

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
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BEARING
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CATALOG
699

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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.

TAPERED ROLLING BEARING – BASIC DESIGN

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:

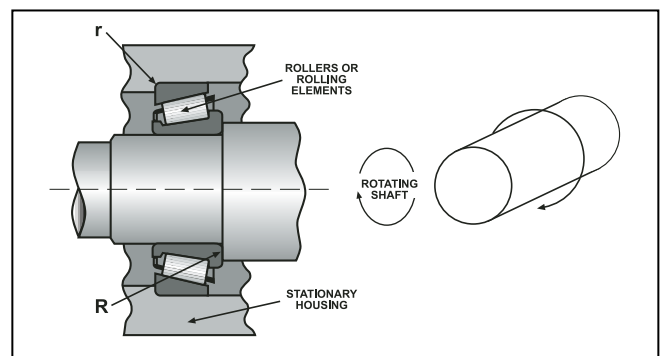
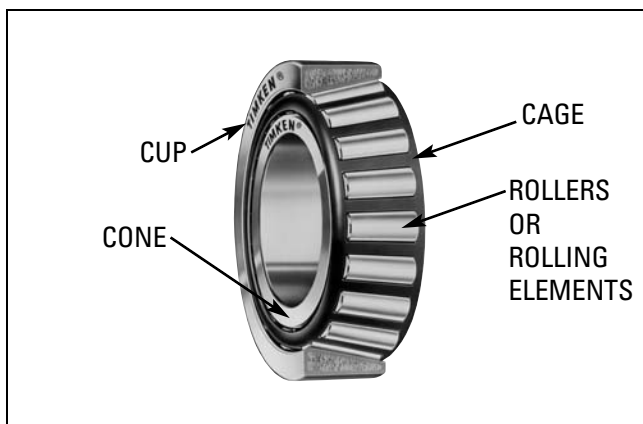
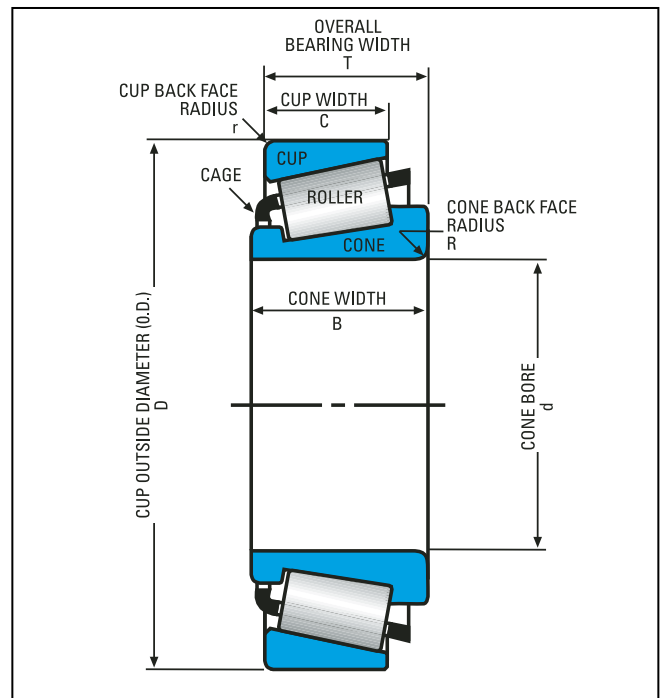
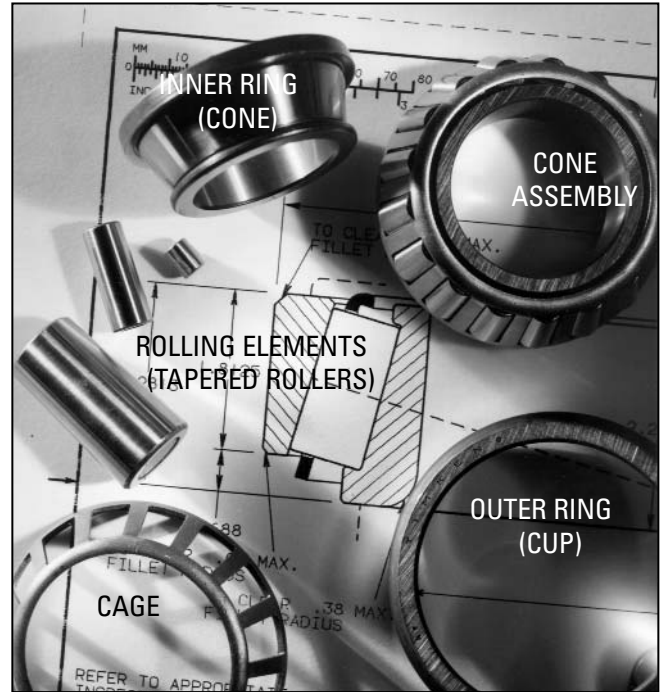
- The inner ring, or cone, is mounted onto the shaft.
- The outer ring, or cup, sits in the housing (hub).
- The tapered rollers, or rolling elements, allow relative motion between the cone and cup thus minimizing friction between the two.
- The cage, or separator, spaces and holds the rolling elements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



TAPERED ROLLER BEARINGS – SPACER ASSEMBLIES

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.

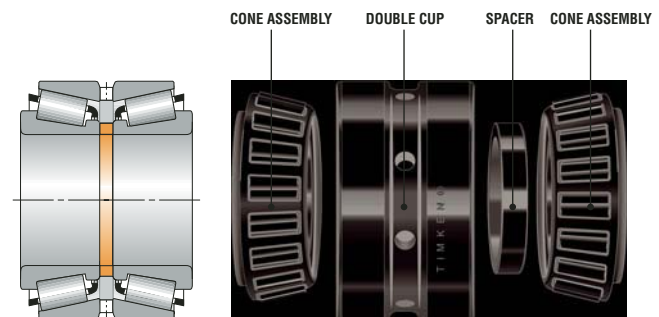
Never spin a bearing with compressed air. The rollers may be forcefully expelled, creating a risk of serious bodily harm.

DO NOT MIX PARTS.



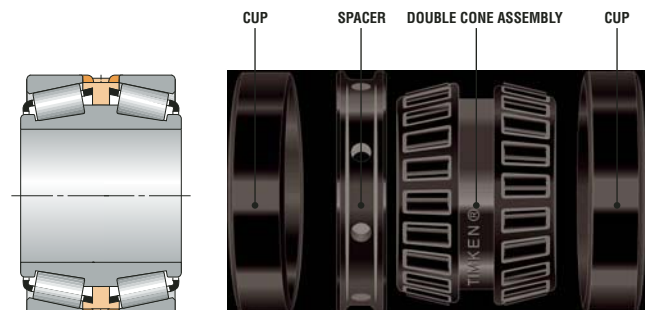
Tapered Double Outer (TDO)

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 preceded 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.

TAPERED ROLLER BEARING PART NUMBER PREFIXES AND SUFFIXES

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.)

TAPERED ROLLER BEARING PART NUMBER PREFIXES AND SUFFIXES

PREFIX	SUFFIX	CONE OR CUP	EXPLANATION	
L	KP	Thrust Bearing Cone & Cup	Cadmium plated. 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.)	
		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.	
R	P	Cone	Puller groove.	
	P	Cone & Cup	Customized for performance.	
		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.)

TAPERED ROLLER BEARING PART NUMBER PREFIXES AND SUFFIXES

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											
Range		Tolerance Does not apply to TNASW and TNASWE type bearings.	ROTATING CONE		ROTATING OR STATIONARY CONE		STATIONARY CONE							
			Ground Seat	Constant Loads With Moderate Shock	Unground or Ground Seat Heavy Loads, or High Speed or Shock	Unground Seat	Ground Seat	Unground Seat	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	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							
Range		Tolerance	STATIONARY CUP				STATIONARY OR ROTATING CUP		ROTATING CUP	
			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												
Range mm		Tolerance µm	ROTATING CONE		ROTATING OR STATIONARY CONE		STATIONARY CONE								
			Ground Seat		Unground or Ground Seat		Unground Seat		Ground Seat		Unground Seat		Hardened and Ground Seat		
Over	Inclusive	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							
			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	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	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	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							
Range (mm)		Tolerance (µm)	STATIONARY CUP				STATIONARY OR ROTATING CUP		ROTATING CUP	
			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											
Range		Tolerance	STATIONARY CUP						ROTATING CUP					
			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	12.4016	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

1 INDUSTRIAL FITTING PRACTICES

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	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
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	-0.0025 -0.0065	0.00025T 0.00065L	g6	-0.0025 -0.0065	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											
Range (mm)		Tolerance (µm)	STATIONARY CUP									ROTATING CUP		
Open	Inclusive		Floating or Clamped			Adjustable			Nonadjustable or in Carriers			Nonadjustable or in Carriers or Sheaves-Clamped		
			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	—	—	—	—

1 INDUSTRIAL FITTING PRACTICES

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		Tolerance	Ground Seat			Unground or Ground Seat			Unground Seat			Ground Seat			Unground Seat			Hardened and Ground Seat		
			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		
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					+106 +77	136T 77T													
200	225	-30 0	+60 +31	90T 31T	m6	+109 +80	139T 80T	r6	0 -29	30T 29L	h6	-15 -44	15T 44L	g6	-15 -44	15T 44L	g6	-50 -79	20L 79L	f6
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	—	— —	— —	— —

2

CONE			Max Shaft Fillet Radii R ¹	Weight	CUP			Max Hs'ng Fillet Radii r ¹	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
5A Series											
					6						
					6CE	SEE STEERING GEAR BEARING SECTION					
					7						
					7A						
					06						
5C Series											
4A	19.050 .7500	11.908 .4688	1.5 .06	.06 kg .12 lb	*06	49.154 1.9352	15.875 .6250	.8 .03	.11 kg .24 lb	18.968 .7468	4CB: NO SMALL RIB 4CX: NO SMALL RIB
4C	17.462 .6875	11.908 .4688	1.5 .06	.06 kg .13 lb	6	44.450 1.7500	9.525 .3750	1.5 .06	.03 kg .08 lb	12.700 .5000	4T: TAPERED BORE 06 : CHAMFER ON FRONTFACE OD
*4T	23.812 .9375	11.908 .4688	.8 .03	.05 kg .12 lb	*7A	49.154 1.9352	22.225 .8750	.8 .03	.15 kg .33 lb	25.382 .9993	7 : CHAMFER ON FRONTFACE OD 7A : SHOULDER ON OD BACKFACE
					*7	49.154 1.9352	15.088 .5940	.4 .02	.10 kg .23 lb	18.262 .7190	SPECIAL CHAMFER ON FRONTFACE OD
*4CB	20.638 .8125	12.090 .4760	1.3 .05	.05 kg .12 lb	4CB and grouped cones may be paired with all single cups corresponding to 4A and will require .537 mm (.0605 in) to be added to the T-width values.						
*4CX	19.588 .7712	12.090 .4760	.3 .01	.06 kg .12 lb							
4X	19.588 .7712	13.444 .5293	.4 .01	.06 kg .14 lb							
11A Series											
					13C						
					13X	SEE STEERING GEAR BEARING SECTION					
					14						
					14C						
					14CE						
					14XS						
11C Series											
*12CA	23.812 .9375	11.153 .4391	1.5 .06	.06 kg .14 lb	13X	49.609 1.9531	11.509 .4531	1.5 .06	.06 kg .13 lb	15.872 .6249	12CA: NO SMALL RIB 12CB: NO SMALL RIB
*12CB	25.400 1.0000	11.153 .4391	1.5 .06	.06 kg .13 lb	13C	49.225 1.9380	11.509 .4531	1.5 .06	.05 kg .12 lb	15.872 .6249	14 : CHAMFER ON BACKFACE OD SPECIAL CHAMFER ON FRONTFACE OD
					*14	53.917 2.1227	16.172 .6367	.4 .02	.12 kg .27 lb	20.887 .8223	
					*14C	57.092 2.2477	17.094 .6730	- -	.18 kg .39 lb	21.483 .8458	14C : CHAMFER ON BACKFACE OD SPECIAL CHAMFER ON FRONTFACE OD
					*14XS	57.092 2.2477	17.094 .6730	2.0 .08	.18 kg .40 lb	21.483 .8458	14XS : SPECIAL CHAMFER ON FRONTFACE OD
					14CE	52.362 2.0615	9.525 .3750	1.5 .06	.06 kg .13 lb	13.091 .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						

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

31A - 245 SERIES

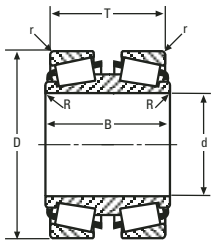
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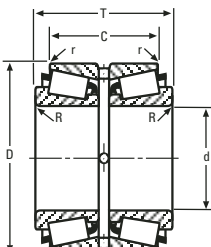
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE				Weight	CUP				Weight	BEARING		Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R ^{**}		Number	OUTSIDE DIA D	WIDTH C	Max Hs'ng Fillet Radii r ^{**}		WIDTH T		
31A Series												
*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	29: NO SMALL RIB	
					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						SEE STEERING GEAR BEARING SECTION	
					32C							
					32X							
					33							
35A Series												
					36X						SEE STEERING GEAR BEARING SECTION	
					38A							
					38AW							
					38X							
35C Series												
*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	40: NO SMALL RIB 38A : SPECIAL CHAMFER ON BACKFACE OD SPECIAL CHAMFER ON FRONTFACE OD 38AW : KEYWAY IN OD SURFACE SPECIAL CHAMFER ON BACKFACE OD SPECIAL CHAMFER ON FRONTFACE OD 38X : 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		
					*38X	69.850 2.7500	18.654 .7344	spcl. spcl.	.25 kg .56 lb	23.792 .9367		
					*38A	69.850 2.7500	23.368 .9200	spcl. spcl.	.32 kg .71 lb	28.544 1.1238		
45 Series												
					46						SEE STEERING GEAR BEARING SECTION	
					47							
					47W							
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.

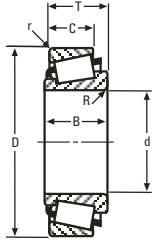
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CONE				Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R''		Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
255 Series											
255	31.750 1.2500	19.253 .7580	2.3 .09	.21 kg .46 lb	0253	69.850 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											
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	347X: EXTENDED LARGE RIB SHOULDER ON OD BACKFACE
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 - 355 SERIES

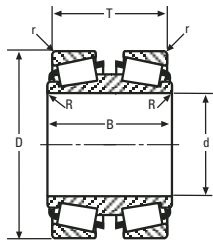
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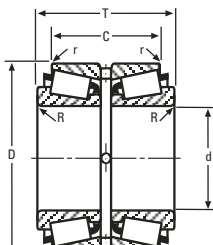
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
335 Series (cont)											
347	38.100 1.5000	22.403 .8820	3.5 .14								
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											
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	359T: 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	359TD: TAPERED BORE
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	353D : GROOVE IN OD CENTER HOLES IN OD CENTER
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.

2

CONE				Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R''		Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
365 Series											
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	365DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
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	367DAA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
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	367DAE: EXTENDED SMALL RIB
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	367DEE: 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	368DE: EXTENDED SMALL RIB
*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	368DEE: 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	369DE: 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	369DEE: 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	370DE: 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	370DEE: EXTENDED SMALL RIB
*367DA	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
*367DAA	49.212 1.9375	75.006 2.9530	.8 .03	1.08 kg 2.38 lb							362AB : 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							363D : GROOVE IN OD CENTER HOLES IN OD CENTER
*367DEE	49.212 1.9375	88.900 3.5000	.8 .03	1.16 kg 2.56 lb							363DC : HOLES IN OD CENTER
368D	50.800 2.0000	61.112 2.4060	.8 .03	.94 kg 2.08 lb							
*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 – 385 SERIES

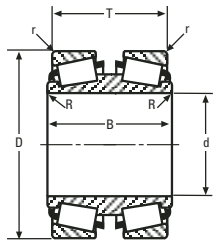
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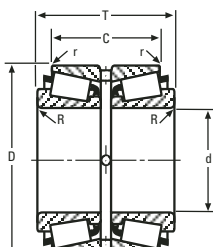
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE				Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max H's'ng Fillet Radii r ^{**}	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B				Number	OUTSIDE DIA D	WIDTH C				
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												
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		377-S: FRONTFACE CHAMFER
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		377TD: TAPERED BORE
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		372D : GROOVE IN OD CENTER HOLES IN OD CENTER
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	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		385-SD: EXTENDED SMALL RIB SQUARE BORE
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		NA385-SW: FRONTFACE CHAMFER SHOULDER ON OD BACKFACE SLOTS IN FRONTFACE
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		
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.

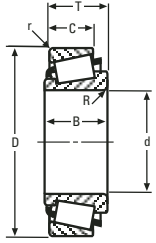
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CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
385 Series (cont)											
386A	47.625 1.8750	21.946 .8640	.8 .03	.55 kg 1.20 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 SHOULDER ON OD BACKFACE SLOTS IN FRONTFACE
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	
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 – 395 SERIES

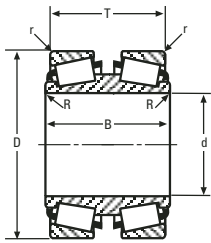
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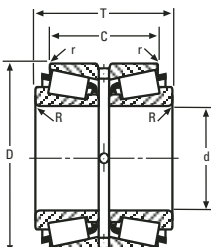
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE				Weight	CUP			Weight	BEARING		Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R**		Number	OUTSIDE DIA D	WIDTH C		Max Hs'ng Fillet Radii r**	WIDTH T	
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	390DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
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	392DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
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	395DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
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	395TD: TAPERED BORE
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	399: FRONTFACE CHAMFER
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	399AX: EXTENDED LARGE RIB SHOULDER ON OD BACKFACE
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	393WE: SLOTS IN BACKFACE
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	394AB: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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	394ARB: GROOVE IN OD FRONTFACE
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	394D: GROOVE IN OD CENTER HOLES IN OD CENTER
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	

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.

2

CONE			Max Shaft Fillet Radii R ¹	Weight	CUP			Max Hs'ng Fillet Radii r ²	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
395 Series (cont)											
397W	60.000 2.3622	21.996 .8660	.8 .03	-	*394D	110.000 4.3307	46.038 1.8125	.8 .03	.66 kg 1.46 lb	52.387 2.0625	394DA : HOLES IN OD CENTER SPECIAL RADIUS ON LEFTFACE OD
398	50.800 2.0000	21.996 .8660	.8 .03	-	*394DA	119.062 4.6875	46.038 1.8125	spcl. spcl.	1.02 kg 2.24 lb	52.387 2.0625	SPECIAL RADIUS ON RIGHTFACE OD
*399	65.000 2.5591	21.996 .8660	2.0 .08	-	*394DC	110.000 4.3307	46.038 1.8125	.8 .03	.66 kg 1.46 lb	52.387 2.0625	SPHERICAL OD 394DC : HOLES IN OD CENTER
399A	68.262 2.6875	21.996 .8660	2.3 .09	-	394XS	109.985 4.3301	19.000 .7480	.5 .02	.28 kg .62 lb	23.749 .9350	394YD : HOLES IN OD CENTER
399AS	68.262 2.6875	21.996 .8660	5.0 .20	-	*394YD	110.000 4.3307	46.038 1.8125	.8 .03	.69 kg 1.53 lb	52.387 2.0625	3920-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS TI DIMENSION
					3920	112.712 4.4375	23.812 .9375	3.3 .13	.44 kg .98 lb	26.967 1.0617	
					*3920-B	112.712 4.4375	23.812 .9375	3.3 .13	.48 kg 1.06 lb	7.917 .3117	K302664 : ASYMMETRICAL - TWO SERIES BEARING FLANGE ON OD RIGHTFACE
					3921XA	109.985 4.3301	23.812 .9375	.5 .02	.36 kg .80 lb	26.555 1.0455	K426894 : ASYMMETRICAL - TWO SERIES BEARING FLANGE ON OD RIGHTFACE
											K529695 : ASYMMETRICAL - TWO SERIES BEARING FLANGE ON OD RIGHTFACE
390AC	63.500 2.5000	21.996 .8660	1.5 .06	1.16 kg 2.57 lb	*394D	110.000 4.3307	46.038 1.8125	.8 .03	.66 kg 1.46 lb	52.387 2.0625	
					*394DA	119.062 4.6875	46.038 1.8125	spcl. spcl.	1.02 kg 2.24 lb	52.387 2.0625	
					*394DC	110.000 4.3307	46.038 1.8125	.8 .03	.66 kg 1.46 lb	52.387 2.0625	
					*394YD	110.000 4.3307	46.038 1.8125	.8 .03	.69 kg 1.53 lb	52.387 2.0625	
*390DA	57.150 2.2500	86.952 3.4233	.8 .03	-	393	110.000 4.3307	27.000 1.0630	.8 .03	.39 kg .86 lb	55.248 2.1751	
*392DA	61.912 2.4375	86.952 3.4233	.8 .03	-	393A	112.712 4.4375	15.875 .6250	3.3 .13	.29 kg .64 lb	45.697 1.7991	
*395DA	63.500 2.5000	86.952 3.4233	.8 .03	-	393AS	111.125 4.3750	18.824 .7411	1.3 .05	.29 kg .64 lb	45.245 1.7813	
					393C	113.487 4.4680	20.472 .8060	1.5 .06	.39 kg .86 lb	48.542 1.9111	
					*393WE	116.586 4.5900	30.122 1.1859	.8 .03	.72 kg 1.58 lb	67.841 2.6709	
					394	110.000 4.3307	22.000 .8661	.8 .03	.28 kg .62 lb	45.245 1.7813	
					394A	110.000 4.3307	18.824 .7411	1.3 .05	.26 kg .58 lb	45.245 1.7813	
					*394ARB	110.000 4.3307	18.824 .7411	1.3 .05	.26 kg .58 lb	45.245 1.7813	
					394AS	110.000 4.3307	18.824 .7411	3.3 .13	.25 kg .55 lb	45.245 1.7813	
					394AX	110.000 4.3307	18.824 .7411	2.0 .08	- -	45.245 1.7813	
					394CS	113.487 4.4680	18.824 .7411	1.3 .05	.35 kg .77 lb	45.245 1.7813	
					394XS	109.985 4.3301	19.000 .7480	.5 .02	.28 kg .62 lb	48.745 1.9191	
					3920	112.712 4.4375	23.812 .9375	3.3 .13	.44 kg .98 lb	60.556 2.3841	
					3921XA	109.985 4.3301	23.812 .9375	.5 .02	.36 kg .80 lb	59.733 2.3517	
NA397	60.000 2.3622	26.192 1.0312	3.5 .14	1.40 kg 3.08 lb	*394D	110.000 4.3307	46.038 1.8125	.8 .03	.66 kg 1.46 lb	52.385 2.0624	
					*394DA	119.062 4.6875	46.038 1.8125	spcl. spcl.	1.02 kg 2.24 lb	52.385 2.0624	
					*394DC	110.000 4.3307	46.038 1.8125	.8 .03	.66 kg 1.46 lb	52.385 2.0624	
					*394YD	110.000 4.3307	46.038 1.8125	.8 .03	.69 kg 1.53 lb	52.385 2.0624	

¹These Maximum Fillet Radii will be cleared by the Cone or Cup Radii.
²Bore or O.D. shown are maximum dimensions. * See Remarks Column.

395 – 435 SERIES

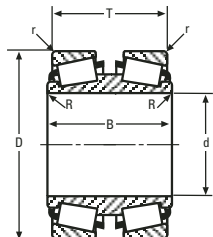
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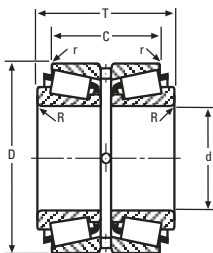
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE				Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEARING		Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R''		Number	OUTSIDE DIA D	WIDTH C			WIDTH T		
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												
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	NA435-SW: EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE	
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	NA438-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE	
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	NA439-SW: EXTENDED LARGE RIB 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		
*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.

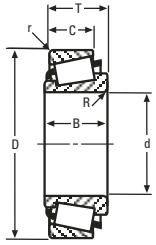
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CONE				Max Shaft Fillet Radii R''	Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEARING	Remarks
Number	BORE d	WIDTH B	Number			OUTSIDE DIA D	WIDTH C	WIDTH T				
435 Series (cont)												
442-S	40.000 1.5748	29.900 1.1772	3.5 .14	.62 kg 1.38 lb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

*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 – 475 SERIES

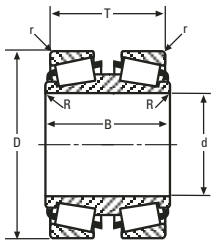
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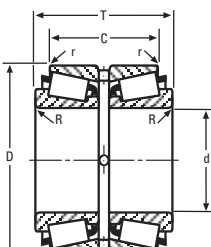
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
455 Series (cont)											
462A	57.150 2.2500	29.317 1.1542	2.3 .09	.67 kg 1.48 lb	454	110.000 4.3307	27.000 1.0630	2.0 .08	.55 kg 1.21 lb	27.795 1.0943	
462W	57.150 2.2500	29.317 1.1542	2.3 .09	.66 kg 1.45 lb	*454AB	109.949 4.3287	22.225 .8750	.8 .03	.55 kg 1.21 lb	11.115 .4376	
463	47.625 1.8750	29.317 1.1542	4.8 .19	.85 kg 1.87 lb	454X	109.949 4.3287	27.000 1.0630	1.5 .06	.55 kg 1.21 lb	27.795 1.0943	
464	41.275 1.6250	29.317 1.1542	2.3 .09	.96 kg 2.12 lb	4520	101.200 3.9843	33.338 1.3125	3.3 .13	.42 kg .93 lb	38.900 1.5315	
464A	41.275 1.6250	29.317 1.1542	1.5 .06	.96 kg 2.13 lb	4536	111.125 4.3750	32.545 1.2813	3.3 .13	.83 kg 1.82 lb	38.107 1.5003	
465	50.000 1.9685	29.317 1.1542	2.3 .09	.82 kg 1.81 lb							
466	54.988 2.1649	29.317 1.1542	2.3 .09	.72 kg 1.60 lb							
466-S	55.562 2.1875	29.317 1.1542	2.3 .09	.71 kg 1.57 lb							
467	47.625 1.8750	29.317 1.1542	.8 .03	.86 kg 1.91 lb							
468	52.388 2.0625	29.317 1.1542	1.5 .06	.76 kg 1.68 lb							
468W	52.388 2.0625	29.317 1.1542	1.5 .06	.76 kg 1.68 lb							
469	57.150 2.2500	29.317 1.1542	3.5 .14	.68 kg 1.49 lb							
469-S	57.150 2.2500	29.317 1.1542	4.8 .19	.67 kg 1.47 lb							
469A	57.150 2.2500	29.317 1.1542	3.5 .14	.67 kg 1.47 lb							
NA455	50.800 2.0000	32.545 1.2813	3.5 .14	1.69 kg 3.72 lb	*452D	107.950 4.2500	53.975 2.1250	.8 .03	1.09 kg 2.40 lb	65.090 2.5626	
*NA455-SW	50.800 2.0000	32.545 1.2813	3.5 .14	1.73 kg 3.81 lb	*452DC	107.950 4.2500	53.975 2.1250	.8 .03	1.09 kg 2.40 lb	65.090 2.5626	
					*453DW	114.300 4.5000	55.562 2.1875	.8 .03	1.49 kg 3.29 lb	65.090 2.5626	
*NA456-SW	50.800 2.0000	37.308 1.4688	3.5 .14	1.93 kg 4.26 lb	NA456-SW may be paired with all double cups corresponding to NA455 and will require 9.525 mm (.3750 in) to be added to the T-width values.						
475 Series											
475	55.000 2.1654	29.007 1.1420	.8 .03	1.16 kg 2.56 lb	472	120.000 4.7244	24.237 .9542	2.0 .08	.49 kg 1.07 lb	29.794 1.1730	482-SW: KEYWAY IN BACKFACE
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	482E: SHOULDER ON ID BACKFACE
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	NA483-SW: EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE
477	63.500 2.5000	29.007 1.1420	.8 .03	.98 kg 2.17 lb	*472D	120.000 4.7244	53.975 2.1250	.8 .03	1.21 kg 2.67 lb	65.090 2.5626	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 SLOTS IN FRONTFACE
478XA	64.988 2.5586	29.007 1.1420	2.3 .09	.94 kg 2.08 lb	473	120.000 4.7244	29.000 1.1417	2.0 .08	.54 kg 1.18 lb	29.794 1.1730	
479	66.675 2.6250	29.007 1.1420	2.3 .09	.90 kg 1.99 lb	473XS	119.979 4.7236	27.193 1.0706	.5 .02	.58 kg 1.28 lb	32.751 1.2894	487TD: TAPERED BORE
480	68.262 2.6875	29.007 1.1420	3.5 .14	.86 kg 1.90 lb	474	130.000 5.1181	31.000 1.2205	2.0 .08	1.07 kg 2.36 lb	31.796 1.2518	472-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
482	69.850 2.7500	29.007 1.1420	3.5 .14	.82 kg 1.81 lb	474XS	120.000 4.7244	26.187 1.0310	2.0 .08	.54 kg 1.20 lb	31.796 1.2518	472D : GROOVE IN OD CENTER HOLES IN OD CENTER
*482-SW	69.850 2.7500	29.007 1.1420	3.5 .14	.80 kg 1.75 lb							472DC : HOLES IN OD CENTER
482A	69.850 2.7500	29.007 1.1420	4.8 .19	.81 kg 1.79 lb							472DS : HOLES IN OD CENTER

475 SERIES CONTINUED ON NEXT PAGE

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

2

CONE			Max Shaft Fillet Radii R ¹	Weight	CUP			Max Hs'ng Fillet Radii r ¹	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
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 SPECIAL RADIUS ON RIGHTFACE 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		
					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.	14.51 kg 32.00 lb	65.090 2.5626		
					*K104052 203.200 8.0000	76.200 3.0000	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
					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.	19.99 kg 44.08 lb	65.090 2.5626		
					*K109587 165.511 6.5162	71.438 2.8125	spcl.	5.01 kg 11.04 lb	65.090 2.5626		
					*K302661 203.200 8.0000	101.600 4.0000	spcl.	22.09 kg 48.71 lb	65.090 2.5626		
					*K312461 158.750 6.2500	73.025 2.8750	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		

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

475 – 495 SERIES

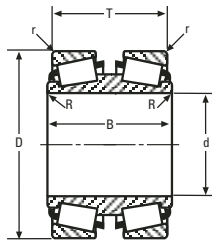
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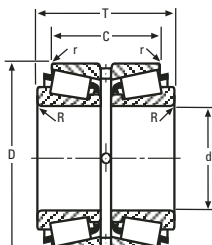
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEARING WIDTH T	Remarks					
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C									
475 Series (cont)																
*482E	69.850 2.7500	45.964 1.8096	1.0 .04	1.21 kg 2.66 lb	473XS	119.979 4.7236	27.193 1.0706	.5 .02	.58 kg 1.28 lb	32.636 1.2849	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.					
					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						
					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.											
					NA483-SW	70.000 2.7559	37.308 1.4688	3.5 .14	1.91 kg 4.21 lb							
					NA485-SW	69.987 2.7554	37.308 1.4688	3.5 .14	1.96 kg 4.33 lb							
495 Series																
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	495DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE					
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												
497X	75.000 2.9528	29.769 1.1720	3.0 .12	1.30 kg 2.86 lb												
498	84.138 3.3125	29.769 1.1720	3.5 .14	1.03 kg 2.26 lb												
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												
											494DC: HOLES IN OD CENTER					
											K312463: FLANGE ON OD LEFTFACE					
											K312471: ASYMMETRICAL BEARING FLANGE ON OD LEFTFACE SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD					
											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.

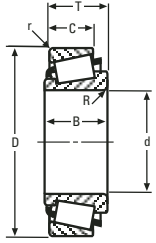
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CONE			Max Shaft Fillet Radii R''	Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
495 Series (cont)											
*495DA	76.200 3.0000	106.477 4.1920	.8 .03	4.04 kg 8.90 lb	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.						

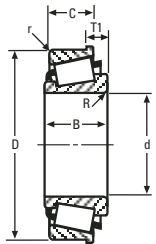
**These Maximum Fillet Radii will be cleared by the Cone or Cup Radii.
†Bore or O.D. shown are maximum dimensions. * See Remarks Column.

525 – 535 SERIES

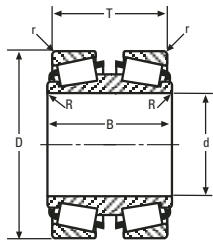
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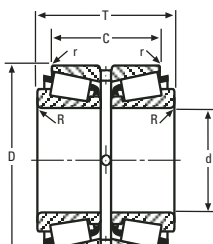
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

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

2

CONE			Max Shaft Fillet Radii R''	Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEARING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			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											
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: 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	NA558-SW: EXTENDED SMALL RIB 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											
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	568T: TAPERED BORE
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	562DS: HOLES IN OD CENTER SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
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	
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	563-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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 – 575 SERIES

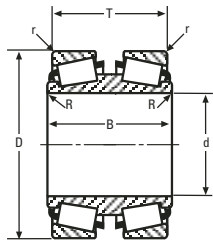
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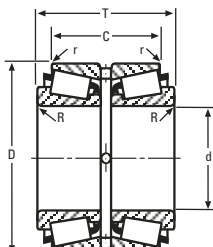
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
565 Series (cont)											
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	T78331 : ASYMMETRICAL BEARING BROKEN CORNER ON LEFTFACE OD BROKEN CORNER ON RIGHTFACE OD	
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.	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											
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	579TD : ASYMMETRICAL BEARING REVERSE TAPERED BORE	
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	572D : GROOVE IN OD CENTER HOLES IN OD CENTER	
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	572DC : 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		
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.

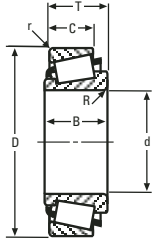
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CONE				Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R''		Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
575 Series (cont)											
*579TD	85.136 3.3518	80.134 3.1549	.8 .03	3.73 kg 8.23 lb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

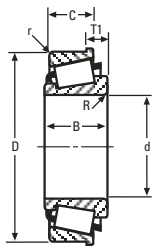
†These Maximum Fillet Radii will be cleared by the Cone or Cup Radii.
†Bore or O.D. shown are maximum dimensions. * See Remarks Column.

595 – 635 SERIES

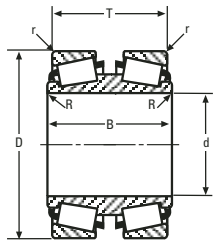
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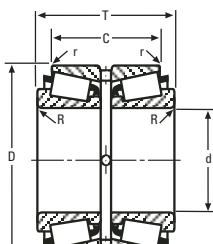
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max H's'ng Fillet Radii r ^{**}	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
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											
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	617W: KEYWAY IN ID 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	
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	613-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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											
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	639X: BACKFACE CHAMFER
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	NA643-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE

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.

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CONE				Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEARING	Remarks
Number	BORE d	WIDTH B				Number	OUTSIDE DIA D	WIDTH C				
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	632-S : KEYWAY IN OD BACKFACE THREADED OD FRONTFACE	
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	632AS : KEYWAY IN OD SURFACE 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	632D : GROOVE IN OD CENTER HOLES IN OD CENTER	
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		
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 634W : KEYWAY BACKFACE SLOTS OD SURFACE	
645X	71.438 2.8125	41.275 1.6250	6.4 .25	1.49 kg 3.29 lb								
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	
*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	SPECIAL RADIUS ON RIGHTFACE OD	
					*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												
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	NA659-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE	
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	652-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION	
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	
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	REVERSE TAPERED OD SPECIAL RADIUS ON LEFTFACE OD	
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	SPECIAL RADIUS ON RIGHTFACE OD	
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	654D: GROOVE IN OD CENTER HOLES IN OD CENTER	
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	654DC: 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		
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		

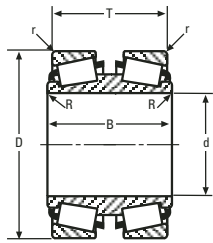
**These Maximum Fillet Radii will be cleared by the Cone or Cup Radii.
†Bore or O.D. shown are maximum dimensions. * See Remarks Column.



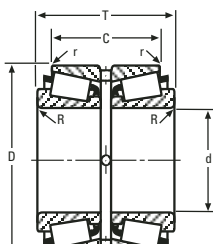
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEARING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
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											
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	688TD: TAPERED BORE
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: EXTENDED SMALL RIB
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	NA691-SW: EXTENDED SMALL RIB SLOTS IN FRONTFACE
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	672-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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	672	168.275 6.6250	30.162 1.1875	3.3 .13	1.22 kg 2.69 lb	95.250 3.7500	
685W	98.425 3.8750	41.275 1.6250	3.5 .14	2.29 kg 5.05 lb	672A	168.275 6.6250	34.925 1.3750	3.3 .13	1.32 kg 2.91 lb	95.250 3.7500	
687	101.600 4.0000	41.275 1.6250	3.5 .14	2.14 kg 4.72 lb	672P	168.275 6.6250	30.162 1.1875	3.3 .13	1.22 kg 2.70 lb	95.250 3.7500	
687P	101.600 4.0000	41.275 1.6250	3.5 .14	2.16 kg 4.75 lb	673	169.974 6.6919	30.162 1.1875	3.3 .13	1.33 kg 2.93 lb	95.250 3.7500	
689	103.188 4.0625	41.275 1.6250	3.5 .14	2.06 kg 4.54 lb	673X	170.000 6.6929	30.162 1.1875	3.0 .12	1.33 kg 2.94 lb	95.250 3.7500	
*688TD	100.211 3.9453	95.250 3.7500	.8 .03	6.57 kg 14.48 lb	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.

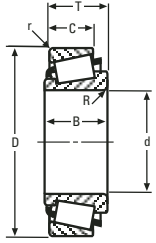
2

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

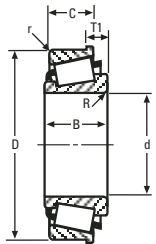
*These Maximum Fillet Radii will be cleared by the Cone or Cup Radii.
†Bore or O.D. shown are maximum dimensions. * See Remarks Column.

755 - 775 SERIES

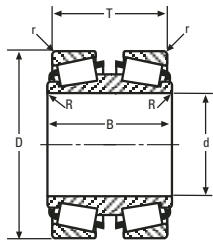
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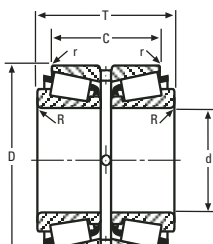
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R**	Weight	CUP			Max Hs'ng Fillet Radii r**	Weight	BEARING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
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											
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	NA776-SW: FRONTFACE CHAMFER 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	774D: GROOVE IN OD CENTER HOLES IN OD CENTER	
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		
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.

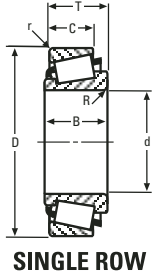
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CONE				Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R''		Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
775 Series (cont)											
786	104.775 4.1250	48.006 1.8900	6.4 .25	2.87 kg 6.34 lb							
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 -.6350 mm (-.2500 in) to be added to the T-width values.						
795 Series											
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	
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	
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	
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	
799A	130.175 5.1250	47.625 1.8750	3.5 .14	3.76 kg 8.28 lb							
799W	128.587 5.0625	47.625 1.8750	3.3 .13	3.92 kg 8.64 lb							
*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	
*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	
*796DEE	125.000 4.9213	184.150 7.2500	.8 .03	13.46 kg 29.68 lb							
*797DA	125.412 4.9375	157.958 6.2188	.8 .03	12.41 kg 27.37 lb							
*797DE	125.412 4.9375	184.150 7.2500	.8 .03	13.24 kg 29.20 lb							
*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 kg 26.51 lb							
*798DE	127.000 5.0000	184.150 7.2500	.8 .03	12.82 kg 28.27 lb							
*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	
										795DE: EXTENDED SMALL RIB 796DE: EXTENDED SMALL RIB 796DEE: EXTENDED SMALL RIB 797DA: EXTENDED SMALL RIB HOLES IN OD LEFTFACE 797DE: EXTENDED SMALL RIB 797DEE: EXTENDED SMALL RIB 797TD: ASYMMETRICAL BEARING TAPERED BORE 798DA: EXTENDED SMALL RIB HOLES IN OD LEFTFACE 798DE: EXTENDED SMALL RIB 798DEE: EXTENDED SMALL RIB NA798-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE 792-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION 792CD : GROOVE IN OD CENTER HOLES IN OD CENTER 793DE : 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.

795 – 855 SERIES

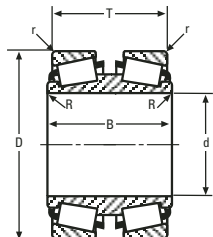
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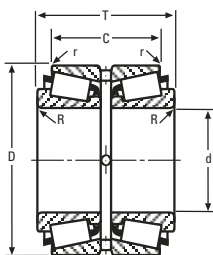
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max H's'ng Fillet Radii r ^{**}	Weight	BEARING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
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											
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	843V: 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	850V: MADE FROM VACUUM MELT STEEL
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	832-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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	832V: MADE FROM VACUUM MELT STEEL
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	833W: KEYWAY BACKFACE
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	834D: GROOVE IN OD CENTER HOLES IN OD CENTER
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											
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	861V: MADE FROM VACUUM MELT STEEL
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	861W: 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	864W: KEYWAY IN ID
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	854-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
*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	854D: GROOVE IN OD CENTER 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.

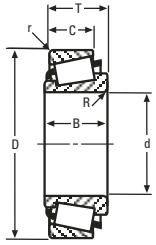
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CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
855 Series (cont)											
					*854DC	190.500 7.5000	101.600 4.0000	1.5 .06	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											
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	892-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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	892CD : GROOVE IN OD CENTER HOLES IN OD CENTER
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	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	935A: SPECIAL BACKFACE RADIUS
*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	936W: KEYWAY IN ID
					*932-B	212.725 8.3750	53.975 2.1250	3.3 .13	4.44 kg 9.78 lb	23.812 .9375	937XA: SPECIAL BACKFACE RADIUS
					933	210.000 8.2677	53.975 2.1250	3.3 .13	3.72 kg 8.19 lb	67.000 2.6378	932-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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	932CD: GROOVE IN OD CENTER HOLES IN OD CENTER
*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.
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1100 – 1900 SERIES

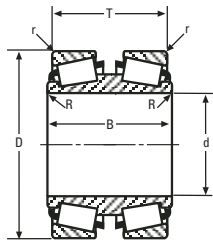
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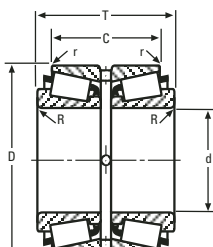
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R**	Weight	CUP			Max Hs'ng Fillet Radii r**	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
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											
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	1380V: MADE FROM VACUUM MELT STEEL
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	1328-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
*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	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	1551: BACKFACE CHAMFER SPECIAL FRONTFACE RADIUS
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											
1755	22.225 .8750	19.837 .7810	1.3 .05	-	*BB-1217	56.896 2.2400	15.875 .6250	spcl. spcl.	-	19.368 .7625	1784A: FRONTFACE CHAMFER
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	BB-1217: SPECIAL RADIUS ON BACKFACE OD SPECIAL RADIUS ON FRONTFACE OD
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											
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	1922-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	1931-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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

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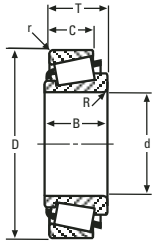
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CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			T	
1900 Series (cont)											
1986W	25.400 1.0000	19.355 .7620	.8 .03	.16 kg .35 lb	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											
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	A2043: FRONTFACE CHAMFER SLOTS IN FRONTFACE NON-ADJUSTABLE CONE
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
					K103256	38.100 1.5000	26.988 1.0625	1.3 .05	.12 kg .27 lb	28.578 1.1251	SPECIAL RADIUS ON RIGHTFACE OD
					*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											
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	2553: 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	2554: EXTENDED LARGE RIB
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	2557T: EXTENDED LARGE RIB TAPERED BORE
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 – 2700 SERIES

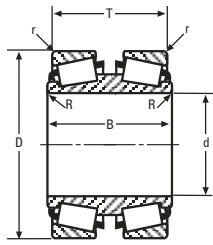
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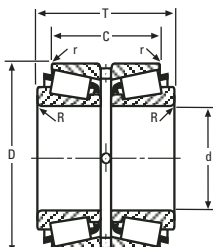
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

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

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.

2700 – JRM3000 SERIES

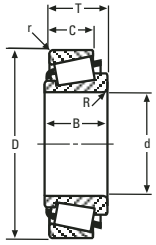
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CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
2700 Series (cont)											
2780	36.487 1.4365	25.654 1.0100	1.5 .06	-	2729X	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											
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	2924-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION SPECIAL RADIUS ON BACKFACE OD
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 – 3400 SERIES

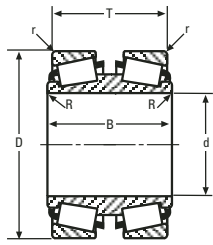
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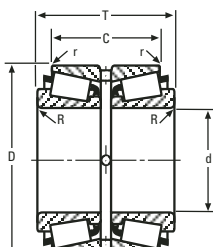
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

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

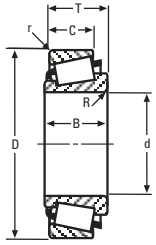
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CONE			Max Shaft Fillet Radii R''	Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
3400 Series (cont)											
*3476-SW	31.750 1.2500	29.771 1.1721	1.3 .05	.49 kg 1.09 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
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	3420-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
*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	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	3575T TAPERED BORE
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	3586V: 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	3520V: MADE FROM VACUUM MELT STEEL
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	3525-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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 BACKFACE OD 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 – 3700 SERIES

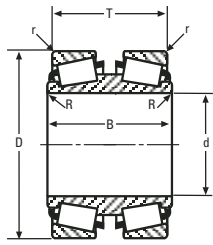
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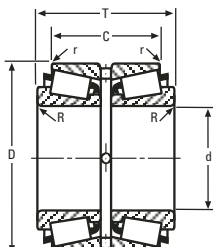
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max H's'ng Fillet Radii r ^{**}	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
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											
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	3655: BROKEN BACKFACE ID 3620-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION SPECIAL RADIUS ON BACKFACE OD SPECIAL RADIUS ON FRONTFACE OD
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	
*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											
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	3750T: EXTENDED LARGE RIB TAPERED BORE
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 EXTENDED LARGE RIB
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	
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 HOLES 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	
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.

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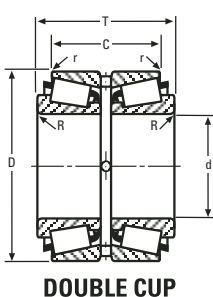
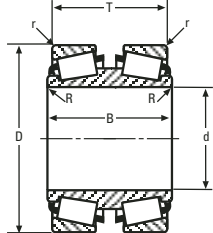
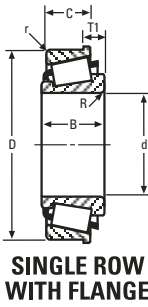
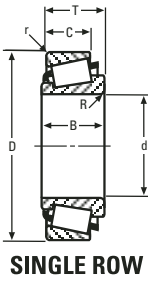
CONE			Max Shaft Fillet Radii R''	Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEAR-ING	Remarks	
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T		
3700 Series (cont)												
*3762	50.800 2.0000	36.652 1.4430	3.5 .14	.66 kg 1.45 lb								
NA3780	50.800 2.0000	32.542 1.2812	3.5 .14	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												
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	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	
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												
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	3955: 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	3958: 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	3959: BROKEN BACKFACE ID EXTENDED LARGE RIB	
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	
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	KEYWAY IN OD SURFACE	
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 – 4300 SERIES

3

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max H's'ng Fillet Radii r ^{**}	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
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											
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	A4051: EXTENDED LARGE RIB EXTENDED SMALL RIB SLOTS IN FRONTFACE NON-ADJUSTABLE CONE
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	A4138-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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	A4138D: GROOVE IN OD CENTER HOLES IN OD CENTER
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	K444656: SPECIAL CHAMFER ON LEFTFACE OD SPECIAL CHAMFER ON RIGHTFACE OD
					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											
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	4356: EXTENDED LARGE RIB 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.

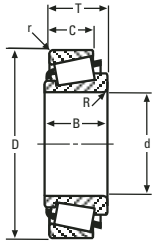
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CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
4300 Series (cont)											
4388	41.275 1.6250	40.386 1.5900	3.5 .14	.80 kg 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											
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	4550T: TAPERED BORE
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	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	JF4549: FRONTFACE CHAMFER
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											
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	A5069V: MADE FROM SPECIAL STEEL 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	SEE HYDRA-RIB SECTION					
*†JP5049PH	SEE HYDRA-RIB SECTION				*†JP5019HR	SEE HYDRA-RIB SECTION					
JW5000 Series											
*†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	JW5049: FRONTFACE CHAMFER
5300 Series											
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	5354: BROKEN BACKFACE ID 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 – A6000 SERIES

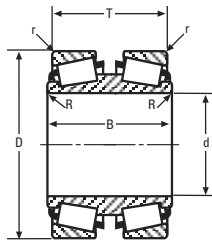
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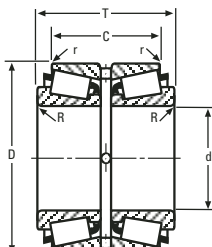
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
5500 Series											
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	5550T: EXTENDED LARGE RIB TAPERED BORE
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	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	JW5549: FRONTFACE CHAMFER
5700 Series											
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	5757T: 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	5784T: TAPERED BORE 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											
A6062	15.875 .6250	11.153 .4391	1.3 .05	.04 kg 1.0 lb	A6157	39.992 1.5745	9.525 .3750	1.3 .05	.03 kg .07 lb	12.014 .4730	A6157-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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.

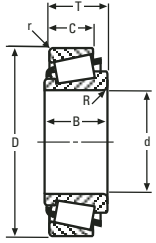
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CONE			Max Shaft Fillet Radii R''	Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEARING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
A6000 Series (cont)											
A6075	19.050 .7500	11.153 .4391	1.0 .04	.04 kg .08 lb	*A6157-B 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	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	JF6049: FRONTFACE CHAMFER	
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											
†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 : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION	
					*†JP6010-B 100.000 3.9370	15.500 .6102	2.0 .08	.20 kg .43 lb	8.500 .3347		
JW6000 Series											
*†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	JW6049: FRONTFACE CHAMFER	
6200 Series											
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	6220-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION	
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											
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	6386V: MADE FROM VACUUM MELT STEEL	
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	6320-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION	
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 – JD6500 SERIES

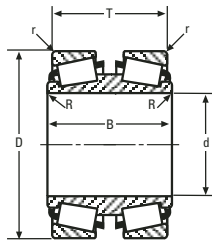
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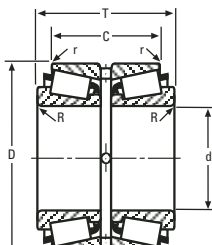
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

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

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.

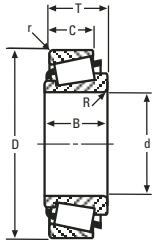
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CONE			Max Shaft Fillet Radii R''	Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEARING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
JW6500 Series											JW6549: FRONTFACE CHAMFER
*†JW6549	65.000 2.5591	33.500 1.3189	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											
†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-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
					†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	SEE HYDRA-RIB SECTION				*†JP7520HR	SEE HYDRA-RIB SECTION					
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											
†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: HOLES IN BACKFACE TO UNDERCUT
*†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											
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	8575X: KEYWAY IN ID
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	NA8575-SW: EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE
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	8520CD : GROOVE IN OD CENTER HOLES IN OD CENTER
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	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	SEE HYDRA-RIB SECTION				JP8519HR	SEE HYDRA-RIB SECTION					
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 – 9900 SERIES

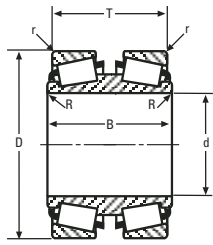
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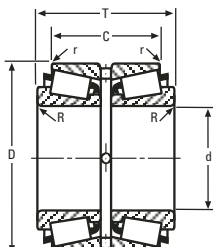
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R''	Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
8900 Series											
*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	8970DW: KEYWAY IN ID
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											
†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	JP9010-B: FLANGE ON OD FRONTFACE, 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	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.
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							
9200 Series											
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	9285XX: MADE FROM VACUUM MELT STEEL 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: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
					*9221-B	161.925 6.3750	30.162 1.1875	3.3 .13	1.46 kg 3.23 lb	24.600 .9685	
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	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	NA9378: EXTENDED SMALL RIB 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 DIMENSION
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	
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	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	9974D: ASYMMETRICAL BEARING 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

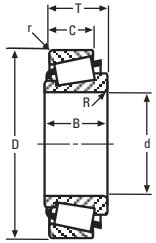
**These Maximum Fillet Radii will be cleared by the Cone or Cup Radii.
†Bore or O.D. shown are maximum dimensions. *See Remarks Column.

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			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.						

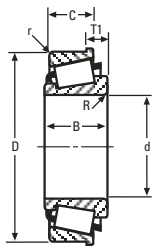
**These Maximum Fillet Radii will be cleared by the Cone or Cup Radii.
†Bore or O.D. shown are maximum dimensions. *See Remarks Column.

00000 – 03000 SERIES

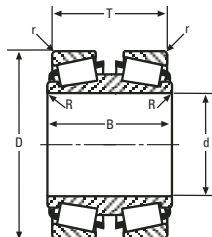
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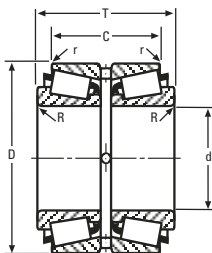
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEAR-ING	Remarks	
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T		
00000 Series												
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	00153DB: FLANGE ON OD LEFTFACE 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												
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	02420-B: FLANGE ON OD FRONT FACE, BEARING WIDTH IS T1 DIMENSION	
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												
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		02823D : GROOVE IN OD CENTER HOLES IN OD CENTER
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												
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	NA03063-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE 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.

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CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEAR-ING	Remarks	
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T		
03000 Series (cont)												
*NA03063-SW	15.875	18.258	.8	.14 kg .31 lb	*K24429	50.800	34.925	2.8	.27 kg	36.515		
	.6250	.7188	.03			2.0000	1.3750	.11	.59 lb	1.4376		
					K35667	53.975	34.925	3.3	.34 kg	36.515		
						2.1250	1.3750	.13	.75 lb	1.4376		
				K90651	50.800	34.925	2.3	.28 kg	36.515			
					2.0000	1.3750	.09	.62 lb	1.4376			
				K97770	52.388	34.925	3.3	.33 kg	36.515			
					2.0625	1.3750	.13	.72 lb	1.4376			
05000 Series												
05062	15.875	14.381	1.5	-	05175	44.450	11.430	1.5	.03 kg	15.494	NA05076-SW: EXTENDED LARGE RIB FRONTFACE CHAMFER SLOTS IN FRONTFACE	
	.6250	.5662	.06	-		1.7500	4.500	.06	.07 lb	.6100		
05066	16.993	14.381	1.5	-	*05180D	45.984	25.212	.8	.11 kg	31.750	05180D : GROOVE IN OD CENTER HOLES IN OD CENTER	
	.6690	.5662	.06	-		1.8104	.9926	.03	.24 lb	1.2500		
05068	17.462	14.381	.8	-	05185	47.000	11.112	1.3	.05 kg	14.381	05185-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION	
	.6875	.5662	.03	-		1.8504	4.375	.05	.10 lb	.5662		
05070X	18.000	14.381	1.5	-	05185A	46.982	11.112	1.5	.05 kg	14.381	05185D : GROOVE IN OD CENTER HOLES IN OD CENTER	
	.7087	.5662	.06	-		1.8497	4.375	.06	.10 lb	.5662		
05070XS	17.988	14.381	2.0	-	*05185-B	47.000	11.112	1.5	.05 kg	6.038	K39214 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD	
	.7082	.5662	.08	-		1.8504	4.375	.06	.12 lb	.2377		
05075	19.050	14.381	1.3	-	*05185D	47.000	25.212	.8	.11 kg	31.750	K104605 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD	
	.7500	.5662	.05	-		1.8504	.9926	.03	.24 lb	1.2500		
05075X	19.050	14.381	1.5	-	05185-S	47.000	11.112	1.5	.05 kg	14.381	K312495 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD SPHERICAL OD	
	.7500	.5662	.06	-		1.8504	4.375	.06	.10 lb	.5662		
05075XS	19.050	14.381	1.5	-	05186	46.990	12.000	1.5	.05 kg	15.250		
	.7500	.5662	.06	-		1.8500	4.724	.06	.11 lb	.6004		
05079	19.987	14.381	1.5	-								
	.7869	.5662	.06	-								
NA05075	19.050	15.875	1.3	-	*05180D	45.984	25.212	.8	.11 kg	31.750		
	.7500	.6250	.05	-		1.8104	.9926	.03	.24 lb	1.2500		
				-	*05185D	47.000	25.212	.8	.11 kg	31.750		
				-		1.8504	.9926	.03	.24 lb	1.2500		
				-	*K39214	63.500	33.338	spcl.	.49 kg	31.750		
				-		2.5000	1.3125	spcl.	1.07 lb	1.2500		
				-	*K104605	57.150	33.338	spcl.	.33 kg	31.750		
				-		2.2500	1.3125	spcl.	.72 lb	1.2500		
				-	K108609	63.500	33.338	-	.44 kg	31.750		
				-		2.5000	1.3125	-	.98 lb	1.2500		
				-	*K312495	63.500	33.338	spcl.	.38 kg	31.750		
				-		2.5000	1.3125	spcl.	.84 lb	1.2500		
*NA05076-SW	19.050	17.462	.8	-	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.							
	.7500	.6875	.03	-								
07000 Series												
07079	20.000	14.260	1.5	.10 kg	07196	50.005	9.525	1.0	.03 kg	13.495	07196-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION	
	.7874	.5614	.06	.22 lb		1.9687	.3750	.04	.08 lb	.5313		
07079X	19.987	14.260	1.5	.10 kg	*07196-B	50.005	9.525	1.0	.04 kg	6.749	07196D: GROOVE IN OD CENTER HOLES IN OD CENTER	
	.7869	.5614	.06	.22 lb		1.9687	.3750	.04	.09 lb	.2657		
07087	22.225	14.260	1.3	.09 kg	*07196D	50.005	25.400	.6	.10 kg	33.341	07196DC: HOLES IN OD CENTER	
	.8750	.5614	.05	.21 lb		1.9687	1.0000	.02	.23 lb	1.3126		
07087X	22.225	14.260	1.5	.09 kg	*07196DC	50.005	25.400	.6	.10 kg	33.341	07204-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION	
	.8750	.5614	.06	.21 lb		1.9687	1.0000	.02	.23 lb	1.3126		
07090X	22.987	14.260	2.5	.09 kg	07204	51.994	12.700	1.3	.06 kg	15.011	07205-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION	
	.9050	.5614	.10	.20 lb		2.0470	.5000	.05	.13 lb	.5910		
07093	23.812	14.260	1.5	.09 kg	*07204-B	51.994	12.700	1.5	.07 kg	5.080		
	.9375	.5614	.06	.19 lb		2.0470	.5000	.06	.15 lb	.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 – 09000 SERIES

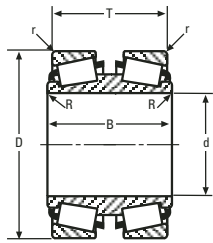
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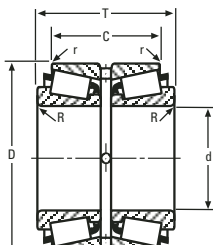
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEARING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
07000 Series (cont)											
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	07210XB: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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											
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	08118DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
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							08125DE: EXTENDED SMALL RIB
*08118DEE	30.162 1.1875	69.850 2.7500	.8 .03	.44 kg .98 lb							08125DEE: EXTENDED SMALL RIB
*08125DA	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
*08125DAA	31.750 1.2500	60.325 2.3750	.8 .03	.36 kg .80 lb							08231D : GROOVE IN OD CENTER HOLES IN OD CENTER
*08125DE	31.750 1.2500	69.850 2.7500	.8 .03	.41 kg .90 lb							
*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											
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	09070: BACKFACE CHAMFER 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

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†Bore or O.D. shown are maximum dimensions. *See Remarks Column.

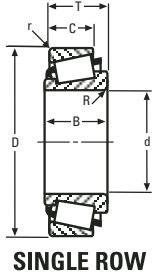
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CONE			Max Shaft Fillet Radii R''	Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
09000 Series (cont)											
*09073T	19.050 .7500	21.539 .8480	.3 .01	.09 kg .19 lb	*09195AB	49.225 1.9380	14.288 .5625	1.3 .05	.07 kg .16 lb	8.809 .3468	09073T: BROKEN BACKFACE ID 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
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	09075: BACKFACE CHAMFER EXTENDED LARGE RIB FRONTFACE CHAMFER SHOULDER ON OD BACKFACE THREADED BORE
					09194-S	52.883 2.0820	14.684 .5781	3.3 .13	.10 kg .21 lb	18.430 .7256	09079: NO SMALL RIB
					09195	49.225 1.9380	14.288 .5625	1.3 .05	.06 kg .14 lb	18.034 .7100	09081-S: BACKFACE CHAMFER
					*09195AB	49.225 1.9380	14.288 .5625	1.3 .05	.07 kg .16 lb	6.998 .2755	09195AB: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
					*09195DB	49.225 1.9380	31.549 1.2421	.8 .03	.17 kg .38 lb	39.042 1.5371	09195DB: FLANGE ON OD RIGHTFACE
					09196	49.225 1.9380	17.462 .6875	1.5 .06	.08 kg .18 lb	21.209 .8350	T48651: BROKEN CORNER ON BACKFACE OD BROKEN CORNER ON FRONTFACE OD
					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											
†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	JP10048: NO LARGE RIB STRAIGHT OD 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	

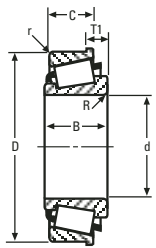
*These Maximum Fillet Radii will be cleared by the Cone or Cup Radii.
†Bore or O.D. shown are maximum dimensions. *See Remarks Column.

JP10000 – M12400 SERIES

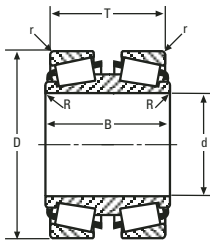
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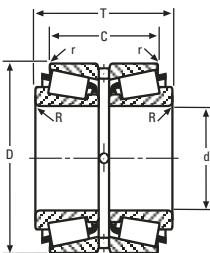
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE				Weight	CUP				Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R**		Number	OUTSIDE DIA D	WIDTH C	Max Hs'ng Fillet Radii r**			
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 -.4785 mm (-.1660 in) to be added to the T-width values.						
†JP10049H	SEE HYDRA-RIB BEARING SECTION				†JP10019HRA	SEE HYDRA-RIB BEARING SECTION					
					†JP10019HR	SEE HYDRA-RIB BEARING SECTION					
11000 Series											
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	11300-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION 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	SEE HYDRA-RIB BEARING SECTION					SEE HYDRA-RIB BEARING SECTION					
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											
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	LM11919 : CHAMFER ON FRONTFACE OD
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											
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	12303-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION SPECIAL RADIUS ON BACKFACE OD
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	
JP12000 Series											
*†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	JP12049: FRONTFACE CHAMFER 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	SEE HYDRA-RIB BEARING SECTION					SEE HYDRA-RIB BEARING SECTION					
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.

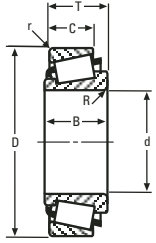
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CONE			Max Shaft Fillet Radii R''	Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
12500 Series											
12580	20.638 .8125	19.845 .7813	1.5 .06	.12 kg .26 lb	12520 *T70335	49.225 1.9380 76.200 3.0000	15.875 .6250 46.833 1.8438	1.5 .06 5.0 .20	.07 kg .15 lb 1.12 kg 2.48 lb	19.845 .7813 43.663 1.7190	NA12581-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE T70335 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD
*NA12581-SW	20.638 .8125	24.211 .9532	1.5 .06	.29 kg .65 lb	K38958 *T70335	76.200 3.0000 76.200 3.0000	46.833 1.8438 46.833 1.8438	3.3 .13 5.0 .20	1.12 kg 2.48 lb 1.12 kg 2.48 lb	48.423 1.9064 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											
LM12748	21.430 .8437	16.637 .6550	1.3 .05	- -	LM12710	45.237 1.7810	12.065 4.750	1.3 .05	.04 kg .08 lb	15.494 .6100	JLM12712-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION SPECIAL RADIUS ON BACKFACE OD
LM12748F	21.430 .8437	16.637 .6550	1.3 .05	.08 kg .17 lb	LM12710P	45.237 1.7810	12.065 4.750	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 4.750	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 4.750	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											
†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	JP13010-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
†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					†JP13016HR	SEE HYDRA-RIB BEARING SECTION					
†JP13049P											
13600 Series											
*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	13677-SD: SQUARE BORE 13678-SD: SQUARE BORE
*13678-SD	39.548 1.5570	73.025 2.8750	.4 .01	.69 kg 1.52 lb	13621 13621A *13623X 13624	69.012 2.7170 69.012 2.7170 69.012 2.7170 69.969 2.7547	15.083 .5938 15.083 .5938 14.321 .5638 18.463 .7269 18.029 .7098	2.3 .09 2.3 .09 .4 .02 1.5 .06	.10 kg .22 lb .09 kg .20 lb .14 kg .30 lb .15 kg .33 lb	41.275 1.6250 39.751 1.5650 48.036 1.8912 47.168 1.8570	13686 : EXTENDED LARGE RIB 13621D : GROOVE IN OD CENTER HOLES IN OD CENTER 13621DC: HOLES IN OD CENTER

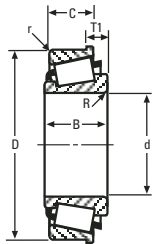
†These Maximum Fillet Radii will be cleared by the Cone or Cup Radii.
†Bore or O.D. shown are maximum dimensions. *See Remarks Column.

13600 – 14000 SERIES

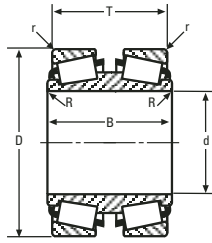
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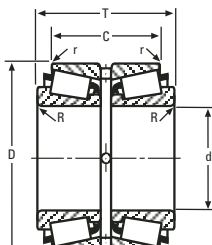
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEARING WIDTH T	Remarks	
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C					
13600 Series (cont)												
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	13623X: GROOVE IN OD BACKFACE	
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												
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		13835D : GROOVE IN OD CENTER 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												
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	14117A: FRONTFACE CHAMFER 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		
*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	14118DA: ASYMMETRICAL BEARING EXTENDED SMALL RIB HOLES IN OD RIGHTFACE	
*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 SHOULDER ON OD BACKFACE	
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	14123AA: EXTENDED LARGE RIB 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	14123DA: ASYMMETRICAL BEARING HOLES IN OD RIGHTFACE	
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	14123T: TAPERED BORE	
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		
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		

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.

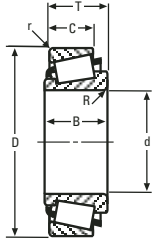
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CONE			Max Shaft Fillet Radii R [†]	Weight	CUP			Max Hs'ng Fillet Radii r [†]	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
14000 Series (cont)											
14131	33.338 1.3125	19.583 .7710	.8 .03	.21 kg .46 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							

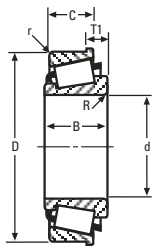
[†]These Maximum Fillet Radii will be cleared by the Cone or Cup Radii.
[†]Bore or O.D. shown are maximum dimensions. *See Remarks Column.

14000 – 15000 SERIES

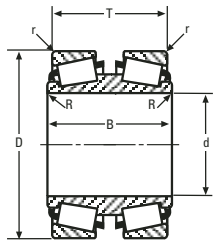
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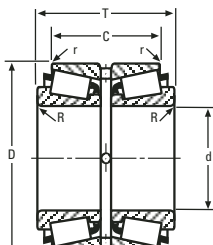
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE				Weight	CUP				Weight	BEARING		Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R ^{**}		Number	OUTSIDE DIA D	WIDTH C	Max Hs'ng Fillet Radii r ^{**}		WIDTH T		
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												
†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 : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION	
					*†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	SEE HYDRA-RIB BEARING SECTION											
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												
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	NA15117-SW: FRONTFACE CHAMFER SLOTS IN FRONTFACE	
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	15250-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION	
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	15250RB : GROOVE IN OD FRONTFACE	
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	15251D : GROOVE IN OD CENTER HOLES IN OD CENTER	
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	K33867 : SPECIAL RADIUS ON LEFTFACE OD SPECIAL RADIUS ON RIGHTFACE OD	
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	T70125 : 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		
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.

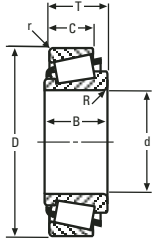
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CONE			Max Shaft Fillet Radii R''	Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
15000 Series (cont)											
					K154600	83.500 3.2874	49.212 1.9375	3.3 .13	1.18 kg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

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†Bore or O.D. shown are maximum dimensions. *See Remarks Column.

JP16000 – 17500 SERIES

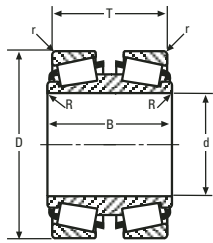
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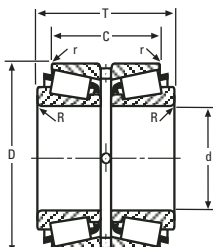
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE				Weight	CUP				Weight	BEARING		Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R		Number	OUTSIDE DIA D	WIDTH C	Max Hs'ng Fillet Radii r		WIDTH T		
JP16000 Series (cont)					SEE HYDRA-RIB BEARING SECTION							
†JP16043P					†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												
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	17117TD: TAPERED BORE	
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	17244-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION	
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	17245D: GROOVE IN OD CENTER HOLES IN OD CENTER	
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												
†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	JP17049P: GROOVE IN OD BACKFACE	
					†JP17010	230.000 9.0551	23.000 .9055	3.0 .12	.92 kg 2.02 lb	32.000 1.2598	JP17010-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION	
†JP17049P	SEE HYDRA-RIB BEARING SECTION				†JP17019HR	SEE HYDRA-RIB BEARING SECTION						
17400 Series												
*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	17481: NO SMALL RIB	
											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												
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	17581: BROKEN FRONTFACE ID 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

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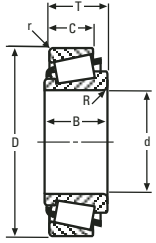
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CONE				Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R''		Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
17500 Series (cont)											
					*17520-B	42.862 1.6875	13.495 .5313	1.5 .06	.05 kg .12 lb	6.350 .2500	17520-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION 17520DB : FLANGE ON OD RIGHTFACE
					*17520DB	42.862 1.6875	26.988 1.0625	.8 .03	.11 kg .24 lb	33.338 1.3125	
17581											
17582											
17583	SEE MULTI-ROW STEERING GEAR BEARING SECTION				17520DB	SEE MULTI-ROW STEERING GEAR BEARING SECTION					
17584											
17800 Series											
*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	17883: EXTENDED LARGE RIB 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											
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	18200XX: MADE FROM VACUUM MELT STEEL
*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	18337-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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	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	JP18049-S: HOLES IN BACKFACE TO UNDERCUT
*†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	JP18010-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
†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											
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	18620-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION SPECIAL RADIUS ON BACKFACE OD
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

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18600 – 19000 SERIES

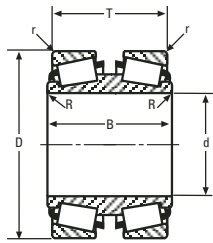
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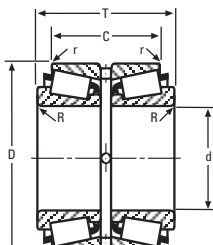
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max H's'ng Fillet Radii r ^{**}	Weight	BEARING WIDTH T	Remarks						
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C										
18600 Series (cont)																	
NA18685	44.450 1.7500	20.635 .8124	2.8 .11	-	*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							
					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	82.549 3.2500							
					18700 Series												
					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 2.968	18720-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
					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	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	19137DA: ASYMMETRICAL BEARING 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 HOLES IN OD LEFTFACE						
*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	19143DAA: ASYMMETRICAL BEARING 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 2.968	19283-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION						
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							
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.

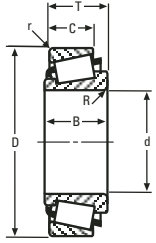
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CONE				Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B	Max Shaft Fillet Radii R''		Number	OUTSIDE DIA D	WIDTH C				
19000 Series (cont)					*19283-B	72.000 2.8346	14.288 .5625	1.5 .06	.14 kg .32 lb	6.286 .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					†JP20019HR			SEE HYDRA-RIB BEARING SECTION			
*†JP20049P				SEE HYDRA-RIB BEARING SECTION							
LL20900 Series											
*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	LL20949NW: FRONTFACE CHAMFER SLOTS IN FRONTFACE
					*K444657	34.925 1.3750	21.463 .8450	.8 .03	.08 kg .18 lb	22.225 .8750	K444657: SPHERICAL OD
21000 Series											
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	21212-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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	21226D : GROOVE IN OD CENTER 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	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	22150DA: ASYMMETRICAL BEARING HOLES IN OD LEFTFACE
*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							22168DE: EXTENDED SMALL RIB
*22168DEE	42.862 1.6875	85.725 3.3750	.8 .03	.94 kg 2.08 lb							22168DEE: EXTENDED SMALL RIB

**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 – 24700 SERIES

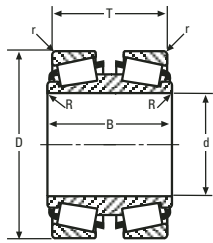
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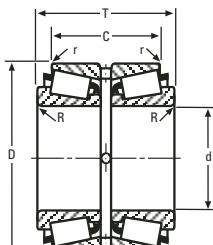
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
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	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	JL22349: FRONTFACE CHAMFER
*†JL22349F	22.000 .8661	14.400 .5669	.8 .03	- -							JL22349F: FRONTFACE CHAMFER
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											
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	23256-B : FLANGE ON OD FRONTFACE, 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 -.1054 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	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	23685: 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	23690: BROKEN FRONTFACE ID
*23691	35.000 1.3780	26.975 1.0620	3.5 .14	.31 kg .67 lb							23691: BROKEN FRONTFACE ID
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											
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	24262D : GROOVE IN OD CENTER 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	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	JP24049: FRONTFACE CHAMFER
24700 Series											
*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	NA24775-SW: BACKFACE CHAMFER 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.

24700 – 25500 SERIES

4

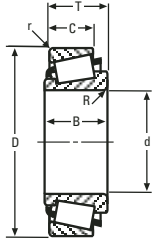
CONE			Max Shaft Fillet Radii R''	Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			T	
24700 Series (cont)											
					K78175	107.950 4.2500	57.150 2.2500	3.3 .13	2.20 kg 4.84 lb	58.735 2.3124	24780: BROKEN FRONTFACE ID
					K97753	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											
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	25289D : GROOVE IN OD CENTER HOLES IN OD CENTER
25500 Series											
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	25580A: SPECIAL BACKFACE RADIUS
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	25583: EXTENDED LARGE RIB
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
*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	SPECIAL RADIUS ON BACKFACE OD
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.

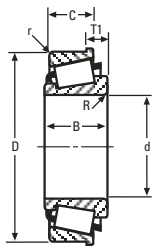
25500 SERIES CONTINUED ON NEXT PAGE

25500 – 26800 SERIES

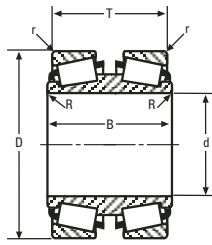
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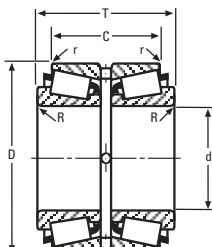
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R ^{**}	Weight	CUP			Max Hs'ng Fillet Radii r ^{**}	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
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											
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	NA26118-SW: FRONTFACE CHAMFER 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.

4

CONE			Max Shaft Fillet Radii R''	Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEAR-ING	Remarks	
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T		
26800 Series (cont)												
26886	42.875 1.6880	25.400 1.0000	1.5 .06	.33 kg .72 lb								
27600 Series												
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	NA27686T: REVERSE TAPERED BORE 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	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	27875: SPECIAL BACKFACE RADIUS 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 -.1588 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 -.3175 mm (-.1250 in) to be added to the T-width values.							
28000 Series												
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	28315-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION	
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 – 28900 SERIES

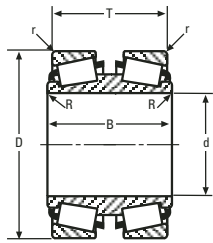
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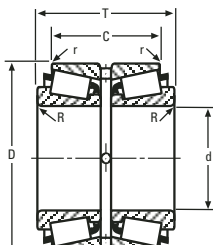
SINGLE ROW



SINGLE ROW WITH FLANGE



DOUBLE CONE



DOUBLE CUP

CONE			Max Shaft Fillet Radii R**	Weight	CUP			Max H's'ng Fillet Radii r**	Weight	BEAR-ING	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C			WIDTH T	
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											
†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	28580T: TAPERED BORE 28521-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION 28527RB: GROOVE IN OD BACKFACE
					28576	44.869 1.7665	25.400 1.0000	3.5 .14	.54 kg 1.19 lb	28521	
†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
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
*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	
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	28622-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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	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	28880: BROKEN FRONTFACE ID
28900 Series											
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	28921-B: FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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	
28990	61.976 2.4400	24.608 .9688	2.0 .08	.49 kg 1.08 lb	*28921DC	100.000 3.9370	44.450 1.7500	.8 .03	.57 kg 1.25 lb	55.560 2.1874	
					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.

29000 – LM29700 SERIES

4

CONE			Max Shaft Fillet Radii R''	Weight	CUP			Max Hs'ng Fillet Radii r''	Weight	BEARING WIDTH T	Remarks
Number	BORE d	WIDTH B			Number	OUTSIDE DIA D	WIDTH C				
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											
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	29520-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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	29526D : GROOVE IN OD CENTER HOLES IN OD CENTER
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	29526DRB : 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	
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											
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	29675V: MADE FROM VACUUM MELT 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	29685V: MADE FROM VACUUM MELT STEEL
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	29620-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
*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	29620V : MADE FROM VACUUM MELT STEEL
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	29621-B : FLANGE ON OD FRONTFACE, BEARING WIDTH IS T1 DIMENSION
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
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	29622-DV : GROOVE IN OD CENTER HOLES IN OD CENTER
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
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	MADE FROM VACUUM MELT STEEL
					29630	120.650 4.7500	19.050 .7500	3.3 .13	.48 kg 1.05 lb	25.400 1.0000	29622W : SLOTS OD SURFACE
											29625WE : SLOTS IN BACKFACE
LM29700 Series											
*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	LM29748: SPECIAL BACKFACE RADIUS
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: FRONTFACE CHAMFER
*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	

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†Bore or O.D. shown are maximum dimensions. *See Remarks Column.