 lb	**30.163** 1.1875	
3876	**38.100** 1.5000	**30.162** 1.1875	**3.5** .14	**.60 kg** 1.31 lb	**3821**	**85.725** 3.3750	**23.812** .9375	**1.3** .05	**.29 kg** .63 lb	**30.163** 1.1875	
3877	**41.275** 1.6250	**30.162** 1.1875	**3.5** .14	**.55 kg** 1.21 lb	***3822RB**	**88.108** 3.4688	**23.812** .9375	**3.3** .13	**.35 kg** .76 lb	**30.163** 1.1875	
3877A	**41.275** 1.6250	**30.162** 1.1875	**2.2** .09	**.55 kg** 1.22 lb							
3878	**36.512** 1.4375	**30.162** 1.1875	**.8** .03	**.62 kg** 1.37 lb							
3878A	**36.512** 1.4375	**30.162** 1.1875	**3.5** .14	**.62 kg** 1.36 lb							
3879	**40.000** 1.5748	**30.162** 1.1875	**.8** .03	**.57 kg** 1.27 lb							
3880	**41.275** 1.6250	**30.162** 1.1875	**.8** .03	**.55 kg** 1.22 lb							
3900 Series											3955: EXTENDED LARGE RIB
3975	**50.800** 2.0000	**30.048** 1.1830	**3.5** .14	**1.05 kg** 2.31 lb	***3919RB**	**112.712** 4.4375	**24.605** .9687	**3.3** .13	**.42 kg** .94 lb	**30.163** 1.1875	3958: EXTENDED LARGE RIB
3977	**60.000** 2.3622	**30.048** 1.1830	**3.5** .14	**.86 kg** 1.90 lb	**3920**	**112.712** 4.4375	**23.812** .9375	**3.3** .13	**.44 kg** .98 lb	**30.163** 1.1875	3959: BROKEN BACKFACE ID EXTENDED LARGE RIB
3977X	**59.987** 2.3617	**28.000** 1.1024	**2.3** .09	**.84 kg** 1.85 lb	***3920-B**	**112.712** 4.4375	**23.812** .9375	**3.3** .13	**.48 kg** 1.06 lb	**11.112** .4375	
3978	**59.530** 2.3437	**30.048** 1.1830	**1.5** .06	**.88 kg** 1.94 lb	***3920XX**	**112.712** 4.4375	**23.812** .9375	**3.3** .13	**.44 kg** .98 lb	**30.163** 1.1875	3960: EXTENDED LARGE RIB
3979	**57.150** 2.2500	**30.048** 1.1830	**3.5** .14	**.92 kg** 2.03 lb	**3921XA**	**109.985** 4.3301	**23.812** .9375	**.5** .02	**.36 kg** .80 lb	**29.751** 1.1713	3984XX: MADE FROM VACUUM MELT STEEL
3980	**60.325** 2.3750	**30.048** 1.1830	**3.5** .14	**.85 kg** 1.88 lb	***3924-BW**	**115.895** 4.5628	**30.162** 1.1875	**1.5** .06	**.71 kg** 1.56 lb	**4.762** .1875	3919RB: GROOVE IN OD FRONTFACE
3980W	**60.325** 2.3750	**30.048** 1.1830	**3.5** .14	**.84 kg** 1.85 lb	**3925**	**112.712** 4.4375	**23.812** .9375	**.8** .03	**.46 kg** 1.01 lb	**30.163** 1.1875	3920-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
3981	**58.738** 2.3125	**30.048** 1.1830	**3.5** .14	**.89 kg** 1.96 lb	**3926**	**112.712** 4.4375	**26.988** 1.0625	**3.3** .13	**.53 kg** 1.17 lb	**33.338** 1.3125	3920XX: MADE FROM VACUUM MELT STEEL
3982	**63.500** 2.5000	**30.048** 1.1830	**3.5** .14	**.78 kg** 1.72 lb	**3927AS**	**110.000** 4.3307	**23.020** .9063	**.5** .02	**.35 kg** .77 lb	**29.370** 1.1563	3924-BW: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION KEYWAY IN OD SURFACE
3982W	**63.500** 2.5000	**30.048** 1.1830	**3.5** .14	**.76 kg** 1.68 lb	**3927X**	**110.000** 4.3307	**23.812** .9375	**3.3** .13	**.35 kg** .78 lb	**30.163** 1.1875	
3982X	**63.500** 2.5000	**30.048** 1.1830	**7.0** .28	**.75 kg** 1.65 lb							
3984	**66.675** 2.6250	**30.048** 1.1830	**3.5** .14	**.70 kg** 1.55 lb							
***3984XX**	**66.675** 2.6250	**30.048** 1.1830	**3.5** .14	**.71 kg** 1.56 lb							
3994	**66.675** 2.6250	**30.048** 1.1830	**5.5** .22	**.70 kg** 1.55 lb							
***3955**	**63.500** 2.5000	**36.398** 1.4330	**3.5** .14	**.92 kg** 2.04 lb	3955 and grouped cones may be paired with all single cups corresponding to 3975 and will require 6.350 mm (.2500 in) to be added to the T-width values.						
***3958**	**57.150** 2.2500	**36.398** 1.4330	**3.5** .14	**1.10 kg** 2.42 lb							
***3959**	**52.388** 2.0625	**36.398** 1.4330	**.3** .01	**1.22 kg** 2.69 lb							
***3960**	**60.325** 2.3750	**36.398** 1.4330	**5.0** .20	**1.00 kg** 2.21 lb							

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

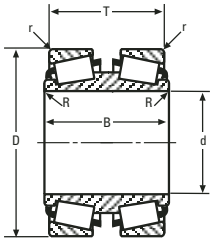
3900 SERIES CONTINUED ON NEXT PAGE



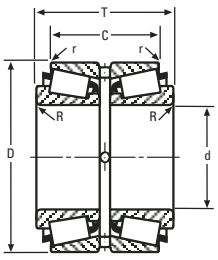
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	Weight	BEARING WIDTH T	Remarks
3900 Series (cont)											
3992	**66.675** 2.6250	**29.223** 1.1505	**5.5** .22	**.69 kg** 1.52 lb	3992 may be paired with all single cups corresponding to 3975 and will require -.825 mm (-.0325 in) to be added to the T-width values.						
JRM3900 Series											
JRM3935A	**35.000** 1.3780	**18.500** .7284	**2.5** .10	**-** -	**JRM3968XD**	SEE UNIPAC BEARING SECTION					
JRM3938A	**38.125** 1.5010	**18.500** .7284	**2.0** .08	**-** -							
JRM3939	**39.000** 1.5354	**18.500** .7284	**3.8** .15	**-** -							
JRM3939C	**39.000** 1.5354	**18.500** .7284	**3.8** .15	**-** -							
JRM3939W	**39.000** 1.5354	**18.500** .7284	**3.8** .15	**-** -							
JRM3939WA	**39.000** 1.5354	**18.500** .7284	**3.8** .15	**-** -							
A4000 Series											A4051: EXTENDED LARGE RIB EXTENDED SMALL RIB SLOTS IN FRONTFACE NON-ADJUSTABLE CONE A4138-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION A4138D : GROOVE IN OD CENTER HOLES IN OD CENTER K444656: SPECIAL CHAMFER ON LEFTFACE OD SPECIAL CHAMFER ON RIGHTFACE OD
A4044	**11.112** .4375	**10.988** .4326	**1.3** .05	**.04 kg** .08 lb	**A4138**	**34.989** 1.3775	**8.730** .3437	**1.3** .05	**.02 kg** .05 lb	**10.998** .4330	
A4049	**12.680** .4992	**10.988** .4326	**.8** .03	**.03 kg** .07 lb	***A4138-B**	**34.989** 1.3775	**8.730** .3437	**1.3** .05	**.02 kg** .05 lb	**4.630** .1823	
A4050	**12.700** .5000	**10.988** .4326	**1.3** .05	**.03 kg** .07 lb	***A4138D**	**34.989** 1.3775	**20.638** .8125	**.6** .02	**.06 kg** .13 lb	**25.174** .9911	
A4059	**14.989** .5901	**10.988** .4326	**.8** .03	**.03 kg** .06 lb	**T54148**	**34.989** 1.3775	**8.730** .3437	**.3** .01	**.02 kg** .05 lb	**10.998** .4330	
					T54148A	**34.989** 1.3775	**8.730** .3437	**.3** .01	**.02 kg** .05 lb	**10.998** .4330	
***A4051**	**12.700** .5000	**14.288** .5625	**.8** .03	**.04 kg** .09 lb	**K24299**	**44.450** 1.7500	**26.988** 1.0625	**.8** .03	**.17 kg** .37 lb	**28.578** 1.1251	
					K56570	**44.450** 1.7500	**26.988** 1.0625	**2.3** .09	**.17 kg** .37 lb	**28.578** 1.1251	
					K56570A	**44.450** 1.7500	**26.988** 1.0625	**2.3** .09	**.17 kg** .37 lb	**28.578** 1.1251	
					K56570X	**44.450** 1.7500	**26.988** 1.0625	**2.3** .09	**.17 kg** .37 lb	**28.578** 1.1251	
					K97618	**41.275** 1.6250	**26.988** 1.0625	**.8** .03	**.17 kg** .37 lb	**28.578** 1.1251	
					***K444656**	**44.450** 1.7500	**26.988** 1.0625	**2.3** .09	**.17 kg** .37 lb	**28.578** 1.1251	
JF4000 Series											
†JF4049	**40.000** 1.5748	**32.500** 1.2795	**2.5** .10	**.58 kg** 1.27 lb	**†JF4010**	**85.000** 3.3465	**28.000** 1.1024	**2.0** .08	**.32 kg** .72 lb	**33.040** 1.3008	
JRM4000 Series											
JRM4040A	**39.954** 1.5730	**16.500** .6496	**3.5** .14	**-** -	**JRM4076XD**	SEE UNIPAC BEARING SECTION					
JRM4042	**42.000** 1.6535	**20.000** .7874	**3.5** .14	**-** -	**JRM4076XDA**	SEE UNIPAC BEARING SECTION					
JRM4200 Series											
JRM4249	**42.000** 1.6535	**19.500** .7677	**3.8** .15	**-** -	**JRM4210XD**	SEE UNIPAC BEARING SECTION					
JRM4248	**42.000** 1.6535	**19.075** .7510	**2.5** .10	**-** -	**JRM4214XD**	SEE UNIPAC BEARING SECTION					
4300 Series											4356: EXTENDED LARGE RIB
4367	**39.688** 1.5625	**40.386** 1.5900	**3.5** .14	**.83 kg** 1.84 lb	**4320**	**88.500** 3.4843	**33.338** 1.3125	**3.3** .13	**.38 kg** .83 lb	**39.687** 1.5625	4357: EXTENDED LARGE RIB
4368	**34.925** 1.3750	**40.386** 1.5900	**3.5** .14	**.92 kg** 2.03 lb	**4328**	**90.043** 3.5450	**33.338** 1.3125	**.8** .03	**.44 kg** .98 lb	**39.687** 1.5625	4364: EXTENDED LARGE RIB
4370	**44.450** 1.7500	**40.386** 1.5900	**3.5** .14	**.73 kg** 1.62 lb	**4335**	**90.488** 3.5625	**33.338** 1.3125	**3.3** .13	**.45 kg** .99 lb	**39.687** 1.5625	
4375	**38.100** 1.5000	**40.386** 1.5900	**1.5** .06	**.87 kg** 1.91 lb							
4375H	**38.100** 1.5000	**40.386** 1.5900	**1.5** .06	**.87 kg** 1.91 lb							

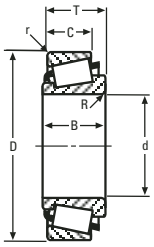
4300 SERIES CONTINUED ON NEXT PAGE

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

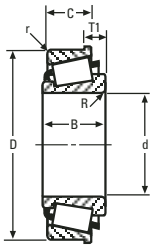
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
4300 Series (cont)											
4388	**41.275** 1.6250	**40.386** 1.5900	**3.5** .14	**.80 kg** 1.77 lb							
4395	**42.070** 1.6563	**40.386** 1.5900	**3.5** .14	**.78 kg** 1.73 lb							
4395P	**42.070** 1.6563	**40.386** 1.5900	**3.5** .14	**.78 kg** 1.73 lb							
***4356**	**36.512** 1.4375	**51.498** 2.0275	**.5** .02	**1.11 kg** 2.45 lb	4356 and grouped cones may be paired with all single cups corresponding to 4367 and will require 11.112 mm (.4375 in) to be added to the T-width values.						
***4357**	**41.275** 1.6250	**51.498** 2.0275	**.5** .02	**.99 kg** 2.19 lb							
***4364**	**44.450** 1.7500	**46.736** 1.8400	**3.5** .14	**.83 kg** 1.83 lb	4364 may be paired with all single cups corresponding to 4367 and will require 6.350 mm (.2500 in) to be added to the T-width values.						
4500 Series											4550T: TAPERED BORE
4559	**45.000** 1.7717	**40.157** 1.5810	**3.5** .14	**1.19 kg** 2.63 lb	**4520**	**101.200** 3.9843	**33.338** 1.3125	**3.3** .13	**.42 kg** .93 lb	**39.687** 1.5625	
4580	**50.800** 2.0000	**40.157** 1.5810	**3.5** .14	**1.05 kg** 2.32 lb	**4535**	**104.775** 4.1250	**33.338** 1.3125	**3.3** .13	**.57 kg** 1.26 lb	**39.687** 1.5625	
4595	**53.975** 2.1250	**40.157** 1.5810	**3.5** .14	**.97 kg** 2.14 lb	**4536**	**111.125** 4.3750	**32.545** 1.2813	**3.3** .13	**.83 kg** 1.82 lb	**38.895** 1.5313	
***4550T**	**53.975** 2.1250	**46.507** 1.8310	**6.4** .25	**1.12 kg** 2.47 lb	4550T and grouped cones may be paired with all single cups corresponding to 4559 and will require 6.350 mm (.2500 in) to be added to the T-width values.						
4553	**53.975** 2.1250	**46.507** 1.8310	**3.5** .14	**1.10 kg** 2.42 lb							
JF4500 Series											JF4549: FRONTFACE CHAMFER
***†JF4549**	**45.000** 1.7717	**35.000** 1.3780	**2.5** .10	**.77 kg** 1.70 lb	**†JF4510**	**95.000** 3.7402	**30.000** 1.1811	**2.5** .10	**.42 kg** .92 lb	**36.000** 1.4173	
JW4500 Series											
†JW4549	**45.000** 1.7717	**26.500** 1.0433	**2.5** .10	**.57 kg** 1.25 lb	**†JW4510**	**95.000** 3.7402	**20.000** .7874	**2.5** .10	**.34 kg** .76 lb	**29.000** 1.1417	
A5000 Series											A5069V: MADE FROM SPECIAL STEEL
A5069	**17.455** .6872	**11.112** .4375	**1.5** .06	**.03 kg** .07 lb	***A5144V**	**36.525** 1.4380	**7.938** .3125	**1.5** .06	**.02 kg** .04 lb	**11.112** .4375	A5144V : MADE FROM SPECIAL STEEL
***A5069V**	**17.455** .6872	**11.112** .4375	**1.5** .06	**.03 kg** .07 lb	**A5144**	**36.525** 1.4380	**7.938** .3125	**1.5** .06	**.02 kg** .04 lb	**11.112** .4375	
JP5000 Series											
***†JP5049P**	SEE HYDRA-RIB SECTION				***†JP5017HR**						
***†JP5049PH**					***†JP5019HR** ***†JP5020HR**	SEE HYDRA-RIB SECTION					
JW5000 Series											JW5049: FRONTFACE CHAMFER
***†JW5049**	**50.000** 1.9685	**29.000** 1.1417	**3.0** .12	**.77 kg** 1.71 lb	**†JW5010**	**105.000** 4.1339	**22.000** .8661	**3.0** .12	**.46 kg** 1.02 lb	**32.000** 1.2598	
5300 Series											5354: BROKEN BACKFACE ID
5356	**44.450** 1.7500	**44.475** 1.7510	**1.3** .05	**1.24 kg** 2.73 lb	**5320**	**101.200** 3.9843	**36.512** 1.4375	**3.3** .13	**.54 kg** 1.18 lb	**43.657** 1.7188	5395V: MADE FROM VACUUM MELT STEEL
5358	**47.625** 1.8750	**44.475** 1.7510	**1.3** .05	**1.16 kg** 2.56 lb	***5335V**	**103.188** 4.0625	**36.512** 1.4375	**3.3** .13	**.63 kg** 1.38 lb	**43.657** 1.7188	5335V : MADE FROM VACUUM MELT STEEL
5361	**47.625** 1.8750	**44.475** 1.7510	**3.5** .14	**1.15 kg** 2.54 lb	**5335**	**103.188** 4.0625	**36.512** 1.4375	**3.3** .13	**.63 kg** 1.38 lb	**43.657** 1.7188	
5395	**49.212** 1.9375	**44.475** 1.7510	**3.5** .14	**1.11 kg** 2.45 lb							
***5395V**	**49.212** 1.9375	**44.475** 1.7510	**3.5** .14	**1.11 kg** 2.45 lb							
***5354**	**44.450** 1.7500	**53.238** 2.0960	**.3** .01	**1.43 kg** 3.16 lb	5354 may be paired with all single cups corresponding to 5356 and will require 8.763 mm (.3450 in) to be added to the T-width values.						
5360	**50.000** 1.9685	**43.713** 1.7210	**3.0** .12	**1.08 kg** 2.38 lb	5360 may be paired with all single cups corresponding to 5356 and will require -.762 mm (-.0300 in) to be added to the T-width values.						

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

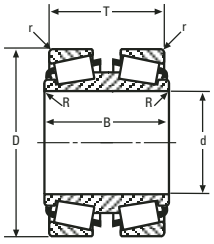
5500 SERIES CONTINUED ON NEXT PAGE



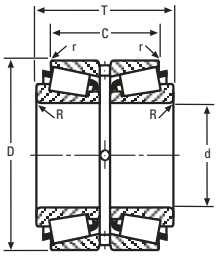
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	Weight	BEARING WIDTH T	Remarks
5500 Series											5550T: EXTENDED LARGE RIB TAPERED BORE
5562	**49.212** 1.9375	**43.764** 1.7230	**1.3** .05	**1.93 kg** 4.26 lb	**5520**	**120.251** 4.7343	**36.512** 1.4375	**3.3** .13	**.71 kg** 1.57 lb	**44.450** 1.7500	
5564	**63.500** 2.5000	**43.764** 1.7230	**5.0** .20	**1.48 kg** 3.26 lb	**5521**	**130.000** 5.1181	**36.512** 1.4375	**3.3** .13	**1.26 kg** 2.78 lb	**44.450** 1.7500	5552: EXTENDED LARGE RIB
5565	**50.800** 2.0000	**43.764** 1.7230	**1.3** .05	**1.89 kg** 4.17 lb	**5535**	**122.238** 4.8125	**36.512** 1.4375	**3.3** .13	**.80 kg** 1.77 lb	**43.657** 1.7188	5553: BROKEN BACKFACE ID EXTENDED LARGE RIB
5566	**55.562** 2.1875	**43.764** 1.7230	**1.3** .05	**1.75 kg** 3.87 lb	***5535-B**	**122.238** 4.8125	**36.512** 1.4375	**3.3** .13	**.89 kg** 1.96 lb	**13.495** .5313	5557: EXTENDED LARGE RIB
5577	**53.975** 2.1250	**43.764** 1.7230	**1.3** .05	**1.80 kg** 3.97 lb	***5535V**	**122.238** 4.8125	**36.512** 1.4375	**3.3** .13	**.80 kg** 1.77 lb	**43.657** 1.7188	5578V: MADE FROM VACUUM MELT STEEL
5578	**53.975** 2.1250	**43.764** 1.7230	**3.5** .14	**1.79 kg** 3.95 lb							5583V: MADE FROM VACUUM MELT STEEL
***5578V**	**53.975** 2.1250	**43.764** 1.7230	**3.5** .14	**1.79 kg** 3.95 lb							5584V: MADE FROM VACUUM MELT STEEL
5582	**60.325** 2.3750	**43.764** 1.7230	**.8** .03	**1.61 kg** 3.54 lb							5535-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
5583	**60.325** 2.3750	**43.764** 1.7230	**3.5** .14	**1.60 kg** 3.52 lb							5535V : MADE FROM VACUUM MELT STEEL
***5583V**	**60.325** 2.3750	**43.764** 1.7230	**3.5** .14	**1.60 kg** 3.52 lb							
5584	**63.500** 2.5000	**43.764** 1.7230	**3.5** .14	**1.49 kg** 3.29 lb							
***5584V**	**63.500** 2.5000	**43.764** 1.7230	**3.5** .14	**1.49 kg** 3.29 lb							
5595	**65.883** 2.5938	**43.764** 1.7230	**3.5** .14	**1.41 kg** 3.10 lb							
***5550T**	**66.675** 2.6250	**51.702** 2.0355	**6.8** .27	**1.67 kg** 3.68 lb	5550T and grouped cones may be paired with all single cups corresponding to 5562 and will require 7.938 mm (.3125 in) to be added to the T-width values.						
***5552**	**63.500** 2.5000	**51.702** 2.0355	**3.5** .14	**1.72 kg** 3.80 lb							
***5553**	**66.675** 2.6250	**51.702** 2.0355	**.3** .01	**1.60 kg** 3.53 lb							
***5557**	**68.262** 2.6875	**51.702** 2.0355	**3.5** .14	**1.52 kg** 3.36 lb							
5569	**60.000** 2.3622	**44.313** 1.7446	**3.0** .12	**1.63 kg** 3.59 lb	5569 may be paired with all single cups corresponding to 5562 and will require .549 mm (.0216 in) to be added to the T-width values.						
JS-5500 Series											
†JS-5547	**52.400** 2.0630	**29.500** 1.1614	**4.0** .16	**.70 kg** 1.54 lb	**†JS-5510**	**100.000** 3.9370	**24.000** .9449	**2.5** .10	**.36 kg** .80 lb	**30.000** 1.1811	
JW5500 Series											JW5549: FRONTFACE CHAMFER
***†JW5549**	**55.000** 2.1654	**31.000** 1.2205	**3.0** .12	**1.00 kg** 2.20 lb	**†JW5510**	**115.000** 4.5276	**23.500** .9252	**3.0** .12	**.57 kg** 1.26 lb	**34.000** 1.3386	
5700 Series											5757T: TAPERED BORE
5760	**76.200** 3.0000	**46.100** 1.8150	**3.5** .14	**1.83 kg** 4.03 lb	**5720**	**142.138** 5.5960	**34.925** 1.3750	**3.3** .13	**1.25 kg** 2.76 lb	**44.450** 1.7500	5784T: TAPERED BORE
***5784T**	**80.962** 3.1875	**46.100** 1.8150	**3.4** .13	**1.68 kg** 3.71 lb	**5722**	**140.081** 5.5150	**47.625** 1.8750	**3.3** .13	**1.59 kg** 3.50 lb	**57.150** 2.2500	5735V : MADE FROM VACUUM MELT STEEL
5795	**77.788** 3.0625	**46.100** 1.8150	**3.5** .14	**1.76 kg** 3.88 lb	***5735V**	**135.733** 5.3438	**34.925** 1.3750	**3.3** .13	**.89 kg** 1.97 lb	**44.450** 1.7500	
					5735	**135.733** 5.3438	**34.925** 1.3750	**3.3** .13	**.87 kg** 1.92 lb	**44.450** 1.7500	
5752	**73.025** 2.8750	**52.451** 2.0650	**5.0** .20	**2.19 kg** 4.84 lb	5752 and grouped cones may be paired with all single cups corresponding to 5760 and will require 6.350 mm (.2500 in) to be added to the T-width values.						
5755	**76.200** 3.0000	**52.451** 2.0650	**3.5** .14	**2.05 kg** 4.53 lb							
***5757T**	**80.962** 3.1875	**52.451** 2.0650	**3.4** .13	**1.87 kg** 4.13 lb							
A6000 Series											A6157-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
A6062	**15.875** .6250	**11.153** .4391	**1.3** .05	**.04 kg** .10 lb	**A6157**	**39.992** 1.5745	**9.525** .3750	**1.3** .05	**.03 kg** .07 lb	**12.014** .4730	
A6067	**16.993** .6690	**11.153** .4391	**.8** .03	**.04 kg** .09 lb	**A6157A**	**39.982** 1.5741	**9.525** .3750	**1.3** .05	**.03 kg** .07 lb	**12.014** .4730	

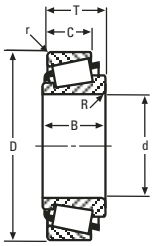
A6000 SERIES CONTINUED ON NEXT PAGE

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

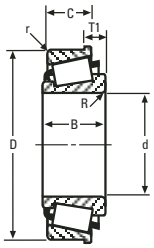
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	r ¨	Weight	WIDTH T	
A6000 Series (cont)											
A6075	**19.050** .7500	**11.153** .4391	**1.0** .04	**.04 kg** .08 lb	***A6157-B**	**39.992** 1.5745	**9.525** .3750	**1.3** .05	**.04 kg** .08 lb	**4.851** .1910	
					A6162	**41.275** 1.6250	**8.730** .3437	**1.3** .05	**.03 kg** .08 lb	**11.905** .4687	
JF6000 Series											JF6049: FRONTFACE CHAMFER
***†JF6049**	**60.000** 2.3622	**39.000** 1.5354	**2.5** .10	**1.24 kg** 2.74 lb	**†JF6010**	**115.000** 4.5276	**33.000** 1.2992	**2.5** .10	**.62 kg** 1.37 lb	**40.000** 1.5748	
JN6000 Series											
†JN6049	**60.000** 2.3622	**46.000** 1.8110	**5.0** .20	**1.76 kg** 3.87 lb	**†JN6010**	**125.000** 4.9213	**40.000** 1.5748	**2.5** .10	**1.07 kg** 2.36 lb	**48.000** 1.8898	
JP6000 Series											JP6010-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
†JP6049	**60.000** 2.3622	**20.000** .7874	**2.0** .08	**.43 kg** .94 lb	**†JP6010**	**100.000** 3.9370	**15.500** .6102	**2.0** .08	**.17 kg** .38 lb	**21.000** .8268	
					***†JP6010-B**	**100.000** 3.9370	**15.500** .6102	**2.0** .08	**.20 kg** .43 lb	**8.500** .3347	
JW6000 Series											JW6049: FRONTFACE CHAMFER
***†JW6049**	**60.000** 2.3622	**33.500** 1.3189	**3.0** .12	**1.27 kg** 2.81 lb	**†JW6010**	**125.000** 4.9213	**26.000** 1.0236	**3.0** .12	**.75 kg** 1.65 lb	**37.000** 1.4567	
6200 Series											6220-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
6277	**44.450** 1.7500	**52.388** 2.0625	**3.5** .14	**2.34 kg** 5.16 lb	**6220**	**127.000** 5.0000	**41.275** 1.6250	**3.3** .13	**1.21 kg** 2.67 lb	**50.800** 2.0000	
6279	**50.800** 2.0000	**52.388** 2.0625	**3.5** .14	**2.15 kg** 4.73 lb	***6220-B**	**127.000** 5.0000	**41.275** 1.6250	**3.3** .13	**1.32 kg** 2.91 lb	**17.462** .6875	
6280	**53.975** 2.1250	**52.388** 2.0625	**3.5** .14	**2.04 kg** 4.49 lb							
6300 Series											6386V: MADE FROM VACUUM MELT STEEL
6361	**60.000** 2.3622	**56.007** 2.2050	**3.0** .12	**2.47 kg** 5.44 lb	**6320**	**135.755** 5.3447	**44.450** 1.7500	**3.3** .13	**1.37 kg** 3.03 lb	**53.975** 2.1250	6320-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
6375	**57.150** 2.2500	**56.007** 2.2050	**4.3** .17	**2.57 kg** 5.68 lb	***6320-B**	**135.755** 5.3447	**44.450** 1.7500	**3.3** .13	**1.49 kg** 3.29 lb	**17.462** .6875	
6376	**60.325** 2.3750	**56.007** 2.2050	**3.5** .14	**2.45 kg** 5.40 lb	***6320V**	**135.755** 5.3447	**44.450** 1.7500	**3.3** .13	**1.37 kg** 3.03 lb	**53.975** 2.1250	6320V : MADE FROM VACUUM MELT STEEL
6379	**65.088** 2.5625	**56.007** 2.2050	**3.5** .14	**2.24 kg** 4.95 lb	**6321**	**131.762** 5.1875	**44.450** 1.7500	**3.3** .13	**1.08 kg** 2.39 lb	**53.975** 2.1250	
6380	**54.813** 2.1580	**56.007** 2.2050	**.8** .03	**2.68 kg** 5.90 lb	**6325**	**135.000** 5.3150	**44.450** 1.7500	**3.0** .12	**1.32 kg** 2.91 lb	**53.975** 2.1250	
6381	**54.988** 2.1649	**56.007** 2.2050	**3.5** .14	**2.66 kg** 5.87 lb	**†J6327**	**140.000** 5.5118	**44.450** 1.7500	**3.3** .13	**1.69 kg** 3.73 lb	**53.975** 2.1250	
6382	**63.500** 2.5000	**56.007** 2.2050	**4.3** .17	**2.31 kg** 5.09 lb							
6385	**64.973** 2.5580	**56.007** 2.2050	**3.5** .14	**2.25 kg** 4.96 lb							
6385-S	**65.000** 2.5591	**56.007** 2.2050	**3.0** .12	**2.25 kg** 4.96 lb							
6386	**66.675** 2.6250	**56.007** 2.2050	**4.3** .17	**2.17 kg** 4.78 lb							
6386A	**66.675** 2.6250	**56.007** 2.2050	**8.7** .34	**2.11 kg** 4.66 lb							
***6386V**	**66.675** 2.6250	**56.007** 2.2050	**4.3** .17	**2.17 kg** 4.78 lb							
6387	**57.150** 2.2500	**56.007** 2.2050	**.8** .03	**2.59 kg** 5.71 lb							
6389	**66.675** 2.6250	**56.007** 2.2050	**6.4** .25	**2.15 kg** 4.74 lb							
6391	**59.987** 2.3617	**56.007** 2.2050	**3.5** .14	**2.46 kg** 5.43 lb							
†J6392	**65.000** 2.5591	**56.007** 2.2050	**3.0** .12	**2.25 kg** 4.96 lb							
6377	**65.088** 2.5625	**65.532** 2.5800	**6.5** .26	**2.51 kg** 5.55 lb	6377 and grouped cones may be paired with all single cups corresponding to 6361 and will require 9.525 mm (.3750 in) to be added to the T-width values.						
6377A	**65.088** 2.5625	**65.532** 2.5800	**6.5** .26	**2.53 kg** 5.57 lb							

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

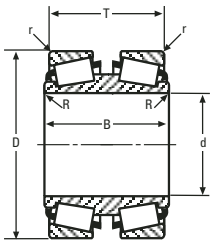
6400 SERIES CONTINUED ON NEXT PAGE



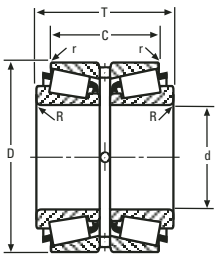
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	Weight	BEARING WIDTH T	Remarks
6400 Series											6420-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
6454	**69.850**	**54.229**	**5.0**	**-**	**6420**	**149.225**	**44.450**	**3.3**	**1.62 kg**	**53.975**	
	2.7500	2.1350	.20	-		5.8750	1.7500	.13	3.56 lb	2.1250	
6455	**57.150**	**54.229**	**3.5**	**-**	**6420A**	**149.225**	**44.450**	**.8**	**1.63 kg**	**53.975**	
	2.2500	2.1350	.14	-		5.8750	1.7500	.03	3.60 lb	2.1250	
6459	**70.000**	**54.229**	**3.0**	**-**	***6420-B**	**149.225**	**44.450**	**3.3**	**1.74 kg**	**17.462**	
	2.7559	2.1350	.12	-		5.8750	1.7500	.13	3.83 lb	.6875	
6460	**73.025**	**54.229**	**3.5**	**-**	**6424**	**150.000**	**45.000**	**3.0**	**1.70 kg**	**54.000**	
	2.8750	2.1350	.14	-		5.9055	1.7717	.12	3.74 lb	2.1260	
6461	**76.200**	**54.229**	**3.5**	**-**	**6427**	**157.162**	**44.450**	**3.3**	**-**	**53.975**	
	3.0000	2.1350	.14	-		6.1875	1.7500	.13	-	2.1250	
6461A	**76.200**	**54.229**	**9.7**	**-**							
	3.0000	2.1350	.38	-							
6461CA	**76.200**	**54.229**	**3.5**	**-**							
	3.0000	2.1350	.14	-							
6464	**64.960**	**54.229**	**3.5**	**-**							
	2.5575	2.1350	.14	-							
6465	**57.150**	**54.229**	**6.8**	**-**							
	2.2500	2.1350	.27	-							
6466	**76.200**	**54.229**	**6.4**	**-**							
	3.0000	2.1350	.25	-							
6475	**63.500**	**54.229**	**3.5**	**-**							
	2.5000	2.1350	.14	-							
6484	**69.850**	**54.229**	**6.4**	**-**							
	2.7500	2.1350	.25	-							
6500 Series											6550T: TAPERED BORE
6559C	**82.550**	**55.100**	**3.5**	**3.39 kg**	**6520**	**169.850**	**44.450**	**3.3**	**2.38 kg**	**53.975**	
	3.2500	2.1693	.14	7.47 lb		6.6870	1.7500	.13	5.24 lb	2.1250	6552W: KEYWAY IN ID
6559CP	**82.550**	**55.100**	**3.5**	**3.45 kg**	**6521**	**160.338**	**44.450**	**3.3**	**1.54 kg**	**53.975**	6559V: MADE FROM VACUUM
	3.2500	2.1693	.14	7.60 lb		6.3125	1.7500	.13	3.40 lb	2.1250	MELT STEEL
***6559V**	**82.550**	**55.100**	**3.5**	**3.42 kg**	**6525X**	**160.000**	**44.450**	**3.0**	**1.52 kg**	**53.975**	6576V: MADE FROM VACUUM
	3.2500	2.1693	.14	7.53 lb		6.2992	1.7500	.12	3.34 lb	2.1250	MELT STEEL
6574P	**76.162**	**55.100**	**3.5**	**3.78 kg**	**6535**	**161.925**	**42.862**	**3.3**	**1.65 kg**	**53.974**	6580V: MADE FROM VACUUM
	2.9985	2.1693	.14	8.34 lb		6.3750	1.6875	.13	3.64 lb	2.1250	MELT STEEL
6575	**76.200**	**55.100**	**6.4**	**3.70 kg**	***6535-B**	**161.925**	**42.862**	**3.3**	**1.74 kg**	**19.050**	6535-B: FLANGE ON OD FRONTFACE,
	3.0000	2.1693	.25	8.16 lb		6.3750	1.6875	.13	3.84 lb	.7500	BEARING WIDTH IS T1 DIMENSION
6576	**76.200**	**55.100**	**3.5**	**3.73 kg**	**6535P**	**161.925**	**42.862**	**3.3**	**1.66 kg**	**53.974**	
	3.0000	2.1693	.14	8.22 lb		6.3750	1.6875	.13	3.65 lb	2.1250	6535W : KEYWAY BACKFACE
6576C	**76.200**	**55.100**	**3.5**	**3.73 kg**	***6535W**	**161.925**	**42.862**	**3.3**	**1.69 kg**	**53.974**	6536V : MADE FROM VACUUM
	3.0000	2.1693	.14	8.22 lb		6.3750	1.6875	.13	3.72 lb	2.1250	MELT STEEL
6576CP	**76.200**	**55.100**	**3.5**	**3.79 kg**	**6536**	**161.925**	**42.862**	**.8**	**1.67 kg**	**53.974**	
	3.0000	2.1693	.14	8.35 lb		6.3750	1.6875	.03	3.69 lb	2.1250	
***6576V**	**76.200**	**55.100**	**3.5**	**3.73 kg**	***6536V**	**161.925**	**42.862**	**.8**	**1.67 kg**	**53.974**	
	3.0000	2.1693	.14	8.22 lb		6.3750	1.6875	.03	3.69 lb	2.1250	
6580	**88.900**	**55.100**	**3.5**	**3.02 kg**							
	3.5000	2.1693	.14	6.65 lb							
***6580V**	**88.900**	**55.100**	**3.5**	**3.02 kg**							
	3.5000	2.1693	.14	6.65 lb							
6581X	**90.000**	**55.100**	**3.0**	**2.95 kg**							
	3.5433	2.1693	.12	6.51 lb							
†J6581X	**90.000**	**55.100**	**3.0**	**2.95 kg**							
	3.5433	2.1693	.12	6.51 lb							
***6550T**	**85.725**	**63.830**	**8.0**	**4.24 kg**	6550T and grouped cones may be paired with all single cups corresponding to 6559C and will require 8.730 mm (.3437 in) to be added to the T-width values.						
	3.3750	2.5130	.31	9.35 lb							
6552	**88.900**	**63.830**	**3.5**	**3.43 kg**							
	3.5000	2.5130	.14	7.55 lb							
***6552W**	**88.900**	**63.830**	**3.5**	**3.77 kg**							
	3.5000	2.5130	.14	8.32 lb							
6553	**85.725**	**63.830**	**6.8**	**3.61 kg**							
	3.3750	2.5130	.27	7.95 lb							
6554	**76.200**	**63.830**	**3.5**	**4.25 kg**							
	3.0000	2.5130	.14	9.37 lb							
JD6500 Series											JD6549: SPECIAL BACKFACE RADIUS
***†JD6549**	**65.000**	**31.000**	**2.0**	**.82 kg**	**†JD6510**	**110.000**	**25.000**	**2.0**	**.36 kg**	**31.000**	
	2.5591	1.2205	.08	1.81 lb		4.3307	.9843	.08	.80 lb	1.2205	

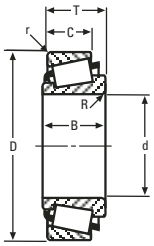
JW6500 SERIES CONTINUED ON NEXT PAGE

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

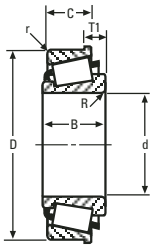
CONE					CUP					BEARING	Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	Max Hs'ng Fillet Radii r ¨	Weight	WIDTH T	
JW6500 Series											JW6549: FRONTFACE CHAMFER
***†JW6549**	**65.000** 2.5591	**33.500** 1.3189	**3.0** .12	**-** -	**†JW6510**	**130.000** 5.1181	**26.000** 1.0236	**3.0** .12	**.81 kg** 1.79 lb	**37.000** 1.4567	
JF7000 Series											
†JF7049	**70.000** 2.7559	**42.000** 1.6535	**3.0** .12	**1.70 kg** 3.75 lb	**†JF7010**	**130.000** 5.1181	**35.000** 1.3780	**2.5** .10	**.80 kg** 1.75 lb	**43.000** 1.6929	
†JF7049A	**70.000** 2.7559	**42.000** 1.6535	**7.0** .28	**1.66 kg** 3.66 lb							
JP7000 Series											JP7010-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
†JP7049	**70.000** 2.7559	**20.000** .7874	**2.0** .08	**.49 kg** 1.09 lb	***†JP7010-B**	**110.000** 4.3307	**15.500** .6102	**2.0** .08	**.22 kg** .48 lb	**8.500** .3347	
					†JP7010	**110.000** 4.3307	**15.500** .6102	**2.0** .08	**.19 kg** .43 lb	**21.000** .8268	
JW7000 Series											
†JW7049	**70.000** 2.7559	**35.500** 1.3976	**3.0** .12	**1.69 kg** 3.72 lb	**†JW7010**	**140.000** 5.5118	**27.000** 1.0630	**3.0** .12	**.95 kg** 2.10 lb	**39.000** 1.5354	
JP7500 Series											
***†JP7548P**	SEE HYDRA-RIB SECTION				***†JP7519HR**	SEE HYDRA-RIB SECTION					
***†JP7549P**					***†JP7520HR**						
JW7500 Series											JW7549: FRONTFACE CHAMFER
***†JW7549**	**75.000** 2.9528	**38.000** 1.4961	**3.0** .12	**2.05 kg** 4.52 lb	**†JW7510**	**150.000** 5.9055	**29.000** 1.1417	**3.0** .12	**1.17 kg** 2.58 lb	**42.000** 1.6535	
JP8000 Series											JP8049H: HOLES IN BACKFACE TO UNDERCUT
†JP8049	**80.000** 3.1496	**22.500** .8858	**2.0** .08	**.69 kg** 1.52 lb	***†JP8010-B**	**125.000** 4.9213	**17.500** .6890	**2.0** .08	**.33 kg** .72 lb	**10.500** .4134	
***†JP8049H**	**80.000** 3.1496	**22.500** .8858	**2.0** .08	**-** -	**†JP8010**	**125.000** 4.9213	**17.500** .6890	**2.0** .08	**.27 kg** .60 lb	**24.000** .9449	JP8010-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
JW8000 Series											
†JW8049	**80.000** 3.1496	**41.000** 1.6142	**3.0** .12	**2.59 kg** 5.72 lb	**†JW8010**	**160.000** 6.2992	**31.000** 1.2205	**3.0** .12	**1.44 kg** 3.18 lb	**45.000** 1.7717	
8307 Series											
8307	**34.988** 1.3775	**34.925** 1.3750	**1.5** .06	**.57 kg** 1.26 lb	**83073**	**77.003** 3.0316	**11.112** .4375	**1.5** .06	**.09 kg** .19 lb	**34.925** 1.3750	
8500 Series											8575X: KEYWAY IN ID
8573	**228.600** 9.0000	**52.388** 2.0625	**6.4** .25	**9.23 kg** 20.35 lb	***8520-B**	**327.025** 12.8750	**36.512** 1.4375	**3.3** .13	**4.31 kg** 9.51 lb	**25.400** 1.0000	NA8575-SW: EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE
8574	**234.950** 9.2500	**52.388** 2.0625	**6.4** .25	**8.46 kg** 18.66 lb	**8520**	**327.025** 12.8750	**36.512** 1.4375	**3.3** .13	**3.81 kg** 8.40 lb	**52.388** 2.0625	
8575	**234.950** 9.2500	**52.388** 2.0625	**6.4** .25	**8.28 kg** 18.26 lb	***8520CD**	**327.025** 12.8750	**82.550** 3.2500	**1.5** .06	**8.90 kg** 19.63 lb	**114.300** 4.5000	8520-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
***8575X**	**234.950** 9.2500	**52.388** 2.0625	**6.4** .25	**9.00 kg** 19.84 lb	**8522**	**328.625** 12.9380	**36.512** 1.4375	**3.3** .13	**4.04 kg** 8.90 lb	**52.388** 2.0625	
8578	**241.300** 9.5000	**52.388** 2.0625	**6.4** .25	**7.30 kg** 16.10 lb	***8522D**	**328.625** 12.9380	**82.550** 3.2500	**1.5** .06	**9.42 kg** 20.78 lb	**114.300** 4.5000	8520CD : GROOVE IN OD CENTER HOLES IN OD CENTER 8522D : GROOVE IN OD CENTER HOLES IN OD CENTER
***NA8575-SW**	**234.950** 9.2500	**58.738** 2.3125	**6.4** .25	**-** -	***8520CD**	**327.025** 12.8750	**82.550** 3.2500	**1.5** .06	**8.90 kg** 19.63 lb	**117.475** 4.6250	
					***8522D**	**328.625** 12.9380	**82.550** 3.2500	**1.5** .06	**9.42 kg** 20.78 lb	**117.475** 4.6250	
8576D	**234.950** 9.2500	**93.662** 3.6875	**1.5** .06	**20.73 kg** 45.70 lb	**8520**	**327.025** 12.8750	**36.512** 1.4375	**3.3** .13	**3.81 kg** 8.40 lb	**93.662** 3.6875	
8576DW	**234.950** 9.2500	**93.662** 3.6875	**1.5** .06	**20.68 kg** 45.60 lb	**8522**	**328.625** 12.9380	**36.512** 1.4375	**3.3** .13	**4.04 kg** 8.90 lb	**93.662** 3.6875	
JP8500 Series											
JP8548	SEE HYDRA-RIB SECTION				**JP8518HR**	SEE HYDRA-RIB SECTION					
JP8549P					**JP8519HR**						
8800 Series											
8880D	**241.300** 9.5000	**92.075** 3.6250	**1.5** .06	**20.58 kg** 45.37 lb	**8820**	**342.900** 13.5000	**34.925** 1.3750	**3.3** .13	**4.40 kg** 9.70 lb	**92.075** 3.6250	

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

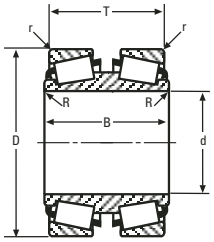
8900 SERIES CONTINUED ON NEXT PAGE



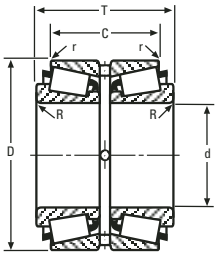
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	Weight	BEARING WIDTH T	Remarks
8900 Series											8970DW: KEYWAY IN ID
***8970DW**	**196.850** 7.7500	**81.758** 3.2188	**1.5** .06	**17.22 kg** 37.98 lb	**8920**	**298.450** 11.7500	**31.750** 1.2500	**3.3** .13	**2.85 kg** 6.27 lb	**81.757** 3.2188	
8975D	**203.200** 8.0000	**81.758** 3.2188	**5.6** .22	**16.03 kg** 35.35 lb							
8976D	**203.352** 8.0060	**81.758** 3.2188	**5.6** .22	**16.00 kg** 35.28 lb							
JP9000 Series											JP9010-B : FLANGE ON OD FRONTFACE,
†JP9049	**90.000** 3.5433	**22.500** .8858	**2.0** .08	**.78 kg** 1.73 lb	***†JP9010-B**	**135.000** 5.3150	**17.500** .6890	**2.0** .08	**.36 kg** .78 lb	**10.500** .4134	BEARING WIDTH IS T1 DIMENSION
					†JP9010	**135.000** 5.3150	**17.500** .6890	**2.0** .08	**.31 kg** .68 lb	**24.000** .9449	
9100 Series											
9180	**61.912** 2.4375	**46.038** 1.8125	**3.5** .14	**2.88 kg** 6.35 lb	**9120**	**158.750** 6.2500	**34.925** 1.3750	**3.3** .13	**1.82 kg** 4.01 lb	**50.800** 2.0000	
9181	**61.912** 2.4375	**46.038** 1.8125	**.8** .03	**2.89 kg** 6.37 lb	**9121**	**152.400** 6.0000	**31.750** 1.2500	**3.3** .13	**1.20 kg** 2.64 lb	**47.625** 1.8750	
9185	**68.262** 2.6875	**46.038** 1.8125	**3.5** .14	**2.64 kg** 5.83 lb							
9178	**61.912** 2.4375	**52.388** 2.0625	**3.5** .14	**3.14 kg** 6.91 lb	9178 may be paired with all single cups corresponding to 9180 and will require 4.762 mm (.1875 in) to be added to the T-width values.						
9200 Series											9285XX: MADE FROM VACUUM MELT STEEL
9278	**68.262** 2.6875	**46.038** 1.8125	**3.5** .14	**3.27 kg** 7.21 lb	**9220**	**161.925** 6.3750	**31.750** 1.2500	**3.3** .13	**1.37 kg** 3.03 lb	**49.212** 1.9375	9220D : GROOVE IN OD CENTER HOLES IN OD CENTER
9285	**76.200** 3.0000	**46.038** 1.8125	**3.5** .14	**2.94 kg** 6.49 lb	***9220D**	**161.925** 6.3750	**70.637** 2.7810	**.8** .03	**2.89 kg** 6.38 lb	**105.562** 4.1560	
***9285XX**	**76.200** 3.0000	**46.038** 1.8125	**3.5** .14	**2.90 kg** 6.39 lb	***9220XX**	**161.925** 6.3750	**31.750** 1.2500	**3.3** .13	**1.37 kg** 3.03 lb	**49.212** 1.9375	9220XX: MADE FROM VACUUM MELT STEEL
					***9221-B**	**161.925** 6.3750	**30.162** 1.1875	**3.3** .13	**1.46 kg** 3.23 lb	**24.600** .9685	9221-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
9275	**60.325** 2.3750	**46.038** 1.8125	**3.5** .14	**3.51 kg** 7.73 lb	9275 may be paired with all single cups corresponding to 9278 and will require -1.588 mm (-.0625 in) to be added to the T-width values. 9275 may be paired with all double cups corresponding to 9278 and will require -3.175 mm (-.1250 in) to be added to the T-width values.						
9300 Series											NA9378: EXTENDED SMALL RIB
***NA9378**	**76.200** 3.0000	**54.767** 2.1562	**3.5** .14	**-** -	***9320D**	**177.800** 7.0000	**74.612** 2.9375	**2.3** .09	**4.64 kg** 10.23 lb	**109.535** 4.3124	9320D : GROOVE IN OD CENTER HOLES IN OD CENTER
9380	**76.200** 3.0000	**46.038** 1.8125	**3.5** .14	**3.62 kg** 7.98 lb	**9320**	**177.800** 7.0000	**34.925** 1.3750	**3.3** .13	**2.19 kg** 4.83 lb	**52.387** 2.0625	9321-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1
9382	**69.914** 2.7525	**46.038** 1.8125	**3.5** .14	**3.88 kg** 8.55 lb	***9320D**	**177.800** 7.0000	**74.612** 2.9375	**2.3** .09	**4.64 kg** 10.23 lb	**109.537** 4.3125	DIMENSION
9386H	**84.138** 3.3125	**46.038** 1.8125	**3.5** .14	**3.21 kg** 7.08 lb	***9321-B**	**171.450** 6.7500	**31.750** 1.2500	**3.3** .13	**1.77 kg** 3.91 lb	**25.400** 1.0000	
					9321	**171.450** 6.7500	**31.750** 1.2500	**3.3** .13	**1.49 kg** 3.28 lb	**49.212** 1.9375	
9378	**76.200** 3.0000	**50.800** 2.0000	**3.5** .14	**3.86 kg** 8.52 lb	9378 may be paired with all single cups corresponding to 9380 and will require 3.175 mm (.1250 in) to be added to the T-width values. 9378 may be paired with all double cups corresponding to 9380 and will require 6.350 mm (.2500 in) to be added to the T-width values.						
JF9500 Series											
†JF9549	**95.000** 3.7402	**46.000** 1.8110	**3.0** .12	**2.58 kg** 5.68 lb	**†JF9510**	**160.000** 6.2992	**38.000** 1.4961	**3.0** .12	**1.18 kg** 2.60 lb	**46.000** 1.8110	
9900 Series											9974D: ASYMMETRICAL BEARING
***9974D**	**216.103** 8.5080	**127.000** 5.0000	**1.5** .06	**31.83 kg** 70.18 lb	**9920**	**330.200** 13.0000	**50.800** 2.0000	**3.3** .13	**7.09 kg** 15.64 lb	**130.175** 5.1250	SHOULDER ON OD RIGHTFACE
***9974DW**	**216.103** 8.5080	**127.000** 5.0000	**1.5** .06	**31.80 kg** 70.12 lb							9974DW: ASYMMETRICAL BEARING SHOULDER ON OD RIGHTFACE SLOTS IN LEFTFACE
											9976D: HOLES IN OD CENTER

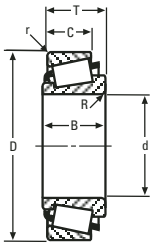
9900 SERIES CONTINUED ON NEXT PAGE

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

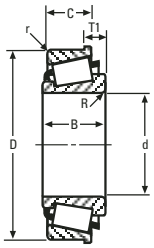
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEAR-ING	Remarks
Number	BORE d	WIDTH B	R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	r ¨	Weight	WIDTH T	
9900 Series (cont)											
***9976D**	**215.900** 8.5000	**193.675** 7.6250	**3.3** .13	**45.67 kg** 100.71 lb	9976D may be paired with all single cups corresponding to 9974D and will require 73.025 mm (2.8750 in) to be added to the T-width values.						
9977D	**216.103** 8.5080	**142.875** 5.6250	**3.3** .13	**36.22 kg** 79.86 lb	9977D may be paired with all single cups corresponding to 9974D and will require 22.225 mm (.8750 in) to be added to the T-width values.						

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

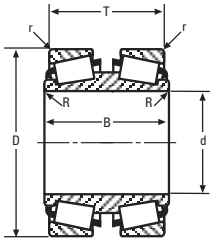
00000 SERIES CONTINUED ON NEXT PAGE



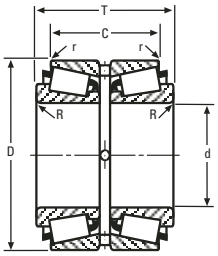
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	CONE Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	CUP Weight	BEARING WIDTH T	Remarks
00000 Series											00153DB: FLANGE ON OD LEFTFACE
00050	**12.700** .5000	**14.072** .5540	**1.5** .06	**.05 kg** .10 lb	**00150**	**38.100** 1.5000	**11.112** .4375	**.8** .03	**.03 kg** .08 lb	**13.495** .5313	0068X: EXTENDED LARGE RIB
00059	**13.500** .5315	**14.072** .5540	**2.5** .10	**.04 kg** .10 lb	**00152**	**38.100** 1.5000	**13.556** .5337	**.8** .03	**.04 kg** .09 lb	**13.736** .5408	
					00152X	**36.512** 1.4375	**11.112** .4375	**1.5** .06	**.03 kg** .06 lb	**13.495** .5313	
					***00153DB**	**38.100** 1.5000	**25.400** 1.0000	**.8** .03	**.09 kg** .20 lb	**30.957** 1.2188	
					00162X	**41.300** 1.6260	**14.288** .5625	**.3** .01	**.07 kg** .14 lb	**13.973** .5501	
00053											
00055	SEE MULTI-ROW STEERING GEAR BEARING SECTION										
00057											
00058											
***00068X**	**11.112** .4375	**18.110** .7130	**.8** .03	**.06 kg** .14 lb	00068X may be paired with all single cups corresponding to 00050 and will require 4.140 mm (.1630 in) to be added to the T-width values. 00068X may be paired with all double cups corresponding to 00050 and will require 8.280 mm (.3260 in) to be added to the T-width values.						
02400 Series											02420-B: FLANGE ON OD FRONT FACE, BEARING WIDTH IS T1 DIMENSION
02473	**25.400** 1.0000	**22.225** .8750	**.8** .03	**.28 kg** .61 lb	**02419**	**66.987** 2.6373	**16.000** .6299	**1.5** .06	**.11 kg** .25 lb	**20.500** .8071	
02473X	**27.988** 1.1019	**20.500** .8071	**.8** .03	**.25 kg** .55 lb	**02420**	**68.262** 2.6875	**17.462** .6875	**1.5** .06	**.15 kg** .33 lb	**22.225** .8750	
02474	**28.575** 1.1250	**22.225** .8750	**.8** .03	**.25 kg** .56 lb	**02420A**	**68.262** 2.6875	**16.238** .6393	**1.5** .06	**.14 kg** .31 lb	**21.000** .8268	
02474A	**29.987** 1.1806	**22.225** .8750	**.8** .03	**.24 kg** .54 lb	***02420-B**	**68.262** 2.6875	**17.462** .6875	**1.5** .06	**.20 kg** .45 lb	**8.730** .3437	
02474W	**28.575** 1.1250	**22.225** .8750	**.8** .03	**.25 kg** .54 lb	**02421**	**68.262** 2.6875	**17.462** .6875	**.8** .03	**.15 kg** .33 lb	**22.225** .8750	
02475	**31.750** 1.2500	**22.225** .8750	**3.5** .14	**.22 kg** .49 lb							
02475A	**31.750** 1.2500	**22.225** .8750	**1.5** .06	**.23 kg** .50 lb							
02475W	**31.750** 1.2500	**22.225** .8750	**.8** .03	**.22 kg** .47 lb							
02476	**31.750** 1.2500	**22.225** .8750	**.8** .03	**.23 kg** .50 lb							
02476X	**31.986** 1.2593	**20.500** .8071	**.8** .03	**.22 kg** .48 lb							
02800 Series											02823D : GROOVE IN OD CENTER HOLES IN OD CENTER
02872	**28.575** 1.1250	**22.225** .8750	**.8** .03	**.33 kg** .72 lb	**02820**	**73.025** 2.8750	**17.462** .6875	**3.3** .13	**.15 kg** .34 lb	**22.225** .8750	
02875	**31.750** 1.2500	**22.225** .8750	**3.5** .14	**.29 kg** .65 lb	***02823D**	**76.200** 3.0000	**38.100** 1.5000	**.8** .03	**.47 kg** 1.04 lb	**47.625** 1.8750	
02876	**31.750** 1.2500	**22.225** .8750	**.8** .03	**.30 kg** .66 lb	**02830**	**73.025** 2.8750	**17.462** .6875	**.8** .03	**.16 kg** .36 lb	**22.225** .8750	
02877	**34.925** 1.3750	**22.225** .8750	**3.5** .14	**.26 kg** .58 lb	**02831**	**80.962** 3.1875	**17.462** .6875	**.8** .03	**.29 kg** .65 lb	**22.225** .8750	
02878	**34.925** 1.3750	**22.225** .8750	**.8** .03	**.27 kg** .59 lb							
02884	**36.449** 1.4350	**22.225** .8750	**.8** .03	**.25 kg** .56 lb							
03000 Series											NA03063-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
03062	**15.875** .6250	**14.681** .5780	**1.3** .05	**.06 kg** .13 lb	**03157X**	**40.000** 1.5748	**11.112** .4375	**1.5** .06	**.03 kg** .06 lb	**14.287** .5625	K24429 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
03066X	**17.000** .6693	**14.681** .5780	**.8** .03	**.06 kg** .13 lb	**03162**	**41.275** 1.6250	**11.112** .4375	**2.0** .08	**.03 kg** .08 lb	**14.287** .5625	

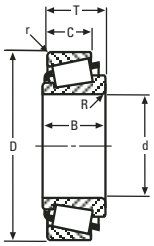
03000 SERIES CONTINUED ON NEXT PAGE

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

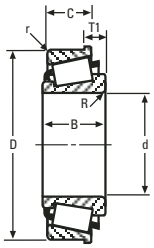
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
03000 Series (cont)											
***NA03063-SW**	**15.875** .6250	**18.258** .7188	**.8** .03	**.14 kg** .31 lb	***K24429**	**50.800** 2.0000	**34.925** 1.3750	**2.8** .11	**.27 kg** .59 lb	**36.515** 1.4376	
					K35667	**53.975** 2.1250	**34.925** 1.3750	**3.3** .13	**.34 kg** .75 lb	**36.515** 1.4376	
					K90651	**50.800** 2.0000	**34.925** 1.3750	**2.3** .09	**.28 kg** .62 lb	**36.515** 1.4376	
					K97770	**52.388** 2.0625	**34.925** 1.3750	**3.3** .13	**.33 kg** .72 lb	**36.515** 1.4376	
05000 Series											NA05076-SW: EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE
05062	**15.875** .6250	**14.381** .5662	**1.5** .06	**-** -	**05175**	**44.450** 1.7500	**11.430** .4500	**1.5** .06	**.03 kg** .07 lb	**15.494** .6100	
05066	**16.993** .6690	**14.381** .5662	**1.5** .06	**-** -	***05180D**	**45.984** 1.8104	**25.212** .9926	**.8** .03	**.11 kg** .24 lb	**31.750** 1.2500	05180D : GROOVE IN OD CENTER HOLES IN OD CENTER
05068	**17.462** .6875	**14.381** .5662	**.8** .03	**-** -	**05185**	**47.000** 1.8504	**11.112** .4375	**1.3** .05	**.05 kg** .10 lb	**14.381** .5662	05185-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
05070X	**18.000** .7087	**14.381** .5662	**1.5** .06	**-** -	**05185A**	**46.982** 1.8497	**11.112** .4375	**1.5** .06	**.05 kg** .10 lb	**14.381** .5662	
05070XS	**17.988** .7082	**14.381** .5662	**2.0** .08	**-** -	***05185-B**	**47.000** 1.8504	**11.112** .4375	**1.5** .06	**.05 kg** .12 lb	**6.038** .2377	05185D : GROOVE IN OD CENTER HOLES IN OD CENTER
05075	**19.050** .7500	**14.381** .5662	**1.3** .05	**-** -	***05185D**	**47.000** 1.8504	**25.212** .9926	**.8** .03	**.11 kg** .24 lb	**31.750** 1.2500	K39214 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
05075X	**19.050** .7500	**14.381** .5662	**1.5** .06	**-** -	**05185-S**	**47.000** 1.8504	**11.112** .4375	**1.5** .06	**.05 kg** .10 lb	**14.381** .5662	
05075XS	**19.050** .7500	**14.381** .5662	**1.5** .06	**-** -	**05186**	**46.990** 1.8500	**12.000** .4724	**1.5** .06	**.05 kg** .11 lb	**15.250** .6004	K104605 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
05079	**19.987** .7869	**14.381** .5662	**1.5** .06	**-** -							K312495 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD SPHERICAL OD
NA05075	**19.050** .7500	**15.875** .6250	**1.3** .05	**-** -	***05180D**	**45.984** 1.8104	**25.212** .9926	**.8** .03	**.11 kg** .24 lb	**31.750** 1.2500	
					***05185D**	**47.000** 1.8504	**25.212** .9926	**.8** .03	**.11 kg** .24 lb	**31.750** 1.2500	
					***K39214**	**63.500** 2.5000	**33.338** 1.3125	**spcl.** spcl.	**.49 kg** 1.07 lb	**31.750** 1.2500	
					***K104605**	**57.150** 2.2500	**33.338** 1.3125	**spcl.** spcl.	**.33 kg** .72 lb	**31.750** 1.2500	
					K108609	**63.500** 2.5000	**33.338** 1.3125	**-** -	**.44 kg** .98 lb	**31.750** 1.2500	
					***K312495**	**63.500** 2.5000	**33.338** 1.3125	**spcl.** spcl.	**.38 kg** .84 lb	**31.750** 1.2500	
***NA05076-SW**	**19.050** .7500	**17.462** .6875	**.8** .03	**-** -	NA05076-SW may be paired with all double cups corresponding to NA05075 and will require 3.175 mm (.1250 in) to be added to the T-width values.						
07000 Series											07196-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
07079	**20.000** .7874	**14.260** .5614	**1.5** .06	**.10 kg** .22 lb	**07196**	**50.005** 1.9687	**9.525** .3750	**1.0** .04	**.03 kg** .08 lb	**13.495** .5313	
07079X	**19.987** .7869	**14.260** .5614	**1.5** .06	**.10 kg** .22 lb	***07196-B**	**50.005** 1.9687	**9.525** .3750	**1.0** .04	**.04 kg** .09 lb	**6.749** .2657	07196D: GROOVE IN OD CENTER HOLES IN OD CENTER
07087	**22.225** .8750	**14.260** .5614	**1.3** .05	**.09 kg** .21 lb	***07196D**	**50.005** 1.9687	**25.400** 1.0000	**.6** .02	**.10 kg** .23 lb	**33.341** 1.3126	07196DC: HOLES IN OD CENTER
07087X	**22.225** .8750	**14.260** .5614	**1.5** .06	**.09 kg** .21 lb	***07196DC**	**50.005** 1.9687	**25.400** 1.0000	**.6** .02	**.10 kg** .23 lb	**33.341** 1.3126	07204-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
07090X	**22.987** .9050	**14.260** .5614	**2.5** .10	**.09 kg** .20 lb	**07204**	**51.994** 2.0470	**12.700** .5000	**1.3** .05	**.06 kg** .13 lb	**15.011** .5910	07205-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
07093	**23.812** .9375	**14.260** .5614	**1.5** .06	**.09 kg** .19 lb	***07204-B**	**51.994** 2.0470	**12.700** .5000	**1.5** .06	**.07 kg** .15 lb	**5.080** .2000	

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

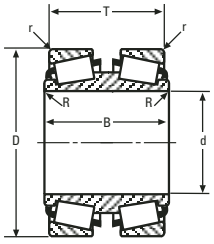
07000 SERIES CONTINUED ON NEXT PAGE



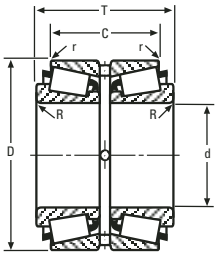
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	CONE Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	CUP Weight	BEARING WIDTH T	Remarks
07000 Series (cont)											07210XB: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
07096	**25.159** .9905	**14.260** .5614	**1.5** .06	**.08 kg** .18 lb	**07205**	**52.000** 2.0472	**12.700** .5000	**2.0** .08	**.06 kg** .13 lb	**15.011** .5910	
07097	**25.000** .9843	**14.260** .5614	**1.5** .06	**.08 kg** .18 lb	***07205-B**	**52.000** 2.0472	**12.700** .5000	**1.5** .06	**.07 kg** .15 lb	**5.080** .2000	
07098	**24.981** .9835	**14.260** .5614	**1.5** .06	**.08 kg** .18 lb	**07205X**	**51.986** 2.0467	**13.000** .5118	**1.5** .06	**.07 kg** .14 lb	**16.249** .6397	
07098W	**24.981** .9835	**14.260** .5614	**1.5** .06	**.08 kg** .18 lb	**07210X**	**50.800** 2.0000	**12.700** .5000	**1.5** .06	**.05 kg** .11 lb	**15.011** .5910	
07099	**25.273** .9950	**14.260** .5614	**1.5** .06	**.08 kg** .18 lb	***07210XB**	**50.800** 2.0000	**12.700** .5000	**1.5** .06	**.06 kg** .13 lb	**5.080** .2000	
07100	**25.400** 1.0000	**14.260** .5614	**1.0** .04	**.08 kg** .18 lb							
07100-S	**25.400** 1.0000	**14.260** .5614	**1.5** .06	**.08 kg** .18 lb							
07100-SA	**25.400** 1.0000	**14.260** .5614	**3.3** .13	**.08 kg** .17 lb							
07100W	**25.400** 1.0000	**14.260** .5614	**1.0** .04	**.08 kg** .18 lb							
07100D	**25.400** 1.0000	**36.512** 1.4375	**.8** .03	**.22 kg** .48 lb	**07196**	**50.005** 1.9687	**9.525** .3750	**1.0** .04	**.03 kg** .08 lb	**27.046** 1.0648	
07101DW	**25.400** 1.0000	**36.512** 1.4375	**.8** .03	**.22 kg** .48 lb	**07204**	**51.994** 2.0470	**12.700** .5000	**1.3** .05	**.06 kg** .13 lb	**30.079** 1.1842	
					07205	**52.000** 2.0472	**12.700** .5000	**2.0** .08	**.06 kg** .13 lb	**30.079** 1.1842	
					07205X	**51.986** 2.0467	**13.000** .5118	**1.5** .06	**.07 kg** .14 lb	**32.553** 1.2816	
					07210X	**50.800** 2.0000	**12.700** .5000	**1.5** .06	**.05 kg** .11 lb	**30.079** 1.1842	
08000 Series											08118DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
08118	**30.162** 1.1875	**15.080** .5937	**3.5** .14	**.11 kg** .25 lb	***08231-B**	**58.738** 2.3125	**10.716** .4219	**1.0** .04	**.06 kg** .13 lb	**6.736** .2652	
08125	**31.750** 1.2500	**15.080** .5937	**1.0** .04	**.11 kg** .24 lb	**08231**	**58.738** 2.3125	**10.716** .4219	**1.0** .04	**.06 kg** .12 lb	**14.683** .5781	08118DAA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
08125W	**31.750** 1.2500	**15.080** .5937	**1.0** .04	**.11 kg** .24 lb	***08231D**	**58.738** 2.3125	**24.608** .9688	**.4** .02	**.13 kg** .29 lb	**32.542** 1.2812	08118DE: EXTENDED SMALL RIB HOLES IN OD RIGHTFACE
					08237	**58.788** 2.3145	**10.716** .4219	**1.0** .04	**.06 kg** .12 lb	**14.683** .5781	08118DEE: EXTENDED SMALL RIB
***08118DA**	**30.162** 1.1875	**60.325** 2.3750	**.8** .03	**.40 kg** .88 lb	**08231**	**58.738** 2.3125	**10.716** .4219	**1.0** .04	**.06 kg** .12 lb	**29.154** 1.1478	08125DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
***08118DAA**	**30.162** 1.1875	**60.325** 2.3750	**.8** .03	**.40 kg** .88 lb	**08237**	**58.788** 2.3145	**10.716** .4219	**1.0** .04	**.06 kg** .12 lb	**29.154** 1.1478	08125DAA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
***08118DE**	**30.162** 1.1875	**69.850** 2.7500	**.8** .03	**.44 kg** .98 lb							
***08118DEE**	**30.162** 1.1875	**69.850** 2.7500	**.8** .03	**.44 kg** .98 lb							08125DE: EXTENDED SMALL RIB
***08125DA**	**31.750** 1.2500	**60.325** 2.3750	**.8** .03	**.36 kg** .80 lb							08125DEE: EXTENDED SMALL RIB
***08125DAA**	**31.750** 1.2500	**60.325** 2.3750	**.8** .03	**.36 kg** .80 lb							08231-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
***08125DE**	**31.750** 1.2500	**69.850** 2.7500	**.8** .03	**.41 kg** .90 lb							08231D : GROOVE IN OD CENTER HOLES IN OD CENTER
***08125DEE**	**31.750** 1.2500	**69.850** 2.7500	**.8** .03	**.41 kg** .90 lb							
NA08125	**31.750** 1.2500	**16.271** .6406	**1.5** .06	**-** -	***08231D**	**58.738** 2.3125	**24.608** .9688	**.4** .02	**.13 kg** .29 lb	**32.542** 1.2812	
09000 Series											09070: BACKFACE CHAMFER
09062	**15.875** .6250	**21.539** .8480	**.8** .03	**.13 kg** .29 lb	**09194**	**49.225** 1.9380	**17.462** .6875	**3.5** .14	**.08 kg** .17 lb	**23.020** .9063	FRONTFACE CHAMFER
***09070**	**17.653** .6950	**21.539** .8480	**spcl.** spcl.	**.12 kg** .27 lb	**09194-S**	**52.883** 2.0820	**14.684** .5781	**3.3** .13	**.10 kg** .21 lb	**20.241** .7969	09072W: FRONTFACE CHAMFER KEYWAY IN BACKFACE
***09072W**	**18.313** .7210	**21.539** .8480	**.8** .03	**.10 kg** .23 lb	**09195**	**49.225** 1.9380	**14.288** .5625	**1.3** .05	**.06 kg** .14 lb	**19.845** .7813	

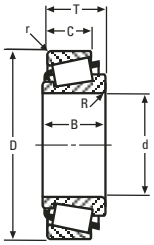
09000 SERIES CONTINUED ON NEXT PAGE

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

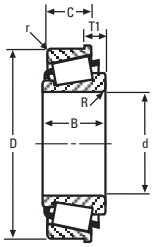
CONE					CUP					BEARING	Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	Max Hs'ng Fillet Radii r ¨	Weight	WIDTH T	
09000 Series (cont)											09073T: BROKEN BACKFACE ID
***09073T**	**19.050** .7500	**21.539** .8480	**.3** .01	**.09 kg** .19 lb	***09195AB**	**49.225** 1.9380	**14.288** .5625	**1.3** .05	**.07 kg** .16 lb	**8.809** .3468	FRONTFACE CHAMFER SHOULDER ON ID BACKFACE
***09074**	**19.050** .7500	**21.539** .8480	**spcl.** spcl.	**.12 kg** .26 lb	**09196**	**49.225** 1.9380	**17.462** .6875	**1.5** .06	**.08 kg** .18 lb	**23.020** .9063	09074: BACKFACE CHAMFER
***09074A**	**19.050** .7500	**21.539** .8480	**spcl.** spcl.	**-** -	**09199**	**49.225** 1.9380	**27.239** 1.0724	**1.3** .05	**.14 kg** .32 lb	**32.545** 1.2813	09074A: BACKFACE CHAMFER
09078	**19.050** .7500	**21.539** .8480	**1.3** .05	**.12 kg** .26 lb	**09201**	**50.800** 2.0000	**17.462** .6875	**.5** .02	**.09 kg** .21 lb	**20.637** .8125	09075: BACKFACE CHAMFER
09081	**20.625** .8120	**21.539** .8480	**1.5** .06	**.11 kg** .24 lb	**09207**	**52.819** 2.0795	**14.173** .5580	**1.5** .06	**.10 kg** .21 lb	**19.731** .7768	EXTENDED LARGE RIB FRONTFACE CHAMFER
***09081-S**	**20.612** .8115	**21.539** .8480	**spcl.** spcl.	**.11 kg** .24 lb	***T48651**	**49.225** 1.9380	**13.056** .5140	**-** -	**.06 kg** .13 lb	**19.366** .7625	SHOULDER ON OD BACKFACE THREADED BORE
											09076: BACKFACE CHAMFER EXTENDED LARGE RIB FRONTFACE CHAMFER SHOULDER ON OD BACKFACE THREADED BORE
											09079: NO SMALL RIB
											09081-S: BACKFACE CHAMFER
											09195AB: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
											09195DB: FLANGE ON OD RIGHTFACE
											T48651 : BROKEN CORNER ON BACKFACE OD BROKEN CORNER ON FRONTFACE OD
09067	**19.050** .7500	**19.050** .7500	**1.3** .05	**.11 kg** .24 lb	**09194**	**49.225** 1.9380	**17.462** .6875	**3.5** .14	**.08 kg** .17 lb	**21.209** .8350	
					09194-S	**52.883** 2.0820	**14.684** .5781	**3.3** .13	**.10 kg** .21 lb	**18.430** .7256	
					09195	**49.225** 1.9380	**14.288** .5625	**1.3** .05	**.06 kg** .14 lb	**18.034** .7100	
					***09195AB**	**49.225** 1.9380	**14.288** .5625	**1.3** .05	**.07 kg** .16 lb	**6.998** .2755	
					***09195DB**	**49.225** 1.9380	**31.549** 1.2421	**.8** .03	**.17 kg** .38 lb	**39.042** 1.5371	
					09196	**49.225** 1.9380	**17.462** .6875	**1.5** .06	**.08 kg** .18 lb	**21.209** .8350	
					09199	**49.225** 1.9380	**27.239** 1.0724	**1.3** .05	**.14 kg** .32 lb	**30.734** 1.2100	
					09201	**50.800** 2.0000	**17.462** .6875	**.5** .02	**.09 kg** .21 lb	**18.826** .7412	
					09207	**52.819** 2.0795	**14.173** .5580	**1.5** .06	**.10 kg** .21 lb	**17.920** .7055	
					***T48651**	**49.225** 1.9380	**13.056** .5140	**-** -	**.06 kg** .13 lb	**17.555** .6912	
***09075**	**19.000** .7480	**22.332** .8792	**spcl.** spcl.	**.13 kg** .29 lb	09075 and grouped cones may be paired with all single cups corresponding to 09062 and will require .792 mm (.0312 in) to be added to the T-width values.						
***09076**	**19.000** .7480	**22.332** .8792	**spcl.** spcl.	**.11 kg** .23 lb							
***09079**	**19.050** .7500	**17.475** .6880	**1.5** .06	**-** -	09079 may be paired with all single cups corresponding to 09067 and will require .389 mm (.0153 in) to be added to the T-width values. 09079 may be paired with all double cups corresponding to 09067 and will require .777 mm (.0306 in) to be added to the T-width values.						
JP10000 Series											JP10048: NO LARGE RIB STRAIGHT OD
†JP10044	**95.000** 3.7402	**22.500** .8858	**3.0** .12	**.96 kg** 2.11 lb	***†JP10010-B**	**140.000** 5.7087	**17.500** .6890	**3.0** .12	**.37 kg** .81 lb	**10.500** .4134	NO SMALL RIB
†JP10049	**100.000** 3.9370	**22.500** .8858	**3.0** .12	**.82 kg** 1.81 lb	**†JP10010A**	**140.000** 5.7087	**17.500** .6890	**.8** .03	**.33 kg** .73 lb	**24.000** .9449	JP10010-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
†JP10049A	**100.000** 3.9370	**22.500** .8858	**5.0** .20	**.82 kg** 1.81 lb	**†JP10010**	**140.000** 5.7087	**17.500** .6890	**3.0** .12	**.31 kg** .69 lb	**24.000** .9449	

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

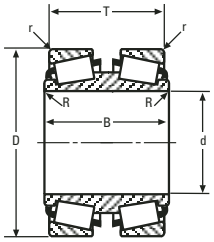
JP10000 SERIES CONTINUED ON NEXT PAGE



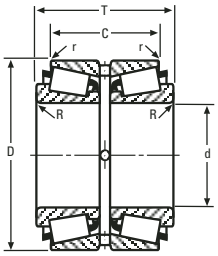
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	CONE Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	CUP Weight	BEARING WIDTH T	Remarks
JP10000 Series (cont)											
***†JP10048**	**95.000** 3.7402	**28.000** 1.1024	**3.0** .12	**-** -	JP10048 may be paired with all single cups corresponding to JP10044 and will require -4.785 mm (-.1660 in) to be added to the T-width values.						
†JP10049H	SEE HYDRA-RIB BEARING SECTION				**†JP10019HRA** **†JP10019HR**	SEE HYDRA-RIB BEARING SECTION					
11000 Series											11300-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
11157	**39.980** 1.5740	**17.384** .6844	**1.5** .06	**.22 kg** .49 lb	***11300-B**	**76.200** 3.0000	**14.288** .5625	**1.5** .06	**.14 kg** .32 lb	**7.293** .2871	SPECIAL RADIUS ON BACKFACE OD
11157X	**40.000** 1.5748	**17.384** .6844	**1.8** .07	**.22 kg** .49 lb	**11300**	**76.200** 3.0000	**14.288** .5625	**1.5** .06	**.13 kg** .28 lb	**18.009** .7090	
11162	**41.275** 1.6250	**17.384** .6844	**1.5** .06	**.21 kg** .47 lb	**11315-S**	**80.000** 3.1496	**14.288** .5625	**2.0** .08	**.18 kg** .39 lb	**18.009** .7090	
11163	**41.275** 1.6250	**17.384** .6844	**.8** .03	**.21 kg** .47 lb	**11315**	**80.000** 3.1496	**14.288** .5625	**1.5** .06	**.18 kg** .39 lb	**18.009** .7090	
11165X	**42.000** 1.6535	**17.384** .6844	**1.8** .07	**.20 kg** .45 lb							
JP11000 Series											
***†JP11035**	SEE HYDRA-RIB BEARING SECTION				***†JP11019HR**	SEE HYDRA-RIB BEARING SECTION					
***†JP11048**											
11500 Series											
11590	**15.875** .6250	**14.288** .5625	**1.5** .06	**.06 kg** .13 lb	**11520**	**42.862** 1.6875	**9.525** .3750	**1.5** .06	**.04 kg** .09 lb	**14.287** .5625	
11590A	**15.875** .6250	**14.288** .5625	**3.5** .14	**.06 kg** .14 lb							
LM11700 Series											
LM11749	**17.462** .6875	**14.605** .5750	**1.3** .05	**.06 kg** .12 lb	**LM11710**	**39.878** 1.5700	**10.668** .4200	**1.3** .05	**.03 kg** .06 lb	**13.843** .5450	
LM11749F	**17.462** .6875	**14.605** .5750	**1.3** .05	**-** -							
LM11900 Series											LM11919 : CHAMFER ON FRONTFACE OD
LM11949	**19.050** .7500	**16.637** .6550	**1.3** .05	**-** -	**LM11910**	**45.237** 1.7810	**12.065** .4750	**1.3** .05	**.04 kg** .10 lb	**15.494** .6100	
LM11949F	**19.050** .7500	**16.637** .6550	**1.3** .05	**-** -	***LM11919**	**52.800** 2.0787	**14.605** .5750	**1.3** .05	**.12 kg** .26 lb	**18.034** .7100	
12000 Series											12303-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
12168	**42.862** 1.6875	**17.145** .6750	**1.5** .06	**.23 kg** .50 lb	***12303-B**	**76.992** 3.0312	**11.908** .4688	**1.5** .06	**.11 kg** .24 lb	**9.126** .3593	
12175	**44.450** 1.7500	**17.145** .6750	**1.5** .06	**.21 kg** .47 lb	**12303**	**76.992** 3.0312	**11.908** .4688	**1.5** .06	**.10 kg** .21 lb	**17.464** .6876	SPECIAL RADIUS ON BACKFACE OD
JP12000 Series											JP12049: FRONTFACE CHAMFER
***†JP12049**	**120.000** 4.7244	**25.000** .9843	**3.0** .12	**1.25 kg** 2.76 lb	**†JP12010**	**170.000** 6.6929	**19.500** .7677	**3.0** .12	**.48 kg** 1.07 lb	**27.000** 1.0630	JP12049A: FRONTFACE CHAMFER
***†JP12049A**	**120.000** 4.7244	**25.000** .9843	**6.0** .24	**1.23 kg** 2.71 lb							
†JP12043P	SEE HYDRA-RIB BEARING SECTION				**†JP12019HR**	SEE HYDRA-RIB BEARING SECTION					
†JP12049P											
M12400 Series											
M12430					**M12411DB**	SEE MULTI-ROW STEERING GEAR BEARING SECTION					
M12431	SEE MULTI-ROW STEERING GEAR BEARING SECTION										
M12448											

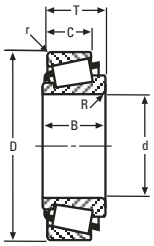
12500 SERIES CONTINUED ON NEXT PAGE

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

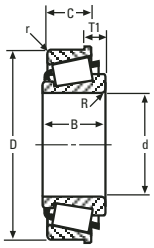
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	r ¨	Weight	WIDTH T	
12500 Series											NA12581-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
12580	**20.638** .8125	**19.845** .7813	**1.5** .06	**.12 kg** .26 lb	**12520**	**49.225** 1.9380	**15.875** .6250	**1.5** .06	**.07 kg** .15 lb	**19.845** .7813	T70335 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
					***T70335**	**76.200** 3.0000	**46.833** 1.8438	**5.0** .20	**1.12 kg** 2.48 lb	**43.663** 1.7190	
***NA12581-SW**	**20.638** .8125	**24.211** .9532	**1.5** .06	**.29 kg** .65 lb	**K38958**	**76.200** 3.0000	**46.833** 1.8438	**3.3** .13	**1.12 kg** 2.48 lb	**48.423** 1.9064	
					***T70335**	**76.200** 3.0000	**46.833** 1.8438	**5.0** .20	**1.12 kg** 2.48 lb	**48.423** 1.9064	
M12600 Series											
M12648	**22.225** .8750	**18.288** .7200	**1.3** .05	**.11 kg** .23 lb	**M12610**	**50.005** 1.9687	**13.970** .5500	**1.3** .05	**.06 kg** .13 lb	**17.526** .6900	
M12648A	**22.225** .8750	**18.288** .7200	**.4** .01	**.11 kg** .23 lb							
M12649	**21.430** .8437	**18.288** .7200	**1.3** .05	**.11 kg** .24 lb							
M12649F	**21.430** .8437	**18.288** .7200	**1.3** .05	**-** -							
M12649X	**21.430** .8437	**18.288** .7200	**3.5** .14	**.11 kg** .24 lb							
LM12700 Series											JLM12712-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION SPECIAL RADIUS ON BACKFACE OD
LM12748	**21.430** .8437	**16.637** .6550	**1.3** .05	**-** -	**LM12710**	**45.237** 1.7810	**12.065** .4750	**1.3** .05	**.04 kg** .08 lb	**15.494** .6100	
LM12748F	**21.430** .8437	**16.637** .6550	**1.3** .05	**.08 kg** .17 lb	**LM12710P**	**45.237** 1.7810	**12.065** .4750	**1.3** .05	**.04 kg** .08 lb	**15.494** .6100	
LM12749	**21.986** .8656	**16.637** .6550	**1.3** .05	**-** -	**LM12711**	**45.974** 1.8100	**12.065** .4750	**1.3** .05	**.04 kg** .09 lb	**15.494** .6100	
LM12749F	**21.986** .8656	**16.637** .6550	**1.3** .05	**.07 kg** .16 lb	***†JLM12712-B**	**45.000** 1.7717	**12.065** .4750	**spcl.** spcl.	**.05 kg** .11 lb	**6.429** .2531	
LM12749FP	**21.986** .8656	**16.637** .6550	**1.3** .05	**.07 kg** .16 lb							
13000 Series											
13169D	**42.862** 1.6875	**31.750** 1.2500	**.8** .03	**.59 kg** 1.31 lb	**13318**	**80.962** 3.1875	**14.288** .5625	**1.5** .06	**.14 kg** .31 lb	**34.925** 1.3750	
13176D	**44.450** 1.7500	**31.750** 1.2500	**.1** .01	**.57 kg** 1.25 lb							
13182D	**46.038** 1.8125	**31.750** 1.2500	**.8** .03	**.55 kg** 1.22 lb							
13175	**44.450** 1.7500	**17.462** .6875	**.1** .01	**.24 kg** .54 lb	**13318**	**80.962** 3.1875	**14.288** .5625	**1.5** .06	**.14 kg** .31 lb	**19.050** .7500	
13181	**46.038** 1.8125	**17.462** .6875	**.8** .03	**.23 kg** .51 lb							
JP13000 Series											JP13010-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
†JP13049	**130.000** 5.1181	**27.000** 1.0630	**3.0** .12	**1.58 kg** 3.47 lb	***†JP13010-B**	**185.000** 7.2835	**21.000** .8268	**3.0** .12	**.67 kg** 1.48 lb	**13.000** .5118	
†JP13049A	**130.000** 5.1181	**27.000** 1.0630	**6.0** .24	**1.56 kg** 3.45 lb	**†JP13010**	**185.000** 7.2835	**21.000** .8268	**3.0** .12	**.59 kg** 1.30 lb	**29.000** 1.1417	
†JP13043P	SEE HYDRA-RIB BEARING SECTION				**†JP13016HR**	SEE HYDRA-RIB BEARING SECTION					
†JP13049P											
13600 Series											13677-SD: SQUARE BORE
***13677-SD**	**39.548** 1.5570	**85.725** 3.3750	**.4** .01	**.77 kg** 1.69 lb	**13620**	**69.012** 2.7170	**15.083** .5938	**.8** .03	**.10 kg** .23 lb	**41.275** 1.6250	13678-SD: SQUARE BORE
***13678-SD**	**39.548** 1.5570	**73.025** 2.8750	**.4** .01	**.69 kg** 1.52 lb	**13621**	**69.012** 2.7170	**15.083** .5938	**2.3** .09	**.10 kg** .22 lb	**41.275** 1.6250	13686 : EXTENDED LARGE RIB
					13621A	**69.012** 2.7170	**14.321** .5638	**2.3** .09	**.09 kg** .20 lb	**39.751** 1.5650	13621D : GROOVE IN OD CENTER HOLES IN OD CENTER
					***13623X**	**69.012** 2.7170	**18.463** .7269	**.4** .02	**.14 kg** .30 lb	**48.036** 1.8912	
					13624	**69.969** 2.7547	**18.029** .7098	**1.5** .06	**.15 kg** .33 lb	**47.168** 1.8570	13621DC: HOLES IN OD CENTER

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

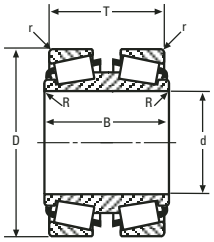
13600 SERIES CONTINUED ON NEXT PAGE



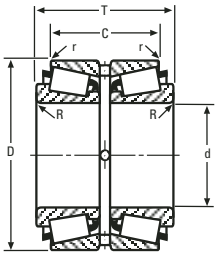
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	CONE Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	CUP Weight	BEARING WIDTH T	Remarks
13600 Series (cont)											13623X: GROOVE IN OD BACKFACE
13682	**36.512** 1.4375	**19.050** .7500	**3.5** .14	**.20 kg** .43 lb	**13620**	**69.012** 2.7170	**15.083** .5938	**.8** .03	**.10 kg** .23 lb	**19.050** .7500	
13685	**38.100** 1.5000	**19.050** .7500	**3.5** .14	**.18 kg** .40 lb	**13621**	**69.012** 2.7170	**15.083** .5938	**2.3** .09	**.10 kg** .22 lb	**19.050** .7500	
13685A	**38.100** 1.5000	**19.050** .7500	**.8** .03	**.19 kg** .41 lb	**13621A**	**69.012** 2.7170	**14.321** .5638	**2.3** .09	**.09 kg** .20 lb	**18.288** .7200	
13685W	**38.100** 1.5000	**19.050** .7500	**3.5** .14	**.19 kg** .42 lb	***13621D**	**69.012** 2.7170	**38.100** 1.5000	**.8** .03	**.27 kg** .59 lb	**46.206** 1.8191	
13687	**38.100** 1.5000	**19.050** .7500	**2.0** .08	**.19 kg** .41 lb	***13621DC**	**69.012** 2.7170	**38.100** 1.5000	**.8** .03	**.29 kg** .64 lb	**46.035** 1.8124	
					***13623X**	**69.012** 2.7170	**18.463** .7269	**.4** .02	**.14 kg** .30 lb	**22.431** .8831	
					13624	**69.969** 2.7547	**18.029** .7098	**1.5** .06	**.15 kg** .33 lb	**21.996** .8660	
NA13687	**38.100** 1.5000	**23.017** .9062	**2.0** .08	**.41 kg** .89 lb	***13621D**	**69.012** 2.7170	**38.100** 1.5000	**.8** .03	**.27 kg** .59 lb	**46.035** 1.8124	
					***13621DC**	**69.012** 2.7170	**38.100** 1.5000	**.8** .03	**.29 kg** .64 lb	**46.035** 1.8124	
***13686**	**38.100** 1.5000	**26.195** 1.0313	**1.5** .06	**.25 kg** .54 lb	13686 may be paired with all single cups corresponding to 13682 and will require 7.145 mm (.2813 in) to be added to the T-width values. 13686 may be paired with all double cups corresponding to 13682 and will require 14.290 mm (.5626 in) to be added to the T-width values.						
13800 Series											13835D : GROOVE IN OD CENTER
13889	**38.100** 1.5000	**11.908** .4688	**1.5** .06	**-** -	**13830**	**63.500** 2.5000	**9.525** .3750	**.8** .03	**.04 kg** .10 lb	**12.700** .5000	HOLES IN OD CENTER
13890	**38.481** 1.5150	**11.908** .4688	**.4** .01	**-** -	**13830CP**	**63.500** 2.5000	**9.525** .3750	**.8** .03	**-** -	**12.700** .5000	13836-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
					***13835D**	**63.500** 2.5000	**31.750** 1.2500	**.4** .02	**.17 kg** .38 lb	**38.100** 1.5000	
					13836	**65.088** 2.5625	**9.525** .3750	**.8** .03	**.06 kg** .12 lb	**12.700** .5000	
					***13836-B**	**65.088** 2.5625	**9.525** .3750	**.8** .03	**.06 kg** .14 lb	**5.944** .2340	
14000 Series											14117A: FRONTFACE CHAMFER
14116	**30.226** 1.1900	**19.583** .7710	**.8** .03	**.23 kg** .51 lb	**14272**	**69.012** 2.7170	**14.288** .5625	**3.3** .13	**.11 kg** .25 lb	**19.050** .7500	14118: FRONTFACE CHAMFER
14116W	**30.226** 1.1900	**19.583** .7710	**.8** .03	**.22 kg** .49 lb	***14273**	**69.012** 2.7170	**16.954** .6675	**spcl.** spcl.	**.11 kg** .25 lb	**19.337** .7613	14118DA: ASYMMETRICAL BEARING EXTENDED SMALL RIB HOLES IN OD RIGHTFACE
***14117A**	**30.000** 1.1811	**19.583** .7710	**3.5** .14	**.23 kg** .51 lb	**14274**	**69.012** 2.7170	**15.875** .6250	**3.3** .13	**.13 kg** .28 lb	**19.845** .7813	
***14118**	**30.000** 1.1811	**19.202** .7560	**.8** .03	**.23 kg** .50 lb	**14274A**	**68.956** 2.7148	**15.875** .6250	**3.3** .13	**.12 kg** .28 lb	**19.845** .7813	14119A: FRONTFACE CHAMFER
14118A	**30.000** 1.1811	**19.583** .7710	**3.5** .14	**.23 kg** .51 lb	**14274-S**	**75.311** 2.9650	**15.875** .6250	**3.3** .13	**.21 kg** .47 lb	**19.845** .7813	14120: EXTENDED LARGE RIB SHOULDER ON OD BACKFACE
14118AS	**29.987** 1.1806	**19.202** .7560	**.8** .03	**.23 kg** .51 lb	**14275A**	**69.850** 2.7500	**15.875** .6250	**1.5** .06	**.14 kg** .32 lb	**19.845** .7813	
***14119A**	**30.226** 1.1900	**19.583** .7710	**.8** .03	**.23 kg** .50 lb	**14276**	**69.012** 2.7170	**15.875** .6250	**1.3** .05	**.13 kg** .29 lb	**19.845** .7813	14120A: EXTENDED LARGE RIB SHOULDER ON OD BACKFACE
***14123T**	**31.750** 1.2500	**19.583** .7710	**1.5** .06	**.21 kg** .47 lb	***14276-B**	**69.012** 2.7170	**15.875** .6250	**.8** .03	**.14 kg** .32 lb	**7.932** .3123	14121: EXTENDED LARGE RIB
14124	**31.750** 1.2500	**19.583** .7710	**.8** .03	**.22 kg** .49 lb	***14276D**	**69.012** 2.7170	**38.100** 1.5000	**.8** .03	**.30 kg** .67 lb	**46.040** 1.8126	14123A: EXTENDED LARGE RIB
14124C	**31.750** 1.2500	**19.583** .7710	**.8** .03	**.22 kg** .48 lb	**14277**	**69.012** 2.7170	**18.415** .7250	**2.3** .09	**.16 kg** .35 lb	**22.385** .8813	SHOULDER ON OD BACKFACE
14125A	**31.750** 1.2500	**19.583** .7710	**3.5** .14	**.22 kg** .48 lb	**14282**	**71.996** 2.8345	**15.032** .5918	**1.5** .06	**.16 kg** .36 lb	**19.002** .7481	14123AA: EXTENDED LARGE RIB SHOULDER ON OD BACKFACE
14125W	**31.750** 1.2500	**19.583** .7710	**3.5** .14	**.21 kg** .47 lb	**14283**	**72.085** 2.8380	**18.415** .7250	**2.3** .09	**.21 kg** .46 lb	**22.385** .8813	
14130	**33.338** 1.3125	**19.583** .7710	**3.5** .14	**.21 kg** .45 lb	**14284**	**71.996** 2.8345	**18.415** .7250	**2.3** .09	**.21 kg** .46 lb	**22.385** .8813	14123DA: ASYMMETRICAL BEARING HOLES IN OD RIGHTFACE
14130X	**33.338** 1.3125	**19.583** .7710	**1.5** .06	**.21 kg** .45 lb	**14299**	**77.788** 3.0625	**15.875** .6250	**1.3** .05	**.26 kg** .57 lb	**19.845** .7813	14123T: TAPERED BORE

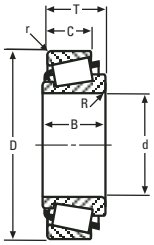
14000 SERIES CONTINUED ON NEXT PAGE

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

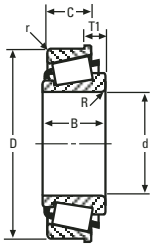
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	r ¨	Weight	WIDTH T	
14000 Series (cont)											
14131	**33.338** 1.3125	**19.583** .7710	**.8** .03	**.21 kg** .46 lb							14132T: TAPERED BORE
14131A	**33.338** 1.3125	**19.583** .7710	**.8** .03	**.20 kg** .45 lb							14136A: EXTENDED LARGE RIB SHOULDER ON OD BACKFACE
***14132T**	**33.338** 1.3125	**19.583** .7710	**1.5** .06	**.20 kg** .45 lb							14136AA: EXTENDED LARGE RIB SHOULDER ON OD BACKFACE
14137A	**34.925** 1.3750	**19.583** .7710	**1.5** .06	**.19 kg** .43 lb							
14137AS	**34.925** 1.3750	**19.583** .7710	**.5** .02	**.19 kg** .43 lb							14273 : SPECIAL CHAMFER ON BACKFACE OD
14138A	**34.925** 1.3750	**19.583** .7710	**3.5** .14	**.19 kg** .42 lb							14276-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
14139	**34.976** 1.3770	**19.583** .7710	**1.3** .05	**.19 kg** .43 lb							14276D : GROOVE IN OD CENTER HOLES IN OD CENTER
14139X	**35.000** 1.3780	**19.583** .7710	**3.5** .14	**.19 kg** .42 lb							
14125DW	**31.750** 1.2500	**49.200** 1.9370	**.8** .03	**.61 kg** 1.34 lb	**14272**	**69.012** 2.7170	**14.288** .5625	**3.3** .13	**.11 kg** .25 lb	**38.115** 1.5006	
14126D	**31.750** 1.2500	**39.182** 1.5426	**1.5** .06	**.53 kg** 1.17 lb	***14273**	**69.012** 2.7170	**16.954** .6675	**spcl.** spcl.	**.11 kg** .25 lb	**38.689** 1.5232	
14134D	**33.338** 1.3125	**39.182** 1.5426	**1.5** .06	**.50 kg** 1.11 lb	**14274**	**69.012** 2.7170	**15.875** .6250	**3.3** .13	**.13 kg** .28 lb	**39.705** 1.5632	
					14274A	**68.956** 2.7148	**15.875** .6250	**3.3** .13	**.12 kg** .28 lb	**39.705** 1.5632	
					14274-S	**75.311** 2.9650	**15.875** .6250	**3.3** .13	**.21 kg** .47 lb	**39.705** 1.5632	
					14275A	**69.850** 2.7500	**15.875** .6250	**1.5** .06	**.14 kg** .32 lb	**39.705** 1.5632	
					14276	**69.012** 2.7170	**15.875** .6250	**1.3** .05	**.13 kg** .29 lb	**39.705** 1.5632	
					14277	**69.012** 2.7170	**18.415** .7250	**2.3** .09	**.16 kg** .35 lb	**44.785** 1.7632	
					14282	**71.996** 2.8345	**15.032** .5918	**1.5** .06	**.16 kg** .36 lb	**38.019** 1.4968	
					14283	**72.085** 2.8380	**18.415** .7250	**2.3** .09	**.21 kg** .46 lb	**44.785** 1.7632	
					14284	**71.996** 2.8345	**18.415** .7250	**2.3** .09	**.21 kg** .46 lb	**44.785** 1.7632	
					14299	**77.788** 3.0625	**15.875** .6250	**1.3** .05	**.26 kg** .57 lb	**39.705** 1.5632	
NA14138	**34.925** 1.3750	**23.020** .9063	**3.5** .14	**.41 kg** .90 lb	***14276D**	**69.012** 2.7170	**38.100** 1.5000	**.8** .03	**.30 kg** .67 lb	**46.040** 1.8126	
***14118DA**	**30.162** 1.1875	**75.425** 2.9695	**.8** .03	**.85 kg** 1.86 lb	14118DA and grouped cones may be paired with all single cups corresponding to 14125DW and will require -.018 mm (-.0007 in) to be added to the T-width values.						
***14123DA**	**31.750** 1.2500	**75.425** 2.9695	**.8** .03	**.80 kg** 1.76 lb							
***14120**	**30.226** 1.1900	**26.721** 1.0520	**4.3** .17	**.27 kg** .59 lb	14120 and grouped cones may be paired with all single cups corresponding to 14116 and will require 7.137 mm (.2810 in) to be added to the T-width values.						
***14120A**	**30.000** 1.1811	**26.721** 1.0520	**3.5** .14	**.27 kg** .60 lb	14120 and grouped cones may be paired with all double cups corresponding to 14116 and will require 14.275 mm (.5620 in) to be added to the T-width values.						
***14123A**	**31.750** 1.2500	**26.721** 1.0520	**4.3** .17	**.26 kg** .56 lb							
***14123AA**	**31.750** 1.2500	**26.721** 1.0520	**4.3** .17	**.26 kg** .56 lb							
***14136A**	**34.925** 1.3750	**26.721** 1.0520	**.8** .03	**.22 kg** .49 lb							
***14136AA**	**34.925** 1.3750	**26.721** 1.0520	**.8** .03	**.22 kg** .49 lb							

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

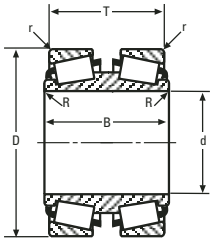
14000 SERIES CONTINUED ON NEXT PAGE



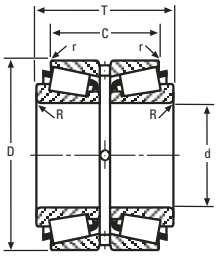
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	CONE Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	CUP Weight	BEARING WIDTH T	Remarks
14000 Series (cont)											
***14121**	**30.226** 1.1900	**25.933** 1.0210	**.8** .03	**.26 kg** .58 lb	14121 may be paired with all single cups corresponding to 14116 and will require 6.350 mm (.2500 in) to be added to the T-width values. 14121 may be paired with all double cups corresponding to 14116 and will require 12.700 mm (.5000 in) to be added to the T-width values.						
JP14000 Series											JP14010-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
†JP14049	**140.000** 5.5118	**27.000** 1.0630	**3.0** .12	**1.68 kg** 3.71 lb	**†JP14010**	**195.000** 7.6772	**21.000** .8268	**3.0** .12	**.62 kg** 1.38 lb	**29.000** 1.1417	
					***†JP14010-B**	**195.000** 7.6772	**21.000** .8268	**3.0** .12	**.73 kg** 1.62 lb	**13.000** 0.5118	
†JP14043P	SEE HYDRA-RIB BEARING SECTION				**†JP14019HR**	SEE HYDRA-RIB BEARING SECTION					
†JP14049P											
14500 Series											
14585	**34.925** 1.3750	**20.638** .8125	**3.5** .14	**.20 kg** .44 lb	**14525**	**68.262** 2.6875	**15.875** .6250	**2.3** .09	**.12 kg** .27 lb	**20.638** .8125	
15000 Series											NA15117-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
15100	**25.400** 1.0000	**20.638** .8125	**3.5** .14	**.21 kg** .47 lb	**15243**	**61.912** 2.4375	**14.288** .5625	**2.0** .08	**.08 kg** .17 lb	**19.050** .7500	
15100-S	**25.400** 1.0000	**20.638** .8125	**1.3** .05	**.21 kg** .47 lb	**15244**	**62.000** 2.4409	**15.875** .6250	**1.3** .05	**.09 kg** .21 lb	**20.637** .8125	NA15118-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
15101	**25.400** 1.0000	**20.638** .8125	**.8** .03	**.22 kg** .47 lb	**15244X**	**62.000** 2.4409	**15.875** .6250	**1.5** .06	**.09 kg** .20 lb	**20.637** .8125	15121T: TAPERED BORE
15102	**25.400** 1.0000	**20.638** .8125	**1.5** .06	**.21 kg** .47 lb	**15245**	**62.000** 2.4409	**14.288** .5625	**1.3** .05	**.08 kg** .18 lb	**19.050** .7500	15123: SPECIAL BACKFACE RADIUS
15103	**26.157** 1.0298	**20.638** .8125	**.8** .03	**.21 kg** .46 lb	**15249**	**63.500** 2.5000	**15.875** .6250	**1.5** .06	**.11 kg** .24 lb	**20.637** .8125	15125T: TAPERED BORE
15103-S	**26.162** 1.0300	**19.939** .7850	**.8** .03	**.21 kg** .47 lb	**15250**	**63.500** 2.5000	**15.875** .6250	**1.3** .05	**.11 kg** .24 lb	**20.637** .8125	NA15125-SW: FRONTFACE CHAMFER SHOULDER ON OD BACKFACE SLOTS IN FRONTFACE
15106	**26.988** 1.0625	**20.638** .8125	**.8** .03	**.20 kg** .45 lb	***15250-B**	**63.500** 2.5000	**15.875** .6250	**1.3** .05	**.13 kg** .28 lb	**8.730** .3437	
15112	**28.575** 1.1250	**20.638** .8125	**3.5** .14	**.19 kg** .42 lb	**15250R**	**63.500** 2.5000	**14.288** .5625	**1.3** .05	**.10 kg** .21 lb	**19.050** .7500	15250-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
15113	**28.575** 1.1250	**20.638** .8125	**.8** .03	**.19 kg** .43 lb	***15250RB**	**63.500** 2.5000	**15.875** .6250	**1.3** .05	**.11 kg** .25 lb	**20.637** .8125	15250RB : GROOVE IN OD FRONTFACE
15116	**30.112** 1.1855	**20.638** .8125	**.8** .03	**.18 kg** .40 lb	**15250X**	**63.500** 2.5000	**15.875** .6250	**1.5** .06	**.11 kg** .24 lb	**20.637** .8125	15251D : GROOVE IN OD CENTER HOLES IN OD CENTER
15117	**29.987** 1.1806	**20.638** .8125	**1.3** .05	**.18 kg** .40 lb	***15251D**	**63.500** 2.5000	**36.512** 1.4375	**.8** .03	**.27 kg** .59 lb	**46.037** 1.8125	K33867 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
15117X	**30.000** 1.1811	**20.638** .8125	**1.5** .06	**.18 kg** .40 lb	**15287XD**	**73.025** 2.8750	**38.100** 1.5000	**.8** .03	**.55 kg** 1.21 lb	**42.669** 1.6799	
15118	**30.213** 1.1895	**20.638** .8125	**3.5** .14	**.18 kg** .39 lb	***T70125**	**88.900** 3.5000	**49.212** 1.9375	**spcl.** spcl.	**1.40 kg** 3.09 lb	**46.291** 1.8225	T70125 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
15119	**30.213** 1.1895	**20.638** .8125	**1.5** .06	**.18 kg** .40 lb							
15120	**30.213** 1.1895	**20.638** .8125	**.8** .03	**.18 kg** .40 lb							
15120A	**30.175** 1.1880	**20.638** .8125	**.5** .02	**.18 kg** .40 lb							
15125	**31.750** 1.2500	**20.638** .8125	**3.5** .14	**.16 kg** .36 lb							
***15125T**	**31.750** 1.2500	**20.638** .8125	**1.5** .06	**.17 kg** .38 lb							
15126	**31.750** 1.2500	**20.638** .8125	**.8** .03	**.17 kg** .37 lb							
***NA15125-SW**	**31.750** 1.2500	**22.225** .8750	**2.3** .09	**-** -	***15251D**	**63.500** 2.5000	**36.512** 1.4375	**.8** .03	**.27 kg** .59 lb	**44.450** 1.7500	
					15287XD	**73.025** 2.8750	**38.100** 1.5000	**.8** .03	**.55 kg** 1.21 lb	**44.450** 1.7500	
					***K33867**	**88.900** 3.5000	**49.212** 1.9375	**spcl.** spcl.	**1.40 kg** 3.09 lb	**44.450** 1.7500	
					***T70125**	**88.900** 3.5000	**49.212** 1.9375	**spcl.** spcl.	**1.40 kg** 3.09 lb	**44.450** 1.7500	

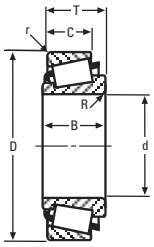
15000 SERIES CONTINUED ON NEXT PAGE

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

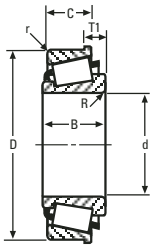
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
15000 Series (cont)					**K154600**	**83.500**	**49.212**	**3.3**	**1.18 kg**	**44.450**	
						3.2874	1.9375	.13	2.60 lb	1.7500	
					K426867	**85.725**	**49.212**	**3.3**	**1.23 kg**	**44.450**	
						3.3750	1.9375	.13	2.72 lb	1.7500	
15100-SR	**25.400**	**19.050**	**1.3**	**.20 kg**	15100-SR and grouped cones may be paired with all single cups corresponding to 15100 and will require						
	1.0000	.7500	.05	.45 lb	-.889 mm (-.0350 in) to be added to the T-width values.						
15112R	**28.575**	**19.050**	**3.5**	**.18 kg**	15100-SR and grouped cones may be paired with all double cups corresponding to 15100 and will require						
	1.1250	.7500	.14	.39 lb	-1.778 mm (-.0700 in) to be added to the T-width values.						
15115	**29.987**	**19.050**	**1.3**	**.17 kg**							
	1.1806	.7500	.05	.38 lb							
15118R	**30.213**	**19.050**	**3.5**	**.17 kg**							
	1.1895	.7500	.14	.37 lb							
***15121T**	**30.958**	**19.050**	**1.5**	**.16 kg**							
	1.2188	.7500	.06	.36 lb							
***15123**	**31.750**	**19.050**	**spcl.**	**.15 kg**							
	1.2500	.7500	spcl.	.33 lb							
***NA15117-SW**	**30.005**	**25.400**	**.8**	**.46 kg**	NA15117-SW may be paired with all double cups corresponding to NA15125-SW and will require						
	1.1813	1.0000	.03	1.01 lb	6.350 mm (.2500 in) to be added to the T-width values.						
***NA15118-SW**	**30.000**	**25.375**	**3.5**	**.46 kg**	NA15118-SW may be paired with all double cups corresponding to NA15125-SW and will require						
	1.1811	.9990	.14	1.01 lb	6.300 mm (.2480 in) to be added to the T-width values.						
15500 Series											15575T: TAPERED BORE
***15575T**	**23.812**	**17.462**	**1.5**	**.16 kg**	***15520-B**	**57.150**	**13.495**	**1.5**	**.09 kg**	**7.937**	15520-B : FLANGE ON OD FRONTFACE,
	.9375	.6875	.06	.34 lb		2.2500	.5313	.06	.20 lb	.3125	BEARING WIDTH IS T1
15578	**25.400**	**17.462**	**1.3**	**.15 kg**	***15520RB**	**57.150**	**13.495**	**1.5**	**.07 kg**	**17.462**	DIMENSION
	1.0000	.6875	.05	.32 lb		2.2500	.5313	.06	.15 lb	.6875	15520RB : GROOVE IN OD FRONTFACE
15579X	**25.987**	**17.462**	**3.5**	**.14 kg**	**15520**	**57.150**	**13.495**	**1.5**	**.07 kg**	**17.462**	
	1.0231	.6875	.14	.31 lb		2.2500	.5313	.06	.15 lb	.6875	15523RB : GROOVE IN OD FRONTFACE
15580	**26.988**	**17.462**	**3.5**	**.13 kg**	**15522A**	**59.530**	**15.083**	**3.3**	**.10 kg**	**19.446**	
	1.0625	.6875	.14	.30 lb		2.3437	.5938	.13	.22 lb	.7656	
†J15585	**28.000**	**17.462**	**3.5**	**.13 kg**	***15523RB**	**60.325**	**15.875**	**1.5**	**.12 kg**	**19.842**	
	1.1024	.6875	.14	.29 lb		2.3750	.6250	.06	.26 lb	.7812	
15590	**28.575**	**17.462**	**3.5**	**.12 kg**	**15523**	**60.325**	**15.875**	**1.5**	**.12 kg**	**19.842**	
	1.1250	.6875	.14	.27 lb		2.3750	.6250	.06	.27 lb	.7812	
15574A	**23.812**	**18.654**	**.8**	**.16 kg**	15574A and grouped cones may be paired with all single cups corresponding to 15575T and will require						
	.9375	.7344	.03	.36 lb	1.191 mm (.0469 in) to be added to the T-width values.						
15579A	**26.162**	**18.654**	**.8**	**.15 kg**							
	1.0300	.7344	.03	.33 lb							
15575X	**23.812**	**18.161**	**.8**	**.16 kg**	15575X may be paired with all single cups corresponding to 15575T and will require 1.016 mm (.0400 in)						
	.9375	.7150	.03	.36 lb	to be added to the T-width values.						
16000 Series											16284-B : FLANGE ON OD FRONTFACE,
16131	**33.338**	**20.638**	**3.5**	**.25 kg**	**16282**	**72.000**	**14.237**	**1.5**	**.12 kg**	**19.000**	BEARING WIDTH IS T1
	1.3125	.8125	.14	.56 lb		2.8346	.5605	.06	.27 lb	.7480	DIMENSION
16137	**34.925**	**20.638**	**3.5**	**.24 kg**	**16283**	**72.238**	**19.050**	**2.3**	**.18 kg**	**23.813**	
	1.3750	.8125	.14	.53 lb		2.8440	.7500	.09	.40 lb	.9375	
16143	**36.512**	**20.638**	**3.5**	**.22 kg**	***16284-B**	**72.238**	**15.875**	**.8**	**.16 kg**	**8.733**	
	1.4375	.8125	.14	.49 lb		2.8440	.6250	.03	.35 lb	.3438	
16150	**38.100**	**20.638**	**3.5**	**.21 kg**	**16284**	**72.238**	**15.875**	**1.3**	**.14 kg**	**20.638**	
	1.5000	.8125	.14	.46 lb		2.8440	.6250	.05	.32 lb	.8125	
16151	**38.100**	**20.638**	**2.3**	**.21 kg**	**†J16285**	**72.014**	**16.637**	**.4**	**.15 kg**	**21.400**	
	1.5000	.8125	.09	.47 lb		2.8352	.6550	.02	.34 lb	.8425	
†J16154	**39.000**	**20.638**	**3.5**	**.21 kg**							
	1.5354	.8125	.14	.46 lb							
JP16000 Series											JP16010-B : FLANGE ON OD FRONTFACE,
†JP16049	**160.000**	**30.000**	**3.0**	**2.32 kg**	**†JP16010**	**220.000**	**23.000**	**3.0**	**.85 kg**	**32.000**	BEARING WIDTH IS T1
	6.2992	1.1811	.12	5.12 lb		8.6614	.9055	.12	1.86 lb	1.2598	DIMENSION
					***†JP16010-B**	**220.000**	**23.000**	**3.0**	**1.00 kg**	**15.000**	
						8.6614	.9055	.12	2.20 lb	0.5906	

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

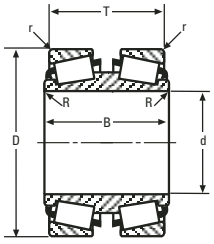
JP16000 SERIES CONTINUED ON NEXT PAGE



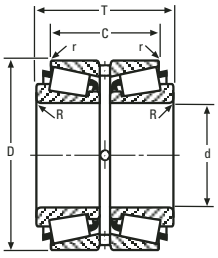
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	CONE Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	CUP Weight	BEARING WIDTH T	Remarks
JP16000 Series (cont)											
†JP16043P	SEE HYDRA-RIB BEARING SECTION				**†JP16019HR**	SEE HYDRA-RIB BEARING SECTION					
†JP16049P											
16500 Series											
16579	**31.750** 1.2500	**22.225** .8750	**1.5** .06	**.25 kg** .55 lb	**16522**	**68.262** 2.6875	**17.462** .6875	**.8** .03	**.14 kg** .30 lb	**22.225** .8750	
16582	**33.338** 1.3125	**22.225** .8750	**1.5** .06	**.23 kg** .52 lb							
16900 Series											
16986	**42.987** 1.6924	**19.837** .7810	**1.5** .06	**.25 kg** .56 lb	**16929**	**74.988** 2.9523	**14.288** .5625	**1.3** .05	**.10 kg** .23 lb	**19.367** .7625	
17000 Series											17117TD: TAPERED BORE
17098	**24.981** .9835	**16.566** .6522	**1.5** .06	**.16 kg** .36 lb	**17244**	**62.000** 2.4409	**14.288** .5625	**1.5** .06	**.09 kg** .20 lb	**16.002** .6300	17244-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
17098X	**25.000** .9843	**16.566** .6522	**1.5** .06	**.16 kg** .36 lb	**17244A**	**61.981** 2.4402	**14.288** .5625	**1.5** .06	**.09 kg** .20 lb	**16.002** .6300	17245D: GROOVE IN OD CENTER HOLES IN OD CENTER
17118	**29.987** 1.1806	**16.566** .6522	**1.5** .06	**.14 kg** .30 lb	***17244-B**	**62.000** 2.4409	**14.288** .5625	**1.5** .06	**.10 kg** .23 lb	**5.270** .2075	
17118-S	**30.000** 1.1811	**16.566** .6522	**1.5** .06	**.14 kg** .30 lb	***17245D**	**62.000** 2.4409	**36.258** 1.4275	**.8** .03	**.25 kg** .55 lb	**39.687** 1.5625	
17119	**30.162** 1.1875	**16.566** .6522	**1.5** .06	**.14 kg** .30 lb	**17245XA**	**62.000** 2.4409	**15.977** .6290	**1.5** .06	**.10 kg** .22 lb	**17.455** .6872	
17119W	**30.162** 1.1875	**16.566** .6522	**1.5** .06	**.13 kg** .28 lb							
17116D	**30.162** 1.1875	**34.925** 1.3750	**.8** .03	**.37 kg** .83 lb	**17244**	**62.000** 2.4409	**14.288** .5625	**1.5** .06	**.09 kg** .20 lb	**33.797** 1.3306	
***17117TD**	**30.140** 1.1866	**34.925** 1.3750	**.8** .03	**.38 kg** .85 lb	**17244A**	**61.981** 2.4402	**14.288** .5625	**1.5** .06	**.09 kg** .20 lb	**33.797** 1.3306	
					17245XA	**62.000** 2.4409	**15.977** .6290	**1.5** .06	**.10 kg** .22 lb	**36.703** 1.4450	
NA17098	**24.981** .9835	**19.842** .7812	**1.5** .06	**.36 kg** .80 lb	***17245D**	**62.000** 2.4409	**36.258** 1.4275	**.8** .03	**.25 kg** .55 lb	**39.685** 1.5624	
JP17000 Series											JP17049P: GROOVE IN OD BACKFACE
†JP17049	**170.000** 6.6929	**30.000** 1.1811	**3.0** .12	**2.51 kg** 5.53 lb	***†JP17010-B**	**230.000** 9.0551	**23.000** .9055	**3.0** .12	**1.03 kg** 2.28 lb	**15.000** .5905	JP17010-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
					†JP17010	**230.000** 9.0551	**23.000** .9055	**3.0** .12	**.92 kg** 2.02 lb	**32.000** 1.2598	
†JP17049P	SEE HYDRA-RIB BEARING SECTION				**†JP17019HR**	SEE HYDRA-RIB BEARING SECTION					
17400 Series											17481: NO SMALL RIB
***17481**	**13.495** .5313	**14.288** .5625	**1.5** .06	**-** -	***17420DB**	**39.688** 1.5625	**25.400** 1.0000	**.8** .03	**.10 kg** .21 lb	**31.750** 1.2500	17420DB : FLANGE ON OD RIGHTFACE
17400 Series											
17481					**17420DB**	SEE MULTI-ROW STEERING GEAR BEARING SECTION					
17482											
17483											
17484	SEE MULTI-ROW STEERING GEAR BEARING SECTION										
17485											
17486											
17500 Series											17581: BROKEN FRONTFACE ID
17580	**15.875** .6250	**16.670** .6563	**1.5** .06	**.07 kg** .16 lb	***17520-B**	**42.862** 1.6875	**13.495** .5313	**1.5** .06	**.05 kg** .12 lb	**6.350** .2500	NO SMALL RIB SPECIAL BACKFACE RADIUS
					17520	**42.862** 1.6875	**3.495** .5313	**1.5** .06	**.05 kg** .10 lb	**16.670** .6563	
***17581**	**15.875** .6250	**15.095** .5943	**1.5** .06	**-** -	**17520**	**42.862** 1.6875	**13.495** .5313	**1.5** .06	**.05 kg** .10 lb	**16.670** .6563	

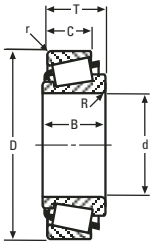
17500 SERIES CONTINUED ON NEXT PAGE

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

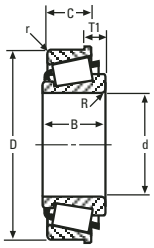
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	r ¨	Weight	WIDTH T	
17500 Series (cont)					***17520-B**	**42.862** 1.6875	**13.495** .5313	**1.5** .06	**.05 kg** .12 lb	**6.350** .2500	17520-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
					***17520DB**	**42.862** 1.6875	**26.988** 1.0625	**.8** .03	**.11 kg** .24 lb	**33.338** 1.3125	17520DB : FLANGE ON OD RIGHTFACE
17581											
17582											
17583	SEE MULTI-ROW STEERING GEAR BEARING SECTION				**17520DB**	SEE MULTI-ROW STEERING GEAR BEARING SECTION					
17584											
17800 Series											17883: EXTENDED LARGE RIB
***17883**	**39.688** 1.5625	**31.354** 1.2344	**3.8** .15	**.46 kg** 1.01 lb	**17830**	**79.375** 3.1250	**15.875** .6250	**2.0** .08	**.13 kg** .29 lb	**31.354** 1.2344	SHOULDER ON OD BACKFACE SPECIAL BACKFACE CHAMFER
***17884**	**44.450** 1.7500	**33.553** 1.3210	**.8** .03	**.39 kg** .86 lb	**17831**	**79.985** 3.1490	**15.080** .5937	**1.3** .05	**.13 kg** .29 lb	**30.559** 1.2031	17884: EXTENDED LARGE RIB SHOULDER ON OD BACKFACE
***17888**	**44.450** 1.7500	**31.354** 1.2344	**3.8** .15	**.38 kg** .84 lb							17888: EXTENDED LARGE RIB SHOULDER ON OD BACKFACE SPECIAL BACKFACE CHAMFER
17886	**42.987** 1.6924	**20.638** .8125	**1.5** .06	**.30 kg** .65 lb	17886 and grouped cones may be paired with all single cups corresponding to 17883 and will require -10.716 mm (-.4219 in) to be added to the T-width values.						
17887	**45.230** 1.7807	**20.638** .8125	**2.0** .08	**.27 kg** .59 lb							
18000 Series											18200XX: MADE FROM VACUUM MELT STEEL
18200	**50.800** 2.0000	**18.263** .7190	**1.5** .06	**.27 kg** .59 lb	**18335X**	**85.000** 3.3465	**12.500** .4921	**1.5** .06	**.12 kg** .27 lb	**19.050** .7500	18337-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
***18200XX**	**50.800** 2.0000	**18.263** .7190	**1.5** .06	**.27 kg** .59 lb	**18335E**	**85.000** 3.3465	**18.000** .7087	**1.5** .06	**.15 kg** .32 lb	**24.500** .9646	
18204X	**52.000** 2.0472	**18.263** .7190	**2.0** .08	**.25 kg** .55 lb	***18337-B**	**85.725** 3.3750	**12.700** .5000	**1.5** .06	**.15 kg** .34 lb	**9.906** .3900	18337XX : MADE FROM VACUUM MELT STEEL
					***18337XX**	**85.725** 3.3750	**12.700** .5000	**1.5** .06	**.13 kg** .29 lb	**19.050** .7500	
					18337	**85.725** 3.3750	**12.700** .5000	**1.5** .06	**.13 kg** .29 lb	**19.050** .7500	
					18352	**88.900** 3.5000	**19.050** .7500	**1.5** .06	**.24 kg** .54 lb	**20.637** .8125	
JP18000 Series											JP18049-S: HOLES IN BACKFACE TO UNDERCUT
†JP18049	**180.000** 7.0866	**30.000** 1.1811	**3.0** .12	**2.61 kg** 5.77 lb	***†JP18010-B**	**240.000** 9.4488	**23.000** .9055	**3.0** .12	**1.12 kg** 2.47 lb	**15.000** .5905	JP18010-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
***†JP18049-S**	**180.000** 7.0866	**30.000** 1.1811	**3.0** .12	**2.61 kg** 5.75 lb	**†JP18010**	**240.000** 9.4488	**23.000** .9055	**3.0** .12	**.97 kg** 2.15 lb	**32.000** 1.2598	
†JP18049P	SEE HYDRA-RIB SECTION				**†JP18019HR**	SEE HYDRA-RIB SECTION					
18500 Series											
18587	**39.688** 1.5625	**17.462** .6875	**.8** .03	**.21 kg** .47 lb	**18520**	**73.025** 2.8750	**12.700** .5000	**1.5** .06	**.08 kg** .18 lb	**16.667** .6562	
18590	**41.275** 1.6250	**17.462** .6875	**3.5** .14	**.19 kg** .43 lb							
18591	**41.275** 1.6250	**17.462** .6875	**1.3** .05	**.20 kg** .44 lb							
18600 Series											18620-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION SPECIAL RADIUS ON BACKFACE OD
18685	**44.450** 1.7500	**17.462** .6875	**2.8** .11	**.22 kg** .49 lb	***18620-B**	**79.375** 3.1250	**13.495** .5313	**1.5** .06	**.14 kg** .32 lb	**7.538** .2968	
18690	**46.038** 1.8125	**17.462** .6875	**2.8** .11	**.21 kg** .46 lb	**18620**	**79.375** 3.1250	**13.495** .5313	**1.5** .06	**.12 kg** .27 lb	**17.462** .6875	
					18620XD	**79.375** 3.1250	**33.338** 1.3125	**.8** .03	**.31 kg** .68 lb	**41.272** 1.6249	18620D : GROOVE IN OD CENTER HOLES IN OD CENTER

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

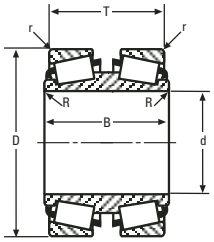
18600 SERIES CONTINUED ON NEXT PAGE



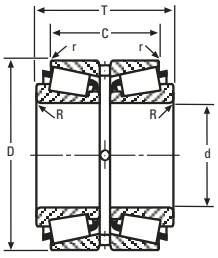
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	Weight	BEARING WIDTH T	Remarks
18600 Series (cont)					***18620DC**	**79.375** 3.1250	**33.338** 1.3125	**.8** .03	**.31 kg** .68 lb	**41.272** 1.6249	18620DC : HOLES IN OD CENTER
					***18620D**	**79.375** 3.1250	**33.338** 1.3125	**.8** .03	**.31 kg** .68 lb	**41.272** 1.6249	
					18621XD	**79.375** 3.1250	**74.615** 2.9376	**.8** .03	**.82 kg** 1.80 lb	**82.549** 3.2500	
NA18685	**44.450** 1.7500	**20.635** .8124	**2.8** .11	**-** -	**18620XD**	**79.375** 3.1250	**33.338** 1.3125	**.8** .03	**.31 kg** .68 lb	**41.270** 1.6248	
					***18620DC**	**79.375** 3.1250	**33.338** 1.3125	**.8** .03	**.31 kg** .68 lb	**41.270** 1.6248	
					***18620D**	**79.375** 3.1250	**33.338** 1.3125	**.8** .03	**.31 kg** .68 lb	**41.270** 1.6248	
					18621XD	**79.375** 3.1250	**74.615** 2.9376	**.8** .03	**.82 kg** 1.80 lb	**41.270** 1.6248	
18700 Series											18720-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
18780	**46.038** 1.8125	**17.462** .6875	**2.3** .09	**.29 kg** .63 lb	***18720-B**	**85.000** 3.3465	**13.495** .5313	**1.5** .06	**.17 kg** .37 lb	**7.539** .2968	
18790	**50.800** 2.0000	**17.462** .6875	**3.5** .14	**.23 kg** .51 lb	**18720**	**85.000** 3.3465	**13.495** .5313	**1.5** .06	**.13 kg** .29 lb	**17.462** .6875	
					18721	**83.312** 3.2800	**13.495** .5313	**.8** .03	**.11 kg** .25 lb	**17.462** .6875	
					18723	**88.900** 3.5000	**16.670** .6563	**1.3** .05	**.25 kg** .55 lb	**20.637** .8125	
					18724	**88.900** 3.5000	**13.495** .5313	**1.3** .05	**.19 kg** .42 lb	**17.462** .6875	
19000 Series											19137DA: ASYMMETRICAL BEARING
***19137DA**	**34.925** 1.3750	**64.295** 2.5313	**.8** .03	**.57 kg** 1.25 lb	**19262**	**66.675** 2.6250	**11.908** .4688	**.8** .03	**.06 kg** .13 lb	**31.750** 1.2500	HOLES IN OD LEFTFACE
***19137DAA**	**34.925** 1.3750	**64.295** 2.5313	**.8** .03	**.57 kg** 1.25 lb	**19267X**	**68.000** 2.6772	**12.000** .4724	**1.5** .06	**.07 kg** .16 lb	**32.040** 1.2614	19137DAA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
***19137DE**	**34.925** 1.3750	**76.200** 3.0000	**.8** .03	**.60 kg** 1.33 lb	**19268**	**68.262** 2.6875	**11.908** .4688	**1.5** .06	**.07 kg** .16 lb	**31.750** 1.2500	19137DE: EXTENDED SMALL RIB
***19137DEE**	**34.925** 1.3750	**76.200** 3.0000	**.8** .03	**.60 kg** 1.33 lb	**19268X**	**68.275** 2.6880	**16.032** .6312	**1.5** .06	**.11 kg** .25 lb	**40.000** 1.5748	19137DEE: EXTENDED SMALL RIB
***19138DE**	**35.000** 1.3780	**76.200** 3.0000	**.8** .03	**.66 kg** 1.45 lb	**19269**	**68.262** 2.6875	**16.030** .6311	**1.5** .06	**.11 kg** .24 lb	**39.995** 1.5746	19138DE: EXTENDED SMALL RIB
***19138DEE**	**35.000** 1.3780	**76.200** 3.0000	**.8** .03	**.66 kg** 1.45 lb	**19281**	**71.438** 2.8125	**11.908** .4688	**1.0** .04	**.11 kg** .23 lb	**31.750** 1.2500	19138DEE: EXTENDED SMALL RIB
***19143DA**	**36.512** 1.4375	**64.295** 2.5313	**.8** .03	**.53 kg** 1.16 lb	**19282**	**71.438** 2.8125	**15.875** .6250	**1.5** .06	**.14 kg** .30 lb	**34.925** 1.3750	19143DA: ASYMMETRICAL BEARING
***19143DAA**	**36.512** 1.4375	**64.295** 2.5313	**.8** .03	**.53 kg** 1.16 lb	**19283**	**72.000** 2.8346	**14.288** .5625	**1.5** .06	**.13 kg** .29 lb	**34.036** 1.3400	HOLES IN OD LEFTFACE
***19143DE**	**36.512** 1.4375	**76.200** 3.0000	**.8** .03	**.55 kg** 1.22 lb	**19283X**	**72.000** 2.8346	**14.288** .5625	**2.0** .08	**.13 kg** .29 lb	**34.036** 1.3400	19143DAA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
***19143DEE**	**36.512** 1.4375	**76.200** 3.0000	**.8** .03	**.55 kg** 1.22 lb							19143DE: EXTENDED SMALL RIB
19138	**34.976** 1.3770	**16.520** .6504	**1.5** .06	**.19 kg** .41 lb	**19262**	**66.675** 2.6250	**11.908** .4688	**.8** .03	**.06 kg** .13 lb	**15.875** .6250	19143DEE: EXTENDED SMALL RIB
19138A	**4.976** 1.3770	**16.520** .6504	**1.5** .06	**.19 kg** .41 lb	**19267X**	**68.000** 2.6772	**12.000** .4724	**1.5** .06	**.07 kg** .16 lb	**16.020** .6307	19146TD: ASYMMETRICAL BEARING TAPERED BORE
19138X	**35.000** 1.3780	**16.520** .6504	**2.0** .08	**.19 kg** .41 lb	**19268**	**68.262** 2.6875	**11.908** .4688	**1.5** .06	**.07 kg** .16 lb	**15.875** .6250	19268-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
19143	**36.512** 1.4375	**16.520** .6504	**1.5** .06	**.18 kg** .39 lb	***19268-B**	**68.262** 2.6875	**11.908** .4688	**1.5** .06	**.09 kg** .19 lb	**7.539** .2968	19283-B : FLANGE ON OD FRONTFACE,
19149X	**38.000** 1.4961	**16.520** .6504	**2.0** .08	**.16 kg** .36 lb	**19268X**	**68.275** 2.6880	**16.032** .6312	**1.5** .06	**.11 kg** .25 lb	**20.000** .7874	BEARING WIDTH IS T1 DIMENSION
19150	**38.100** 1.5000	**16.520** .6504	**1.5** .06	**.17 kg** .37 lb	**19269**	**68.262** 2.6875	**16.030** .6311	**1.5** .06	**.11 kg** .24 lb	**19.997** .7873	
19153X	**38.496** 1.5156	**16.520** .6504	**1.3** .05	**.16 kg** .36 lb	**19281**	**71.438** 2.8125	**11.908** .4688	**1.0** .04	**.11 kg** .23 lb	**15.875** .6250	
					19282	**71.438** 2.8125	**15.875** .6250	**1.5** .06	**.14 kg** .30 lb	**17.462** .6875	
					19283	**72.000** 2.8346	**14.288** .5625	**1.5** .06	**.13 kg** .29 lb	**17.018** .6700	

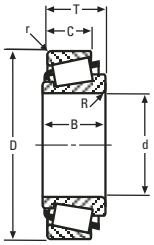
19000 SERIES CONTINUED ON NEXT PAGE

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

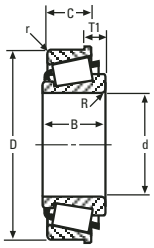
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ¨	Weight	Number	OUTSIDE DIA D	WIDTH C	r ¨	Weight	WIDTH T	
19000 Series (cont)					***19283-B**	**72.000** 2.8346	**14.288** .5625	**1.5** .06	**.14 kg** .32 lb	**6.286** .2475	
					19283X	**72.000** 2.8346	**14.288** .5625	**2.0** .08	**.13 kg** .29 lb	**17.018** .6700	
19144DW	**36.512** 1.4375	**49.200** 1.9370	**.8** .03	**.49 kg** 1.07 lb	19144DW and grouped cones may be paired with all single cups corresponding to 19137DA and will require 5.060 mm (.1992 in) to be added to the T-width values.						
19145D	**36.512** 1.4375	**38.100** 1.5000	**.8** .03	**.46 kg** 1.02 lb							
***19146TD**	**37.036** 1.4581	**38.100** 1.5000	**.8** .03	**.46 kg** 1.02 lb							
19152D	**38.100** 1.5000	**49.200** 1.9370	**.8** .03	**.45 kg** .99 lb							
JP20000 Series											
***†JP20049P**	SEE HYDRA-RIB BEARING SECTION				**†JP20019HR**	SEE HYDRA-RIB BEARING SECTION					
LL20900 Series											LL20949NW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
***LL20949NW**	**7.938** .3125	**11.176** .4375	**.8** .03	**.04 kg** .08 lb	**K103254**	**28.575** 1.1250	**21.463** .8450	**1.3** .05	**.05 kg** .11 lb	**22.225** .8750	
					***K444657**	**34.925** 1.3750	**21.463** .8450	**.8** .03	**.08 kg** .18 lb	**22.225** .8750	K444657: SPHERICAL OD
21000 Series											21212-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1
21063	**15.875** .6250	**21.839** .8598	**.8** .03	**.17 kg** .37 lb	***21212-B**	**53.975** 2.1250	**15.875** .6250	**2.3** .09	**.11 kg** .24 lb	**10.318** .4062	DIMENSION 21226D : GROOVE IN OD CENTER
21075	**19.050** .7500	**21.839** .8598	**1.5** .06	**.15 kg** .34 lb	**21212**	**53.975** 2.1250	**15.875** .6250	**2.3** .09	**.09 kg** .21 lb	**22.225** .8750	HOLES IN OD CENTER
21075A	**19.050** .7500	**21.839** .8598	**1.5** .06	**.15 kg** .34 lb	**21213**	**53.975** 2.1250	**15.875** .6250	**.5** .02	**.10 kg** .22 lb	**22.225** .8750	
21075X	**19.050** .7500	**21.839** .8598	**1.5** .06	**.16 kg** .34 lb	***21226D**	**57.150** 2.2500	**36.512** 1.4375	**.8** .03	**.31 kg** .68 lb	**49.213** 1.9375	
NA21075	**19.050** .7500	**24.608** .9688	**1.5** .06	**-** -	***21226D**	**57.150** 2.2500	**36.512** 1.4375	**.8** .03	**.31 kg** .68 lb	**49.215** 1.9376	
L21500 Series											
L21549	**15.875** .6250	**10.998** .4330	**1.3** .05	**.03 kg** .07 lb	**L21511**	**34.989** 1.3775	**8.712** .3430	**1.3** .05	**.02 kg** .04 lb	**10.998** .4330	
22000 Series											22150DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
***22150DA**	**38.100** 1.5000	**72.233** 2.8438	**.8** .03	**1.06 kg** 2.33 lb	**22325**	**82.550** 3.2500	**15.080** .5937	**1.5** .06	**.18 kg** .39 lb	**38.110** 1.5004	
***22150DAA**	**38.100** 1.5000	**72.233** 2.8438	**.8** .03	**1.06 kg** 2.33 lb							22150DAA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
***22150DE**	**38.100** 1.5000	**85.725** 3.3750	**.8** .03	**1.14 kg** 2.52 lb							22150DE: EXTENDED SMALL RIB
***22150DEE**	**38.100** 1.5000	**85.725** 3.3750	**.8** .03	**1.14 kg** 2.52 lb							22150DEE: EXTENDED SMALL RIB
***22157DE**	**40.000** 1.5748	**85.725** 3.3750	**.8** .03	**1.08 kg** 2.37 lb							22157DE: EXTENDED SMALL RIB
***22157DEE**	**40.000** 1.5748	**85.725** 3.3750	**.8** .03	**-** -							22157DEE: EXTENDED SMALL RIB
***22162DA**	**41.275** 1.6250	**72.233** 2.8438	**.8** .03	**.94 kg** 2.08 lb							22162DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
***22162DAA**	**41.275** 1.6250	**72.233** 2.8438	**.8** .03	**.94 kg** 2.08 lb							22162DAA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
***22162DE**	**41.275** 1.6250	**85.725** 3.3750	**.8** .03	**1.01 kg** 2.23 lb							22162DE: EXTENDED SMALL RIB
***22162DEE**	**41.275** 1.6250	**85.725** 3.3750	**.8** .03	**1.01 kg** 2.23 lb							22162DEE: EXTENDED SMALL RIB
***22168DA**	**42.862** 1.6875	**72.233** 2.8438	**.8** .03	**.88 kg** 1.95 lb							22168DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
***22168DAA**	**42.862** 1.6875	**72.233** 2.8438	**.8** .03	**.88 kg** 1.95 lb							22168DAA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
***22168DE**	**42.862** 1.6875	**85.725** 3.3750	**.8** .03	**.94 kg** 2.08 lb							
***22168DEE**	**42.862** 1.6875	**85.725** 3.3750	**.8** .03	**.94 kg** 2.08 lb							

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

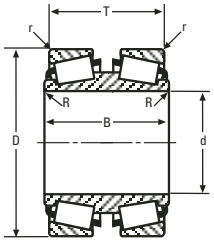
22000 SERIES CONTINUED ON NEXT PAGE



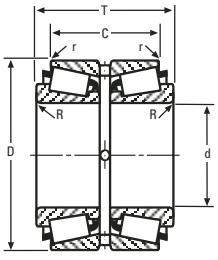
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	CONE Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	CUP Weight	BEARING WIDTH T	Remarks
22000 Series (cont)											
22168	**42.862** 1.6875	**19.837** .7810	**2.3** .09	**.27 kg** .59 lb	**22325**	**82.550** 3.2500	**15.080** .5937	**1.5** .06	**.18 kg** .39 lb	**19.842** .7812	22168DE: EXTENDED SMALL RIB
					***22325D**	**82.550** 3.2500	**34.925** 1.3750	**.8** .03	**.46 kg** 1.01 lb	**44.450** 1.7500	22168DEE: EXTENDED SMALL RIB
											22325D : GROOVE IN OD CENTER HOLES IN OD CENTER
NA22171	**43.658** 1.7188	**22.225** .8750	**2.3** .09	**-** -	***22325D**	**82.550** 3.2500	**34.925** 1.3750	**.8** .03	**.46 kg** 1.01 lb	**44.450** 1.7500	
JP22000 Series											
***†JP22049E**	SEE HYDRA-RIB BEARING SECTION				***†JP22019HR**	SEE HYDRA-RIB BEARING SECTION					
L22300 Series											JL22349: FRONTFACE CHAMFER
***†JL22349**	**22.000** .8661	**14.400** .5669	**.8** .03	**.05 kg** .11 lb	**†JL22310**	**41.000** 1.6142	**11.400** .4488	**.8** .03	**.03 kg** .07 lb	**14.400** .5669	JL22349F: FRONTFACE CHAMFER
***†JL22349F**	**22.000** .8661	**14.400** .5669	**.8** .03	**-** -							
22700 Series											
22778	**41.275** 1.6250	**26.988** 1.0625	**3.5** .14	**.43 kg** .94 lb	**22720**	**82.550** 3.2500	**20.638** .8125	**3.3** .13	**.22 kg** .48 lb	**26.195** 1.0313	
22780	**42.862** 1.6875	**26.988** 1.0625	**3.5** .14	**.40 kg** .89 lb	**22721**	**82.550** 3.2500	**20.638** .8125	**.8** .03	**.23 kg** .50 lb	**26.195** 1.0313	
23000 Series											23256-B : FLANGE ON OD FRONTFACE,
23092	**23.812** .9375	**21.463** .8450	**1.5** .06	**.23 kg** .51 lb	**23250X**	**63.500** 2.5000	**14.681** .5780	**2.3** .09	**.11 kg** .24 lb	**21.691** .8540	BEARING WIDTH IS T1 DIMENSION
23098-S	**25.000** .9843	**21.463** .8450	**2.0** .08	**.22 kg** .49 lb	**23255X**	**65.000** 2.5591	**15.875** .6250	**2.0** .08	**.14 kg** .30 lb	**22.225** .8750	
23100	**25.400** 1.0000	**21.463** .8450	**1.5** .06	**.22 kg** .49 lb	***23256-B**	**65.088** 2.5625	**15.875** .6250	**1.5** .06	**.16 kg** .35 lb	**10.320** .4063	
					23256	**65.088** 2.5625	**15.875** .6250	**1.5** .06	**.14 kg** .31 lb	**22.225** .8750	
23101X	**25.400** 1.0000	**20.650** .8130	**2.3** .09	**.21 kg** .46 lb	23101X may be paired with all single cups corresponding to 23092 and will require -1.054 mm (-.0415 in) to be added to the T-width values.						
23400 Series											
23491	**31.750** 1.2500	**26.988** 1.0625	**1.5** .06	**.32 kg** .71 lb	**23420**	**68.262** 2.6875	**22.225** .8750	**1.5** .06	**.17 kg** .37 lb	**26.987** 1.0625	
23600 Series											23685: BROKEN FRONTFACE ID
***23685**	**31.750** 1.2500	**26.975** 1.0620	**3.5** .14	**.34 kg** .75 lb	**23620**	**73.025** 2.8750	**22.225** .8750	**1.5** .06	**.21 kg** .47 lb	**26.988** 1.0625	23690: BROKEN FRONTFACE ID
***23690**	**34.925** 1.3750	**26.975** 1.0620	**3.5** .14	**.31 kg** .67 lb	**23621**	**73.025** 2.8750	**22.225** .8750	**.8** .03	**.21 kg** .47 lb	**26.988** 1.0625	23691: BROKEN FRONTFACE ID
***23691**	**35.000** 1.3780	**26.975** 1.0620	**3.5** .14	**.31 kg** .67 lb							
23700 Series											
23790	**34.925** 1.3750	**26.988** 1.0625	**3.5** .14	**.32 kg** .70 lb	**23720**	**73.025** 2.8750	**22.225** .8750	**1.5** .06	**.20 kg** .44 lb	**26.988** 1.0625	
24000 Series											24262D : GROOVE IN OD CENTER
24112	**28.575** 1.1250	**18.974** .7470	**1.5** .06	**.19 kg** .42 lb	**24261**	**66.421** 2.6150	**15.875** .6250	**1.5** .06	**.12 kg** .27 lb	**19.052** .7501	HOLES IN OD CENTER
24118	**30.162** 1.1875	**18.974** .7470	**1.5** .06	**.18 kg** .40 lb	***24262D**	**66.421** 2.6150	**38.100** 1.5000	**.8** .03	**.31 kg** .69 lb	**44.453** 1.7501	
JP24000 Series											JP24049: FRONTFACE CHAMFER
***†JP24049**	**240.000** 9.4488	**39.000** 1.5354	**3.0** .12	**6.09 kg** 13.44 lb	**†JP24010**	**320.000** 12.5984	**30.000** 1.1811	**3.0** .12	**2.15 kg** 4.74 lb	**42.000** 1.6535	
24700 Series											NA24775-SW: BACKFACE CHAMFER
***NA24775-SW**	**38.100** 1.5000	**29.367** 1.1562	**spcl.** spcl.	**.74 kg** 1.64 lb	***24720D**	**76.200** 3.0000	**39.688** 1.5625	**.8** .03	**.37 kg** .83 lb	**58.735** 2.3124	EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE
***NA24776-SW**	**38.100** 1.5000	**29.367** 1.1562	**.8** .03	**.78 kg** 1.73 lb	***24720DC**	**76.200** 3.0000	**39.688** 1.5625	**.8** .03	**.37 kg** .83 lb	**58.735** 2.3124	
					24720XD	**76.200** 3.0000	**39.688** 1.5625	**.8** .03	**.36 kg** .79 lb	**58.735** 2.3124	NA24776-SW: EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE
					***T70124**	**101.600** 4.0000	**57.150** 2.2500	**6.0** .24	**1.73 kg** 3.81 lb	**58.735** 2.3124	

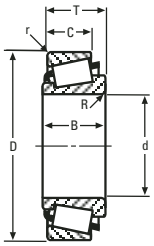
24700 SERIES CONTINUED ON NEXT PAGE

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

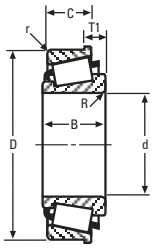
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
24700 Series (cont)					**K78175**	**107.950** 4.2500	**57.150** 2.2500	**3.3** .13	**2.20 kg** 4.84 lb	**58.735** 2.3124	24780: BROKEN FRONTFACE ID
					K97753	**101.600** 4.0000	**57.150** 2.2500	**3.3** .13	**1.73 kg** 3.81 lb	**58.735** 2.3124	24781: BROKEN FRONTFACE ID
					***K104606**	**101.600** 4.0000	**57.150** 2.2500	**3.2** .12	**2.28 kg** 5.03 lb	**58.735** 2.3124	24720-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
					***K107100**	**101.600** 4.0000	**57.150** 2.2500	**1.5** .06	**1.71 kg** 3.77 lb	**58.735** 2.3124	24720D : GROOVE IN OD CENTER HOLES IN OD CENTER
					***K302672**	**115.692** 4.5548	**57.150** 2.2500	**-** -	**2.05 kg** 4.53 lb	**58.735** 2.3124	24720DC : HOLES IN OD CENTER
					K444666	**101.600** 4.0000	**57.150** 2.2500	**3.3** .13	**1.73 kg** 3.81 lb	**58.735** 2.3124	T70124 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
***24780**	**41.275** 1.6250	**23.020** .9063	**3.5** .14	**.28 kg** .61 lb	**24720**	**76.200** 3.0000	**17.462** .6875	**.8** .03	**.15 kg** .33 lb	**22.225** .8750	K104606 : FLANGE ON OD LEFTFACE
***24781**	**41.275** 1.6250	**23.020** .9063	**.8** .03	**.28 kg** .62 lb	***24720-B**	**76.200** 3.0000	**17.462** .6875	**.8** .03	**.17 kg** .38 lb	**9.525** .3750	K107100 : SPHERICAL OD
					***24720D**	**76.200** 3.0000	**39.688** 1.5625	**.8** .03	**.37 kg** .83 lb	**49.212** 1.9375	K302672 : TAPERED OD
					***24720DC**	**76.200** 3.0000	**39.688** 1.5625	**.8** .03	**.37 kg** .83 lb	**49.212** 1.9375	
					24720XD	**76.200** 3.0000	**39.688** 1.5625	**.8** .03	**.36 kg** .79 lb	**49.212** 1.9375	
					24721	**76.200** 3.0000	**20.638** .8125	**2.3** .09	**.19 kg** .41 lb	**25.400** 1.0000	
					24722	**76.200** 3.0000	**17.462** .6875	**3.3** .13	**.14 kg** .31 lb	**22.225** .8750	
					***T70124**	**101.600** 4.0000	**57.150** 2.2500	**6.0** .24	**1.73 kg** 3.81 lb	**49.439** 1.9464	
25000 Series											25289D : GROOVE IN OD CENTER HOLES IN OD CENTER
25132	**33.338** 1.3125	**18.923** .7450	**2.3** .09	**.46 kg** 1.02 lb	***25289D**	**73.025** 2.8750	**35.522** 1.3985	**.8** .03	**.38 kg** .85 lb	**42.863** 1.6875	
25500 Series											25580A: SPECIAL BACKFACE RADIUS
25570	**36.512** 1.4375	**25.400** 1.0000	**3.5** .14	**.45 kg** 1.00 lb	**25518**	**81.973** 3.2273	**19.114** .7525	**1.0** .04	**.18 kg** .40 lb	**23.876** .9400	25583: EXTENDED LARGE RIB
25572	**38.100** 1.5000	**25.400** 1.0000	**.8** .03	**.44 kg** .97 lb	**25519**	**82.550** 3.2500	**19.050** .7500	**2.0** .08	**.19 kg** .42 lb	**23.813** .9375	
25576	**42.862** 1.6875	**25.400** 1.0000	**3.5** .14	**.37 kg** .82 lb	**25520**	**82.931** 3.2650	**19.050** .7500	**.8** .03	**.20 kg** .44 lb	**23.813** .9375	25584T: BROKEN FRONTFACE ID SPECIAL BACKFACE RADIUS TAPERED BORE
25577	**42.875** 1.6880	**25.400** 1.0000	**3.5** .14	**.37 kg** .82 lb	***25520D**	**82.931** 3.2650	**47.625** 1.8750	**.8** .03	**.57 kg** 1.26 lb	**57.150** 2.2500	25520D: GROOVE IN OD CENTER HOLES IN OD CENTER
25577C	**42.875** 1.6880	**25.400** 1.0000	**3.5** .14	**.38 kg** .84 lb	***25520DC**	**82.931** 3.2650	**47.625** 1.8750	**.8** .03	**.57 kg** 1.26 lb	**57.150** 2.2500	
25578	**42.862** 1.6875	**25.400** 1.0000	**2.3** .09	**.38 kg** .83 lb	**25521**	**83.058** 3.2700	**19.050** .7500	**3.3** .13	**.19 kg** .43 lb	**23.813** .9375	25520DC: HOLES IN OD CENTER
25580	**44.450** 1.7500	**25.400** 1.0000	**3.5** .14	**.35 kg** .77 lb	***25521-B**	**83.058** 3.2700	**19.050** .7500	**spcl.** spcl.	**.22 kg** .49 lb	**8.733** .3438	25521-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION SPECIAL RADIUS ON BACKFACE OD
***25580A**	**44.450** 1.7500	**25.400** 1.0000	**spcl.** spcl.	**.36 kg** .79 lb	**25522**	**83.058** 3.2700	**19.114** .7525	**2.0** .08	**.20 kg** .44 lb	**23.876** .9400	
25581	**44.450** 1.7500	**25.400** 1.0000	**.5** .02	**.36 kg** .79 lb	**25523**	**82.931** 3.2650	**22.225** .8750	**2.3** .09	**.24 kg** .54 lb	**26.988** 1.0625	25530RB: GROOVE IN OD FRONTFACE
25582	**44.450** 1.7500	**25.400** 1.0000	**5.0** .20	**.34 kg** .76 lb	**25524**	**82.931** 3.2650	**19.050** .7500	**2.3** .09	**.20 kg** .43 lb	**23.813** .9375	CN25540: SPECIAL RADIUS ON BACKFACE OD
25584	**44.983** 1.7710	**25.400** 1.0000	**1.5** .06	**.35 kg** .77 lb	**25526**	**85.000** 3.3465	**19.050** .7500	**2.3** .09	**.24 kg** .52 lb	**23.813** .9375	25547RB: GROOVE IN OD FRONTFACE
25584A	**44.988** 1.7712	**25.400** 1.0000	**3.5** .14	**.34 kg** .76 lb	**25527**	**85.000** 3.3465	**22.225** .8750	**2.3** .09	**.29 kg** .64 lb	**26.988** 1.0625	
***25584T**	**44.978** 1.7708	**25.400** 1.0000	**spcl.** spcl.	**.35 kg** .77 lb	**25528**	**92.075** 3.6250	**19.050** .7500	**.8** .03	**.39 kg** .86 lb	**23.813** .9375	
25590	**45.618** 1.7960	**25.400** 1.0000	**3.5** .14	**.33 kg** .74 lb	***25530RB**	**84.138** 3.3125	**19.050** .7500	**.8** .03	**.22 kg** .48 lb	**23.813** .9375	
25592	**46.038** 1.8125	**25.400** 1.0000	**3.5** .14	**.33 kg** .72 lb	***CN25540**	**90.488** 3.5625	**20.638** .8125	**spcl.** spcl.	**.20 kg** .45 lb	**24.606** .9688	

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

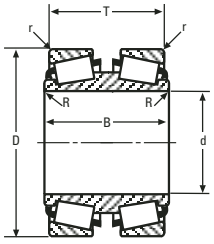
25500 SERIES CONTINUED ON NEXT PAGE



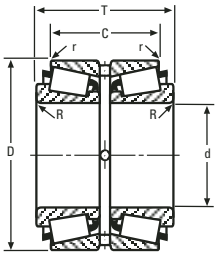
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ··	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ··	Weight	BEARING WIDTH T	Remarks
25500 Series (cont)					***25547RB**	**99.995** 3.9368	**20.638** .8125	**.5** .02	**.68 kg** 1.50 lb	**25.400** 1.0000	
***25583**	**44.450** 1.7500	**35.878** 1.4125	**3.8** .15	**.47 kg** 1.04 lb	25583 may be paired with all single cups corresponding to 25570 and will require 10.478 mm (.4125 in) to be added to the T-width values. 25583 may be paired with all double cups corresponding to 25570 and will require 20.955 mm (.8250 in) to be added to the T-width values.						
25800 Series											25877T: TAPERED BORE
25877	**34.925** 1.3750	**24.608** .9688	**1.5** .06	**-** -	**25820**	**73.025** 2.8750	**19.050** .7500	**2.3** .09	**.16 kg** .36 lb	**23.813** .9375	
25877A	**34.925** 1.3750	**24.608** .9688	**.8** .03	**-** -	**25821**	**73.025** 2.8750	**19.050** .7500	**.8** .03	**.17 kg** .36 lb	**23.813** .9375	
***25877T**	**34.925** 1.3750	**24.608** .9688	**1.5** .06	**-** -							
25878	**34.925** 1.3750	**24.608** .9688	**3.5** .14	**-** -							
25880	**36.487** 1.4365	**24.608** .9688	**1.5** .06	**-** -							
26000 Series											NA26118-SW: FRONTFACE CHAMFER
26093	**23.812** .9375	**18.923** .7450	**2.3** .09	**.26 kg** .57 lb	**26274**	**69.723** 2.7450	**19.050** .7500	**1.5** .06	**.14 kg** .32 lb	**19.050** .7500	SLOTS IN FRONTFACE
26100	**25.400** 1.0000	**18.923** .7450	**1.5** .06	**.25 kg** .56 lb	***26282D**	**71.438** 2.8125	**36.512** 1.4375	**.4** .02	**.36 kg** .79 lb	**42.863** 1.6875	26282D: GROOVE IN OD CENTER HOLES IN OD CENTER
26112	**28.575** 1.1250	**18.923** .7450	**1.5** .06	**.23 kg** .51 lb	**26283**	**72.000** 2.8346	**15.875** .6250	**1.5** .06	**.16 kg** .35 lb	**19.000** .7480	26283-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
26118	**29.987** 1.1806	**18.923** .7450	**1.5** .06	**.22 kg** .49 lb	***26283-B**	**72.000** 2.8346	**15.875** .6250	**1.5** .06	**.17 kg** .38 lb	**7.087** .2790	26284D: GROOVE IN OD CENTER HOLES IN OD CENTER
26118-S	**30.000** 1.1811	**18.923** .7450	**1.5** .06	**.22 kg** .49 lb	**26283-S**	**72.000** 2.8346	**15.875** .6250	**2.0** .08	**.16 kg** .35 lb	**19.000** .7480	
26126	**32.004** 1.2600	**18.923** .7450	**1.5** .06	**.21 kg** .46 lb	***26284D**	**71.973** 2.8336	**36.512** 1.4375	**.8** .03	**.38 kg** .83 lb	**42.761** 1.6835	
26126X	**32.000** 1.2598	**18.923** .7450	**2.0** .08	**.21 kg** .46 lb	**26300**	**76.200** 3.0000	**15.875** .6250	**1.5** .06	**.22 kg** .49 lb	**19.000** .7480	
26131	**33.338** 1.3125	**18.923** .7450	**3.5** .14	**.19 kg** .43 lb	**26334**	**85.000** 3.3465	**15.875** .6250	**1.6** .06	**.36 kg** .79 lb	**19.000** .7480	
26131H	**33.338** 1.3125	**18.923** .7450	**3.5** .14	**.20 kg** .44 lb							
26132	**33.338** 1.3125	**18.923** .7450	**1.5** .06	**.20 kg** .44 lb							
NA26118	**29.987** 1.1806	**21.382** .8418	**1.5** .06	**.47 kg** 1.04 lb	***26282D**	**71.438** 2.8125	**36.512** 1.4375	**.4** .02	**.36 kg** .79 lb	**42.763** 1.6836	
***NA26118-SW**	**29.987** 1.1806	**21.382** .8418	**1.5** .06	**.46 kg** 1.02 lb	***26284D**	**71.973** 2.8336	**36.512** 1.4375	**.8** .03	**.38 kg** .83 lb	**42.763** 1.6836	
L26700 Series											JL26749F: SPECIAL BACKFACE RADIUS
***†JL26749F**	**32.000** 1.2598	**15.000** .5906	**spcl.** spcl.	**.08 kg** .17 lb	**†JL26710**	**53.000** 2.0866	**11.500** .4528	**1.3** .05	**.04 kg** .09 lb	**14.500** .5709	
26800 Series											26882T: TAPERED BORE
26877	**36.512** 1.4375	**25.400** 1.0000	**.8** .03	**.41 kg** .90 lb	**26820**	**80.167** 3.1562	**20.638** .8125	**3.3** .13	**.21 kg** .47 lb	**25.400** 1.0000	
26878	**38.100** 1.5000	**25.400** 1.0000	**.8** .03	**.39 kg** .86 lb	**26821**	**80.167** 3.1562	**24.608** .9688	**3.3** .13	**.27 kg** .60 lb	**29.370** 1.1563	26822-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
26880	**39.688** 1.5625	**25.400** 1.0000	**1.5** .06	**.37 kg** .81 lb	**26822**	**79.375** 3.1250	**19.050** .7500	**.8** .03	**.18 kg** .41 lb	**23.813** .9375	
26881	**39.688** 1.5625	**25.400** 1.0000	**3.5** .14	**.36 kg** .80 lb	**26822A**	**79.375** 3.1250	**19.050** .7500	**2.3** .09	**.18 kg** .40 lb	**23.813** .9375	
26882	**41.275** 1.6250	**25.400** 1.0000	**3.5** .14	**.34 kg** .76 lb	***26822-B**	**79.375** 3.1250	**19.050** .7500	**.8** .03	**.21 kg** .46 lb	**8.733** .3438	
***26882T**	**41.275** 1.6250	**25.400** 1.0000	**1.5** .06	**.35 kg** .78 lb	**26823**	**76.200** 3.0000	**20.638** .8125	**1.5** .06	**.14 kg** .31 lb	**25.400** 1.0000	
26883	**35.000** 1.3780	**25.400** 1.0000	**.8** .03	**.42 kg** .93 lb	**26824**	**80.000** 3.1496	**19.050** .7500	**1.3** .05	**.20 kg** .43 lb	**23.813** .9375	
26884	**42.875** 1.6880	**25.400** 1.0000	**3.5** .14	**.32 kg** .71 lb	**26830**	**80.167** 3.1562	**20.638** .8125	**.8** .03	**.22 kg** .49 lb	**25.400** 1.0000	
26885	**41.275** 1.6250	**25.400** 1.0000	**.8** .03	**.35 kg** .77 lb	**26831**	**88.500** 3.4843	**20.638** .8125	**.8** .03	**.40 kg** .88 lb	**25.400** 1.0000	

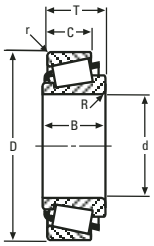
26800 SERIES CONTINUED ON NEXT PAGE

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

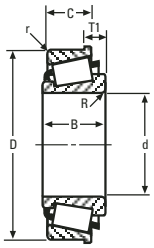
CONE			Max Shaft Fillet Radii		CUP			Max Hs'ng Fillet Radii		BEARING	Remarks
Number	BORE d	WIDTH B	R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	r ··	Weight	WIDTH T	
26800 Series (cont)											
26886	**42.875** 1.6880	**25.400** 1.0000	**1.5** .06	**.33 kg** .72 lb							
27600 Series											NA27686T: REVERSE TAPERED BORE
27680	**73.025** 2.8750	**25.400** 1.0000	**3.5** .14	**.93 kg** 2.05 lb	**27620**	**125.412** 4.9375	**19.845** .7813	**1.5** .06	**.34 kg** .76 lb	**25.400** 1.0000	27688H: MADE FROM SPECIAL STEEL
27684	**76.200** 3.0000	**25.400** 1.0000	**3.5** .14	**.86 kg** 1.89 lb	***27620-B**	**125.412** 4.9375	**19.845** .7813	**1.5** .06	**.38 kg** .85 lb	**10.317** .4062	NA27691T: TAPERED BORE
27684A	**76.200** 3.0000	**25.400** 1.0000	**.8** .03	**.87 kg** 1.91 lb	***27620DA**	**125.412** 4.9375	**44.450** 1.7500	**.8** .03	**.89 kg** 1.96 lb	**55.560** 2.1874	27620-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
27687	**82.550** 3.2500	**25.400** 1.0000	**3.5** .14	**.70 kg** 1.54 lb	***27620RB**	**125.412** 4.9375	**19.845** .7813	**1.5** .06	**.33 kg** .72 lb	**25.400** 1.0000	27620DA: HOLES IN OD CENTER
***27688H**	**83.345** 3.2813	**25.400** 1.0000	**.8** .03	**-** -	**27621**	**125.412** 4.9375	**25.400** 1.0000	**3.3** .13	**.43 kg** .95 lb	**28.575** 1.1250	27620RB: GROOVE IN OD FRONTFACE
27689	**83.345** 3.2813	**25.400** 1.0000	**.8** .03	**.69 kg** 1.52 lb	***27626DA**	**136.525** 5.3750	**44.450** 1.7500	**.8** .03	**1.60 kg** 3.52 lb	**55.560** 2.1874	27626DA: HOLES IN OD CENTER SPHERICAL OD
27689H	**83.345** 3.2813	**25.400** 1.0000	**.8** .03	**-** -							
27690	**83.345** 3.2813	**25.400** 1.0000	**3.5** .14	**.68 kg** 1.49 lb							
27691	**83.345** 3.2813	**25.400** 1.0000	**6.4** .25	**.65 kg** 1.42 lb							
27695	**84.976** 3.3455	**25.400** 1.0000	**5.0** .20	**.62 kg** 1.37 lb							
***NA27686T**	**82.408** 3.2444	**27.780** 1.0937	**3.7** .14	**1.53 kg** 3.37 lb	***27620DA**	**125.412** 4.9375	**44.450** 1.7500	**.8** .03	**.89 kg** 1.96 lb	**55.560** 2.1874	
***NA27691T**	**83.858** 3.3015	**27.780** 1.0937	**3.5** .14	**1.46 kg** 3.21 lb	***27626DA**	**136.525** 5.3750	**44.450** 1.7500	**.8** .03	**1.60 kg** 3.52 lb	**55.560** 2.1874	
27800 Series											27875: SPECIAL BACKFACE RADIUS
***27875**	**34.925** 1.3750	**23.698** .9330	**.8** .03	**.39 kg** .86 lb	**27820**	**80.035** 3.1510	**18.512** .7288	**1.5** .06	**.21 kg** .46 lb	**24.608** .9688	27879: SPECIAL BACKFACE RADIUS
***27880**	**38.100** 1.5000	**23.698** .9330	**.8** .03	**.36 kg** .78 lb	***27820D**	**80.035** 3.1510	**44.958** 1.7700	**.8** .03	**.49 kg** 1.07 lb	**57.150** 2.2500	27880: SPECIAL BACKFACE RADIUS
***27881**	**38.100** 1.5000	**23.698** .9330	**3.5** .14	**.35 kg** .77 lb	**27821**	**80.035** 3.1510	**17.462** .6875	**1.5** .06	**.19 kg** .43 lb	**23.812** .9375	27881: SPECIAL BACKFACE RADIUS 27820D : GROOVE IN OD CENTER HOLES IN OD CENTER
***27879**	**38.100** 1.5000	**22.111** .8705	**.8** .03	**.33 kg** .74 lb	27879 may be paired with all single cups corresponding to 27875 and will require -1.588 mm (-.0625 in) to be added to the T-width values. 27879 may be paired with all double cups corresponding to 27875 and will require -3.175 mm (-.1250 in) to be added to the T-width values.						
28000 Series											28315-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
28118	**30.162** 1.1875	**20.940** .8244	**1.5** .06	**.34 kg** .74 lb	**28300**	**76.200** 3.0000	**15.507** .6105	**1.3** .05	**.14 kg** .30 lb	**20.637** .8125	
28137	**34.925** 1.3750	**20.940** .8244	**1.5** .06	**.30 kg** .65 lb	***28300X**	**76.200** 3.0000	**15.494** .6100	**1.5** .06	**.14 kg** .31 lb	**20.625** .8120	28318D: GROOVE IN OD CENTER HOLES IN OD CENTER
28138	**34.976** 1.3770	**20.940** .8244	**1.5** .06	**.30 kg** .65 lb	***28314XD**	**80.035** 3.1510	**34.925** 1.3750	**.8** .03	**.46 kg** 1.00 lb	**46.040** 1.8126	
***28138X**	**35.000** 1.3780	**20.940** .8244	**2.0** .08	**.29 kg** .65 lb	**28315**	**80.000** 3.1496	**15.875** .6250	**1.5** .06	**.20 kg** .44 lb	**21.006** .8270	
28150	**38.100** 1.5000	**20.940** .8244	**1.5** .06	**.27 kg** .59 lb	***28315A**	**80.000** 3.1496	**15.875** .6250	**2.0** .08	**.20 kg** .43 lb	**21.006** .8270	
28151	**38.100** 1.5000	**20.940** .8244	**3.5** .14	**.26 kg** .57 lb	***28315-B**	**80.000** 3.1496	**15.875** .6250	**1.5** .06	**.21 kg** .47 lb	**9.100** .3583	
28158	**40.000** 1.5748	**20.940** .8244	**1.5** .06	**.25 kg** .54 lb	**28316**	**80.167** 3.1562	**15.875** .6250	**1.5** .06	**.20 kg** .44 lb	**21.006** .8270	
28159	**39.980** 1.5740	**20.940** .8244	**3.5** .14	**.24 kg** .53 lb	**28317**	**80.035** 3.1510	**15.875** .6250	**1.5** .06	**.20 kg** .44 lb	**21.433** .8438	
					***28318D**	**80.035** 3.1510	**34.925** 1.3750	**.8** .03	**.44 kg** .96 lb	**46.040** 1.8126	

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

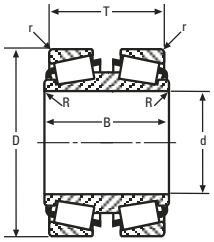
28000 SERIES CONTINUED ON NEXT PAGE



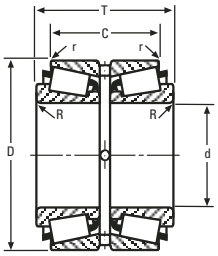
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE Number	CONE BORE d	CONE WIDTH B	Max Shaft Fillet Radii R ¨	Weight	CUP Number	CUP OUTSIDE DIA D	CUP WIDTH C	Max Hs'ng Fillet Radii r ¨	Weight	BEARING WIDTH T	Remarks
28000 Series (cont)											
NA28138	**34.976** 1.3770	**23.020** .9063	**1.5** .06	**.62 kg** 1.37 lb	**28314XD**	**80.035** 3.1510	**34.925** 1.3750	**.8** .03	**.46 kg** 1.00 lb	**46.040** 1.8126	
					***28318D**	**80.035** 3.1510	**34.925** 1.3750	**.8** .03	**.44 kg** .96 lb	**46.040** 1.8126	
28155	**39.980** 1.5740	**19.649** .7736	**3.5** .14	**.23 kg** .51 lb	28155 and grouped cones may be paired with all single cups corresponding to 28118 and will require -1.290 mm (-.0508 in) to be added to the T-width values.						
28156	**39.980** 1.5740	**19.649** .7736	**2.3** .09	**.23 kg** .51 lb	28155 and grouped cones may be paired with all double cups corresponding to 28118 and will require -2.581 mm (-.1016 in) to be added to the T-width values.						
28500 Series											28580T: TAPERED BORE
†J28573	**42.000** 1.6535	**25.400** 1.0000	**.8** .03	**.58 kg** 1.28 lb	**28520**	**89.980** 3.5425	**19.987** .7869	**2.3** .09	**.20 kg** .43 lb	**24.750** .9744	28521-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
28576	**44.869** 1.7665	**25.400** 1.0000	**3.5** .14	**.54 kg** 1.19 lb	**28521**	**92.075** 3.6250	**19.845** .7813	**.8** .03	**.24 kg** .54 lb	**24.607** .9688	28527RB: GROOVE IN OD BACKFACE
†J28577	**45.000** 1.7717	**25.400** 1.0000	**.8** .03	**.55 kg** 1.22 lb	***28521-B**	**92.075** 3.6250	**19.845** .7813	**.8** .03	**.27 kg** .59 lb	**8.730** .3437	
28579	**49.987** 1.9680	**25.400** 1.0000	**2.3** .09	**.47 kg** 1.04 lb	**28523**	**92.075** 3.6250	**23.017** .9062	**2.3** .09	**.30 kg** .65 lb	**27.780** 1.0937	
28580	**50.800** 2.0000	**25.400** 1.0000	**3.5** .14	**.46 kg** 1.02 lb	**28526**	**99.985** 3.9364	**19.845** .7813	**3.3** .13	**.42 kg** .92 lb	**24.607** .9688	
28580A	**50.800** 2.0000	**25.400** 1.0000	**.8** .03	**.46 kg** 1.02 lb	***28527RB**	**99.995** 3.9368	**19.845** .7813	**.5** .02	**.43 kg** .95 lb	**24.607** .9688	
***28580T**	**50.800** 2.0000	**25.400** 1.0000	**1.5** .06	**.48 kg** 1.05 lb							
28584	**52.388** 2.0625	**25.400** 1.0000	**3.5** .14	**.43 kg** .94 lb							
28600 Series											28622-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
28678	**50.800** 2.0000	**24.608** .9688	**3.5** .14	**.57 kg** 1.25 lb	**28621**	**96.838** 3.8125	**19.446** .7656	**.8** .03	**.25 kg** .55 lb	**24.608** .9688	
28680	**55.562** 2.1875	**24.608** .9688	**3.5** .14	**.49 kg** 1.08 lb	**28622**	**97.630** 3.8437	**19.446** .7656	**.8** .03	**.27 kg** .59 lb	**24.608** .9688	
28682	**57.150** 2.2500	**24.608** .9688	**3.5** .14	**.46 kg** 1.02 lb	**28622A**	**97.630** 3.8437	**19.446** .7656	**3.3** .13	**.26 kg** .58 lb	**24.608** .9688	
28682P	**57.150** 2.2500	**24.608** .9688	**3.5** .14	**.47 kg** 1.03 lb	***28622-B**	**97.630** 3.8437	**19.446** .7656	**.8** .03	**.29 kg** .64 lb	**9.124** .3592	
					28622P	**97.630** 3.8437	**19.446** .7656	**.8** .03	**.27 kg** .59 lb	**24.608** .9688	
					28623	**98.425** 3.8750	**19.446** .7656	**.8** .03	**.29 kg** .63 lb	**24.608** .9688	
28800 Series											28880: BROKEN FRONTFACE ID
***28880**	**247.650** 9.7500	**22.225** .8750	**1.5** .06	**2.12 kg** 4.68 lb	**28820**	**304.800** 12.0000	**15.875** .6250	**1.5** .06	**1.10 kg** 2.43 lb	**22.225** .8750	
28900 Series											28921-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
28970	**54.996** 2.1652	**25.400** 1.0000	**2.0** .08	**.63 kg** 1.39 lb	**28919**	**99.979** 3.9362	**19.050** .7500	**1.5** .06	**.22 kg** .48 lb	**24.605** .9687	
28980	**59.977** 2.3613	**25.400** 1.0000	**3.5** .14	**.54 kg** 1.18 lb	**28920**	**101.600** 4.0000	**19.845** .7813	**3.3** .13	**.26 kg** .58 lb	**25.400** 1.0000	28921D: GROOVE IN OD CENTER HOLES IN OD CENTER
28985	**60.325** 2.3750	**25.400** 1.0000	**3.5** .14	**.53 kg** 1.17 lb	**28921**	**100.000** 3.9370	**19.845** .7813	**3.3** .13	**.22 kg** .49 lb	**25.400** 1.0000	28921DC: HOLES IN OD CENTER
28985W	**60.325** 2.3750	**25.400** 1.0000	**3.5** .14	**.54 kg** 1.20 lb	**28921A**	**100.000** 3.9370	**19.845** .7813	**.8** .03	**.24 kg** .52 lb	**25.400** 1.0000	
28995	**62.738** 2.4700	**25.400** 1.0000	**3.5** .14	**.48 kg** 1.06 lb	***28921-B**	**100.000** 3.9370	**19.845** .7813	**3.3** .13	**.26 kg** .57 lb	**9.525** .3750	
					***28921D**	**100.000** 3.9370	**44.450** 1.7500	**.8** .03	**.57 kg** 1.25 lb	**55.560** 2.1874	
					***28921DC**	**100.000** 3.9370	**44.450** 1.7500	**.8** .03	**.57 kg** 1.25 lb	**55.560** 2.1874	
28990	**61.976** 2.4400	**24.608** .9688	**2.0** .08	**.49 kg** 1.08 lb	28990 may be paired with all single cups corresponding to 28970 and will require -.792 mm (-.0312 in) to be added to the T-width values. 28990 may be paired with all double cups corresponding to 28970 and will require -1.585 mm (-.0624 in) to be added to the T-width values.						

29000 SERIES CONTINUED ON NEXT PAGE

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

CONE					CUP					BEARING	Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R ··	Weight	Number	OUTSIDE DIA D	WIDTH C	Max Hs'ng Fillet Radii r ··	Weight	WIDTH T	
29000 Series											
29168	**42.862** 1.6875	**19.164** .7545	**1.5** .06	**.29 kg** .65 lb	**29334**	**84.988** 3.3460	**15.875** .6250	**1.5** .06	**.19 kg** .41 lb	**19.000** .7480	
29177	**44.983** 1.7710	**19.164** .7545	**2.0** .08	**.27 kg** .60 lb							
29500 Series											29520-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
29580	**60.000** 2.3622	**25.400** 1.0000	**3.5** .14	**.72 kg** 1.58 lb	***29520-B**	**107.950** 4.2500	**19.050** .7500	**3.3** .13	**.31 kg** .69 lb	**10.320** .4063	
29582	**60.000** 2.3622	**25.400** 1.0000	**.8** .03	**.72 kg** 1.60 lb	**29520**	**107.950** 4.2500	**19.050** .7500	**3.3** .13	**.27 kg** .60 lb	**25.400** 1.0000	29521-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
29585	**63.500** 2.5000	**25.400** 1.0000	**3.5** .14	**.65 kg** 1.43 lb	***29521-B**	**110.000** 4.3307	**19.050** .7500	**1.3** .05	**.37 kg** .80 lb	**10.320** .4063	
29585W	**63.500** 2.5000	**25.400** 1.0000	**3.5** .14	**.64 kg** 1.41 lb	**29521**	**110.000** 4.3307	**19.050** .7500	**1.3** .05	**.33 kg** .74 lb	**25.400** 1.0000	29526D : GROOVE IN OD CENTER HOLES IN OD CENTER
29586	**63.500** 2.5000	**25.400** 1.0000	**1.5** .06	**.66 kg** 1.45 lb	**29522**	**107.950** 4.2500	**19.050** .7500	**.8** .03	**.28 kg** .62 lb	**25.400** 1.0000	29526DRB : HOLES IN OD CENTER
29588	**64.988** 2.5586	**25.400** 1.0000	**3.5** .14	**.62 kg** 1.36 lb	***29526DRB**	**112.712** 4.4375	**42.862** 1.6875	**.8** .03	**.93 kg** 2.05 lb	**55.562** 2.1875	
29590	**66.675** 2.6250	**25.400** 1.0000	**3.5** .14	**.58 kg** 1.28 lb	***29526D**	**112.712** 4.4375	**42.862** 1.6875	**.8** .03	**.89 kg** 1.96 lb	**55.562** 2.1875	
29600 Series											29675V: MADE FROM VACUUM MELT STEEL
29665	**57.150** 2.2500	**25.400** 1.0000	**3.5** .14	**.94 kg** 2.07 lb	***29620-B**	**112.712** 4.4375	**19.050** .7500	**3.3** .13	**.30 kg** .67 lb	**10.320** .4063	29685V: MADE FROM VACUUMMELT STEEL
29670	**63.500** 2.5000	**25.400** 1.0000	**3.5** .14	**.82 kg** 1.80 lb	***29620V**	**112.712** 4.4375	**19.050** .7500	**3.3** .13	**.26 kg** .58 lb	**25.400** 1.0000	29620-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
29675	**69.850** 2.7500	**25.400** 1.0000	**1.5** .06	**.69 kg** 1.52 lb	**29620**	**112.712** 4.4375	**19.050** .7500	**3.3** .13	**.27 kg** .60 lb	**25.400** 1.0000	29620V : MADE FROM VACUUM MELT STEEL
***29675V**	**69.850** 2.7500	**25.400** 1.0000	**1.5** .06	**.69 kg** 1.52 lb	***29621-B**	**112.712** 4.4375	**19.050** .7500	**.8** .03	**.30 kg** .66 lb	**10.320** .4063	29621-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
29676	**69.850** 2.7500	**25.400** 1.0000	**1.5** .06	**.69 kg** 1.52 lb	***29622-BW**	**114.287** 4.4995	**19.050** .7500	**3.3** .13	**.35 kg** .76 lb	**10.320** .4063	
29677	**70.000** 2.7559	**25.400** 1.0000	**1.5** .06	**.69 kg** 1.52 lb	***29622W**	**114.287** 4.4995	**19.050** .7500	**3.3** .13	**.32 kg** .71 lb	**25.400** 1.0000	29622-BW : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION OD SURFACE
29680	**70.637** 2.7810	**25.400** 1.0000	**1.3** .05	**.67 kg** 1.48 lb	***29622DV**	**114.287** 4.4995	**46.038** 1.8125	**.8** .03	**.79 kg** 1.74 lb	**58.737** 2.3125	
29681	**70.637** 2.7810	**25.400** 1.0000	**3.5** .14	**.67 kg** 1.48 lb	***29622DC**	**114.287** 4.4995	**46.038** 1.8125	**.8** .03	**.79 kg** 1.74 lb	**58.737** 2.3125	29622D : GROOVE IN OD CENTER HOLES IN OD CENTER
29685	**73.025** 2.8750	**25.400** 1.0000	**3.5** .14	**.62 kg** 1.37 lb	***29622D**	**114.287** 4.4995	**46.038** 1.8125	**.8** .03	**.79 kg** 1.74 lb	**58.737** 2.3125	29622DC : HOLES IN OD CENTER
***29685V**	**73.025** 2.8750	**25.400** 1.0000	**3.5** .14	**.61 kg** 1.35 lb	**29624**	**114.300** 4.5000	**22.225** .8750	**3.3** .13	**.36 kg** .80 lb	**27.780** 1.0937	29622DV : GROOVE IN OD CENTER HOLES IN OD CENTER MADE FROM VACUUM MELT STEEL
29688	**73.817** 2.9062	**25.400** 1.0000	**1.5** .06	**.60 kg** 1.33 lb	***29625WE**	**116.586** 4.5900	**23.597** .9290	**.8** .03	**.48 kg** 1.05 lb	**29.146** 1.1475	29622W : SLOTS OD SURFACE
					29630	**120.650** 4.7500	**19.050** .7500	**3.3** .13	**.48 kg** 1.05 lb	**25.400** 1.0000	29625WE : SLOTS IN BACKFACE
LM29700 Series											LM29748: SPECIAL BACKFACE RADIUS
***LM29748**	**38.100** 1.5000	**18.288** .7200	**spcl.** spcl.	**.14 kg** .32 lb	**LM29710**	**65.088** 2.5625	**13.970** .5500	**1.3** .05	**.08 kg** .17 lb	**18.034** .7100	LM29749C: FRONTFACE CHAMFER
LM29749	**38.100** 1.5000	**18.288** .7200	**2.3** .09	**.15 kg** .34 lb	**LM29710X**	**65.088** 2.5625	**13.970** .5500	**1.3** .05	**.08 kg** .18 lb	**18.034** .7100	
***LM29749C**	**38.100** 1.5000	**18.288** .7200	**2.3** .09	**.15 kg** .34 lb	**LM29711**	**65.088** 2.5625	**15.748** .6200	**1.3** .05	**.09 kg** .21 lb	**19.812** .7800	
LM29749X	**38.100** 1.5000	**18.288** .7200	**2.3** .09	**.15 kg** .34 lb	**LM29711C**	**65.088** 2.5625	**15.748** .6200	**1.3** .05	**.09 kg** .21 lb	**19.812** .7800	

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

29800 SERIES CONTINUED ON NEXT PAGE