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| **25500** | 25570 | 51 | 25519 | 51 |
| | 25572 | 53 | 25520 | 53,59 |
| | 25576 | 59 | 25521 | 59 |
| | 25577 | 59 | 25522 | 59 |
| | 25578 | 59 | 25523 | 59 |
| | 25580 | 59,61 | 25524 | 59 |
| | 25581 | 59 | 25526 | 61,63 |
| | 25582 | 59 | 25527 | 63 |
| | 25583 | 59 | | |
| | 25584 | 63 | | |
| | 25590 | 63 | | |
| **25800R** | 25877R | 49 | 25820 | 49 |
| | 25878R | 49 | 25821 | 49,51 |
| | 25880R | 51 | | |
| **26000** | 26093 | 39 | 26274 | 47 |
| | 26100 | 41 | 26283 | 39,41,43,47 |
| | 26112 | 43 | 26283S | 43 |
| | 26118 | 43 | 26300 | 47 |
| | 26118S | 43 | | |
| | 26126 | 47 | | |
| | 26131 | 47 | | |
| | 26132 | 47 | | |
| **26800R** | 26877R | 51 | 26820 | 51,57,59 |
| | 26878R | 53 | 26821 | 57 |
| | 26880R | 55 | 26822 | 51,59 |
| | 26881R | 55 | 26822A | 53 |
| | 26882R | 57 | 26823 | 59 |
| | 26883R | 51 | 26824 | 55 |
| | 26884R | 59 | 26830 | 55 |
| | 26885R | 57 | | |
| | 26886R | 59 | | |
| **27600** | 27680 | 81 | 27620 | 81,83,85,87 |
| | 27684 | 83 | | |
| | 27687 | 85 | | |
| | 27689 | 87 | | |
| | 27690 | 87 | | |
| | 27691 | 87 | | |
| **27800** | 27875 | 49 | 27820 | 49,53 |
| | 27880 | 53 | | |
| | 27881 | 53 | | |
| **28000** | 28118 | 45 | 28300 | 49,55 |
| | 28137 | 49 | 28315 | 49 |
| | 28138 | 49 | 28317 | 45,53,55 |
| | 28150 | 53 | | |
| | 28151 | 53 | | |
| | 28158 | 55 | | |
| | 28159 | 55 | | |

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| **28500R** | 28576R | 63 | 28520 | 67 |
| | 28579R | 65 | 28521 | 63,65,67,69 |
| | 28580R | 67 | 28523 | 67 |
| | 28584R | 69 | | |
| **28600** | 28678 | 67 | 28622 | 67,71 |
| | 28680 | 71 | 28623 | 71 |
| | 28680X | 71 | | |
| | 28682 | 71 | | |
| **28900** | 28980 | 73 | 28920 | 73,75 |
| | 28985 | 75 | 28921 | 75 |
| | 28995 | 75 | 28921A | 75 |
| **29500** | 29580 | 73 | 29520 | 73,75 |
| | 29582 | 73 | 29521 | 75 |
| | 29585 | 75 | 29522 | 73,77 |
| | 29586 | 75 | | |
| | 29588 | 77 | | |
| | 29590 | 77 | | |
| **29600** | 29675 | 79 | 29620 | 79,81,83 |
| | 29676 | 79 | 29630 | 81 |
| | 29680 | 81 | | |
| | 29681 | 81 | | |
| | 29685 | 81 | | |
| | 29688 | 83 | | |
| **LM29700** | LM29748 | 53 | LM29710 | 53 |
| | LM29749 | 53 | LM29711 | 53 |
| **31500** | 31590 | 47 | 31520 | 49 |
| | 31593 | 49 | 31521 | 47,49,51 |
| | 31594 | 49 | | |
| | 31597 | 51 | | |
| **33000** | 33225 | 73 | 33461 | 73 |
| | 33251 | 77 | 33462 | 73,79,81 |
| | 33261 | 79 | 33472 | 77 |
| | 33262 | 79 | | |
| | 33269 | 79 | | |
| | 33275 | 79 | | |
| | 33281 | 81 | | |
| | 33287 | 81 | | |
| **33800** | 33880 | 55 | 33821 | 61 |
| | 33885 | 61 | 33822 | 55,67,69 |
| | 33889 | 67 | | |
| | 33890 | 69 | | |
| | 33891 | 69 | | |
| | 33895 | 69 | | |

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| **34000** | 34274 | 81 | 34478 | 81,83,85 |
| | 34275 | 81 | 34492A | 81 |
| | 34294 | 83 | 34500 | 83 |
| | 34295 | 83 | | |
| | 34300 | 83 | | |
| | 34301 | 83 | | |
| | 34304 | 85 | | |
| | 34306 | 85 | | |
| | 34307 | 85 | | |
| **37000** | 37425 | 93 | 37625 | 93,95 |
| | 37431 | 95 | 37637 | 93 |
| **M38500** | M38547 | 51 | M38511 | 51 |
| **39000** | 39236 | 73 | 39412 | 73 |
| | 39250 | 75 | 39422 | 75 |
| | | | 39433 | 75 |
| **39500** | 39575 | 67 | 39520 | 67,73,77,79 |
| | 39578 | 69 | 39521 | 79 |
| | 39580 | 73 | 39522 | 73 |
| | 39581 | 73 | 39528 | 69 |
| | 39585 | 77 | | |
| | 39586 | 77 | | |
| | 39590 | 79 | | |
| **41000** | 41100 | 41 | 41286 | 41,43 |
| | 41106 | 41 | | |
| | 41125 | 43 | | |
| | 41126 | 43 | | |
| **42000** | 42381 | 91 | 42584 | 91 |
| **42600** | 42683 | 81 | 42620 | 81,83,85 |
| | 42686 | 83 | 42624 | 83 |
| | 42686X | 83 | | |
| | 42687 | 83 | | |
| | 42688 | 83 | | |
| | 42690 | 85 | | |
| **43000** | 43096 | 101 | 43312 | 101 |
| | 43112 | 101 | | |
| | 43117 | 101 | | |
| | 43118 | 101 | | |
| | 43125 | 101 | | |
| | 43131 | 101 | | |
| | 43132 | 101 | | |
| **44000** | 44126 | 101 | 44348 | 101 |
| | 44131 | 101 | | |
| | 44143 | 101 | | |
| | 44150 | 101 | | |
| | 44156 | 101 | | |
| | 44157 | 101 | | |
| | 44158 | 101 | | |

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| **44000** | 44162 | 101 | | |
| **L44600R** | L44640R | 39 | L44610 | 39,41 |
| | L44643R | 39 | | |
| | L44645R | 41 | | |
| | L44649R | 41 | | |
| **45200** | 45280 | 61 | 45220 | 65,67 |
| | 45282 | 65 | 45221 | 61,67,69,71 |
| | 45284 | 67 | | |
| | 45285 | 67 | | |
| | 45287 | 69 | | |
| | 45289 | 71 | | |
| | 45290 | 71 | | |
| | 45291 | 71 | | |
| **L45400** | L45449 | 43 | L45410 | 43 |
| **46000** | 46143 | 53 | 46368 | 53,55,59,61 |
| | 46150 | 55 | 46369 | 53,61 |
| | 46151 | 55 | | |
| | 46162 | 59 | | |
| | 46175 | 61 | | |
| | 46176 | 61 | | |
| **46700R** | 46780R | 97 | 46720 | 97 |
| | 46790AR | 97 | | |
| | 46790R | 97 | | |
| | 46792R | 97 | | |
| **47400R** | 47487R | 79 | 47420 | 79,81 |
| | 47490R | 81 | 47423 | 79 |
| **47600R** | 47675R | 81 | 47620 | 83,85,87 |
| | 47678R | 83 | 47620A | 81,83,85,87 |
| | 47679R | 83 | | |
| | 47680R | 83 | | |
| | 47681R | 85 | | |
| | 47685R | 85 | | |
| | 47686R | 87 | | |
| | 47687R | 87 | | |
| | 47688R | 87 | | |
| **47800R** | 47880R | 85 | 47820 | 85,89,91 |
| | 47885R | 89 | | |
| | 47890R | 91 | | |
| | 47896R | 91 | | |
| **48100** | 48190 | 93 | 48120 | 93 |
| **48200** | 48286 | 95 | 48220 | 95,97 |
| | 48290 | 97 | | |
| **LM48500** | LM48548 | 49 | LM48510 | 49 |
| **48600** | 48684 | 97 | 48620 | 97 |
| | 48685 | 97 | | |

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| **49000** | 49150 | 55 | 49368 | 55,59,61 |
| | 49162 | 59 | | |
| | 49175 | 61 | | |
| | 49176 | 61 | | |
| **49500** | 49576 | 61 | 49520 | 61,65,67 |
| | 49577 | 61 | 49521 | 67 |
| | 49580 | 65 | 49522 | 61 |
| | 49581 | 65 | | |
| | 49585 | 67 | | |
| **52000** | 52375 | 91 | 52618 | 91,93 |
| | 52387 | 91 | 52630X | 91 |
| | 52393 | 93 | 52637 | 91,93 |
| | 52400 | 93 | 52638 | 91 |
| | 52401 | 93 | | |
| **53000** | 53150 | 101 | 53375 | 101 |
| | 53162 | 101 | 53387 | 101 |
| | 53176 | 101 | 53387X | 101 |
| | 53177 | 101 | 53398 | 101 |
| | 53178 | 101 | | |
| **55000** | 55175 | 103 | 55437 | 101,103 |
| | 55187 | 103 | 55443 | 103 |
| | 55196 | 103 | | |
| | 55197 | 103 | | |
| | 55200 | 103 | | |
| | 55206 | 103 | | |
| **55000CR** | 55175CR | 101 | 55437 | 101,103 |
| | 55176CR | 101 | | |
| | 55187CR | 103 | | |
| | 55200CR | 103 | | |
| **56000** | 56418 | 93 | 56650 | 93 |
| | 56425 | 93 | | |
| **56000R** | 56418R | 93 | 56650 | 93 |
| | 56425R | 93 | 56662 | 93 |
| **59000** | 59162 | 59 | 59412 | 59,61,65,67 |
| | 59175 | 61 | 59413 | 61 |
| | 59176 | 61 | 59425 | 61 |
| | 59187 | 65 | | |
| | 59188 | 65 | | |
| | 59200 | 67 | | |
| **64000R** | 64433R | 95 | 64700 | 95 |
| | 64450R | 95 | | |
| **65000** | 65200 | 69 | 65500 | 69,71,73,75 |
| | 65212 | 71 | 65501 | 69 |
| | 65225 | 73 | 65537 | 69 |
| | 65231 | 73 | | |
| | 65235 | 73 | | |
| | 65237 | 75 | | |

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| **65000** | 65237A | 75 | | |
| **65300** | 65383 | 59 | 65320 | 59,61,65 |
| | 65384 | 61 | 65321 | 61 |
| | 65385 | 61 | | |
| | 65390 | 65 | | |
| **66000R** | 66187R | 65 | 66461 | 65,67,73 |
| | 66200R | 67 | 66462 | 65,69 |
| | 66212R | 69 | | |
| | 66225R | 73 | | |
| **66500** | 66583 | 71 | 66520 | 69,71,73,75 |
| | 66584 | 69 | | |
| | 66585 | 75 | | |
| | 66586 | 73 | | |
| | 66587 | 73 | | |
| | 66588 | 75 | | |
| | 66589 | 73 | | |
| **LM67000** | LM67043 | 41 | LM67010 | 41,45 |
| | LM67048 | 45 | | |
| **67300** | 67388 | 97 | 67320 | 97 |
| | | | 67322 | 97 |
| **68000** | 68450 | 95 | 68709 | 95 |
| | 68462 | 95 | 68712 | 95 |
| | 68463 | 95 | | |
| **L68100** | L68149 | 49,51 | L68110 | 49 |
| | | | L68111 | 51 |
| **69000** | 69350X | 89 | 69630 | 89 |
| | 69354 | 89 | | |
| **71000** | 71412 | 93 | 71750 | 93,95 |
| | 71425 | 93 | | |
| | 71432 | 95 | | |
| | 71437 | 95 | | |
| | 71450 | 95 | | |
| | 71453 | 95 | | |
| | 71455 | 95 | | |
| **72000** | 72187 | 103 | 72487 | 103 |
| | 72200 | 103 | 72500 | 103 |
| | 72212 | 103 | | |
| | 72218 | 103 | | |
| | 72225 | 103 | | |
| **72000C** | 72200C | 103 | 72487 | 103 |
| | 72212C | 103 | | |
| | 72225C | 103 | | |
| **LM72800** | LM72849 | 39 | LM72810 | 39 |
| **74000** | 74500 | 97 | 74850 | 97 |

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| **78000** | 78214 | 103 | 78537 | 103 |
| | 78215 | 103 | 78551 | 103 |
| | 78225 | 103 | | |
| | 78238 | 103 | | |
| | 78250 | 103 | | |
| | 78255X | 103 | | |
| **LM78300** | LM78349 | 51 | LM78310 | 51 |
| **80300** | 80385 | 99 | 80325 | 99 |
| **HM81600** | HM81649 | 37 | HM81610 | 37 |
| **M84200** | M84249 | 39 | M84210 | 39 |
| **M86600R** | M86643R | 41 | M86610 | 41,43,45 |
| | M86647R | 41 | | |
| | M86648R | 45 | | |
| | M86649R | 43 | | |
| **M88000** | M88040 | 41,43 | M88010 | 41,43,45,47 |
| | M88043 | 43 | M88011 | 43 |
| | M88046 | 45 | | |
| | M88048 | 47 | | |
| **HM88500** | HM88542 | 47 | HM88510 | 47 |
| | HM88547 | 47 | HM88512 | 47 |
| **HM88600** | HM88630 | 41 | HM88610 | 41,45,47,49, |
| | HM88638 | 47 | | 51 |
| | HM88644 | 45,47 | HM88611 | 45 |
| | HM88648 | 51 | HM88612 | 47 |
| | HM88649 | 49 | | |
| **HM89400** | HM89440 | 47 | HM89410 | 47 |
| | HM89443 | 47 | HM89411 | 47,49,51 |
| | HM89446 | 49 | | |
| | HM89448 | 51 | | |
| | HM89449 | 51 | | |
| **90000** | 90381 | 105 | 90744 | 105 |
| **95000** | 95475 | 95 | 95925 | 95,97 |
| | 95500 | 97 | | |
| **98000** | 98316 | 85 | 98788 | 85,87,89,93 |
| | 98335 | 87 | | |
| | 98350 | 89 | | |
| | 98394X | 93 | | |
| | 98400 | 93 | | |
| **L102800** | L102849 | 59 | L102810 | 59 |
| **LM102900** | LM102949 | 63 | LM102910 | 63 |
| **LM104900** | LM104949 | 65 | LM104911 | 65 |
| **L183400** | L183448 | 99 | L183410 | 99 |
| **HM212000** | HM212044 | 75 | HM212010 | 75,77,79 |
| | HM212046 | 77 | HM212011 | 77 |
| | HM212047 | 77 | | |
| | HM212049 | 79 | | |

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| **L217800** | L217847 | 89 | L217810 | 89 |
| | L217849 | 89 | | |
| **HM218200** | HM218248 | 89 | HM218210 | 89 |
| **HM220100** | HM220149 | 93 | HM220110 | 93 |
| **HH221400** | HH221430 | 85 | HH221410 | 85,89,91,93 |
| | HH221431 | 85 | | |
| | HH221432 | 89 | | |
| | HH221434 | 89 | | |
| | HH221438 | 91 | | |
| | HH221440 | 91 | | |
| | HH221442 | 91 | | |
| | HH221447 | 93 | | |
| | HH221449 | 93 | | |
| **HH224300** | HH224332 | 91 | HH224310 | 91,93,95 |
| | HH224334 | 93 | | |
| | HH224335 | 93 | | |
| | HH224340 | 93 | | |
| | HH224346 | 95 | | |
| | HH224349 | 95 | | |
| **M224700** | M224749 | 95 | M224710 | 95 |
| **LL225700** | LL225749 | 97 | LL225710 | 97 |
| **L225800** | L225849 | 97 | L225810 | 97 |
| | | | L225818 | 97 |
| **HH228300** | HH228340 | 95 | HH228310 | 95,97 |
| | HH228349 | 97 | | |
| **243000** | EE243190 | 99 | 243250 | 99 |
| | EE243196 | 99 | | |
| **244000** | EE244180 | 99 | 244235 | 99 |
| **LM245800** | LM245833 | 97 | LM245810 | 97 |
| | LM245846 | 97 | | |
| | LM245848 | 97 | | |
| **M246900** | M246932 | 97 | M246910 | 97 |
| | M246942 | 97 | | |
| | M246943 | 97 | | |
| | M246949 | 97 | | |
| **M249700** | M249732 | 97 | M249710 | 97,99 |
| | M249734 | 97 | | |
| | M249736 | 97 | | |
| | M249747 | 99 | | |
| | M249749 | 97 | | |
| **M272700** | M272749 | 99 | M272710 | 99 |
| **M276400** | M276449 | 99 | M276410 | 99 |
| **L305600R** | L305649R | 65 | L305610 | 65 |
| **L319200** | L319245 | 91 | L319210 | 91 |
| | L319249 | 91 | | |
| **LL319300** | LL319349 | 91 | LL319310 | 91 |
| **L327200** | L327249 | 97 | L327210 | 97 |

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| **M349500** | M349547 | 97 | M349510 | 97,99 |
| | M349549 | 99 | | |
| **350000** | EE350701 | 105 | 351687 | 105 |
| | EE350750 | 105 | | |
| **380000** | EE380080 | 105 | 380190 | 105 |
| **390000** | EE390095 | 105 | 390200 | 105 |
| **H414200** | H414235 | 77 | H414210 | 77,79,81 |
| | H414242 | 79 | | |
| | H414245 | 79 | | |
| | H414245A | 79 | | |
| | H414249 | 81 | | |
| **HH421200** | HH421246 | 91 | HH421210 | 91 |
| **L435000** | L435049 | 97 | L435010 | 97 |
| **L476500** | L476548 | 99 | L476510 | 99 |
| | L476549 | 99 | | |
| **LM501300** | LM501349 | 57 | LM501310 | 57 |
| | | | LM501311 | 57 |
| | | | LM501314 | 57 |
| **LM503300R** | LM503349R | 63 | LM503310 | 63 |
| **HH506300** | HH506348 | 65 | HH506310 | 65 |
| | HH506349 | 65 | HH506311 | 65 |
| **HM516400** | HM516447 | 85 | HM516410 | 85,87 |
| | HM516448 | 87 | | |
| | HM516449 | 87 | | |
| **HM518400** | HM518445 | 89 | HM518410 | 89 |
| **L521900R** | L521949R | 93 | L521910 | 93 |
| **LM522500** | LM522546 | 93 | LM522510 | 93,95 |
| | LM522548 | 95 | | |
| | LM522549 | 95 | | |
| **L540000** | L540049 | 97 | L540010 | 97 |
| **L555200** | L555249 | 99 | L555210 | 99 |
| **L570600** | L570649 | 99 | L570610 | 99 |
| **LL575300** | LL575349 | 99 | LL575310 | 99 |
| **LM603000** | LM603049 | 63 | LM603011 | 63 |
| | | | LM603012 | 63 |
| | | | LM603014 | 63 |
| | | | LM603015 | 63 |
| **LM613400** | LM613449 | 79 | LM613410 | 79 |
| **HM617000** | HM617045 | 87 | HM617010 | 87 |
| | HM617048 | 87 | | |
| | HM617049 | 87 | | |
| **L623100** | L623149 | 95 | L623110 | 95 |
| | | | L623114 | 95 |
| **HM624700** | HM624749 | 95 | HM624710 | 95 |
| | | | HM624716 | 95 |
| **640000** | EE640192 | 99 | 640260 | 99 |
| **649000** | EE649240 | 99 | 649310 | 99 |

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| **LL713000** | LL713049 | 79 | LL713010 | 79 |
| **H715300** | H715332 | 75 | H715310 | 75 |
| | H715334 | 75 | H715311 | 75,77,79,81 |
| | H715336 | 77 | | |
| | H715340 | 77 | | |
| | H715341 | 79 | | |
| | H715343 | 79 | | |
| | H715344 | 81 | | |
| | H715345 | 81 | | |
| **LM770900** | LM770945 | 99 | LM770910 | 99 |
| **LM772700** | LM772748 | 99 | LM772710 | 99 |
| **776000** | EE776430 | 99 | 776520 | 99 |
| **LL778100** | LL778149 | 99 | LL778110 | 99 |
| **HM801300** | HM801346 | 53 | HM801310 | 53,57 |
| | HM801346X | 53 | | |
| | HM801349 | 57 | | |
| **M802000** | M802048 | 57 | M802011 | 57 |
| **HM803100** | HM803145 | 57 | HM803110 | 57,61 |
| | HM803146 | 57 | | |
| | HM803149 | 61 | | |
| **M804000** | M804049 | 63 | M804010 | 63 |
| **HM804800** | HM804840 | 59 | HM804810 | 59,61,63,65 |
| | HM804842 | 61 | HM804811 | 61 |
| | HM804843 | 61 | | |
| | HM804846 | 63 | | |
| | HM804848 | 65 | | |
| | HM804849 | 65 | | |
| **LM806600** | LM806649 | 69 | LM806610 | 69 |
| **HM807000** | HM807035 | 59 | HM807010 | 59,61,65,67, |
| | HM807040 | 61 | | 69 |
| | HM807044 | 65 | | |
| | HM807046 | 67 | | |
| | HM807049 | 69 | | |
| **HM813800** | HM813836 | 69 | HM813810 | 71,75 |
| | HM813840 | 71 | HM813811 | 69,75,77,79, |
| | HM813841 | 75 | | 81 |
| | HM813841A | 75 | | |
| | HM813842 | 77 | | |
| | HM813843 | 75 | | |
| | HM813844 | 79 | | |
| | HM813846 | 81 | | |
| | HM813849 | 81 | | |
| **LM814800** | LM814845 | 81 | LM814810 | 81,85 |
| | LM814849 | 85 | | |
| **L879900** | L879947 | 99 | L879910 | 99 |

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| **HM903200** | HM903241 | 101 | HM903210 | 101,103 |
| | HM903245 | 101 | | |
| | HM903248 | 103 | | |
| | HM903249 | 101 | | |
| **M903300** | M903345 | 101 | M903310 | 101 |
| **HM907600** | HM907635 | 101 | HM907614 | 101,103 |
| | HM907639 | 103 | | |
| | HM907643 | 103 | | |
| **HM911200R** | HM911242R | 103 | HM911210 | 103 |
| | HM911245R | 103 | | |
| | HM911249R | 103 | | |
| **H913800R** | H913842R | 103 | H913810 | 103,105 |
| | H913849R | 105 | | |
| **HH914400** | HH914449 | 103 | HH914412 | 103 |
| **HH923600** | HH923649 | 105 | HH923610 | 105 |
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| **H924000** | H924045 | 105 | H924010 | 105 |
| **HH926700** | HH926744 | 95 | HH926710 | 95 |
| | HH926749 | 95 | HH926716 | 95 |
| **HM926700** | HM926740 | 105 | HM926710 | 105 |
| | HM926747 | 105 | | |
| | HM926749 | 105 | | |
| **HH932100** | HH932132 | 105 | HH932110 | 105 |
| | HH932145 | 105 | | |
| **H936300** | H936340 | 105 | H936310 | 105 |
| | H936349 | 105 | H936316 | 105 |
| **HH953700** | HH953749 | 105 | HH953710 | 105 |
| **H961600** | H961649 | 105 | H961610 | 105 |
| **LM961500** | LM961548 | 105 | LM961510 | 105 |

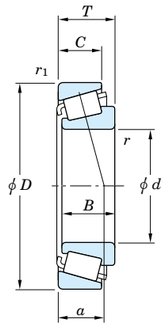
## Series métricas "J"

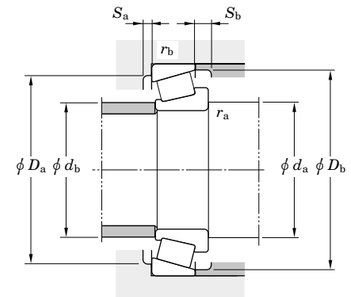
| No. Series | Aro interior (Cono) | Página | Aro Exterior (Copa) | Página |
|---|---|---|---|---|
| **JL69300** | JL69349 | 107 | JL69310 | 107 |
| **JLM104900** | JLM104948 | 107 | JLM104910 | 107 |
| **JM205100** | JM205149 | 107 | JM205110 | 107 |
| **JM207000** | JM207049 | 107 | JM207010 | 107 |
| **JH211700** | JH211749 | 107 | JH211710 | 107 |
| | JH211749A | 107 | | |
| **JH217200** | JH217249 | 107 | JH217210 | 107 |
| **JH307700** | JH307749 | 107 | JH307710 | 107 |
| **JHM318400** | JHM318448 | 107 | JHM318410 | 107 |
| **JH415600** | JH415647 | 107 | JH415610 | 107 |
| **JLM506800** | JLM506849 | 107 | JLM506810 | 107 |
| **JLM508700** | JLM508748 | 107 | JLM508710 | 107 |
| **JM511900** | JM511946 | 107 | JM511910 | 107 |
| **JM515600** | JM515649 | 107 | JM515610 | 107 |
| **JHM516800** | JHM516849 | 107 | JHM516810 | 107 |
| **JHM522600** | JHM522649 | 107 | JHM522610 | 107 |
| **JHM534100** | JHM534149 | 107 | JHM534110 | 107 |
| **JM612900** | JM612949 | 107 | JM612910 | 107 |
| **JLM710900** | JLM710949 | 107 | JLM710910 | 107 |
| **JLM714100** | JLM714149 | 107 | JLM714110 | 107 |
| **JM714200** | JM714249 | 107 | JM714210 | 107 |
| **JM716600** | JM716649 | 107 | JM716610 | 107 |
| **JM718100** | JM718149 | 107 | JM718110 | 107 |
| **JM719100** | JM719149 | 107 | JM719113 | 107 |
| **JHM720200** | JHM720249 | 107 | JHM720210 | 107 |
| **JM720200** | JM720249 | 107 | JM720210 | 107 |
| **JM734400** | JM734449 | 107 | JM734410 | 107 |
| **JM736100** | JM736149 | 107 | JM736110 | 107 |
| **JM738200** | JM738249 | 107 | JM738210 | 107 |
| **JHM807000** | JHM807045 | 107 | JHM807012 | 107 |
| **JLM813000** | JLM813049 | 107 | JLM813010 | 107 |
| **JM822000** | JM822049 | 107 | JM822010 | 107 |
| **JHM840400** | JHM840449 | 107 | JHM840410 | 107 |

## Tipo TS

**$d$ 7.938 ~ 20.638 mm**

**0.3125 ~ 0.8125 pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

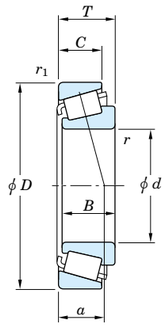
| Dimensiones Principales | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **7.938** | 0.3125 | 31.991 | 1.2595 | 10.008 | 0.3940 | 10.785 | 0.4246 | 7.938 | 0.3125 | 0.5 | 0.02 | 1.2 | 0.05 | 13.4 | 9.30 | 1.25 | **A2031** | **A2126** | 7.1 | 0.28 | 12.5 | 0.49 | 12.5 | 0.49 | 26.0 | 1.02 | 29.0 | 1.14 | 0.40 | 1.48 | 0.82 | 3.10 | 2.15 | 1.45 |
| **9.525** | 0.3750 | 31.991 | 1.2595 | 10.008 | 0.3940 | 10.785 | 0.4246 | 7.938 | 0.3125 | 1.2 | 0.05 | 1.2 | 0.05 | 13.4 | 9.30 | 1.25 | **A2037** | **A2126** | 7.1 | 0.28 | 15.0 | 0.59 | 13.5 | 0.53 | 26.0 | 1.02 | 29.0 | 1.14 | 0.40 | 1.48 | 0.82 | 3.10 | 2.15 | 1.45 |
| **11.112** | 0.4375 | 31.991 | 1.2595 | 10.008 | 0.3940 | 14.351 | 0.5650 | 7.938 | 0.3125 | 0.8 | 0.03 | 1.2 | 0.05 | 13.4 | 9.30 | 1.25 | **A2043** | **A2126** | 7.1 | 0.28 | 15.5 | 0.61 | 14.5 | 0.57 | 26.0 | 1.02 | 29.0 | 1.14 | 0.40 | 1.48 | 0.82 | 3.10 | 2.15 | 1.45 |
| | 0.4375 | 34.988 | 1.3775 | 10.998 | 0.4330 | 10.988 | 0.4326 | 8.730 | 0.3437 | 1.2 | 0.05 | 1.2 | 0.05 | 15.7 | 11.9 | 1.55 | **A4044** | **A4138** | 8.3 | 0.33 | 17.5 | 0.69 | 15.5 | 0.61 | 29.0 | 1.14 | 32.0 | 1.26 | 0.45 | 1.33 | 0.73 | 3.65 | 2.80 | 1.29 |
| **11.986** | 0.4719 | 31.991 | 1.2595 | 10.008 | 0.3940 | 10.785 | 0.4246 | 7.938 | 0.3125 | 0.8 | 0.03 | 1.2 | 0.05 | 13.4 | 9.30 | 1.25 | **A2047** | **A2126** | 7.1 | 0.28 | 16.5 | 0.65 | 15.5 | 0.61 | 26.0 | 1.02 | 29.0 | 1.14 | 0.40 | 1.48 | 0.82 | 3.10 | 2.15 | 1.45 |
| **12.700** | 0.5000 | 34.988 | 1.3775 | 10.998 | 0.4330 | 10.988 | 0.4326 | 8.730 | 0.3437 | 1.2 | 0.05 | 1.2 | 0.05 | 15.7 | 11.9 | 1.55 | **A4050** | **A4138** | 8.3 | 0.33 | 18.5 | 0.73 | 17.0 | 0.67 | 29.0 | 1.14 | 32.0 | 1.26 | 0.45 | 1.33 | 0.73 | 3.65 | 2.80 | 1.29 |
| **14.989** | 0.5901 | 34.988 | 1.3775 | 10.998 | 0.4330 | 10.988 | 0.4326 | 8.730 | 0.3437 | 0.8 | 0.03 | 1.2 | 0.05 | 15.7 | 11.9 | 1.55 | **A4059** | **A4138** | 8.3 | 0.33 | 19.5 | 0.77 | 19.0 | 0.75 | 29.0 | 1.14 | 32.0 | 1.26 | 0.45 | 1.33 | 0.73 | 3.65 | 2.80 | 1.29 |
| **15.875** | 0.6250 | 34.988 | 1.3775 | 10.998 | 0.4330 | 10.998 | 0.4330 | 8.712 | 0.3430 | 1.2 | 0.05 | 1.2 | 0.05 | 18.1 | 14.3 | 1.90 | **L21549** | **L21511** | 7.6 | 0.30 | 21.5 | 0.85 | 19.5 | 0.77 | 29.0 | 1.14 | 32.5 | 1.28 | 0.32 | 1.88 | 1.04 | 4.15 | 2.25 | 1.83 |
| | 0.6250 | 39.992 | 1.5745 | 12.014 | 0.4730 | 11.153 | 0.4391 | 9.525 | 0.3750 | 1.2 | 0.05 | 1.2 | 0.05 | 18.2 | 15.1 | 2.00 | **A6062** | **A6157** | 10.3 | 0.41 | 22.0 | 0.87 | 20.5 | 0.81 | 34.0 | 1.34 | 37.0 | 1.46 | 0.53 | 1.14 | 0.63 | 4.20 | 3.75 | 1.11 |
| | 0.6250 | 41.275 | 1.6250 | 14.288 | 0.5625 | 14.681 | 0.5780 | 11.112 | 0.4375 | 1.2 | 0.05 | 2.0 | 0.08 | 27.3 | 20.5 | 2.85 | **03062** | **03162** | 9.3 | 0.37 | 21.5 | 0.85 | 20.0 | 0.79 | 34.0 | 1.34 | 37.5 | 1.48 | 0.31 | 1.93 | 1.06 | 6.30 | 3.35 | 1.88 |
| | 0.6250 | 42.862 | 1.6875 | 16.670 | 0.6563 | 16.670 | 0.6563 | 13.495 | 0.5313 | 1.6 | 0.06 | 1.6 | 0.06 | 38.2 | 29.5 | 4.15 | **17580R** | **17520** | 10.9 | 0.43 | 23.0 | 0.91 | 21.0 | 0.83 | 36.5 | 1.44 | 39.0 | 1.54 | 0.33 | 1.81 | 1.00 | 8.80 | 4.95 | 1.77 |
| | 0.6250 | 49.225 | 1.9380 | 19.845 | 0.7813 | 21.539 | 0.8480 | 14.288 | 0.5625 | 0.8 | 0.03 | 1.2 | 0.05 | 47.2 | 37.7 | 5.40 | **09062** | **09195** | 10.6 | 0.42 | 22.0 | 0.87 | 21.5 | 0.85 | 42.0 | 1.65 | 44.5 | 1.75 | 0.27 | 2.26 | 1.24 | 10.9 | 4.95 | 2.20 |
| | 0.6250 | 53.975 | 2.1250 | 22.225 | 0.8750 | 21.839 | 0.8598 | 15.875 | 0.6250 | 0.8 | 0.03 | 2.4 | 0.09 | 52.6 | 41.2 | 5.65 | **21063** | **21212** | 16.6 | 0.65 | 29.0 | 1.14 | 26.5 | 1.04 | 43.0 | 1.69 | 50.0 | 1.97 | 0.59 | 1.02 | 0.56 | 12.2 | 12.3 | 0.99 |
| **16.000** | 0.6299 | 47.000 | 1.8504 | 21.000 | 0.8268 | 21.000 | 0.8268 | 16.000 | 0.6299 | 1.0 | 0.04 | 2.0 | 0.08 | 45.4 | 37.7 | 5.05 | **HM81649** | **HM81610** | 15.0 | 0.59 | 27.5 | 1.08 | 23.0 | 0.91 | 37.5 | 1.48 | 43.0 | 1.69 | 0.55 | 1.10 | 0.60 | 10.5 | 9.85 | 1.07 |
| **16.993** | 0.6690 | 41.275 | 1.6250 | 11.905 | 0.4687 | 11.153 | 0.4391 | 8.730 | 0.3437 | 0.8 | 0.03 | 1.2 | 0.05 | 18.2 | 15.1 | 2.00 | **A6067** | **A6162** | 10.2 | 0.40 | 22.0 | 0.87 | 21.0 | 0.83 | 34.5 | 1.36 | 37.0 | 1.46 | 0.53 | 1.14 | 0.63 | 4.20 | 3.75 | 1.11 |
| **17.000** | 0.6693 | 49.225 | 1.9380 | 23.020 | 0.9063 | 21.539 | 0.8480 | 17.462 | 0.6875 | 2.0 | 0.08 | 1.6 | 0.06 | 47.2 | 37.7 | 5.40 | **09099X** | **09196** | 13.8 | 0.54 | 27.0 | 1.06 | 24.0 | 0.94 | 41.5 | 1.63 | 44.5 | 1.75 | 0.27 | 2.26 | 1.24 | 10.9 | 4.95 | 2.20 |
| **17.462** | 0.6875 | 39.878 | 1.5700 | 13.843 | 0.5450 | 14.605 | 0.5750 | 10.668 | 0.4200 | 1.2 | 0.05 | 1.2 | 0.05 | 31.8 | 26.0 | 3.60 | **LM11749R** | **LM11710** | 8.6 | 0.34 | 23.0 | 0.91 | 21.5 | 0.85 | 34.0 | 1.34 | 37.0 | 1.46 | 0.29 | 2.10 | 1.15 | 7.30 | 3.55 | 2.04 |
| **17.653** | 0.6950 | 49.225 | 1.9380 | 23.020 | 0.9063 | 21.539 | 0.8480 | 17.462 | 0.6875 | 2.4 | 0.09 | 1.6 | 0.06 | 47.2 | 37.7 | 5.40 | **09070** | **09196** | 13.8 | 0.54 | 26.0 | 1.02 | 24.0 | 0.94 | 41.5 | 1.63 | 44.5 | 1.75 | 0.27 | 2.26 | 1.24 | 10.9 | 4.95 | 2.20 |
| **18.000** | 0.7087 | 49.225 | 1.9380 | 23.020 | 0.9063 | 21.539 | 0.8480 | 17.462 | 0.6875 | 1.0 | 0.04 | 1.6 | 0.06 | 47.2 | 37.7 | 5.40 | **09073X** | **09196** | 13.8 | 0.54 | 23.0 | 0.91 | 24.0 | 0.94 | 41.5 | 1.63 | 44.5 | 1.75 | 0.27 | 2.26 | 1.24 | 10.9 | 4.95 | 2.20 |
| **19.004** | 0.7482 | 56.896 | 2.2400 | 19.368 | 0.7625 | 19.837 | 0.7810 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.2 | 0.05 | 50.0 | 43.1 | 6.20 | **1774** | **1729** | 12.5 | 0.49 | 27.0 | 1.06 | 25.0 | 0.98 | 49.0 | 1.93 | 51.0 | 2.01 | 0.31 | 1.95 | 1.07 | 11.6 | 6.10 | 1.90 |
| | 0.7482 | 56.896 | 2.2400 | 19.368 | 0.7625 | 19.837 | 0.7810 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.6 | 0.06 | 50.0 | 43.1 | 6.20 | **1774** | **1729X** | 12.5 | 0.49 | 27.0 | 1.06 | 25.0 | 0.98 | 49.0 | 1.93 | 52.0 | 2.05 | 0.31 | 1.95 | 1.07 | 11.6 | 6.10 | 1.90 |
| **19.050** | 0.7500 | 39.992 | 1.5745 | 12.014 | 0.4730 | 11.153 | 0.4391 | 9.525 | 0.3750 | 1.0 | 0.04 | 1.2 | 0.05 | 18.2 | 15.1 | 2.00 | **A6075** | **A6157** | 10.3 | 0.41 | 24.0 | 0.94 | 23.0 | 0.91 | 34.0 | 1.34 | 37.0 | 1.46 | 0.53 | 1.14 | 0.63 | 4.20 | 3.75 | 1.11 |
| | 0.7500 | 45.237 | 1.7810 | 15.494 | 0.6100 | 16.637 | 0.6550 | 12.065 | 0.4750 | 1.2 | 0.05 | 1.2 | 0.05 | 36.8 | 30.1 | 4.25 | **LM11949** | **LM11910** | 10.0 | 0.39 | 25.0 | 0.98 | 23.5 | 0.93 | 39.5 | 1.56 | 41.5 | 1.63 | 0.30 | 2.00 | 1.10 | 8.45 | 4.35 | 1.95 |
| | 0.7500 | 49.225 | 1.9380 | 19.845 | 0.7813 | 21.539 | 0.8480 | 14.288 | 0.5625 | 1.2 | 0.05 | 1.2 | 0.05 | 47.2 | 37.7 | 5.40 | **09078** | **09195** | 10.6 | 0.42 | 25.5 | 1.00 | 24.0 | 0.94 | 42.0 | 1.65 | 44.5 | 1.75 | 0.27 | 2.26 | 1.24 | 10.9 | 4.95 | 2.20 |
| | 0.7500 | 49.225 | 1.9380 | 21.209 | 0.8350 | 19.050 | 0.7500 | 17.462 | 0.6875 | 1.2 | 0.05 | 1.6 | 0.06 | 47.2 | 37.7 | 5.40 | **09067** | **09196** | 13.8 | 0.54 | 25.5 | 1.00 | 24.0 | 0.94 | 41.5 | 1.63 | 44.5 | 1.75 | 0.27 | 2.26 | 1.24 | 10.9 | 4.95 | 2.20 |
| | 0.7500 | 49.225 | 1.9380 | 23.020 | 0.9063 | 21.539 | 0.8480 | 17.462 | 0.6875 | SP[1)] | SP[1)] | 3.6 | 0.14 | 47.2 | 37.7 | 5.40 | **09074** | **09194** | 13.8 | 0.54 | 26.0 | 1.02 | 24.0 | 0.94 | 39.0 | 1.54 | 44.5 | 1.75 | 0.27 | 2.26 | 1.24 | 10.9 | 4.95 | 2.20 |
| | 0.7500 | 49.225 | 1.9380 | 23.020 | 0.9063 | 21.539 | 0.8480 | 17.462 | 0.6875 | 1.6 | 0.06 | 1.6 | 0.06 | 47.2 | 37.7 | 5.40 | **09078X** | **09196** | 13.8 | 0.54 | 25.5 | 1.00 | 24.0 | 0.94 | 41.5 | 1.63 | 44.5 | 1.75 | 0.27 | 2.26 | 1.24 | 10.9 | 4.95 | 2.20 |
| | 0.7500 | 53.975 | 2.1250 | 19.368 | 0.7625 | 19.837 | 0.7810 | 15.875 | 0.6250 | 1.6 | 0.06 | 0.8 | 0.03 | 50.0 | 43.1 | 6.20 | **1775** | **1730** | 12.5 | 0.49 | 27.0 | 1.06 | 25.0 | 0.98 | 48.5 | 1.91 | 50.0 | 1.97 | 0.31 | 1.95 | 1.07 | 11.6 | 6.10 | 1.90 |
| | 0.7500 | 53.975 | 2.1250 | 22.225 | 0.8750 | 21.839 | 0.8598 | 15.875 | 0.6250 | 1.6 | 0.06 | 0.4 | 0.02 | 52.6 | 41.2 | 5.65 | **21075** | **21213** | 16.6 | 0.65 | 31.5 | 1.24 | 26.5 | 1.04 | 43.0 | 1.69 | 50.0 | 1.97 | 0.59 | 1.02 | 0.56 | 12.2 | 12.3 | 0.99 |
| | 0.7500 | 66.421 | 2.6150 | 23.812 | 0.9375 | 25.433 | 1.0013 | 19.050 | 0.7500 | 3.6 | 0.14 | 1.2 | 0.05 | 83.8 | 75.2 | 11.2 | **2693X** | **2631** | 13.9 | 0.55 | 30.0 | 1.18 | 25.0 | 0.98 | 58.0 | 2.28 | 60.0 | 2.36 | 0.25 | 2.36 | 1.30 | 19.5 | 8.45 | 2.30 |
| **20.000** | 0.7874 | 50.005 | 1.9687 | 13.495 | 0.5313 | 14.260 | 0.5614 | 9.525 | 0.3750 | 1.6 | 0.06 | 1.0 | 0.04 | 33.3 | 28.8 | 4.05 | **07079** | **07196** | 10.8 | 0.43 | 27.5 | 1.08 | 26.0 | 1.02 | 44.5 | 1.75 | 47.0 | 1.85 | 0.40 | 1.49 | 0.82 | 7.65 | 5.25 | 1.46 |
| | 0.7874 | 53.975 | 2.1250 | 22.225 | 0.8750 | 21.839 | 0.8598 | 15.875 | 0.6250 | 2.0 | 0.08 | 2.4 | 0.09 | 52.6 | 41.2 | 5.65 | **21078** | **21212** | 16.6 | 0.65 | 31.5 | 1.24 | 26.5 | 1.04 | 43.0 | 1.69 | 50.0 | 1.97 | 0.59 | 1.02 | 0.56 | 12.2 | 12.3 | 0.99 |
| **20.638** | 0.8125 | 49.225 | 1.9380 | 19.845 | 0.7813 | 19.845 | 0.7813 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.6 | 0.06 | 45.5 | 37.7 | 5.35 | **12580** | **12520** | 12.7 | 0.50 | 28.5 | 1.12 | 26.0 | 1.02 | 42.5 | 1.67 | 45.5 | 1.79 | 0.32 | 1.86 | 1.02 | 10.5 | 5.80 | 1.81 |

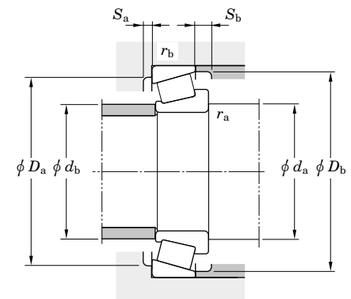
Nota 1) SP indica radio especial.

## Tipo TS

**$d$ 21.430 ~ (25.400) mm**

**0.8437 ~ (1.0000) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

| Dimensiones Principales | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **21.430** | 0.8437 | 50.005 | 1.9687 | 17.526 | 0.6900 | 18.288 | 0.7200 | 13.970 | 0.5500 | 1.2 | 0.05 | 1.2 | 0.05 | 48.8 | 40.7 | 5.80 | **M12649** | **M12610** | 11.1 | 0.44 | 27.5 | 1.08 | 25.5 | 1.00 | 44.0 | 1.73 | 46.0 | 1.81 | 0.28 | 2.16 | 1.19 | 11.2 | 5.35 | 2.10 |
| **21.987** | 0.8656 | 45.974 | 1.8100 | 15.494 | 0.6100 | 16.637 | 0.6550 | 12.065 | 0.4750 | 1.2 | 0.05 | 1.2 | 0.05 | 37.5 | 34.6 | 4.85 | **LM12749** | **LM12711** | 10.0 | 0.39 | 27.5 | 1.08 | 26.0 | 1.02 | 40.0 | 1.57 | 42.5 | 1.67 | 0.31 | 1.96 | 1.08 | 8.65 | 4.50 | 1.91 |
| **22.225** | 0.8750 | 50.005 | 1.9687 | 17.526 | 0.6900 | 18.288 | 0.7200 | 13.970 | 0.5500 | 1.2 | 0.05 | 1.2 | 0.05 | 48.8 | 40.7 | 5.80 | **M12648** | **M12610** | 11.1 | 0.44 | 28.5 | 1.12 | 26.5 | 1.04 | 44.0 | 1.73 | 46.0 | 1.81 | 0.28 | 2.16 | 1.19 | 11.2 | 5.35 | 2.10 |
| | 0.8750 | 50.005 | 1.9687 | 17.526 | 0.6900 | 18.288 | 0.7200 | 13.970 | 0.5500 | 1.2 | 0.05 | 1.2 | 0.05 | 48.8 | 40.7 | 5.80 | **M12648A** | **M12610** | 11.1 | 0.44 | 28.5 | 1.12 | 26.5 | 1.04 | 44.0 | 1.73 | 46.0 | 1.81 | 0.28 | 2.16 | 1.19 | 11.2 | 5.35 | 2.10 |
| | 0.8750 | 50.800 | 2.0000 | 15.011 | 0.5910 | 14.260 | 0.5614 | 12.700 | 0.5000 | 1.2 | 0.05 | 1.6 | 0.06 | 33.3 | 28.8 | 4.05 | **07087** | **07210X** | 12.3 | 0.48 | 28.5 | 1.12 | 27.0 | 1.06 | 44.5 | 1.75 | 47.5 | 1.87 | 0.40 | 1.49 | 0.82 | 7.65 | 5.25 | 1.46 |
| | 0.8750 | 52.388 | 2.0625 | 19.368 | 0.7625 | 20.168 | 0.7940 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.6 | 0.06 | 45.9 | 37.9 | 5.45 | **1380** | **1328** | 11.6 | 0.46 | 29.5 | 1.16 | 29.5 | 1.16 | 45.0 | 1.77 | 48.5 | 1.91 | 0.29 | 2.05 | 1.13 | 10.7 | 5.35 | 2.00 |
| | 0.8750 | 53.975 | 2.1250 | 19.368 | 0.7625 | 20.168 | 0.7940 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.6 | 0.06 | 45.9 | 37.9 | 5.45 | **1380** | **1329** | 11.6 | 0.46 | 29.5 | 1.16 | 29.5 | 1.16 | 46.0 | 1.81 | 49.0 | 1.93 | 0.29 | 2.05 | 1.13 | 10.7 | 5.35 | 2.00 |
| | 0.8750 | 56.896 | 2.2400 | 19.368 | 0.7625 | 19.837 | 0.7810 | 15.875 | 0.6250 | 1.2 | 0.05 | 1.2 | 0.05 | 50.0 | 43.1 | 6.20 | **1755** | **1729** | 12.5 | 0.49 | 29.0 | 1.14 | 27.5 | 1.08 | 49.0 | 1.93 | 51.0 | 2.01 | 0.31 | 1.95 | 1.07 | 11.6 | 6.10 | 1.90 |
| | 0.8750 | 57.150 | 2.2500 | 17.462 | 0.6875 | 17.462 | 0.6875 | 13.495 | 0.5313 | 1.6 | 0.06 | 1.6 | 0.06 | 47.2 | 42.7 | 6.10 | **15572** | **15520** | 12.7 | 0.50 | 32.5 | 1.28 | 30.5 | 1.20 | 51.0 | 2.01 | 53.0 | 2.09 | 0.35 | 1.73 | 0.95 | 10.8 | 6.40 | 1.69 |
| | 0.8750 | 57.150 | 2.2500 | 19.845 | 0.7813 | 19.355 | 0.7620 | 15.875 | 0.6250 | 0.8 | 0.03 | 1.6 | 0.06 | 60.8 | 57.1 | 8.25 | **1975R** | **1922** | 13.9 | 0.55 | 29.0 | 1.14 | 28.0 | 1.10 | 51.0 | 2.01 | 53.5 | 2.11 | 0.33 | 1.82 | 1.00 | 14.0 | 7.90 | 1.77 |
| | 0.8750 | 57.150 | 2.2500 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 0.8 | 0.03 | 1.6 | 0.06 | 65.8 | 55.7 | 8.05 | **1280** | **1220** | 15.3 | 0.60 | 29.5 | 1.16 | 29.0 | 1.14 | 49.0 | 1.93 | 52.0 | 2.05 | 0.35 | 1.73 | 0.95 | 15.2 | 9.00 | 1.69 |
| | 0.8750 | 66.421 | 2.6150 | 23.812 | 0.9375 | 25.433 | 1.0013 | 19.050 | 0.7500 | 1.6 | 0.06 | 1.2 | 0.05 | 83.8 | 75.2 | 11.2 | **2684** | **2631** | 13.9 | 0.55 | 31.5 | 1.24 | 29.0 | 1.14 | 58.0 | 2.28 | 60.0 | 2.36 | 0.25 | 2.36 | 1.30 | 19.5 | 8.45 | 2.30 |
| | 0.8750 | 80.000 | 3.1496 | 20.996 | 0.8266 | 22.403 | 0.8820 | 17.826 | 0.7018 | 0.8 | 0.03 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **341** | **332** | 15.1 | 0.59 | 33.5 | 1.32 | 32.0 | 1.26 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| **22.606** | 0.8900 | 47.000 | 1.8504 | 15.500 | 0.6102 | 15.500 | 0.6102 | 12.000 | 0.4724 | 1.6 | 0.06 | 1.0 | 0.04 | 35.0 | 32.8 | 4.45 | **LM72849** | **LM72810** | 12.3 | 0.48 | 30.0 | 1.18 | 28.0 | 1.10 | 40.5 | 1.59 | 44.0 | 1.73 | 0.47 | 1.27 | 0.70 | 8.05 | 6.50 | 1.24 |
| **23.812** | 0.9375 | 50.292 | 1.9800 | 14.224 | 0.5600 | 14.732 | 0.5800 | 10.668 | 0.4200 | 1.6 | 0.06 | 1.2 | 0.05 | 39.1 | 37.0 | 5.15 | **L44640R** | **L44610** | 10.8 | 0.43 | 30.5 | 1.20 | 28.5 | 1.12 | 44.5 | 1.75 | 47.0 | 1.85 | 0.37 | 1.60 | 0.88 | 8.95 | 5.70 | 1.56 |
| | 0.9375 | 52.000 | 2.0472 | 15.011 | 0.5910 | 14.260 | 0.5614 | 12.700 | 0.5000 | 1.6 | 0.06 | 2.0 | 0.08 | 33.3 | 28.8 | 4.05 | **07093** | **07205** | 12.3 | 0.48 | 30.5 | 1.20 | 28.5 | 1.12 | 44.5 | 1.75 | 48.0 | 1.89 | 0.40 | 1.49 | 0.82 | 7.65 | 5.25 | 1.46 |
| | 0.9375 | 56.896 | 2.2400 | 19.368 | 0.7625 | 19.837 | 0.7810 | 15.875 | 0.6250 | 0.8 | 0.03 | 1.2 | 0.05 | 50.0 | 43.1 | 6.20 | **1779** | **1729** | 12.5 | 0.49 | 29.5 | 1.16 | 28.5 | 1.12 | 49.0 | 1.93 | 51.0 | 2.01 | 0.31 | 1.95 | 1.07 | 11.6 | 6.10 | 1.90 |
| | 0.9375 | 56.896 | 2.2400 | 19.368 | 0.7625 | 19.837 | 0.7810 | 15.875 | 0.6250 | 0.8 | 0.03 | 1.6 | 0.06 | 50.0 | 43.1 | 6.20 | **1779** | **1729X** | 12.5 | 0.49 | 29.5 | 1.16 | 28.5 | 1.12 | 49.0 | 1.93 | 52.0 | 2.05 | 0.31 | 1.95 | 1.07 | 11.6 | 6.10 | 1.90 |
| | 0.9375 | 66.421 | 2.6150 | 23.812 | 0.9375 | 25.433 | 1.0013 | 19.050 | 0.7500 | 0.8 | 0.03 | 1.2 | 0.05 | 83.8 | 75.2 | 11.2 | **2685** | **2631** | 13.9 | 0.55 | 30.5 | 1.20 | 30.0 | 1.18 | 58.0 | 2.28 | 60.0 | 2.36 | 0.25 | 2.36 | 1.30 | 19.5 | 8.45 | 2.30 |
| | 0.9375 | 71.996 | 2.8345 | 19.000 | 0.7480 | 18.923 | 0.7450 | 15.875 | 0.6250 | 2.4 | 0.09 | 1.6 | 0.06 | 69.8 | 60.0 | 8.85 | **26093** | **26283** | 14.3 | 0.56 | 35.0 | 1.38 | 32.0 | 1.26 | 62.0 | 2.44 | 65.0 | 2.56 | 0.36 | 1.67 | 0.92 | 16.1 | 9.90 | 1.62 |
| **24.981** | 0.9835 | 50.005 | 1.9687 | 13.495 | 0.5313 | 14.260 | 0.5614 | 9.525 | 0.3750 | 1.6 | 0.06 | 1.0 | 0.04 | 33.3 | 28.8 | 4.05 | **07098** | **07196** | 10.8 | 0.43 | 31.0 | 1.22 | 29.0 | 1.14 | 44.5 | 1.75 | 47.0 | 1.85 | 0.40 | 1.49 | 0.82 | 7.65 | 5.25 | 1.46 |
| | 0.9835 | 62.000 | 2.4409 | 16.002 | 0.6300 | 16.566 | 0.6522 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.6 | 0.06 | 47.4 | 40.6 | 5.80 | **17098** | **17244** | 12.7 | 0.50 | 33.0 | 1.30 | 30.5 | 1.20 | 54.0 | 2.13 | 57.0 | 2.24 | 0.38 | 1.57 | 0.86 | 10.9 | 7.15 | 1.53 |
| **25.000** | 0.9842 | 50.005 | 1.9687 | 13.495 | 0.5313 | 14.260 | 0.5614 | 9.525 | 0.3750 | 1.6 | 0.06 | 1.0 | 0.04 | 33.3 | 28.8 | 4.05 | **07097** | **07196** | 10.8 | 0.43 | 31.0 | 1.22 | 29.0 | 1.14 | 44.5 | 1.75 | 47.0 | 1.85 | 0.40 | 1.49 | 0.82 | 7.65 | 5.25 | 1.46 |
| | 0.9842 | 62.000 | 2.4409 | 16.002 | 0.6300 | 16.566 | 0.6522 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.6 | 0.06 | 47.4 | 40.6 | 5.80 | **17098X** | **17244** | 12.7 | 0.50 | 33.0 | 1.30 | 30.5 | 1.20 | 54.0 | 2.13 | 57.0 | 2.24 | 0.38 | 1.57 | 0.86 | 10.9 | 7.15 | 1.53 |
| | 0.9842 | 66.421 | 2.6150 | 23.812 | 0.9375 | 25.433 | 1.0013 | 19.050 | 0.7500 | 2.0 | 0.08 | 1.2 | 0.05 | 83.8 | 75.2 | 11.2 | **2694X** | **2631** | 13.9 | 0.55 | 33.0 | 1.30 | 31.0 | 1.22 | 58.0 | 2.28 | 60.0 | 2.36 | 0.25 | 2.36 | 1.30 | 19.5 | 8.45 | 2.30 |
| | 0.9842 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 98.6 | 89.3 | 13.3 | **3188X** | **3120** | 20.3 | 0.80 | 40.0 | 1.57 | 35.0 | 1.38 | 61.0 | 2.40 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| **25.400** | 1.0000 | 50.005 | 1.9687 | 13.495 | 0.5313 | 14.260 | 0.5614 | 9.525 | 0.3750 | 1.0 | 0.04 | 1.0 | 0.04 | 33.3 | 28.8 | 4.05 | **07100** | **07196** | 10.8 | 0.43 | 30.5 | 1.20 | 29.5 | 1.16 | 44.5 | 1.75 | 47.0 | 1.85 | 0.40 | 1.49 | 0.82 | 7.65 | 5.25 | 1.46 |
| | 1.0000 | 50.005 | 1.9687 | 13.495 | 0.5313 | 14.260 | 0.5614 | 9.525 | 0.3750 | 1.6 | 0.06 | 1.0 | 0.04 | 33.3 | 28.8 | 4.05 | **07100S** | **07196** | 10.8 | 0.43 | 31.5 | 1.24 | 29.5 | 1.16 | 44.5 | 1.75 | 47.0 | 1.85 | 0.40 | 1.49 | 0.82 | 7.65 | 5.25 | 1.46 |
| | 1.0000 | 50.005 | 1.9687 | 13.495 | 0.5313 | 14.260 | 0.5614 | 9.525 | 0.3750 | 3.2 | 0.13 | 1.0 | 0.04 | 33.3 | 28.8 | 4.05 | **07100SA** | **07196** | 10.8 | 0.43 | 35.0 | 1.38 | 29.5 | 1.16 | 44.5 | 1.75 | 47.0 | 1.85 | 0.40 | 1.49 | 0.82 | 7.65 | 5.25 | 1.46 |
| | 1.0000 | 50.292 | 1.9800 | 14.224 | 0.5600 | 14.732 | 0.5800 | 10.668 | 0.4200 | 1.2 | 0.05 | 1.2 | 0.05 | 39.1 | 37.0 | 5.15 | **L44643R** | **L44610** | 10.8 | 0.43 | 31.5 | 1.24 | 29.5 | 1.16 | 44.5 | 1.75 | 47.0 | 1.85 | 0.37 | 1.60 | 0.88 | 8.95 | 5.70 | 1.56 |
| | 1.0000 | 51.994 | 2.0470 | 15.011 | 0.5910 | 14.260 | 0.5614 | 12.700 | 0.5000 | 1.0 | 0.04 | 1.2 | 0.05 | 33.3 | 28.8 | 4.05 | **07100** | **07204** | 12.3 | 0.48 | 30.5 | 1.20 | 29.5 | 1.16 | 45.0 | 1.77 | 48.0 | 1.89 | 0.40 | 1.49 | 0.82 | 7.65 | 5.25 | 1.46 |
| | 1.0000 | 53.975 | 2.1250 | 19.368 | 0.7625 | 19.837 | 0.7810 | 15.875 | 0.6250 | 0.8 | 0.03 | 0.8 | 0.03 | 50.0 | 43.1 | 6.20 | **1780** | **1730** | 12.5 | 0.49 | 30.5 | 1.20 | 30.0 | 1.18 | 48.5 | 1.91 | 50.0 | 1.97 | 0.31 | 1.95 | 1.07 | 11.6 | 6.10 | 1.90 |
| | 1.0000 | 57.150 | 2.2500 | 17.462 | 0.6875 | 17.462 | 0.6875 | 13.495 | 0.5313 | 1.2 | 0.05 | 1.6 | 0.06 | 47.2 | 42.7 | 6.10 | **15578** | **15520** | 12.7 | 0.50 | 32.5 | 1.28 | 30.5 | 1.20 | 51.0 | 2.01 | 53.0 | 2.09 | 0.35 | 1.73 | 0.95 | 10.8 | 6.40 | 1.69 |
| | 1.0000 | 58.738 | 2.3125 | 19.050 | 0.7500 | 19.355 | 0.7620 | 15.080 | 0.5937 | 1.2 | 0.05 | 1.2 | 0.05 | 60.8 | 57.1 | 8.25 | **1986R** | **1932** | 13.1 | 0.52 | 32.5 | 1.28 | 30.5 | 1.20 | 52.0 | 2.05 | 54.0 | 2.13 | 0.33 | 1.82 | 1.00 | 14.0 | 7.90 | 1.77 |
| | 1.0000 | 59.530 | 2.3437 | 23.368 | 0.9200 | 23.114 | 0.9100 | 18.288 | 0.7200 | 0.8 | 0.03 | 1.6 | 0.06 | 63.0 | 57.1 | 7.95 | **M84249** | **M84210** | 18.2 | 0.72 | 36.0 | 1.42 | 32.5 | 1.28 | 49.5 | 1.95 | 56.0 | 2.20 | 0.55 | 1.10 | 0.60 | 14.6 | 13.6 | 1.07 |
| | 1.0000 | 60.325 | 2.3750 | 19.845 | 0.7813 | 19.355 | 0.7620 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.2 | 0.05 | 60.8 | 57.1 | 8.25 | **1994XR** | **1931** | 13.9 | 0.55 | 37.0 | 1.46 | 30.5 | 1.20 | 52.0 | 2.05 | 55.0 | 2.17 | 0.33 | 1.82 | 1.00 | 14.0 | 7.90 | 1.77 |
| | 1.0000 | 61.912 | 2.4375 | 19.050 | 0.7500 | 20.638 | 0.8125 | 14.288 | 0.5625 | 0.8 | 0.03 | 2.0 | 0.08 | 55.7 | 50.7 | 7.30 | **15101** | **15243** | 13.2 | 0.52 | 32.5 | 1.28 | 31.5 | 1.24 | 55.0 | 2.17 | 58.0 | 2.28 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| | 1.0000 | 62.000 | 2.4409 | 19.050 | 0.7500 | 20.638 | 0.8125 | 14.288 | 0.5625 | 3.6 | 0.14 | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15100** | **15245** | 13.2 | 0.52 | 38.0 | 1.50 | 31.5 | 1.24 | 55.0 | 2.17 | 58.0 | 2.28 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |

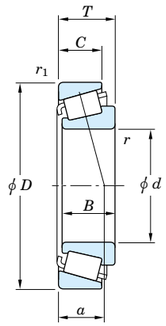
Nota 1) SP indica radio especial.

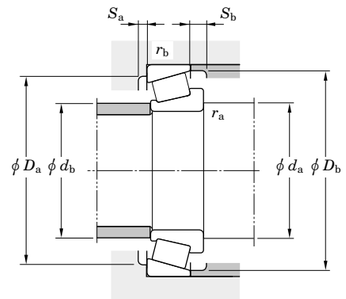
Koyo

## Tipo TS

**$d$ (25.400) ~ (28.575) mm**

**(1.0000) ~ (1.1250) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

| Dimensiones Principales | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **25.400** | 1.0000 | 63.500 | 2.5000 | 19.050 | 0.7500 | 20.638 | 0.8125 | 14.288 | 0.5625 | 0.8 | 0.03 | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15101** | **15250R** | 13.2 | 0.52 | 32.5 | 1.28 | 31.5 | 1.24 | 55.0 | 2.17 | 59.0 | 2.32 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| | 1.0000 | 63.500 | 2.5000 | 20.638 | 0.8125 | 20.638 | 0.8125 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15100** | **15250** | 15.0 | 0.59 | 38.0 | 1.50 | 31.5 | 1.24 | 55.0 | 2.17 | 59.0 | 2.32 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| | 1.0000 | 63.500 | 2.5000 | 20.638 | 0.8125 | 20.638 | 0.8125 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.6 | 0.06 | 55.7 | 50.7 | 7.30 | **15100** | **15250X** | 15.0 | 0.59 | 38.0 | 1.50 | 31.5 | 1.24 | 55.0 | 2.17 | 59.0 | 2.32 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| | 1.0000 | 63.500 | 2.5000 | 20.638 | 0.8125 | 20.638 | 0.8125 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.6 | 0.06 | 55.7 | 50.7 | 7.30 | **15102** | **15250X** | 15.0 | 0.59 | 34.0 | 1.34 | 31.5 | 1.24 | 55.0 | 2.17 | 59.0 | 2.32 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| | 1.0000 | 64.292 | 2.5312 | 21.432 | 0.8438 | 21.432 | 0.8438 | 16.670 | 0.6563 | 1.6 | 0.06 | 1.6 | 0.06 | 69.1 | 70.7 | 9.90 | **M86643R** | **M86610** | 18.0 | 0.71 | 38.0 | 1.50 | 36.5 | 1.44 | 54.0 | 2.13 | 61.0 | 2.40 | 0.55 | 1.10 | 0.60 | 16.0 | 14.9 | 1.07 |
| | 1.0000 | 66.421 | 2.6150 | 23.812 | 0.9375 | 25.433 | 1.0013 | 19.050 | 0.7500 | 1.2 | 0.05 | 1.2 | 0.05 | 83.8 | 75.2 | 11.2 | **2687** | **2631** | 13.9 | 0.55 | 33.5 | 1.32 | 31.5 | 1.24 | 58.0 | 2.28 | 60.0 | 2.36 | 0.25 | 2.36 | 1.30 | 19.5 | 8.45 | 2.30 |
| | 1.0000 | 68.262 | 2.6875 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 0.8 | 0.03 | 1.6 | 0.06 | 63.7 | 61.1 | 8.80 | **02473** | **02420** | 17.1 | 0.67 | 34.5 | 1.36 | 33.5 | 1.32 | 59.0 | 2.32 | 63.0 | 2.48 | 0.42 | 1.44 | 0.79 | 14.8 | 10.5 | 1.41 |
| | 1.0000 | 68.262 | 2.6875 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 0.8 | 0.03 | 0.8 | 0.03 | 63.7 | 61.1 | 8.80 | **02473** | **02421** | 17.1 | 0.67 | 34.5 | 1.36 | 33.5 | 1.32 | 59.0 | 2.32 | 63.0 | 2.48 | 0.42 | 1.44 | 0.79 | 14.8 | 10.5 | 1.41 |
| | 1.0000 | 72.000 | 2.8346 | 19.000 | 0.7480 | 18.923 | 0.7450 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.6 | 0.06 | 69.8 | 60.0 | 8.85 | **26100** | **26283** | 14.3 | 0.56 | 34.5 | 1.36 | 32.5 | 1.28 | 62.0 | 2.44 | 65.0 | 2.56 | 0.36 | 1.67 | 0.92 | 16.1 | 9.90 | 1.62 |
| | 1.0000 | 72.233 | 2.8438 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.842 | 0.7812 | 0.8 | 0.03 | 2.4 | 0.09 | 83.8 | 87.4 | 12.4 | **HM88630** | **HM88610** | 20.7 | 0.81 | 39.5 | 1.56 | 39.5 | 1.56 | 60.0 | 2.36 | 69.0 | 2.72 | 0.55 | 1.10 | 0.60 | 19.6 | 18.3 | 1.07 |
| | 1.0000 | 72.626 | 2.8593 | 24.608 | 0.9688 | 24.257 | 0.9550 | 17.462 | 0.6875 | 2.4 | 0.09 | 1.6 | 0.06 | 77.3 | 60.5 | 8.75 | **41100** | **41286** | 20.7 | 0.81 | 41.0 | 1.61 | 36.5 | 1.44 | 61.0 | 2.40 | 68.0 | 2.68 | 0.60 | 1.00 | 0.55 | 17.9 | 18.4 | 0.97 |
| | 1.0000 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 0.8 | 0.03 | 0.8 | 0.03 | 98.6 | 89.3 | 13.3 | **3189** | **3130** | 20.3 | 0.80 | 35.5 | 1.40 | 35.0 | 1.38 | 63.0 | 2.48 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.0000 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 2.0 | 0.08 | 3.2 | 0.13 | 98.6 | 89.3 | 13.3 | **3189X** | **3120** | 20.3 | 0.80 | 37.5 | 1.48 | 35.0 | 1.38 | 61.0 | 2.40 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.0000 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 0.8 | 0.03 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **338** | **332** | 15.1 | 0.59 | 36.5 | 1.44 | 35.0 | 1.38 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.0000 | 80.000 | 3.1496 | 24.176 | 0.9518 | 22.403 | 0.8820 | 21.000 | 0.8268 | 0.8 | 0.03 | 2.4 | 0.09 | 85.0 | 74.8 | 11.4 | **338** | **332A** | 18.3 | 0.72 | 36.5 | 1.44 | 35.0 | 1.38 | 71.0 | 2.80 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| **25.987** | 1.0231 | 50.292 | 1.9800 | 14.224 | 0.5600 | 14.732 | 0.5800 | 10.668 | 0.4200 | 3.6 | 0.14 | 1.2 | 0.05 | 39.1 | 37.0 | 5.15 | **L44645R** | **L44610** | 10.8 | 0.43 | 36.5 | 1.44 | 31.0 | 1.22 | 44.5 | 1.75 | 47.0 | 1.85 | 0.37 | 1.60 | 0.88 | 8.95 | 5.70 | 1.56 |
| | 1.0231 | 57.150 | 2.2500 | 17.462 | 0.6875 | 17.462 | 0.6875 | 13.495 | 0.5313 | 3.6 | 0.14 | 1.6 | 0.06 | 47.2 | 42.7 | 6.10 | **15579X** | **15520** | 12.7 | 0.50 | 38.5 | 1.52 | 32.0 | 1.26 | 51.0 | 2.01 | 53.0 | 2.09 | 0.35 | 1.73 | 0.95 | 10.8 | 6.40 | 1.69 |
| **26.157** | 1.0298 | 63.500 | 2.5000 | 20.638 | 0.8125 | 20.638 | 0.8125 | 15.875 | 0.6250 | 0.8 | 0.03 | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15103** | **15250** | 15.0 | 0.59 | 33.5 | 1.32 | 33.0 | 1.30 | 55.0 | 2.17 | 59.0 | 2.32 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| **26.162** | 1.0300 | 66.421 | 2.6150 | 23.812 | 0.9375 | 25.433 | 1.0013 | 19.050 | 0.7500 | 1.6 | 0.06 | 1.2 | 0.05 | 83.8 | 75.2 | 11.2 | **2682** | **2631** | 13.9 | 0.55 | 34.5 | 1.36 | 32.0 | 1.26 | 58.0 | 2.28 | 60.0 | 2.36 | 0.25 | 2.36 | 1.30 | 19.5 | 8.45 | 2.30 |
| **26.975** | 1.0620 | 57.150 | 2.2500 | 19.845 | 0.7813 | 19.355 | 0.7620 | 15.875 | 0.6250 | 0.8 | 0.03 | 1.6 | 0.06 | 60.8 | 57.1 | 8.25 | **1987R** | **1922** | 13.9 | 0.55 | 32.5 | 1.28 | 31.5 | 1.24 | 51.0 | 2.01 | 53.5 | 2.11 | 0.33 | 1.82 | 1.00 | 14.0 | 7.90 | 1.77 |
| **26.987** | 1.0625 | 72.626 | 2.8593 | 24.608 | 0.9688 | 24.257 | 0.9550 | 17.462 | 0.6875 | 2.4 | 0.09 | 1.6 | 0.06 | 77.3 | 60.5 | 8.75 | **41106** | **41286** | 20.7 | 0.81 | 42.0 | 1.65 | 36.5 | 1.44 | 61.0 | 2.40 | 68.0 | 2.68 | 0.60 | 1.00 | 0.55 | 17.9 | 18.4 | 0.97 |
| **26.988** | 1.0625 | 50.292 | 1.9800 | 14.224 | 0.5600 | 14.732 | 0.5800 | 10.668 | 0.4200 | 3.6 | 0.14 | 1.2 | 0.05 | 39.1 | 37.0 | 5.15 | **L44649R** | **L44610** | 10.8 | 0.43 | 37.5 | 1.48 | 31.0 | 1.22 | 44.5 | 1.75 | 47.0 | 1.85 | 0.37 | 1.60 | 0.88 | 8.95 | 5.70 | 1.56 |
| | 1.0625 | 57.150 | 2.2500 | 19.845 | 0.7813 | 19.355 | 0.7620 | 15.875 | 0.6250 | 3.2 | 0.13 | 1.6 | 0.06 | 60.8 | 57.1 | 8.25 | **1997XR** | **1922** | 13.9 | 0.55 | 37.5 | 1.48 | 31.5 | 1.24 | 51.0 | 2.01 | 53.5 | 2.11 | 0.33 | 1.82 | 1.00 | 14.0 | 7.90 | 1.77 |
| | 1.0625 | 60.325 | 2.3750 | 19.842 | 0.7812 | 17.462 | 0.6875 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.6 | 0.06 | 47.2 | 42.7 | 6.10 | **15580** | **15523** | 15.1 | 0.59 | 38.5 | 1.52 | 32.0 | 1.26 | 51.0 | 2.01 | 54.0 | 2.13 | 0.35 | 1.73 | 0.95 | 10.8 | 6.40 | 1.69 |
| | 1.0625 | 62.000 | 2.4409 | 19.050 | 0.7500 | 20.638 | 0.8125 | 14.288 | 0.5625 | 0.8 | 0.03 | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15106** | **15245** | 13.2 | 0.52 | 33.5 | 1.32 | 33.0 | 1.30 | 55.0 | 2.17 | 58.0 | 2.28 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| | 1.0625 | 66.421 | 2.6150 | 23.812 | 0.9375 | 25.433 | 1.0013 | 19.050 | 0.7500 | 1.6 | 0.06 | 1.2 | 0.05 | 83.8 | 75.2 | 11.2 | **2688** | **2631** | 13.9 | 0.55 | 35.0 | 1.38 | 33.0 | 1.30 | 58.0 | 2.28 | 60.0 | 2.36 | 0.25 | 2.36 | 1.30 | 19.5 | 8.45 | 2.30 |
| **28.575** | 1.1250 | 57.150 | 2.2500 | 17.462 | 0.6875 | 17.462 | 0.6875 | 13.495 | 0.5313 | 3.6 | 0.14 | 1.6 | 0.06 | 47.2 | 42.7 | 6.10 | **15590** | **15520** | 12.7 | 0.50 | 39.0 | 1.54 | 33.5 | 1.32 | 51.0 | 2.01 | 53.0 | 2.09 | 0.35 | 1.73 | 0.95 | 10.8 | 6.40 | 1.69 |
| | 1.1250 | 57.150 | 2.2500 | 19.845 | 0.7813 | 19.355 | 0.7620 | 15.875 | 0.6250 | 0.8 | 0.03 | 1.6 | 0.06 | 60.8 | 57.1 | 8.25 | **1985R** | **1922** | 13.9 | 0.55 | 34.0 | 1.34 | 33.5 | 1.32 | 51.0 | 2.01 | 53.5 | 2.11 | 0.33 | 1.82 | 1.00 | 14.0 | 7.90 | 1.77 |
| | 1.1250 | 57.150 | 2.2500 | 19.845 | 0.7813 | 19.355 | 0.7620 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.6 | 0.06 | 60.8 | 57.1 | 8.25 | **1988R** | **1922** | 13.9 | 0.55 | 39.5 | 1.56 | 33.5 | 1.32 | 51.0 | 2.01 | 53.5 | 2.11 | 0.33 | 1.82 | 1.00 | 14.0 | 7.90 | 1.77 |
| | 1.1250 | 59.131 | 2.3280 | 15.875 | 0.6250 | 16.764 | 0.6600 | 11.811 | 0.4650 | SP[1)] | SP[1)] | 1.2 | 0.05 | 44.8 | 43.1 | 6.05 | **LM67043** | **LM67010** | 13.0 | 0.51 | 40.5 | 1.59 | 34.0 | 1.34 | 52.0 | 2.05 | 56.0 | 2.20 | 0.41 | 1.46 | 0.80 | 10.3 | 7.25 | 1.42 |
| | 1.1250 | 62.000 | 2.4409 | 19.050 | 0.7500 | 20.638 | 0.8125 | 14.288 | 0.5625 | 3.6 | 0.14 | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15112** | **15245** | 13.2 | 0.52 | 40.0 | 1.57 | 34.0 | 1.34 | 55.0 | 2.17 | 58.0 | 2.28 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| | 1.1250 | 62.000 | 2.4409 | 19.050 | 0.7500 | 20.638 | 0.8125 | 14.288 | 0.5625 | 0.8 | 0.03 | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15113** | **15245** | 13.2 | 0.52 | 34.5 | 1.36 | 34.0 | 1.34 | 55.0 | 2.17 | 58.0 | 2.28 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| | 1.1250 | 64.292 | 2.5312 | 21.432 | 0.8438 | 21.432 | 0.8438 | 16.670 | 0.6563 | 1.6 | 0.06 | 1.6 | 0.06 | 69.1 | 70.7 | 9.90 | **M86647R** | **M86610** | 18.0 | 0.71 | 40.0 | 1.57 | 38.0 | 1.50 | 54.0 | 2.13 | 61.0 | 2.40 | 0.55 | 1.10 | 0.60 | 16.0 | 14.9 | 1.07 |
| | 1.1250 | 66.421 | 2.6150 | 23.812 | 0.9375 | 25.433 | 1.0013 | 19.050 | 0.7500 | 1.2 | 0.05 | 1.2 | 0.05 | 83.8 | 75.2 | 11.2 | **2689** | **2631** | 13.9 | 0.55 | 36.0 | 1.42 | 34.0 | 1.34 | 58.0 | 2.28 | 60.0 | 2.36 | 0.25 | 2.36 | 1.30 | 19.5 | 8.45 | 2.30 |
| | 1.1250 | 66.421 | 2.6150 | 23.812 | 0.9375 | 25.433 | 1.0013 | 19.050 | 0.7500 | 4.8 | 0.19 | 1.2 | 0.05 | 83.8 | 75.2 | 11.2 | **2689X** | **2631** | 13.9 | 0.55 | 42.0 | 1.65 | 34.0 | 1.34 | 58.0 | 2.28 | 60.0 | 2.36 | 0.25 | 2.36 | 1.30 | 19.5 | 8.45 | 2.30 |
| | 1.1250 | 66.421 | 2.6150 | 25.400 | 1.0000 | 25.357 | 0.9983 | 20.638 | 0.8125 | 2.4 | 0.09 | 3.2 | 0.13 | 89.2 | 85.1 | 12.7 | **2578** | **2520** | 16.0 | 0.63 | 39.0 | 1.54 | 35.0 | 1.38 | 57.0 | 2.24 | 62.5 | 2.46 | 0.27 | 2.19 | 1.21 | 20.7 | 9.65 | 2.14 |
| | 1.1250 | 68.262 | 2.6875 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 0.8 | 0.03 | 1.6 | 0.06 | 63.7 | 61.1 | 8.80 | **02474** | **02420** | 17.1 | 0.67 | 36.5 | 1.44 | 36.0 | 1.42 | 59.0 | 2.32 | 63.0 | 2.48 | 0.42 | 1.44 | 0.79 | 14.8 | 10.5 | 1.41 |
| | 1.1250 | 68.262 | 2.6875 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 2.4 | 0.09 | 1.6 | 0.06 | 70.2 | 71.1 | 10.0 | **M88040** | **M88010** | 19.2 | 0.76 | 42.0 | 1.65 | 39.0 | 1.54 | 58.0 | 2.28 | 65.0 | 2.56 | 0.55 | 1.10 | 0.60 | 16.3 | 15.2 | 1.07 |

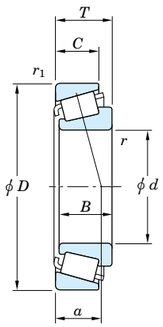
Nota 1) SP indica radio especial.

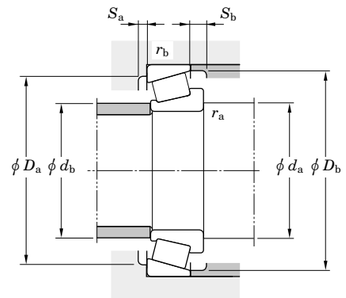
Koyo

## Tipo TS

**$d$ (28.575) ~ (30.162) mm**

**(1.1250) ~ (1.1875) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

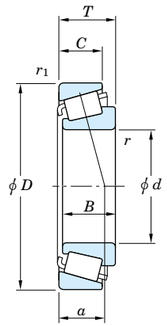
Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

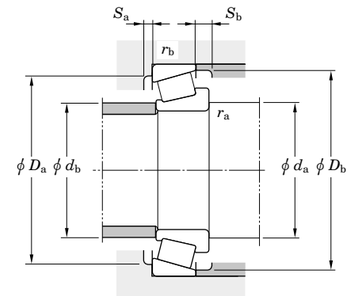
| Dimensiones Principales | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **28.575** | 1.1250 | 68.262 | 2.6875 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 2.4 | 0.09 | 2.4 | 0.09 | 70.2 | 71.1 | 10.0 | **M88040** | **M88011** | 19.2 | 0.76 | 42.0 | 1.65 | 39.0 | 1.54 | 58.0 | 2.28 | 65.0 | 2.56 | 0.55 | 1.10 | 0.60 | 16.3 | 15.2 | 1.07 |
| | 1.1250 | 72.000 | 2.8346 | 19.000 | 0.7480 | 18.923 | 0.7450 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.6 | 0.06 | 59.4 | 60.0 | 7.25 | **26112** | **26283** | 14.3 | 0.56 | 37.0 | 1.46 | 35.0 | 1.38 | 62.0 | 2.44 | 65.0 | 2.56 | 0.36 | 1.67 | 0.92 | 16.1 | 9.90 | 1.62 |
| | 1.1250 | 72.626 | 2.8593 | 24.608 | 0.9688 | 24.257 | 0.9550 | 17.462 | 0.6875 | 4.8 | 0.19 | 1.6 | 0.06 | 77.3 | 60.5 | 8.75 | **41125** | **41286** | 20.7 | 0.81 | 48.0 | 1.89 | 36.5 | 1.44 | 61.0 | 2.40 | 68.0 | 2.68 | 0.60 | 1.00 | 0.55 | 17.9 | 18.4 | 0.97 |
| | 1.1250 | 72.626 | 2.8593 | 24.608 | 0.9688 | 24.257 | 0.9550 | 17.462 | 0.6875 | 1.6 | 0.06 | 1.6 | 0.06 | 77.3 | 60.5 | 8.75 | **41126** | **41286** | 20.7 | 0.81 | 41.5 | 1.63 | 36.5 | 1.44 | 61.0 | 2.40 | 68.0 | 2.68 | 0.60 | 1.00 | 0.55 | 17.9 | 18.4 | 0.97 |
| | 1.1250 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 98.6 | 89.3 | 13.3 | **3192** | **3120** | 20.3 | 0.80 | 42.5 | 1.67 | 37.0 | 1.46 | 61.0 | 2.40 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.1250 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 1.2 | 0.05 | 3.2 | 0.13 | 98.6 | 89.3 | 13.3 | **3198** | **3120** | 20.3 | 0.80 | 39.0 | 1.54 | 37.0 | 1.46 | 61.0 | 2.40 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.1250 | 73.025 | 2.8750 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 0.8 | 0.03 | 3.2 | 0.13 | 68.8 | 65.7 | 9.55 | **02872** | **02820** | 18.4 | 0.72 | 37.5 | 1.48 | 37.0 | 1.46 | 62.0 | 2.44 | 68.0 | 2.68 | 0.45 | 1.32 | 0.73 | 16.0 | 12.4 | 1.29 |
| | 1.1250 | 73.025 | 2.8750 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 0.8 | 0.03 | 0.8 | 0.03 | 68.8 | 65.7 | 9.55 | **02872** | **02830** | 18.4 | 0.72 | 37.5 | 1.48 | 37.0 | 1.46 | 64.0 | 2.52 | 69.0 | 2.72 | 0.45 | 1.32 | 0.73 | 16.0 | 12.4 | 1.29 |
| | 1.1250 | 80.962 | 3.1875 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 0.8 | 0.03 | 0.8 | 0.03 | 68.8 | 65.7 | 9.55 | **02872** | **02831** | 18.4 | 0.72 | 37.5 | 1.48 | 37.0 | 1.46 | 67.0 | 2.64 | 69.0 | 2.72 | 0.45 | 1.32 | 0.73 | 16.0 | 12.4 | 1.29 |
| **29.000** | 1.1417 | 50.292 | 1.9800 | 14.224 | 0.5600 | 14.732 | 0.5800 | 10.668 | 0.4200 | 3.6 | 0.14 | 1.2 | 0.05 | 36.3 | 37.2 | 5.15 | **L45449** | **L45410** | 10.9 | 0.43 | 39.5 | 1.56 | 33.0 | 1.30 | 44.5 | 1.75 | 48.0 | 1.89 | 0.37 | 1.62 | 0.89 | 8.35 | 5.25 | 1.58 |
| | 1.1417 | 66.421 | 2.6150 | 23.812 | 0.9375 | 25.433 | 1.0013 | 19.050 | 0.7500 | 1.0 | 0.04 | 1.2 | 0.05 | 83.8 | 75.2 | 11.2 | **2695X** | **2631** | 13.9 | 0.55 | 35.0 | 1.38 | 34.0 | 1.34 | 58.0 | 2.28 | 60.0 | 2.36 | 0.25 | 2.36 | 1.30 | 19.5 | 8.45 | 2.30 |
| **29.367** | 1.1562 | 66.421 | 2.6150 | 23.812 | 0.9375 | 25.433 | 1.0013 | 19.050 | 0.7500 | 3.6 | 0.14 | 1.2 | 0.05 | 83.8 | 75.2 | 11.2 | **2690** | **2631** | 13.9 | 0.55 | 41.0 | 1.61 | 35.0 | 1.38 | 58.0 | 2.28 | 60.0 | 2.36 | 0.25 | 2.36 | 1.30 | 19.5 | 8.45 | 2.30 |
| | 1.1562 | 66.421 | 2.6150 | 23.812 | 0.9375 | 25.433 | 1.0013 | 19.050 | 0.7500 | 0.8 | 0.03 | 1.2 | 0.05 | 83.8 | 75.2 | 11.2 | **2691** | **2631** | 13.9 | 0.55 | 35.5 | 1.40 | 35.0 | 1.38 | 58.0 | 2.28 | 60.0 | 2.36 | 0.25 | 2.36 | 1.30 | 19.5 | 8.45 | 2.30 |
| **29.985** | 1.1805 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 0.8 | 0.03 | 3.2 | 0.13 | 98.6 | 89.3 | 13.3 | **3190S** | **3120** | 20.3 | 0.80 | 39.0 | 1.54 | 38.0 | 1.50 | 61.0 | 2.40 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| **29.987** | 1.1806 | 62.000 | 2.4409 | 16.002 | 0.6300 | 16.566 | 0.6522 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.6 | 0.06 | 47.4 | 40.6 | 5.80 | **17118** | **17244** | 12.7 | 0.50 | 37.0 | 1.46 | 34.5 | 1.36 | 54.0 | 2.13 | 57.0 | 2.24 | 0.38 | 1.57 | 0.86 | 10.9 | 7.15 | 1.53 |
| | 1.1806 | 62.000 | 2.4409 | 19.050 | 0.7500 | 20.638 | 0.8125 | 14.288 | 0.5625 | 1.2 | 0.05 | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15117** | **15245** | 13.2 | 0.52 | 36.5 | 1.44 | 35.0 | 1.38 | 55.0 | 2.17 | 58.0 | 2.28 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| | 1.1806 | 71.996 | 2.8345 | 19.000 | 0.7480 | 18.923 | 0.7450 | 15.875 | 0.6250 | 1.6 | 0.06 | 2.0 | 0.08 | 69.8 | 60.0 | 8.85 | **26118** | **26283S** | 14.3 | 0.56 | 38.0 | 1.50 | 36.0 | 1.42 | 62.0 | 2.44 | 65.0 | 2.56 | 0.36 | 1.67 | 0.92 | 16.1 | 9.90 | 1.62 |
| | 1.1806 | 72.000 | 2.8346 | 19.000 | 0.7480 | 18.923 | 0.7450 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.6 | 0.06 | 69.8 | 60.0 | 8.85 | **26118** | **26283** | 14.3 | 0.56 | 38.0 | 1.50 | 36.0 | 1.42 | 62.0 | 2.44 | 65.0 | 2.56 | 0.36 | 1.67 | 0.92 | 16.1 | 9.90 | 1.62 |
| **30.000** | 1.1811 | 62.000 | 2.4409 | 16.002 | 0.6300 | 16.566 | 0.6522 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.6 | 0.06 | 47.4 | 40.6 | 5.80 | **17118S** | **17244** | 12.7 | 0.50 | 37.0 | 1.46 | 34.5 | 1.36 | 54.0 | 2.13 | 57.0 | 2.24 | 0.38 | 1.57 | 0.86 | 10.9 | 7.15 | 1.53 |
| | 1.1811 | 68.956 | 2.7148 | 19.845 | 0.7813 | 19.202 | 0.7560 | 15.875 | 0.6250 | 0.8 | 0.03 | 3.2 | 0.13 | 57.7 | 55.0 | 7.95 | **14118** | **14274A** | 15.5 | 0.61 | 37.0 | 1.46 | 36.5 | 1.44 | 59.0 | 2.32 | 63.0 | 2.48 | 0.38 | 1.57 | 0.86 | 13.4 | 8.70 | 1.53 |
| | 1.1811 | 69.012 | 2.7170 | 19.845 | 0.7813 | 19.583 | 0.7710 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.2 | 0.05 | 57.7 | 55.0 | 7.95 | **14117A** | **14276** | 15.5 | 0.61 | 42.5 | 1.67 | 39.5 | 1.56 | 60.0 | 2.36 | 63.0 | 2.48 | 0.38 | 1.57 | 0.86 | 13.4 | 8.70 | 1.53 |
| | 1.1811 | 69.012 | 2.7170 | 19.845 | 0.7813 | 19.583 | 0.7710 | 15.875 | 0.6250 | 3.6 | 0.14 | 3.2 | 0.13 | 57.7 | 55.0 | 7.95 | **14118A** | **14274** | 15.5 | 0.61 | 42.5 | 1.67 | 39.5 | 1.56 | 59.0 | 2.32 | 63.0 | 2.48 | 0.38 | 1.57 | 0.86 | 13.4 | 8.70 | 1.53 |
| | 1.1811 | 69.850 | 2.7500 | 23.812 | 0.9375 | 25.357 | 0.9983 | 19.050 | 0.7500 | 3.6 | 0.14 | 1.2 | 0.05 | 89.2 | 85.1 | 12.7 | **2586** | **2523** | 14.4 | 0.57 | 42.0 | 1.65 | 35.5 | 1.40 | 61.0 | 2.40 | 64.0 | 2.52 | 0.27 | 2.19 | 1.21 | 20.7 | 9.65 | 2.14 |
| | 1.1811 | 71.996 | 2.8345 | 19.000 | 0.7480 | 18.923 | 0.7450 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.6 | 0.06 | 69.8 | 60.0 | 8.85 | **26118S** | **26283** | 14.3 | 0.56 | 38.0 | 1.50 | 36.0 | 1.42 | 62.0 | 2.44 | 65.0 | 2.56 | 0.36 | 1.67 | 0.92 | 16.1 | 9.90 | 1.62 |
| | 1.1811 | 72.085 | 2.8380 | 29.522 | 1.1623 | 26.721 | 1.0520 | 18.415 | 0.7250 | 3.6 | 0.14 | 2.4 | 0.09 | 57.7 | 55.0 | 7.95 | **14120A** | **14283** | 22.6 | 0.89 | 42.5 | 1.67 | 39.5 | 1.56 | 60.0 | 2.36 | 63.0 | 2.48 | 0.38 | 1.57 | 0.86 | 13.4 | 8.70 | 1.53 |
| | 1.1811 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 98.6 | 89.3 | 13.3 | **3190** | **3120** | 20.3 | 0.80 | 43.0 | 1.69 | 38.0 | 1.50 | 61.0 | 2.40 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.1811 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 0.8 | 0.03 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **348** | **332** | 15.1 | 0.59 | 39.5 | 1.56 | 39.5 | 1.56 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.1811 | 88.501 | 3.4843 | 26.988 | 1.0625 | 29.083 | 1.1450 | 22.225 | 0.8750 | 0.8 | 0.03 | 1.6 | 0.06 | 123 | 112 | 17.2 | **416** | **414** | 16.9 | 0.67 | 39.5 | 1.56 | 39.5 | 1.56 | 77.0 | 3.03 | 80.0 | 3.15 | 0.26 | 2.28 | 1.25 | 28.6 | 12.9 | 2.22 |
| | 1.1811 | 88.501 | 3.4843 | 26.988 | 1.0625 | 29.083 | 1.1450 | 22.225 | 0.8750 | 0.8 | 0.03 | 3.2 | 0.13 | 123 | 112 | 17.2 | **416** | **414A** | 16.9 | 0.67 | 39.5 | 1.56 | 39.5 | 1.56 | 76.0 | 2.99 | 79.0 | 3.11 | 0.26 | 2.28 | 1.25 | 28.6 | 12.9 | 2.22 |
| **30.112** | 1.1855 | 62.000 | 2.4409 | 19.050 | 0.7500 | 20.638 | 0.8125 | 14.288 | 0.5625 | 0.8 | 0.03 | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15116** | **15245** | 13.2 | 0.52 | 36.0 | 1.42 | 35.5 | 1.40 | 55.0 | 2.17 | 58.0 | 2.28 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| **30.162** | 1.1875 | 58.738 | 2.3125 | 14.684 | 0.5781 | 15.080 | 0.5937 | 10.716 | 0.4219 | 3.6 | 0.14 | 1.0 | 0.04 | 37.0 | 33.3 | 4.60 | **08118** | **08231** | 13.5 | 0.53 | 41.5 | 1.63 | 35.0 | 1.38 | 52.0 | 2.05 | 55.0 | 2.17 | 0.48 | 1.26 | 0.69 | 8.45 | 6.85 | 1.23 |
| | 1.1875 | 62.000 | 2.4409 | 16.002 | 0.6300 | 16.566 | 0.6522 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.6 | 0.06 | 47.4 | 40.6 | 5.80 | **17119** | **17244** | 12.7 | 0.50 | 37.0 | 1.46 | 34.5 | 1.36 | 54.0 | 2.13 | 57.0 | 2.24 | 0.38 | 1.57 | 0.86 | 10.9 | 7.15 | 1.53 |
| | 1.1875 | 64.292 | 2.5312 | 21.432 | 0.8438 | 21.432 | 0.8438 | 16.670 | 0.6563 | 1.6 | 0.06 | 1.6 | 0.06 | 69.1 | 70.7 | 9.90 | **M86649R** | **M86610** | 18.0 | 0.71 | 41.0 | 1.61 | 38.0 | 1.50 | 54.0 | 2.13 | 61.0 | 2.40 | 0.55 | 1.10 | 0.60 | 16.0 | 14.9 | 1.07 |
| | 1.1875 | 68.262 | 2.6875 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 0.8 | 0.03 | 1.6 | 0.06 | 63.7 | 61.1 | 8.80 | **02477** | **02420** | 17.1 | 0.67 | 38.0 | 1.50 | 36.0 | 1.42 | 59.0 | 2.32 | 63.0 | 2.48 | 0.42 | 1.44 | 0.79 | 14.8 | 10.5 | 1.41 |
| | 1.1875 | 68.262 | 2.6875 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 2.4 | 0.09 | 1.6 | 0.06 | 70.2 | 71.1 | 10.0 | **M88043** | **M88010** | 19.2 | 0.76 | 43.5 | 1.71 | 39.5 | 1.56 | 58.0 | 2.28 | 65.0 | 2.56 | 0.55 | 1.10 | 0.60 | 16.3 | 15.2 | 1.07 |
| | 1.1875 | 69.850 | 2.7500 | 23.812 | 0.9375 | 25.357 | 0.9983 | 19.050 | 0.7500 | 2.4 | 0.09 | 1.6 | 0.06 | 89.2 | 85.1 | 12.7 | **2558** | **2523S** | 14.4 | 0.57 | 40.0 | 1.57 | 36.5 | 1.44 | 61.0 | 2.40 | 64.0 | 2.52 | 0.27 | 2.19 | 1.21 | 20.7 | 9.65 | 2.14 |
| | 1.1875 | 69.850 | 2.7500 | 23.812 | 0.9375 | 25.357 | 0.9983 | 19.050 | 0.7500 | 0.8 | 0.03 | 1.2 | 0.05 | 89.2 | 85.1 | 12.7 | **2559** | **2523** | 14.4 | 0.57 | 37.0 | 1.46 | 36.5 | 1.44 | 61.0 | 2.40 | 64.0 | 2.52 | 0.27 | 2.19 | 1.21 | 20.7 | 9.65 | 2.14 |
| | 1.1875 | 72.022 | 2.8355 | 23.812 | 0.9375 | 25.357 | 0.9983 | 19.050 | 0.7500 | 2.4 | 0.09 | 0.8 | 0.03 | 89.2 | 85.1 | 12.7 | **2558** | **2525** | 14.4 | 0.57 | 40.0 | 1.57 | 36.5 | 1.44 | 64.0 | 2.52 | 65.0 | 2.56 | 0.27 | 2.19 | 1.21 | 20.7 | 9.65 | 2.14 |

Nota 1) SP indica radio especial.

## Tipo TS

**$d$ (30.162) ~ (31.750) mm**
**(1.1875) ~ (1.2500) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

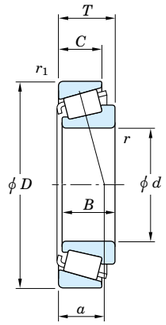
| Dimensiones Principales | | | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **30.162** | 1.1875 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 0.8 | 0.03 | 0.8 | 0.03 | 98.6 | 89.3 | 13.3 | **3187** | **3130** | 20.3 | 0.80 | 39.0 | 1.54 | 38.5 | 1.52 | 63.0 | 2.48 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.1875 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 98.6 | 89.3 | 13.3 | **3191** | **3120** | 20.3 | 0.80 | 44.0 | 1.73 | 38.5 | 1.52 | 61.0 | 2.40 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.1875 | 76.200 | 3.0000 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 98.6 | 89.3 | 13.3 | **3191** | **3129** | 20.3 | 0.80 | 44.0 | 1.73 | 38.5 | 1.52 | 65.0 | 2.56 | 69.0 | 2.72 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.1875 | 79.375 | 3.1250 | 29.370 | 1.1563 | 29.771 | 1.1721 | 23.812 | 0.9375 | 0.8 | 0.03 | 3.2 | 0.13 | 109 | 105 | 15.7 | **3474** | **3420** | 20.8 | 0.82 | 41.0 | 1.61 | 40.0 | 1.57 | 67.0 | 2.64 | 74.0 | 2.91 | 0.37 | 1.64 | 0.90 | 25.5 | 15.9 | 1.60 |
| | 1.1875 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 0.8 | 0.03 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **334** | **332** | 15.1 | 0.59 | 39.5 | 1.56 | 39.5 | 1.56 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.1875 | 80.000 | 3.1496 | 24.176 | 0.9518 | 22.403 | 0.8820 | 21.000 | 0.8268 | 0.8 | 0.03 | 2.4 | 0.09 | 85.0 | 74.8 | 11.4 | **334** | **332A** | 18.3 | 0.72 | 39.5 | 1.56 | 39.5 | 1.56 | 71.0 | 2.80 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.1875 | 80.035 | 3.1510 | 21.432 | 0.8438 | 20.940 | 0.8244 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.6 | 0.06 | 71.6 | 65.9 | 9.70 | **28118** | **28317** | 16.9 | 0.67 | 40.0 | 1.57 | 37.5 | 1.48 | 69.0 | 2.72 | 73.0 | 2.87 | 0.40 | 1.49 | 0.82 | 16.5 | 11.3 | 1.46 |
| **30.213** | 1.1895 | 62.000 | 2.4409 | 19.050 | 0.7500 | 20.638 | 0.8125 | 14.288 | 0.5625 | 3.6 | 0.14 | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15118** | **15245** | 13.2 | 0.52 | 41.5 | 1.63 | 35.5 | 1.40 | 55.0 | 2.17 | 58.0 | 2.28 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| | 1.1895 | 62.000 | 2.4409 | 19.050 | 0.7500 | 20.638 | 0.8125 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15119** | **15245** | 13.2 | 0.52 | 37.5 | 1.48 | 35.5 | 1.40 | 55.0 | 2.17 | 58.0 | 2.28 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| | 1.1895 | 62.000 | 2.4409 | 19.050 | 0.7500 | 20.638 | 0.8125 | 14.288 | 0.5625 | 0.8 | 0.03 | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15120** | **15245** | 13.2 | 0.52 | 36.0 | 1.42 | 35.5 | 1.40 | 55.0 | 2.17 | 58.0 | 2.28 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| **30.226** | 1.1900 | 69.012 | 2.7170 | 19.845 | 0.7813 | 19.583 | 0.7710 | 15.875 | 0.6250 | 0.8 | 0.03 | 3.2 | 0.13 | 57.7 | 55.0 | 7.95 | **14116** | **14274** | 15.5 | 0.61 | 37.0 | 1.46 | 36.5 | 1.44 | 59.0 | 2.32 | 63.0 | 2.48 | 0.38 | 1.57 | 0.86 | 13.4 | 8.70 | 1.53 |
| **30.955** | 1.2187 | 64.292 | 2.5312 | 21.432 | 0.8438 | 21.432 | 0.8438 | 16.670 | 0.6563 | 2.4 | 0.09 | 1.6 | 0.06 | 69.1 | 70.7 | 9.90 | **M86648R** | **M86610** | 18.0 | 0.71 | 41.0 | 1.61 | 38.0 | 1.50 | 54.0 | 2.13 | 61.0 | 2.40 | 0.55 | 1.10 | 0.60 | 16.0 | 14.9 | 1.07 |
| **31.623** | 1.2450 | 66.675 | 2.6250 | 20.638 | 0.8125 | 20.638 | 0.8125 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.6 | 0.06 | 58.1 | 54.5 | 7.90 | **1674** | **1620** | 15.7 | 0.62 | 45.0 | 1.77 | 38.5 | 1.52 | 58.0 | 2.28 | 61.0 | 2.40 | 0.37 | 1.62 | 0.89 | 13.5 | 8.55 | 1.57 |
| **31.750** | 1.2500 | 58.738 | 2.3125 | 14.684 | 0.5781 | 15.080 | 0.5937 | 10.716 | 0.4219 | 1.0 | 0.04 | 1.0 | 0.04 | 37.0 | 33.3 | 4.60 | **08125** | **08231** | 13.5 | 0.53 | 37.5 | 1.48 | 36.0 | 1.42 | 52.0 | 2.05 | 55.0 | 2.17 | 0.48 | 1.26 | 0.69 | 8.45 | 6.85 | 1.23 |
| | 1.2500 | 59.131 | 2.3280 | 15.875 | 0.6250 | 16.764 | 0.6600 | 11.811 | 0.4650 | SP[1)] | SP[1)] | 1.2 | 0.05 | 44.8 | 43.1 | 6.05 | **LM67048** | **LM67010** | 13.0 | 0.51 | 42.5 | 1.67 | 36.0 | 1.42 | 52.0 | 2.05 | 56.0 | 2.20 | 0.41 | 1.46 | 0.80 | 10.3 | 7.25 | 1.42 |
| | 1.2500 | 62.000 | 2.4409 | 18.161 | 0.7150 | 19.050 | 0.7500 | 14.288 | 0.5625 | SP[1)] | SP[1)] | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15123** | **15245** | 13.2 | 0.52 | 42.5 | 1.67 | 36.5 | 1.44 | 55.0 | 2.17 | 58.0 | 2.28 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| | 1.2500 | 62.000 | 2.4409 | 19.050 | 0.7500 | 20.638 | 0.8125 | 14.288 | 0.5625 | 3.6 | 0.14 | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15125** | **15245** | 13.2 | 0.52 | 42.5 | 1.67 | 36.5 | 1.44 | 55.0 | 2.17 | 58.0 | 2.28 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| | 1.2500 | 62.000 | 2.4409 | 19.050 | 0.7500 | 20.638 | 0.8125 | 14.288 | 0.5625 | 0.8 | 0.03 | 1.2 | 0.05 | 55.7 | 50.7 | 7.30 | **15126** | **15245** | 13.2 | 0.52 | 37.0 | 1.46 | 36.5 | 1.44 | 55.0 | 2.17 | 58.0 | 2.28 | 0.35 | 1.71 | 0.94 | 12.9 | 7.75 | 1.67 |
| | 1.2500 | 66.421 | 2.6150 | 25.400 | 1.0000 | 25.357 | 0.9983 | 20.638 | 0.8125 | 0.8 | 0.03 | 3.2 | 0.13 | 89.2 | 85.1 | 12.7 | **2580** | **2520** | 16.0 | 0.63 | 38.5 | 1.52 | 37.5 | 1.48 | 57.0 | 2.24 | 62.5 | 2.46 | 0.27 | 2.19 | 1.21 | 20.7 | 9.65 | 2.14 |
| | 1.2500 | 66.421 | 2.6150 | 25.400 | 1.0000 | 25.357 | 0.9983 | 20.638 | 0.8125 | 3.6 | 0.14 | 3.2 | 0.13 | 89.2 | 85.1 | 12.7 | **2582** | **2520** | 16.0 | 0.63 | 44.0 | 1.73 | 37.5 | 1.48 | 57.0 | 2.24 | 62.5 | 2.46 | 0.27 | 2.19 | 1.21 | 20.7 | 9.65 | 2.14 |
| | 1.2500 | 68.262 | 2.6875 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 3.6 | 0.14 | 1.6 | 0.06 | 63.7 | 61.1 | 8.80 | **02475** | **02420** | 17.1 | 0.67 | 44.5 | 1.75 | 38.5 | 1.52 | 59.0 | 2.32 | 63.0 | 2.48 | 0.42 | 1.44 | 0.79 | 14.8 | 10.5 | 1.41 |
| | 1.2500 | 68.262 | 2.6875 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 1.6 | 0.06 | 1.6 | 0.06 | 63.7 | 61.1 | 8.80 | **02475A** | **02420** | 17.1 | 0.67 | 42.0 | 1.65 | 38.0 | 1.50 | 59.0 | 2.32 | 63.0 | 2.48 | 0.42 | 1.44 | 0.79 | 14.8 | 10.5 | 1.41 |
| | 1.2500 | 68.262 | 2.6875 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 0.8 | 0.03 | 1.6 | 0.06 | 63.7 | 61.1 | 8.80 | **02476** | **02420** | 17.1 | 0.67 | 39.0 | 1.54 | 38.5 | 1.52 | 59.0 | 2.32 | 63.0 | 2.48 | 0.42 | 1.44 | 0.79 | 14.8 | 10.5 | 1.41 |
| | 1.2500 | 68.262 | 2.6875 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 1.6 | 0.06 | 1.6 | 0.06 | 70.2 | 71.1 | 10.0 | **M88046** | **M88010** | 19.2 | 0.76 | 43.0 | 1.69 | 40.5 | 1.59 | 58.0 | 2.28 | 65.0 | 2.56 | 0.55 | 1.10 | 0.60 | 16.3 | 15.2 | 1.07 |
| | 1.2500 | 68.956 | 2.7148 | 19.845 | 0.7813 | 19.583 | 0.7710 | 15.875 | 0.6250 | 3.6 | 0.14 | 3.2 | 0.13 | 57.7 | 55.0 | 7.95 | **14125** | **14274A** | 15.5 | 0.61 | 44.0 | 1.73 | 37.5 | 1.48 | 59.0 | 2.32 | 63.0 | 2.48 | 0.38 | 1.57 | 0.86 | 13.4 | 8.70 | 1.53 |
| | 1.2500 | 69.012 | 2.7170 | 26.982 | 1.0623 | 26.721 | 1.0520 | 15.875 | 0.6250 | 4.3 | 0.17 | 3.2 | 0.13 | 57.7 | 55.0 | 7.95 | **14123A** | **14274** | 22.6 | 0.89 | 44.0 | 1.73 | 40.0 | 1.57 | 59.0 | 2.32 | 63.0 | 2.48 | 0.38 | 1.57 | 0.86 | 13.4 | 8.70 | 1.53 |
| | 1.2500 | 71.973 | 2.8336 | 27.000 | 1.0630 | 25.400 | 1.0000 | 21.443 | 0.8442 | 1.6 | 0.06 | 1.6 | 0.06 | 83.8 | 87.4 | 12.4 | **HM88644** | **HM88611** | 22.3 | 0.88 | 45.0 | 1.77 | 42.5 | 1.67 | 60.0 | 2.36 | 69.0 | 2.72 | 0.55 | 1.10 | 0.60 | 19.6 | 18.3 | 1.07 |
| | 1.2500 | 72.034 | 2.8360 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 0.8 | 0.03 | 2.8 | 0.11 | 98.6 | 89.3 | 13.3 | **3188** | **3126** | 20.3 | 0.80 | 40.0 | 1.57 | 39.5 | 1.56 | 61.0 | 2.40 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.2500 | 72.233 | 2.8438 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.842 | 0.7812 | 1.6 | 0.06 | 2.4 | 0.09 | 83.8 | 87.4 | 12.4 | **HM88644** | **HM88610** | 20.7 | 0.81 | 45.0 | 1.77 | 42.5 | 1.67 | 60.0 | 2.36 | 69.0 | 2.72 | 0.55 | 1.10 | 0.60 | 19.6 | 18.3 | 1.07 |
| | 1.2500 | 72.626 | 2.8593 | 28.575 | 1.1250 | 29.997 | 1.1810 | 22.225 | 0.8750 | 0.8 | 0.03 | 3.2 | 0.13 | 98.6 | 89.3 | 13.3 | **3188** | **3125** | 18.7 | 0.74 | 40.0 | 1.57 | 39.5 | 1.56 | 61.0 | 2.40 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.2500 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 0.8 | 0.03 | 0.8 | 0.03 | 98.6 | 89.3 | 13.3 | **3188** | **3130** | 20.3 | 0.80 | 40.0 | 1.57 | 39.5 | 1.56 | 63.0 | 2.48 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.2500 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 1.6 | 0.06 | 0.8 | 0.03 | 98.6 | 89.3 | 13.3 | **3188S** | **3130** | 20.3 | 0.80 | 41.5 | 1.63 | 39.5 | 1.56 | 63.0 | 2.48 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.2500 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 98.6 | 89.3 | 13.3 | **3193** | **3130** | 20.3 | 0.80 | 45.5 | 1.79 | 39.5 | 1.56 | 63.0 | 2.48 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.2500 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 2.4 | 0.09 | 3.2 | 0.13 | 98.6 | 89.3 | 13.3 | **3199** | **3120** | 20.3 | 0.80 | 42.5 | 1.67 | 39.5 | 1.56 | 61.0 | 2.40 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.2500 | 73.025 | 2.8750 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 3.6 | 0.14 | 3.2 | 0.13 | 68.8 | 65.7 | 9.55 | **02875** | **02820** | 17.1 | 0.67 | 45.5 | 1.79 | 39.5 | 1.56 | 62.0 | 2.44 | 68.0 | 2.68 | 0.45 | 1.32 | 0.73 | 16.0 | 12.4 | 1.29 |
| | 1.2500 | 73.025 | 2.8750 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 3.6 | 0.14 | 0.8 | 0.03 | 68.8 | 65.7 | 9.55 | **02875** | **02830** | 17.1 | 0.67 | 45.5 | 1.79 | 39.5 | 1.56 | 64.0 | 2.52 | 69.0 | 2.72 | 0.45 | 1.32 | 0.73 | 16.0 | 12.4 | 1.29 |
| | 1.2500 | 73.025 | 2.8750 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 0.8 | 0.03 | 3.2 | 0.13 | 68.8 | 65.7 | 9.55 | **02876** | **02820** | 17.1 | 0.67 | 40.0 | 1.57 | 39.5 | 1.56 | 62.0 | 2.44 | 68.0 | 2.68 | 0.45 | 1.32 | 0.73 | 16.0 | 12.4 | 1.29 |
| | 1.2500 | 73.025 | 2.8750 | 22.225 | 0.8750 | 23.812 | 0.9375 | 17.462 | 0.6875 | 3.6 | 0.14 | 3.2 | 0.13 | 80.3 | 78.1 | 11.5 | **2875** | **2820** | 16.3 | 0.64 | 44.5 | 1.75 | 39.0 | 1.54 | 62.0 | 2.44 | 68.0 | 2.68 | 0.37 | 1.63 | 0.89 | 18.6 | 11.7 | 1.59 |

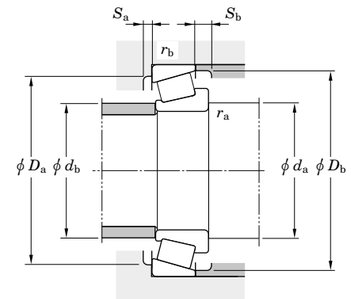
Nota 1) SP indica radio especial.

## Tipo TS

**$d$ (31.750) ~ 33.338 mm**

**(1.2500) ~ 1.3125 pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

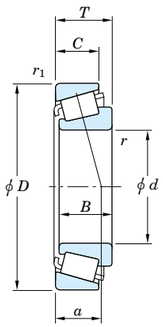
| Dimensiones Principales | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **31.750** | 1.2500 | 73.025 | 2.8750 | 22.225 | 0.8750 | 23.812 | 0.9375 | 17.462 | 0.6875 | 0.8 | 0.03 | 0.8 | 0.03 | 80.3 | 78.1 | 11.5 | **2879** | **2821** | 16.3 | 0.64 | 39.0 | 1.54 | 39.0 | 1.54 | 65.0 | 2.56 | 68.0 | 2.68 | 0.37 | 1.63 | 0.89 | 18.6 | 11.7 | 1.59 |
| | 1.2500 | 73.025 | 2.8750 | 26.543 | 1.0450 | 25.400 | 1.0000 | 21.000 | 0.8268 | 1.6 | 0.06 | 2.4 | 0.09 | 83.8 | 87.4 | 12.4 | **HM88644** | **HM88612** | 21.8 | 0.86 | 45.0 | 1.77 | 42.5 | 1.67 | 60.0 | 2.36 | 69.0 | 2.72 | 0.55 | 1.10 | 0.60 | 19.6 | 18.3 | 1.07 |
| | 1.2500 | 73.025 | 2.8750 | 26.988 | 1.0625 | 26.975 | 1.0620 | 22.225 | 0.8750 | 3.6 | 0.14 | 1.6 | 0.06 | 97.2 | 94.1 | 13.9 | **23685** | **23620** | 18.8 | 0.74 | 45.0 | 1.77 | 40.0 | 1.57 | 64.0 | 2.52 | 68.0 | 2.68 | 0.37 | 1.62 | 0.89 | 22.6 | 14.2 | 1.58 |
| | 1.2500 | 73.025 | 2.8750 | 29.370 | 1.1563 | 27.783 | 1.0938 | 23.020 | 0.9063 | 1.2 | 0.05 | 3.2 | 0.13 | 93.0 | 101 | 14.2 | **HM88542** | **HM88510** | 23.4 | 0.92 | 45.5 | 1.79 | 42.5 | 1.67 | 59.0 | 2.32 | 70.0 | 2.76 | 0.55 | 1.10 | 0.60 | 21.7 | 20.3 | 1.07 |
| | 1.2500 | 73.812 | 2.9060 | 29.370 | 1.1563 | 27.783 | 1.0938 | 23.020 | 0.9063 | 1.2 | 0.05 | 3.2 | 0.13 | 93.0 | 101 | 14.2 | **HM88542** | **HM88512** | 23.4 | 0.92 | 45.5 | 1.79 | 42.5 | 1.67 | 59.0 | 2.32 | 70.0 | 2.76 | 0.55 | 1.10 | 0.60 | 21.7 | 20.3 | 1.07 |
| | 1.2500 | 76.200 | 3.0000 | 29.370 | 1.1563 | 28.575 | 1.1250 | 23.020 | 0.9063 | 0.8 | 0.03 | 0.8 | 0.03 | 99.5 | 107 | 15.2 | **HM89440** | **HM89411** | 23.9 | 0.94 | 45.5 | 1.79 | 44.5 | 1.75 | 65.0 | 2.56 | 73.0 | 2.87 | 0.55 | 1.10 | 0.60 | 23.2 | 21.7 | 1.07 |
| | 1.2500 | 79.375 | 3.1250 | 29.370 | 1.1563 | 29.771 | 1.1721 | 23.812 | 0.9375 | 1.6 | 0.06 | 3.2 | 0.13 | 109 | 105 | 15.7 | **3476X** | **3420** | 20.8 | 0.82 | 43.0 | 1.69 | 41.0 | 1.61 | 67.0 | 2.64 | 74.0 | 2.91 | 0.37 | 1.64 | 0.90 | 25.5 | 15.9 | 1.60 |
| | 1.2500 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 0.8 | 0.03 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **346** | **332** | 15.1 | 0.59 | 40.0 | 1.57 | 39.5 | 1.56 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.2500 | 80.167 | 3.1562 | 29.370 | 1.1563 | 29.771 | 1.1721 | 23.812 | 0.9375 | 1.2 | 0.05 | 3.2 | 0.13 | 109 | 105 | 15.7 | **3476** | **3422** | 20.8 | 0.82 | 43.0 | 1.69 | 41.0 | 1.61 | 68.0 | 2.68 | 74.0 | 2.91 | 0.37 | 1.64 | 0.90 | 25.5 | 15.9 | 1.60 |
| | 1.2500 | 95.250 | 3.7500 | 27.783 | 1.0938 | 29.901 | 1.1772 | 22.225 | 0.8750 | 0.8 | 0.03 | 0.8 | 0.03 | 129 | 122 | 18.8 | **443** | **432A** | 18.4 | 0.72 | 42.0 | 1.65 | 41.0 | 1.61 | 84.0 | 3.31 | 87.0 | 3.43 | 0.28 | 2.11 | 1.16 | 30.0 | 14.6 | 2.06 |
| **31.986** | 1.2593 | 72.233 | 2.8438 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.842 | 0.7812 | 3.2 | 0.13 | 2.4 | 0.09 | 83.8 | 87.4 | 12.4 | **HM88638** | **HM88610** | 20.7 | 0.81 | 48.5 | 1.91 | 42.5 | 1.67 | 60.0 | 2.36 | 69.0 | 2.72 | 0.55 | 1.10 | 0.60 | 19.6 | 18.3 | 1.07 |
| **32.004** | 1.2600 | 72.000 | 2.8346 | 19.000 | 0.7480 | 18.923 | 0.7450 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.6 | 0.06 | 69.8 | 60.0 | 8.85 | **26126** | **26283** | 14.3 | 0.56 | 39.5 | 1.56 | 37.5 | 1.48 | 62.0 | 2.44 | 65.0 | 2.56 | 0.36 | 1.67 | 0.92 | 16.1 | 9.90 | 1.62 |
| **32.542** | 1.2812 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 0.8 | 0.03 | 3.2 | 0.13 | 98.6 | 89.3 | 13.3 | **3194** | **3120** | 20.3 | 0.80 | 41.0 | 1.61 | 40.0 | 1.57 | 61.0 | 2.40 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| **33.338** | 1.3125 | 66.421 | 2.6150 | 25.400 | 1.0000 | 25.357 | 0.9983 | 20.638 | 0.8125 | 0.8 | 0.03 | 3.2 | 0.13 | 89.2 | 85.1 | 12.7 | **2581** | **2520** | 16.0 | 0.63 | 39.5 | 1.56 | 39.0 | 1.54 | 57.0 | 2.24 | 62.5 | 2.46 | 0.27 | 2.19 | 1.21 | 20.7 | 9.65 | 2.14 |
| | 1.3125 | 66.421 | 2.6150 | 25.400 | 1.0000 | 25.357 | 0.9983 | 20.638 | 0.8125 | 3.6 | 0.14 | 3.2 | 0.13 | 89.2 | 85.1 | 12.7 | **2585** | **2520** | 16.0 | 0.63 | 45.0 | 1.77 | 39.0 | 1.54 | 57.0 | 2.24 | 62.5 | 2.46 | 0.27 | 2.19 | 1.21 | 20.7 | 9.65 | 2.14 |
| | 1.3125 | 66.675 | 2.6250 | 20.638 | 0.8125 | 20.638 | 0.8125 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.6 | 0.06 | 58.1 | 54.5 | 7.90 | **1680** | **1620** | 15.7 | 0.62 | 45.0 | 1.77 | 38.5 | 1.52 | 58.0 | 2.28 | 61.0 | 2.40 | 0.37 | 1.62 | 0.89 | 13.5 | 8.55 | 1.58 |
| | 1.3125 | 68.262 | 2.6875 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 0.8 | 0.03 | 1.6 | 0.06 | 70.2 | 71.1 | 10.0 | **M88048** | **M88010** | 19.2 | 0.76 | 42.5 | 1.67 | 41.0 | 1.61 | 58.0 | 2.28 | 65.0 | 2.56 | 0.55 | 1.10 | 0.60 | 16.3 | 15.2 | 1.07 |
| | 1.3125 | 68.956 | 2.7148 | 19.845 | 0.7813 | 19.583 | 0.7710 | 15.875 | 0.6250 | 3.6 | 0.14 | 3.2 | 0.13 | 57.7 | 55.0 | 7.95 | **14130** | **14274A** | 15.5 | 0.61 | 45.0 | 1.77 | 38.5 | 1.52 | 59.0 | 2.32 | 63.0 | 2.48 | 0.38 | 1.57 | 0.86 | 13.4 | 8.70 | 1.53 |
| | 1.3125 | 68.956 | 2.7148 | 19.845 | 0.7813 | 19.583 | 0.7710 | 15.875 | 0.6250 | 0.8 | 0.03 | 3.2 | 0.13 | 57.7 | 55.0 | 7.95 | **14131** | **14274A** | 15.5 | 0.61 | 39.5 | 1.56 | 38.5 | 1.52 | 59.0 | 2.32 | 63.0 | 2.48 | 0.38 | 1.57 | 0.86 | 13.4 | 8.70 | 1.53 |
| | 1.3125 | 69.012 | 2.7170 | 22.385 | 0.8813 | 19.583 | 0.7710 | 18.415 | 0.7250 | 3.6 | 0.14 | 2.4 | 0.09 | 57.7 | 55.0 | 7.95 | **14130** | **14277** | 18.0 | 0.71 | 45.0 | 1.77 | 38.5 | 1.52 | 59.0 | 2.32 | 63.0 | 2.48 | 0.38 | 1.57 | 0.86 | 13.4 | 8.70 | 1.53 |
| | 1.3125 | 69.723 | 2.7450 | 19.050 | 0.7500 | 18.923 | 0.7450 | 19.050 | 0.7500 | 3.6 | 0.14 | 1.6 | 0.06 | 69.8 | 60.0 | 8.85 | **26131** | **26274** | 14.3 | 0.56 | 44.5 | 1.75 | 38.5 | 1.52 | 62.0 | 2.44 | 65.0 | 2.56 | 0.36 | 1.67 | 0.92 | 16.1 | 9.90 | 1.62 |
| | 1.3125 | 72.000 | 2.8346 | 19.000 | 0.7480 | 18.923 | 0.7450 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.6 | 0.06 | 59.4 | 60.0 | 7.25 | **26131** | **26283** | 14.3 | 0.56 | 44.5 | 1.75 | 38.5 | 1.52 | 62.0 | 2.44 | 65.0 | 2.56 | 0.36 | 1.67 | 0.92 | 16.1 | 9.90 | 1.62 |
| | 1.3125 | 72.000 | 2.8346 | 19.000 | 0.7480 | 18.923 | 0.7450 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.6 | 0.06 | 69.8 | 60.0 | 8.85 | **26132** | **26283** | 14.3 | 0.56 | 40.5 | 1.59 | 38.0 | 1.50 | 62.0 | 2.44 | 65.0 | 2.56 | 0.36 | 1.67 | 0.92 | 16.1 | 9.90 | 1.62 |
| | 1.3125 | 72.238 | 2.8440 | 20.638 | 0.8125 | 20.638 | 0.8125 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.2 | 0.05 | 62.3 | 61.3 | 8.90 | **16131** | **16284** | 16.6 | 0.65 | 46.0 | 1.81 | 39.5 | 1.56 | 63.0 | 2.48 | 67.0 | 2.64 | 0.40 | 1.49 | 0.82 | 14.4 | 9.90 | 1.46 |
| | 1.3125 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 3.6 | 0.14 | 1.8 | 0.07 | 98.6 | 89.3 | 13.3 | **3196** | **3130** | 20.3 | 0.80 | 47.0 | 1.85 | 40.5 | 1.59 | 63.0 | 2.48 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.3125 | 72.626 | 2.8593 | 30.162 | 1.1875 | 29.997 | 1.1810 | 23.812 | 0.9375 | 0.8 | 0.03 | 0.8 | 0.03 | 98.6 | 89.3 | 13.3 | **3197** | **3130** | 20.3 | 0.80 | 41.5 | 1.63 | 40.5 | 1.59 | 63.0 | 2.48 | 67.0 | 2.64 | 0.33 | 1.80 | 0.99 | 23.0 | 13.1 | 1.76 |
| | 1.3125 | 73.025 | 2.8750 | 22.225 | 0.8750 | 23.812 | 0.9375 | 17.462 | 0.6875 | 3.6 | 0.14 | 0.8 | 0.03 | 80.3 | 78.1 | 11.5 | **2876** | **2821** | 16.3 | 0.64 | 46.0 | 1.81 | 40.0 | 1.57 | 65.0 | 2.56 | 68.0 | 2.68 | 0.37 | 1.63 | 0.89 | 18.6 | 11.7 | 1.59 |
| | 1.3125 | 73.025 | 2.8750 | 23.812 | 0.9375 | 25.654 | 1.0100 | 19.050 | 0.7500 | 1.6 | 0.06 | 0.8 | 0.03 | 92.6 | 92.2 | 13.8 | **2790R** | **2735X** | 15.9 | 0.63 | 42.0 | 1.65 | 40.0 | 1.57 | 66.0 | 2.60 | 69.0 | 2.72 | 0.30 | 1.98 | 1.09 | 21.5 | 11.1 | 1.93 |
| | 1.3125 | 73.025 | 2.8750 | 29.370 | 1.1563 | 27.783 | 1.0938 | 23.020 | 0.9063 | 0.8 | 0.03 | 3.2 | 0.13 | 93.0 | 101 | 14.2 | **HM88547** | **HM88510** | 23.4 | 0.92 | 45.5 | 1.79 | 42.6 | 1.68 | 59.0 | 2.32 | 70.0 | 2.76 | 0.55 | 1.10 | 0.60 | 21.7 | 20.3 | 1.07 |
| | 1.3125 | 74.612 | 2.9375 | 23.812 | 0.9375 | 25.654 | 1.0100 | 19.050 | 0.7500 | 3.6 | 0.14 | 0.8 | 0.03 | 92.6 | 92.2 | 13.8 | **2785R** | **2736** | 15.9 | 0.63 | 46.0 | 1.81 | 40.0 | 1.57 | 66.0 | 2.60 | 70.0 | 2.76 | 0.30 | 1.98 | 1.09 | 21.5 | 11.1 | 1.93 |
| | 1.3125 | 76.200 | 3.0000 | 19.000 | 0.7480 | 18.923 | 0.7450 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.6 | 0.06 | 69.8 | 60.0 | 8.85 | **26131** | **26300** | 14.3 | 0.56 | 44.5 | 1.75 | 38.5 | 1.52 | 64.0 | 2.52 | 67.0 | 2.64 | 0.36 | 1.67 | 0.92 | 16.1 | 9.90 | 1.62 |
| | 1.3125 | 76.200 | 3.0000 | 23.812 | 0.9375 | 25.654 | 1.0100 | 19.050 | 0.7500 | 3.6 | 0.14 | 0.8 | 0.03 | 92.6 | 92.2 | 13.8 | **2785R** | **2729** | 15.9 | 0.63 | 46.0 | 1.81 | 40.0 | 1.57 | 68.0 | 2.68 | 70.0 | 2.76 | 0.30 | 1.98 | 1.09 | 21.5 | 11.1 | 1.93 |
| | 1.3125 | 76.200 | 3.0000 | 29.370 | 1.1563 | 28.575 | 1.1250 | 23.020 | 0.9063 | 0.8 | 0.03 | 3.2 | 0.13 | 99.5 | 107 | 15.2 | **HM89443** | **HM89410** | 23.9 | 0.94 | 46.5 | 1.83 | 44.6 | 1.76 | 62.0 | 2.44 | 73.0 | 2.87 | 0.55 | 1.10 | 0.60 | 23.2 | 21.7 | 1.07 |
| | 1.3125 | 76.200 | 3.0000 | 29.370 | 1.1563 | 28.575 | 1.1250 | 23.812 | 0.9375 | 0.8 | 0.03 | 1.2 | 0.05 | 101 | 97.4 | 14.4 | **31590** | **31521** | 21.6 | 0.85 | 43.0 | 1.69 | 42.5 | 1.67 | 66.0 | 2.60 | 72.0 | 2.83 | 0.40 | 1.49 | 0.82 | 23.6 | 16.2 | 1.46 |
| | 1.3125 | 79.375 | 3.1250 | 29.370 | 1.1563 | 29.771 | 1.1721 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 109 | 105 | 15.7 | **3477** | **3420** | 20.8 | 0.82 | 47.5 | 1.87 | 41.0 | 1.61 | 67.0 | 2.64 | 74.0 | 2.91 | 0.37 | 1.64 | 0.90 | 25.5 | 15.9 | 1.60 |
| | 1.3125 | 79.375 | 3.1250 | 29.370 | 1.1563 | 29.771 | 1.1721 | 23.812 | 0.9375 | 0.8 | 0.03 | 3.2 | 0.13 | 109 | 105 | 15.7 | **3483** | **3420** | 20.8 | 0.82 | 41.0 | 1.61 | 41.0 | 1.61 | 67.0 | 2.64 | 74.0 | 2.91 | 0.37 | 1.64 | 0.90 | 25.5 | 15.9 | 1.60 |
| | 1.3125 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 0.8 | 0.03 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **335S** | **332** | 15.1 | 0.59 | 41.5 | 1.63 | 40.5 | 1.59 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.3125 | 80.167 | 3.1562 | 29.370 | 1.1563 | 29.771 | 1.1721 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 109 | 105 | 15.7 | **3477** | **3422** | 20.8 | 0.82 | 47.5 | 1.87 | 41.0 | 1.61 | 68.0 | 2.68 | 74.0 | 2.91 | 0.37 | 1.64 | 0.90 | 25.5 | 15.9 | 1.60 |

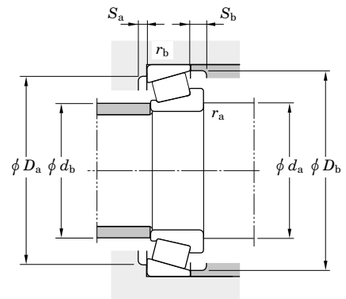
Nota 1) SP indica radio especial.

## Tipo TS

**$d$ 34.925 ~ (34.980) mm**

**1.3750 ~ (1.3772) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

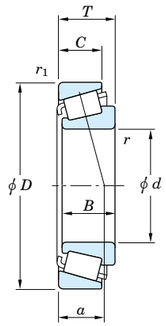
| Dimensiones Principales | | | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **34.925** | 1.3750 | 65.088 | 2.5625 | 18.034 | 0.7100 | 18.288 | 0.7200 | 13.970 | 0.5500 | SP[1] | SP[1] | 1.2 | 0.05 | 60.0 | 58.5 | 8.40 | **LM48548** | **LM48510** | 14.3 | 0.56 | 46.0 | 1.81 | 40.0 | 1.57 | 58.0 | 2.28 | 61.0 | 2.40 | 0.38 | 1.59 | 0.88 | 13.8 | 8.90 | 1.55 |
| | 1.3750 | 68.956 | 2.7148 | 19.845 | 0.7813 | 19.583 | 0.7710 | 15.875 | 0.6250 | 1.6 | 0.06 | 3.2 | 0.13 | 57.7 | 55.0 | 7.95 | **14137A** | **14274A** | 15.5 | 0.61 | 42.0 | 1.65 | 40.0 | 1.57 | 59.0 | 2.32 | 63.0 | 2.48 | 0.38 | 1.57 | 0.86 | 13.4 | 8.70 | 1.53 |
| | 1.3750 | 68.956 | 2.7148 | 19.845 | 0.7813 | 19.583 | 0.7710 | 15.875 | 0.6250 | 3.6 | 0.14 | 3.2 | 0.13 | 57.7 | 55.0 | 7.95 | **14138A** | **14274A** | 15.5 | 0.61 | 46.0 | 1.81 | 40.0 | 1.57 | 59.0 | 2.32 | 63.0 | 2.48 | 0.38 | 1.57 | 0.86 | 13.4 | 8.70 | 1.53 |
| | 1.3750 | 69.012 | 2.7170 | 26.982 | 1.0623 | 26.721 | 1.0520 | 15.875 | 0.6250 | 0.8 | 0.03 | 1.2 | 0.05 | 57.7 | 55.0 | 7.95 | **14136A** | **14276** | 22.6 | 0.89 | 40.0 | 1.57 | 38.0 | 1.50 | 60.0 | 2.36 | 63.0 | 2.48 | 0.38 | 1.57 | 0.86 | 13.4 | 8.70 | 1.53 |
| | 1.3750 | 72.233 | 2.8438 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.842 | 0.7812 | 2.4 | 0.09 | 2.4 | 0.09 | 83.8 | 87.4 | 12.4 | **HM88649** | **HM88610** | 20.7 | 0.81 | 48.5 | 1.91 | 42.5 | 1.67 | 60.0 | 2.36 | 69.0 | 2.72 | 0.55 | 1.10 | 0.60 | 19.6 | 18.3 | 1.07 |
| | 1.3750 | 72.238 | 2.8440 | 20.638 | 0.8125 | 20.638 | 0.8125 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.2 | 0.05 | 62.3 | 61.3 | 8.90 | **16137** | **16284** | 16.6 | 0.65 | 46.5 | 1.83 | 40.5 | 1.59 | 63.0 | 2.48 | 67.0 | 2.64 | 0.40 | 1.49 | 0.82 | 14.4 | 9.90 | 1.46 |
| | 1.3750 | 73.025 | 2.8750 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 3.6 | 0.14 | 3.2 | 0.13 | 68.8 | 65.7 | 9.55 | **02877** | **02820** | 18.4 | 0.72 | 48.5 | 1.91 | 42.0 | 1.65 | 62.0 | 2.44 | 68.0 | 2.68 | 0.45 | 1.32 | 0.73 | 16.0 | 12.4 | 1.29 |
| | 1.3750 | 73.025 | 2.8750 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 3.6 | 0.14 | 0.8 | 0.03 | 68.8 | 65.7 | 9.55 | **02877** | **02830** | 18.4 | 0.72 | 48.5 | 1.91 | 42.0 | 1.65 | 64.0 | 2.52 | 69.0 | 2.72 | 0.45 | 1.32 | 0.73 | 16.0 | 12.4 | 1.29 |
| | 1.3750 | 73.025 | 2.8750 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 0.8 | 0.03 | 3.2 | 0.13 | 68.8 | 65.7 | 9.55 | **02878** | **02820** | 18.4 | 0.72 | 42.5 | 1.67 | 42.0 | 1.65 | 62.0 | 2.44 | 68.0 | 2.68 | 0.45 | 1.32 | 0.73 | 16.0 | 12.4 | 1.29 |
| | 1.3750 | 73.025 | 2.8750 | 22.225 | 0.8750 | 23.812 | 0.9375 | 17.462 | 0.6875 | 3.6 | 0.14 | 3.2 | 0.13 | 80.3 | 78.1 | 11.5 | **2877** | **2820** | 16.3 | 0.64 | 47.5 | 1.87 | 41.0 | 1.61 | 62.0 | 2.44 | 68.0 | 2.68 | 0.37 | 1.63 | 0.89 | 18.6 | 11.7 | 1.59 |
| | 1.3750 | 73.025 | 2.8750 | 22.225 | 0.8750 | 23.812 | 0.9375 | 17.462 | 0.6875 | 0.8 | 0.03 | 0.8 | 0.03 | 80.3 | 78.1 | 11.5 | **2878** | **2821** | 16.3 | 0.64 | 42.5 | 1.67 | 41.0 | 1.61 | 65.0 | 2.56 | 68.0 | 2.68 | 0.37 | 1.63 | 0.89 | 18.6 | 11.7 | 1.59 |
| | 1.3750 | 73.025 | 2.8750 | 23.812 | 0.9375 | 24.608 | 0.9688 | 19.050 | 0.7500 | 1.6 | 0.06 | 0.8 | 0.03 | 90.1 | 87.3 | 13.1 | **25877R** | **25821** | 15.8 | 0.62 | 43.0 | 1.69 | 40.5 | 1.59 | 65.0 | 2.56 | 68.0 | 2.68 | 0.29 | 2.07 | 1.14 | 20.9 | 10.4 | 2.02 |
| | 1.3750 | 73.025 | 2.8750 | 23.812 | 0.9375 | 24.608 | 0.9688 | 19.050 | 0.7500 | 3.6 | 0.14 | 2.4 | 0.09 | 90.1 | 87.3 | 13.1 | **25878R** | **25820** | 15.8 | 0.62 | 47.0 | 1.85 | 40.5 | 1.59 | 64.0 | 2.52 | 68.0 | 2.68 | 0.29 | 2.07 | 1.14 | 20.9 | 10.4 | 2.02 |
| | 1.3750 | 73.025 | 2.8750 | 23.812 | 0.9375 | 25.654 | 1.0100 | 19.050 | 0.7500 | 5.2 | 0.20 | 0.8 | 0.03 | 92.6 | 92.2 | 13.8 | **2786R** | **2735X** | 15.9 | 0.63 | 51.0 | 2.01 | 41.0 | 1.61 | 66.0 | 2.60 | 69.0 | 2.72 | 0.30 | 1.98 | 1.09 | 21.5 | 11.1 | 1.93 |
| | 1.3750 | 73.025 | 2.8750 | 26.988 | 1.0625 | 26.975 | 1.0620 | 22.225 | 0.8750 | 3.6 | 0.14 | 1.6 | 0.06 | 97.2 | 94.1 | 13.9 | **23690** | **23620** | 18.8 | 0.74 | 49.0 | 1.93 | 42.0 | 1.65 | 64.0 | 2.52 | 68.0 | 2.68 | 0.37 | 1.62 | 0.89 | 22.6 | 14.2 | 1.58 |
| | 1.3750 | 76.200 | 3.0000 | 20.638 | 0.8125 | 20.940 | 0.8244 | 15.507 | 0.6105 | 1.6 | 0.06 | 1.2 | 0.05 | 71.6 | 65.9 | 9.70 | **28137** | **28300** | 16.5 | 0.65 | 43.5 | 1.71 | 41.0 | 1.61 | 68.0 | 2.68 | 71.0 | 2.80 | 0.40 | 1.49 | 0.82 | 16.5 | 11.3 | 1.46 |
| | 1.3750 | 76.200 | 3.0000 | 23.812 | 0.9375 | 25.654 | 1.0100 | 19.050 | 0.7500 | 0.8 | 0.03 | 1.6 | 0.06 | 92.6 | 92.2 | 13.8 | **2793R** | **2729X** | 15.9 | 0.63 | 42.0 | 1.65 | 41.0 | 1.61 | 67.0 | 2.64 | 70.0 | 2.76 | 0.30 | 1.98 | 1.09 | 21.5 | 11.1 | 1.93 |
| | 1.3750 | 76.200 | 3.0000 | 23.812 | 0.9375 | 25.654 | 1.0100 | 19.050 | 0.7500 | 3.6 | 0.14 | 3.2 | 0.13 | 92.6 | 92.2 | 13.8 | **2796R** | **2720** | 15.9 | 0.63 | 47.5 | 1.87 | 41.0 | 1.61 | 66.0 | 2.60 | 70.0 | 2.76 | 0.30 | 1.98 | 1.09 | 21.5 | 11.1 | 1.93 |
| | 1.3750 | 76.200 | 3.0000 | 29.370 | 1.1563 | 28.575 | 1.1250 | 23.020 | 0.9063 | 3.6 | 0.14 | 0.8 | 0.03 | 99.5 | 107 | 15.2 | **HM89446** | **HM89411** | 23.9 | 0.94 | 53.0 | 2.09 | 44.5 | 1.75 | 65.0 | 2.56 | 73.0 | 2.87 | 0.55 | 1.10 | 0.60 | 23.2 | 21.7 | 1.07 |
| | 1.3750 | 76.200 | 3.0000 | 29.370 | 1.1563 | 28.575 | 1.1250 | 23.812 | 0.9375 | 3.6 | 0.14 | 1.2 | 0.05 | 101 | 97.4 | 14.4 | **31593** | **31521** | 21.6 | 0.85 | 50.0 | 1.97 | 43.5 | 1.71 | 66.0 | 2.60 | 72.0 | 2.83 | 0.40 | 1.49 | 0.82 | 23.6 | 16.2 | 1.46 |
| | 1.3750 | 76.200 | 3.0000 | 29.370 | 1.1563 | 28.575 | 1.1250 | 23.812 | 0.9375 | 1.6 | 0.06 | 3.2 | 0.13 | 101 | 97.4 | 14.4 | **31594** | **31520** | 21.6 | 0.85 | 46.0 | 1.81 | 43.5 | 1.71 | 64.0 | 2.52 | 72.0 | 2.83 | 0.40 | 1.49 | 0.82 | 23.6 | 16.2 | 1.46 |
| | 1.3750 | 79.375 | 3.1250 | 29.370 | 1.1563 | 29.771 | 1.1721 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 109 | 105 | 15.7 | **3478** | **3420** | 20.8 | 0.82 | 50.0 | 1.97 | 43.5 | 1.71 | 67.0 | 2.64 | 74.0 | 2.91 | 0.37 | 1.64 | 0.90 | 25.5 | 15.9 | 1.60 |
| | 1.3750 | 79.375 | 3.1250 | 29.370 | 1.1563 | 29.771 | 1.1721 | 23.812 | 0.9375 | 0.8 | 0.03 | 3.2 | 0.13 | 109 | 105 | 15.7 | **3482** | **3420** | 20.8 | 0.82 | 44.0 | 1.73 | 43.5 | 1.71 | 67.0 | 2.64 | 74.0 | 2.91 | 0.37 | 1.64 | 0.90 | 25.5 | 15.9 | 1.60 |
| | 1.3750 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 0.8 | 0.03 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **335** | **332** | 15.1 | 0.59 | 42.5 | 1.67 | 41.5 | 1.63 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.3750 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 1.2 | 0.05 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **340** | **332** | 15.1 | 0.59 | 43.5 | 1.71 | 41.5 | 1.63 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.3750 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 3.6 | 0.14 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **343** | **332** | 15.1 | 0.59 | 47.5 | 1.87 | 41.5 | 1.63 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.3750 | 80.000 | 3.1496 | 24.176 | 0.9518 | 22.403 | 0.8820 | 21.000 | 0.8268 | 0.8 | 0.03 | 2.4 | 0.09 | 85.0 | 74.8 | 11.4 | **335** | **332A** | 18.3 | 0.72 | 42.5 | 1.67 | 41.5 | 1.63 | 71.0 | 2.80 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.3750 | 80.000 | 3.1496 | 24.176 | 0.9518 | 22.403 | 0.8820 | 21.000 | 0.8268 | 3.6 | 0.14 | 2.4 | 0.09 | 85.0 | 74.8 | 11.4 | **343** | **332A** | 18.3 | 0.72 | 47.5 | 1.87 | 41.5 | 1.63 | 71.0 | 2.80 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.3750 | 80.000 | 3.1496 | 29.370 | 1.1563 | 30.391 | 1.1965 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 114 | 106 | 16.2 | **3379** | **3325** | 18.7 | 0.74 | 48.0 | 1.89 | 41.5 | 1.63 | 70.0 | 2.76 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 26.6 | 12.4 | 2.14 |
| | 1.3750 | 80.035 | 3.1510 | 24.608 | 0.9688 | 23.698 | 0.9330 | 18.512 | 0.7288 | 0.8 | 0.03 | 1.6 | 0.06 | 91.6 | 91.6 | 13.3 | **27875** | **27820** | 22.2 | 0.87 | 45.5 | 1.79 | 44.5 | 1.75 | 68.0 | 2.68 | 75.0 | 2.95 | 0.56 | 1.07 | 0.59 | 21.2 | 20.3 | 1.04 |
| | 1.3750 | 85.725 | 3.3750 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 3.6 | 0.14 | 1.2 | 0.05 | 135 | 136 | 20.3 | **3872** | **3821** | 22.9 | 0.90 | 53.0 | 2.09 | 46.0 | 1.81 | 75.0 | 2.95 | 81.0 | 3.19 | 0.40 | 1.49 | 0.82 | 31.5 | 21.7 | 1.46 |
| | 1.3750 | 85.725 | 3.3750 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 0.8 | 0.03 | 3.2 | 0.13 | 135 | 136 | 20.3 | **3872A** | **3820** | 22.9 | 0.90 | 46.0 | 1.81 | 46.0 | 1.81 | 73.0 | 2.87 | 81.0 | 3.19 | 0.40 | 1.49 | 0.82 | 31.5 | 21.7 | 1.46 |
| | 1.3750 | 87.312 | 3.4375 | 30.162 | 1.1875 | 30.886 | 1.2160 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 120 | 120 | 18.2 | **3581R** | **3525** | 20.5 | 0.81 | 48.0 | 1.89 | 45.5 | 1.79 | 75.0 | 2.95 | 81.0 | 3.19 | 0.31 | 1.96 | 1.08 | 27.9 | 14.6 | 1.91 |
| | 1.3750 | 88.501 | 3.4843 | 26.988 | 1.0625 | 29.083 | 1.1450 | 22.225 | 0.8750 | 0.8 | 0.03 | 1.6 | 0.06 | 123 | 112 | 17.2 | **417** | **414** | 16.9 | 0.67 | 42.5 | 1.67 | 42.0 | 1.65 | 77.0 | 3.03 | 80.0 | 3.15 | 0.26 | 2.28 | 1.25 | 28.6 | 12.9 | 2.22 |
| | 1.3750 | 90.488 | 3.5625 | 39.688 | 1.5625 | 40.386 | 1.5900 | 33.338 | 1.3125 | 3.6 | 0.14 | 3.2 | 0.13 | 166 | 169 | 25.9 | **4368** | **4335** | 25.6 | 1.01 | 51.0 | 2.01 | 46.0 | 1.81 | 77.0 | 3.03 | 85.0 | 3.35 | 0.28 | 2.11 | 1.16 | 38.8 | 18.9 | 2.06 |
| | 1.3750 | 95.250 | 3.7500 | 27.783 | 1.0938 | 29.901 | 1.1772 | 22.225 | 0.8750 | 0.8 | 0.03 | 2.4 | 0.09 | 129 | 122 | 18.8 | **449** | **432** | 18.4 | 0.72 | 44.0 | 1.73 | 43.5 | 1.71 | 83.0 | 3.27 | 87.0 | 3.43 | 0.28 | 2.11 | 1.16 | 30.0 | 14.6 | 2.06 |
| **34.976** | 1.3770 | 68.262 | 2.6875 | 15.875 | 0.6250 | 16.520 | 0.6504 | 11.908 | 0.4688 | 1.6 | 0.06 | 1.6 | 0.06 | 57.6 | 53.8 | 7.70 | **19138R** | **19268** | 14.5 | 0.57 | 42.5 | 1.67 | 40.5 | 1.59 | 61.0 | 2.40 | 65.0 | 2.56 | 0.44 | 1.35 | 0.74 | 13.2 | 10.0 | 1.32 |
| | 1.3770 | 68.956 | 2.7148 | 19.845 | 0.7813 | 19.583 | 0.7710 | 15.875 | 0.6250 | 1.2 | 0.05 | 3.2 | 0.13 | 57.7 | 55.0 | 7.95 | **14139** | **14274A** | 15.5 | 0.61 | 41.5 | 1.63 | 40.0 | 1.57 | 59.0 | 2.32 | 63.0 | 2.48 | 0.38 | 1.57 | 0.86 | 13.4 | 8.70 | 1.53 |
| | 1.3770 | 80.000 | 3.1496 | 21.006 | 0.8270 | 20.940 | 0.8244 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.6 | 0.06 | 71.6 | 65.9 | 9.70 | **28138** | **28315** | 16.5 | 0.65 | 43.5 | 1.71 | 41.0 | 1.61 | 69.0 | 2.72 | 73.0 | 2.87 | 0.40 | 1.49 | 0.82 | 16.5 | 11.3 | 1.46 |
| **34.980** | 1.3772 | 59.131 | 2.3280 | 15.875 | 0.6250 | 16.764 | 0.6600 | 11.938 | 0.4700 | SP[1] | SP[1] | 1.2 | 0.05 | 44.9 | 48.5 | 6.85 | **L68149** | **L68110** | 13.2 | 0.52 | 45.5 | 1.79 | 39.0 | 1.54 | 53.0 | 2.09 | 56.0 | 2.20 | 0.42 | 1.44 | 0.79 | 10.3 | 7.35 | 1.41 |

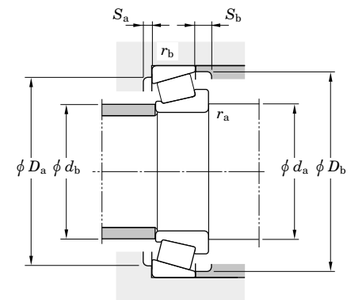
Nota 1) SP indica radio especial.

## Tipo TS

**$d$ (34.980) ~ (36.512) mm**

**(1.3772) ~ (1.4375) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

| Dimensiones Principales | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **34.980** | 1.3772 | 59.975 | 2.3612 | 15.875 | 0.6250 | 16.764 | 0.6600 | 11.938 | 0.4700 | SP[1] | SP[1] | 1.2 | 0.05 | 44.9 | 48.5 | 6.85 | **L68149** | **L68111** | 13.2 | 0.52 | 45.5 | 1.79 | 39.0 | 1.54 | 53.0 | 2.09 | 56.0 | 2.20 | 0.42 | 1.44 | 0.79 | 10.3 | 7.35 | 1.41 |
| **34.988** | 1.3775 | 61.973 | 2.4399 | 16.700 | 0.6575 | 17.000 | 0.6693 | 13.599 | 0.5354 | SP[1] | SP[1] | 1.0 | 0.04 | 51.2 | 52.8 | 7.45 | **LM78349** | **LM78310** | 14.5 | 0.57 | 46.0 | 1.81 | 40.0 | 1.57 | 54.0 | 2.13 | 59.0 | 2.32 | 0.44 | 1.35 | 0.74 | 11.8 | 8.95 | 1.32 |
| | 1.3775 | 65.987 | 2.5979 | 20.638 | 0.8125 | 20.638 | 0.8125 | 16.670 | 0.6563 | 3.6 | 0.14 | 2.4 | 0.09 | 70.7 | 67.0 | 10.3 | **M38547** | **M38511** | 15.1 | 0.59 | 46.0 | 1.81 | 39.5 | 1.56 | 59.0 | 2.32 | 62.0 | 2.44 | 0.35 | 1.70 | 0.93 | 15.7 | 9.50 | 1.66 |
| **35.000** | 1.3780 | 73.025 | 2.8750 | 26.988 | 1.0625 | 26.975 | 1.0620 | 22.225 | 0.8750 | 3.6 | 0.14 | 0.8 | 0.03 | 97.2 | 94.1 | 13.9 | **23691** | **23621** | 18.8 | 0.74 | 49.0 | 1.93 | 42.0 | 1.65 | 63.0 | 2.48 | 68.0 | 2.68 | 0.37 | 1.62 | 0.89 | 22.6 | 14.2 | 1.58 |
| | 1.3780 | 77.788 | 3.0625 | 26.988 | 1.0625 | 26.975 | 1.0620 | 22.225 | 0.8750 | 3.6 | 0.14 | 0.8 | 0.03 | 97.2 | 94.1 | 13.9 | **23691** | **23623** | 18.8 | 0.74 | 49.0 | 1.93 | 42.0 | 1.65 | 65.0 | 2.56 | 71.0 | 2.80 | 0.37 | 1.62 | 0.89 | 22.6 | 14.2 | 1.58 |
| | 1.3780 | 79.375 | 3.1250 | 23.812 | 0.9375 | 25.400 | 1.0000 | 19.050 | 0.7500 | 0.8 | 0.03 | 0.8 | 0.03 | 101 | 105 | 15.8 | **26883R** | **26822** | 16.4 | 0.65 | 42.5 | 1.67 | 42.0 | 1.65 | 71.0 | 2.80 | 74.0 | 2.91 | 0.32 | 1.88 | 1.04 | 23.5 | 12.8 | 1.83 |
| | 1.3780 | 79.375 | 3.1250 | 29.370 | 1.1563 | 29.771 | 1.1721 | 23.812 | 0.9375 | 1.6 | 0.06 | 3.2 | 0.13 | 109 | 105 | 15.7 | **3480** | **3420** | 20.8 | 0.82 | 44.5 | 1.75 | 42.5 | 1.67 | 67.0 | 2.64 | 74.0 | 2.91 | 0.37 | 1.64 | 0.90 | 25.5 | 15.9 | 1.60 |
| | 1.3780 | 79.375 | 3.1250 | 29.370 | 1.1563 | 29.771 | 1.1721 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 109 | 105 | 15.7 | **3492X** | **3420** | 20.8 | 0.82 | 49.0 | 1.93 | 44.0 | 1.73 | 67.0 | 2.64 | 74.0 | 2.91 | 0.37 | 1.64 | 0.90 | 25.5 | 15.9 | 1.60 |
| | 1.3780 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 0.8 | 0.03 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **339** | **332** | 15.1 | 0.59 | 42.5 | 1.67 | 41.5 | 1.63 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.3780 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 2.0 | 0.08 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **339X** | **332** | 15.1 | 0.59 | 45.5 | 1.79 | 41.5 | 1.63 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.3780 | 80.000 | 3.1496 | 24.176 | 0.9518 | 22.403 | 0.8820 | 21.000 | 0.8268 | 0.8 | 0.03 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **339** | **332A** | 18.3 | 0.72 | 42.5 | 1.67 | 41.5 | 1.63 | 71.0 | 2.80 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.3780 | 80.167 | 3.1562 | 25.400 | 1.0000 | 25.400 | 1.0000 | 20.638 | 0.8125 | 0.8 | 0.03 | 3.2 | 0.13 | 101 | 105 | 15.8 | **26883R** | **26820** | 18.0 | 0.71 | 42.5 | 1.67 | 42.0 | 1.65 | 69.0 | 2.72 | 74.0 | 2.91 | 0.32 | 1.88 | 1.04 | 23.5 | 12.8 | 1.83 |
| | 1.3780 | 88.501 | 3.4843 | 26.988 | 1.0625 | 29.083 | 1.1450 | 22.225 | 0.8750 | 0.8 | 0.03 | 1.6 | 0.06 | 123 | 112 | 17.2 | **421** | **414** | 16.9 | 0.67 | 42.5 | 1.67 | 42.0 | 1.65 | 77.0 | 3.03 | 80.0 | 3.15 | 0.26 | 2.28 | 1.25 | 28.6 | 12.9 | 2.22 |
| | 1.3780 | 88.501 | 3.4843 | 26.988 | 1.0625 | 29.083 | 1.1450 | 22.225 | 0.8750 | 0.8 | 0.03 | 3.2 | 0.13 | 123 | 112 | 17.2 | **421** | **414A** | 16.9 | 0.67 | 42.5 | 1.67 | 42.0 | 1.65 | 76.0 | 2.99 | 79.0 | 3.11 | 0.26 | 2.28 | 1.25 | 28.6 | 12.9 | 2.22 |
| | 1.3780 | 95.250 | 3.7500 | 27.783 | 1.0938 | 29.901 | 1.1772 | 22.225 | 0.8750 | 3.6 | 0.14 | 2.4 | 0.09 | 129 | 122 | 18.8 | **441** | **432** | 18.4 | 0.72 | 49.0 | 1.93 | 43.5 | 1.71 | 83.0 | 3.27 | 87.0 | 3.43 | 0.28 | 2.11 | 1.16 | 30.0 | 14.6 | 2.06 |
| **35.306** | 1.3900 | 73.025 | 2.8750 | 22.225 | 0.8750 | 23.812 | 0.9375 | 17.462 | 0.6875 | 3.6 | 0.14 | 3.2 | 0.13 | 80.3 | 78.1 | 11.5 | **2880** | **2820** | 16.3 | 0.64 | 48.0 | 1.89 | 42.0 | 1.65 | 62.0 | 2.44 | 68.0 | 2.68 | 0.37 | 1.63 | 0.89 | 18.6 | 11.7 | 1.59 |
| **35.717** | 1.4062 | 72.233 | 2.8438 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.842 | 0.7812 | 3.6 | 0.14 | 2.4 | 0.09 | 83.8 | 87.4 | 12.4 | **HM88648** | **HM88610** | 20.7 | 0.81 | 52.0 | 2.05 | 42.5 | 1.67 | 60.0 | 2.36 | 69.0 | 2.72 | 0.55 | 1.10 | 0.60 | 19.6 | 18.3 | 1.07 |
| **36.449** | 1.4350 | 73.025 | 2.8750 | 22.225 | 0.8750 | 22.225 | 0.8750 | 17.462 | 0.6875 | 0.8 | 0.03 | 3.2 | 0.13 | 68.8 | 65.7 | 9.55 | **02884** | **02820** | 18.4 | 0.72 | 44.5 | 1.75 | 42.0 | 1.65 | 62.0 | 2.44 | 69.0 | 2.72 | 0.45 | 1.32 | 0.73 | 16.0 | 12.4 | 1.29 |
| **36.487** | 1.4365 | 73.025 | 2.8750 | 23.812 | 0.9375 | 24.608 | 0.9688 | 19.050 | 0.7500 | 1.6 | 0.06 | 0.8 | 0.03 | 90.1 | 87.3 | 13.1 | **25880R** | **25821** | 15.8 | 0.62 | 44.0 | 1.73 | 42.0 | 1.65 | 65.0 | 2.56 | 68.0 | 2.68 | 0.29 | 2.07 | 1.14 | 20.9 | 10.4 | 2.02 |
| | 1.4365 | 73.025 | 2.8750 | 23.812 | 0.9375 | 25.654 | 1.0100 | 19.050 | 0.7500 | 1.6 | 0.06 | 0.8 | 0.03 | 92.6 | 92.2 | 13.8 | **2780R** | **2735X** | 15.9 | 0.63 | 44.5 | 1.75 | 42.5 | 1.67 | 66.0 | 2.60 | 69.0 | 2.72 | 0.30 | 1.98 | 1.09 | 21.5 | 11.1 | 1.93 |
| | 1.4365 | 73.025 | 2.8750 | 23.812 | 0.9375 | 25.654 | 1.0100 | 19.050 | 0.7500 | 3.6 | 0.14 | 0.8 | 0.03 | 92.6 | 92.2 | 13.8 | **2794R** | **2735X** | 15.9 | 0.63 | 49.0 | 1.93 | 42.5 | 1.67 | 66.0 | 2.60 | 69.0 | 2.72 | 0.30 | 1.98 | 1.09 | 21.5 | 11.1 | 1.93 |
| | 1.4365 | 79.375 | 3.1250 | 25.400 | 1.0000 | 25.654 | 1.0100 | 20.638 | 0.8125 | 1.6 | 0.06 | 3.2 | 0.13 | 92.6 | 92.2 | 13.8 | **2780R** | **2734** | 17.5 | 0.69 | 44.5 | 1.75 | 42.5 | 1.67 | 68.0 | 2.68 | 70.0 | 2.76 | 0.30 | 1.98 | 1.09 | 21.5 | 11.1 | 1.93 |
| | 1.4365 | 80.167 | 3.1562 | 29.370 | 1.1563 | 30.391 | 1.1965 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 114 | 106 | 16.2 | **3378** | **3320** | 18.7 | 0.74 | 49.0 | 1.93 | 44.5 | 1.75 | 70.0 | 2.76 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 26.6 | 12.4 | 2.14 |
| | 1.4365 | 81.755 | 3.2187 | 29.370 | 1.1563 | 30.391 | 1.1965 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 114 | 106 | 16.2 | **3378** | **3329** | 18.7 | 0.74 | 49.0 | 1.93 | 44.5 | 1.75 | 71.0 | 2.80 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 26.6 | 12.4 | 2.14 |
| **36.512** | 1.4375 | 68.262 | 2.6875 | 15.875 | 0.6250 | 16.520 | 0.6504 | 11.908 | 0.4688 | 1.6 | 0.06 | 1.6 | 0.06 | 57.6 | 53.8 | 7.70 | **19143R** | **19268** | 14.5 | 0.57 | 44.0 | 1.73 | 42.0 | 1.65 | 61.0 | 2.40 | 65.0 | 2.56 | 0.44 | 1.35 | 0.74 | 13.2 | 10.0 | 1.32 |
| | 1.4375 | 69.012 | 2.7170 | 19.050 | 0.7500 | 19.050 | 0.7500 | 15.083 | 0.5938 | 3.6 | 0.14 | 0.8 | 0.03 | 61.7 | 62.0 | 8.95 | **13682** | **13620** | 16.1 | 0.63 | 48.0 | 1.89 | 41.5 | 1.63 | 62.0 | 2.44 | 65.0 | 2.56 | 0.40 | 1.49 | 0.82 | 14.2 | 9.75 | 1.46 |
| | 1.4375 | 71.438 | 2.8125 | 15.875 | 0.6250 | 16.520 | 0.6504 | 11.908 | 0.4688 | 1.6 | 0.06 | 1.0 | 0.04 | 57.6 | 53.8 | 7.70 | **19143R** | **19281** | 14.5 | 0.57 | 44.0 | 1.73 | 42.0 | 1.65 | 63.0 | 2.48 | 66.0 | 2.60 | 0.44 | 1.35 | 0.74 | 13.2 | 10.0 | 1.32 |
| | 1.4375 | 71.996 | 2.8345 | 17.018 | 0.6700 | 16.520 | 0.6504 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.6 | 0.06 | 57.6 | 53.8 | 7.70 | **19143R** | **19283** | 15.7 | 0.62 | 44.0 | 1.73 | 42.0 | 1.65 | 63.0 | 2.48 | 66.0 | 2.60 | 0.44 | 1.35 | 0.74 | 13.2 | 10.0 | 1.32 |
| | 1.4375 | 71.996 | 2.8345 | 19.000 | 0.7480 | 20.638 | 0.8125 | 14.237 | 0.5605 | 3.6 | 0.14 | 1.6 | 0.06 | 62.3 | 61.3 | 8.90 | **16143** | **16282** | 15.0 | 0.59 | 48.5 | 1.91 | 42.0 | 1.65 | 63.0 | 2.48 | 67.0 | 2.64 | 0.40 | 1.49 | 0.82 | 14.4 | 9.90 | 1.46 |
| | 1.4375 | 72.238 | 2.8440 | 20.638 | 0.8125 | 20.638 | 0.8125 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.2 | 0.05 | 62.3 | 61.3 | 8.90 | **16143** | **16284** | 16.6 | 0.65 | 48.5 | 1.91 | 42.0 | 1.65 | 63.0 | 2.48 | 67.0 | 2.64 | 0.40 | 1.49 | 0.82 | 14.4 | 9.90 | 1.46 |
| | 1.4375 | 76.200 | 3.0000 | 29.370 | 1.1563 | 28.575 | 1.1250 | 23.020 | 0.9063 | 0.8 | 0.03 | 0.8 | 0.03 | 99.5 | 107 | 15.2 | **HM89448** | **HM89411** | 23.9 | 0.94 | 48.5 | 1.91 | 44.5 | 1.75 | 65.0 | 2.56 | 73.0 | 2.87 | 0.55 | 1.10 | 0.60 | 23.2 | 21.7 | 1.07 |
| | 1.4375 | 76.200 | 3.0000 | 29.370 | 1.1563 | 28.575 | 1.1250 | 23.020 | 0.9063 | 3.6 | 0.14 | 0.8 | 0.03 | 99.5 | 107 | 15.2 | **HM89449** | **HM89411** | 23.9 | 0.94 | 54.0 | 2.13 | 44.5 | 1.75 | 65.0 | 2.56 | 73.0 | 2.87 | 0.55 | 1.10 | 0.60 | 23.2 | 21.7 | 1.07 |
| | 1.4375 | 76.200 | 3.0000 | 29.370 | 1.1563 | 28.575 | 1.1250 | 23.812 | 0.9375 | 3.6 | 0.14 | 1.2 | 0.05 | 101 | 97.4 | 14.4 | **31597** | **31521** | 21.6 | 0.85 | 51.0 | 2.01 | 44.5 | 1.75 | 66.0 | 2.60 | 72.0 | 2.83 | 0.40 | 1.49 | 0.82 | 23.6 | 16.2 | 1.46 |
| | 1.4375 | 79.375 | 3.1250 | 23.812 | 0.9375 | 25.400 | 1.0000 | 19.050 | 0.7500 | 0.8 | 0.03 | 0.8 | 0.03 | 101 | 105 | 15.8 | **26877R** | **26822** | 16.4 | 0.65 | 44.0 | 1.73 | 43.0 | 1.69 | 71.0 | 2.80 | 74.0 | 2.91 | 0.32 | 1.88 | 1.04 | 23.5 | 12.8 | 1.83 |
| | 1.4375 | 79.375 | 3.1250 | 29.370 | 1.1563 | 29.771 | 1.1721 | 23.812 | 0.9375 | 0.8 | 0.03 | 3.2 | 0.13 | 109 | 105 | 15.7 | **3479** | **3420** | 20.8 | 0.82 | 45.5 | 1.79 | 44.5 | 1.75 | 67.0 | 2.64 | 74.0 | 2.91 | 0.37 | 1.64 | 0.90 | 25.5 | 15.9 | 1.60 |
| | 1.4375 | 82.550 | 3.2500 | 23.812 | 0.9375 | 25.400 | 1.0000 | 19.050 | 0.7500 | 3.6 | 0.14 | 2.0 | 0.08 | 96.8 | 100 | 15.1 | **25570** | **25519** | 17.5 | 0.69 | 51.0 | 2.01 | 45.0 | 1.77 | 73.0 | 2.87 | 77.0 | 3.03 | 0.33 | 1.79 | 0.99 | 22.5 | 12.9 | 1.75 |
| | 1.4375 | 85.725 | 3.3750 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 0.8 | 0.03 | 3.2 | 0.13 | 135 | 136 | 20.3 | **3878** | **3820** | 22.9 | 0.90 | 48.0 | 1.89 | 47.0 | 1.85 | 73.0 | 2.87 | 81.0 | 3.19 | 0.40 | 1.49 | 0.82 | 31.5 | 21.7 | 1.46 |
| | 1.4375 | 88.501 | 3.4843 | 26.988 | 1.0625 | 29.083 | 1.1450 | 22.225 | 0.8750 | 2.4 | 0.09 | 1.6 | 0.06 | 123 | 112 | 17.2 | **424X** | **414** | 16.9 | 0.67 | 47.5 | 1.87 | 43.0 | 1.69 | 77.0 | 3.03 | 80.0 | 3.15 | 0.26 | 2.28 | 1.25 | 28.6 | 12.9 | 2.22 |

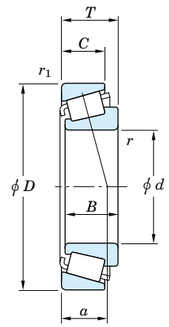
Nota 1) SP indica radio especial.

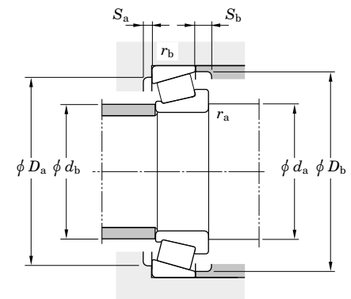
Koyo

## Tipo TS

**$d$ (36.512) ~ (38.100) mm**

**(1.4375) ~ (1.5000) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

| Dimensiones Principales | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **36.512** | 1.4375 | 93.662 | 3.6875 | 31.750 | 1.2500 | 31.750 | 1.2500 | 26.195 | 1.0313 | 1.6 | 0.06 | 3.2 | 0.13 | 132 | 134 | 20.2 | **46143** | **46368** | 24.0 | 0.94 | 49.0 | 1.93 | 47.5 | 1.87 | 79.0 | 3.11 | 87.0 | 3.43 | 0.40 | 1.49 | 0.82 | 30.8 | 21.1 | 1.46 |
| | 1.4375 | 93.662 | 3.6875 | 31.750 | 1.2500 | 31.750 | 1.2500 | 26.195 | 1.0313 | 1.6 | 0.06 | 1.2 | 0.05 | 132 | 134 | 20.2 | **46143** | **46369** | 24.0 | 0.94 | 49.0 | 1.93 | 47.5 | 1.87 | 79.0 | 3.11 | 87.0 | 3.43 | 0.40 | 1.49 | 0.82 | 30.8 | 21.1 | 1.46 |
| **38.100** | 1.5000 | 63.500 | 2.5000 | 12.700 | 0.5000 | 11.908 | 0.4688 | 9.525 | 0.3750 | 1.6 | 0.06 | 0.8 | 0.03 | 32.1 | 33.1 | 4.60 | **13889** | **13830** | 11.9 | 0.47 | 45.0 | 1.77 | 42.5 | 1.67 | 59.0 | 2.32 | 60.0 | 2.36 | 0.35 | 1.73 | 0.95 | 7.30 | 4.30 | 1.69 |
| | 1.5000 | 65.088 | 2.5625 | 12.700 | 0.5000 | 11.908 | 0.4688 | 9.525 | 0.3750 | 1.6 | 0.06 | 0.8 | 0.03 | 32.1 | 33.1 | 4.60 | **13889** | **13836** | 11.9 | 0.47 | 45.0 | 1.77 | 42.5 | 1.67 | 59.0 | 2.32 | 61.0 | 2.40 | 0.35 | 1.73 | 0.95 | 7.30 | 4.30 | 1.69 |
| | 1.5000 | 65.088 | 2.5625 | 18.034 | 0.7100 | 18.288 | 0.7200 | 13.970 | 0.5500 | SP[1)] | SP[1)] | 1.2 | 0.05 | 53.9 | 56.5 | 8.15 | **LM29748** | **LM29710** | 13.8 | 0.54 | 49.0 | 1.93 | 42.5 | 1.67 | 59.0 | 2.32 | 62.0 | 2.44 | 0.33 | 1.80 | 0.99 | 12.4 | 7.05 | 1.76 |
| | 1.5000 | 65.088 | 2.5625 | 19.812 | 0.7800 | 18.288 | 0.7200 | 15.748 | 0.6200 | 2.4 | 0.09 | 1.2 | 0.05 | 53.9 | 56.5 | 8.15 | **LM29749** | **LM29711** | 15.6 | 0.61 | 46.0 | 1.81 | 42.5 | 1.67 | 58.0 | 2.28 | 62.0 | 2.44 | 0.33 | 1.80 | 0.99 | 12.4 | 7.05 | 1.76 |
| | 1.5000 | 68.262 | 2.6875 | 19.997 | 0.7873 | 16.520 | 0.6504 | 16.030 | 0.6311 | 1.6 | 0.06 | 1.6 | 0.06 | 57.6 | 53.8 | 7.70 | **19150R** | **19269** | 18.6 | 0.73 | 45.0 | 1.77 | 43.0 | 1.69 | 63.0 | 2.48 | 66.0 | 2.60 | 0.44 | 1.35 | 0.74 | 13.2 | 10.0 | 1.32 |
| | 1.5000 | 68.275 | 2.6880 | 20.000 | 0.7874 | 16.520 | 0.6504 | 16.032 | 0.6312 | 1.6 | 0.06 | 1.6 | 0.06 | 57.6 | 53.8 | 7.70 | **19150R** | **19268X** | 18.7 | 0.74 | 45.0 | 1.77 | 43.0 | 1.69 | 61.0 | 2.40 | 65.0 | 2.56 | 0.44 | 1.35 | 0.74 | 13.2 | 10.0 | 1.32 |
| | 1.5000 | 69.012 | 2.7170 | 19.050 | 0.7500 | 19.050 | 0.7500 | 15.083 | 0.5938 | 3.6 | 0.14 | 0.8 | 0.03 | 61.7 | 62.0 | 8.95 | **13685** | **13620** | 16.1 | 0.63 | 49.5 | 1.95 | 43.0 | 1.69 | 62.0 | 2.44 | 65.0 | 2.56 | 0.40 | 1.49 | 0.82 | 14.2 | 9.75 | 1.46 |
| | 1.5000 | 69.012 | 2.7170 | 19.050 | 0.7500 | 19.050 | 0.7500 | 15.083 | 0.5938 | 2.0 | 0.08 | 2.4 | 0.09 | 61.7 | 62.0 | 8.95 | **13687** | **13621** | 16.1 | 0.63 | 46.5 | 1.83 | 43.0 | 1.69 | 61.0 | 2.40 | 65.0 | 2.56 | 0.40 | 1.49 | 0.82 | 14.2 | 9.75 | 1.46 |
| | 1.5000 | 69.012 | 2.7170 | 26.195 | 1.0313 | 26.187 | 1.0310 | 15.083 | 0.5938 | 1.6 | 0.06 | 2.4 | 0.09 | 61.7 | 62.0 | 8.95 | **13686** | **13621** | 16.1 | 0.63 | 46.5 | 1.83 | 43.0 | 1.69 | 61.0 | 2.40 | 65.0 | 2.56 | 0.40 | 1.49 | 0.82 | 14.2 | 9.75 | 1.46 |
| | 1.5000 | 69.012 | 2.7170 | 26.195 | 1.0313 | 26.195 | 1.0313 | 15.083 | 0.5938 | 1.6 | 0.06 | 0.8 | 0.03 | 61.7 | 62.0 | 8.95 | **13686** | **13620** | 16.1 | 0.63 | 46.5 | 1.83 | 43.0 | 1.69 | 62.0 | 2.44 | 65.0 | 2.56 | 0.40 | 1.49 | 0.82 | 14.2 | 9.75 | 1.46 |
| | 1.5000 | 69.969 | 2.7547 | 21.996 | 0.8660 | 19.050 | 0.7500 | 18.029 | 0.7098 | 3.6 | 0.14 | 1.6 | 0.06 | 61.7 | 62.0 | 8.95 | **13685** | **13624** | 16.1 | 0.63 | 49.5 | 1.95 | 43.0 | 1.69 | 61.0 | 2.40 | 65.0 | 2.56 | 0.40 | 1.49 | 0.82 | 14.2 | 9.75 | 1.46 |
| | 1.5000 | 71.438 | 2.8125 | 15.875 | 0.6250 | 16.520 | 0.6504 | 11.908 | 0.4688 | 1.6 | 0.06 | 1.0 | 0.04 | 57.6 | 53.8 | 7.70 | **19150R** | **19281** | 14.5 | 0.57 | 45.0 | 1.77 | 43.0 | 1.69 | 63.0 | 2.48 | 66.0 | 2.60 | 0.44 | 1.35 | 0.74 | 13.2 | 10.0 | 1.32 |
| | 1.5000 | 71.438 | 2.8125 | 17.462 | 0.6875 | 16.520 | 0.6504 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.6 | 0.06 | 57.6 | 53.8 | 7.70 | **19150R** | **19282** | 16.1 | 0.63 | 45.0 | 1.77 | 43.0 | 1.69 | 63.0 | 2.48 | 66.0 | 2.60 | 0.44 | 1.35 | 0.74 | 13.2 | 10.0 | 1.32 |
| | 1.5000 | 71.996 | 2.8346 | 17.018 | 0.6700 | 16.520 | 0.6504 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.6 | 0.06 | 57.6 | 53.8 | 7.70 | **19150R** | **19283** | 15.7 | 0.62 | 45.0 | 1.77 | 43.0 | 1.69 | 63.0 | 2.48 | 66.0 | 2.60 | 0.44 | 1.35 | 0.74 | 13.2 | 10.0 | 1.32 |
| | 1.5000 | 71.996 | 2.8346 | 19.000 | 0.7480 | 20.638 | 0.8125 | 14.237 | 0.5605 | 3.6 | 0.14 | 1.6 | 0.06 | 62.3 | 61.3 | 8.90 | **16150** | **16282** | 15.0 | 0.59 | 49.5 | 1.95 | 43.0 | 1.69 | 63.0 | 2.48 | 67.0 | 2.64 | 0.40 | 1.49 | 0.82 | 14.4 | 9.90 | 1.46 |
| | 1.5000 | 72.238 | 2.8440 | 20.638 | 0.8125 | 20.638 | 0.8125 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.2 | 0.05 | 62.3 | 61.3 | 8.90 | **16150** | **16284** | 16.6 | 0.65 | 49.5 | 1.95 | 43.0 | 1.69 | 63.0 | 2.48 | 67.0 | 2.64 | 0.40 | 1.49 | 0.82 | 14.4 | 9.90 | 1.46 |
| | 1.5000 | 72.238 | 2.8440 | 20.638 | 0.8125 | 20.638 | 0.8125 | 15.875 | 0.6250 | 2.4 | 0.09 | 1.2 | 0.05 | 62.3 | 61.3 | 8.90 | **16151** | **16284** | 16.6 | 0.65 | 49.5 | 1.95 | 43.0 | 1.69 | 63.0 | 2.48 | 67.0 | 2.64 | 0.40 | 1.49 | 0.82 | 14.4 | 9.90 | 1.46 |
| | 1.5000 | 72.238 | 2.8440 | 23.812 | 0.9375 | 20.638 | 0.8125 | 19.050 | 0.7500 | 3.6 | 0.14 | 2.4 | 0.09 | 62.3 | 61.3 | 8.90 | **16150** | **16283** | 19.8 | 0.78 | 49.5 | 1.95 | 43.0 | 1.69 | 61.0 | 2.40 | 67.0 | 2.64 | 0.40 | 1.49 | 0.82 | 14.4 | 9.90 | 1.46 |
| | 1.5000 | 73.025 | 2.8750 | 23.812 | 0.9375 | 25.654 | 1.0100 | 19.050 | 0.7500 | 4.3 | 0.17 | 0.8 | 0.03 | 92.6 | 92.2 | 13.8 | **2776R** | **2735X** | 15.9 | 0.63 | 52.0 | 2.05 | 43.5 | 1.71 | 66.0 | 2.60 | 69.0 | 2.72 | 0.30 | 1.98 | 1.09 | 21.5 | 11.1 | 1.93 |
| | 1.5000 | 73.025 | 2.8750 | 23.812 | 0.9375 | 25.654 | 1.0100 | 19.050 | 0.7500 | 1.6 | 0.06 | 0.8 | 0.03 | 92.6 | 92.2 | 13.8 | **2788AR** | **2735X** | 15.9 | 0.63 | 46.0 | 1.81 | 43.5 | 1.71 | 66.0 | 2.60 | 69.0 | 2.72 | 0.30 | 1.98 | 1.09 | 21.5 | 11.1 | 1.93 |
| | 1.5000 | 73.025 | 2.8750 | 23.812 | 0.9375 | 25.654 | 1.0100 | 19.050 | 0.7500 | 3.6 | 0.14 | 0.8 | 0.03 | 92.6 | 92.2 | 13.8 | **2788R** | **2735X** | 15.9 | 0.63 | 50.0 | 1.97 | 43.5 | 1.71 | 66.0 | 2.60 | 69.0 | 2.72 | 0.30 | 1.98 | 1.09 | 21.5 | 11.1 | 1.93 |
| | 1.5000 | 76.200 | 3.0000 | 23.812 | 0.9375 | 25.654 | 1.0100 | 19.050 | 0.7500 | 3.6 | 0.14 | 0.8 | 0.03 | 92.6 | 92.2 | 13.8 | **2788R** | **2729** | 15.9 | 0.63 | 50.0 | 1.97 | 43.5 | 1.71 | 68.0 | 2.68 | 70.0 | 2.76 | 0.30 | 1.98 | 1.09 | 21.5 | 11.1 | 1.93 |
| | 1.5000 | 79.375 | 3.1250 | 23.812 | 0.9375 | 25.400 | 1.0000 | 19.050 | 0.7500 | 0.8 | 0.03 | 2.4 | 0.09 | 101 | 105 | 15.8 | **26878R** | **26822A** | 16.4 | 0.65 | 45.0 | 1.77 | 44.5 | 1.75 | 69.0 | 2.72 | 74.0 | 2.91 | 0.32 | 1.88 | 1.04 | 23.5 | 12.8 | 1.83 |
| | 1.5000 | 79.375 | 3.1250 | 29.370 | 1.1563 | 29.771 | 1.1721 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 109 | 105 | 15.7 | **3490** | **3420** | 20.8 | 0.82 | 52.0 | 2.05 | 45.9 | 1.81 | 67.0 | 2.64 | 74.0 | 2.91 | 0.37 | 1.64 | 0.90 | 25.5 | 15.9 | 1.60 |
| | 1.5000 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 3.6 | 0.14 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **347** | **332** | 15.1 | 0.59 | 50.0 | 1.97 | 44.0 | 1.73 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.5000 | 80.000 | 3.1496 | 24.176 | 0.9518 | 22.403 | 0.8820 | 21.000 | 0.8268 | 0.8 | 0.03 | 2.4 | 0.09 | 85.0 | 74.8 | 11.4 | **337** | **332A** | 18.3 | 0.72 | 44.5 | 1.75 | 44.0 | 1.73 | 71.0 | 2.80 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.5000 | 80.035 | 3.1510 | 21.432 | 0.8438 | 20.940 | 0.8244 | 15.875 | 0.6250 | 1.6 | 0.06 | 1.6 | 0.06 | 71.6 | 65.9 | 9.70 | **28150** | **28317** | 16.9 | 0.67 | 45.5 | 1.79 | 43.5 | 1.71 | 69.0 | 2.72 | 73.0 | 2.87 | 0.40 | 1.49 | 0.82 | 16.5 | 11.3 | 1.46 |
| | 1.5000 | 80.035 | 3.1510 | 21.432 | 0.8438 | 20.940 | 0.8244 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.6 | 0.06 | 71.6 | 65.9 | 9.70 | **28151** | **28317** | 16.9 | 0.67 | 45.5 | 1.79 | 43.5 | 1.71 | 69.0 | 2.72 | 73.0 | 2.87 | 0.40 | 1.49 | 0.82 | 16.5 | 11.3 | 1.46 |
| | 1.5000 | 80.035 | 3.1510 | 24.608 | 0.9688 | 23.698 | 0.9330 | 18.512 | 0.7288 | 0.8 | 0.03 | 1.6 | 0.06 | 91.6 | 91.6 | 13.3 | **27880** | **27820** | 22.2 | 0.87 | 48.0 | 1.89 | 47.0 | 1.85 | 68.0 | 2.68 | 75.0 | 2.95 | 0.56 | 1.07 | 0.59 | 21.2 | 20.3 | 1.04 |
| | 1.5000 | 80.035 | 3.1510 | 24.608 | 0.9688 | 23.698 | 0.9330 | 18.512 | 0.7288 | 3.6 | 0.14 | 1.6 | 0.06 | 91.6 | 91.6 | 13.3 | **27881** | **27820** | 22.2 | 0.87 | 53.0 | 2.09 | 47.0 | 1.85 | 68.0 | 2.68 | 75.0 | 2.95 | 0.56 | 1.07 | 0.59 | 21.2 | 20.3 | 1.04 |
| | 1.5000 | 80.035 | 3.1510 | 29.370 | 1.1563 | 30.391 | 1.1965 | 23.812 | 0.9375 | 0.8 | 0.03 | 1.6 | 0.06 | 114 | 106 | 16.2 | **3387** | **3339** | 18.7 | 0.74 | 45.0 | 1.77 | 44.5 | 1.75 | 71.0 | 2.80 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 26.6 | 12.4 | 2.14 |
| | 1.5000 | 80.167 | 3.1562 | 29.370 | 1.1563 | 30.391 | 1.1965 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 114 | 106 | 16.2 | **3381** | **3331** | 18.7 | 0.74 | 51.0 | 2.01 | 44.5 | 1.75 | 72.0 | 2.83 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 26.6 | 12.4 | 2.14 |
| | 1.5000 | 82.550 | 3.2500 | 29.370 | 1.1563 | 28.575 | 1.1250 | 23.020 | 0.9063 | 0.8 | 0.03 | 3.2 | 0.13 | 109 | 117 | 16.9 | **HM801346** | **HM801310** | 24.4 | 0.96 | 51.0 | 2.01 | 49.0 | 1.93 | 68.0 | 2.68 | 78.0 | 3.07 | 0.55 | 1.10 | 0.60 | 25.5 | 23.8 | 1.07 |
| | 1.5000 | 82.550 | 3.2500 | 29.370 | 1.1563 | 28.575 | 1.1250 | 23.020 | 0.9063 | 2.4 | 0.09 | 3.2 | 0.13 | 109 | 117 | 16.9 | **HM801346X** | **HM801310** | 24.4 | 0.96 | 54.0 | 2.13 | 49.0 | 1.93 | 68.0 | 2.68 | 78.0 | 3.07 | 0.55 | 1.10 | 0.60 | 25.5 | 23.8 | 1.07 |
| | 1.5000 | 82.931 | 3.2650 | 23.812 | 0.9375 | 25.400 | 1.0000 | 19.050 | 0.7500 | 0.8 | 0.03 | 0.8 | 0.03 | 96.8 | 100 | 15.1 | **25572** | **25520** | 17.5 | 0.69 | 46.0 | 1.81 | 46.0 | 1.81 | 74.0 | 2.91 | 77.0 | 3.03 | 0.33 | 1.79 | 0.99 | 22.5 | 12.9 | 1.75 |
| | 1.5000 | 84.138 | 3.3125 | 30.162 | 1.1875 | 30.886 | 1.2160 | 23.812 | 0.9375 | 1.6 | 0.06 | 3.2 | 0.13 | 120 | 120 | 18.2 | **3580R** | **3520** | 20.5 | 0.81 | 48.0 | 1.89 | 45.5 | 1.79 | 74.0 | 2.91 | 79.5 | 3.13 | 0.31 | 1.96 | 1.08 | 27.9 | 14.6 | 1.91 |
| | 1.5000 | 85.725 | 3.3750 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 0.8 | 0.03 | 1.2 | 0.05 | 135 | 136 | 20.3 | **3875** | **3821** | 22.9 | 0.90 | 49.5 | 1.95 | 48.5 | 1.91 | 75.0 | 2.95 | 81.0 | 3.19 | 0.40 | 1.49 | 0.82 | 31.5 | 21.7 | 1.46 |
| | 1.5000 | 85.725 | 3.3750 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 3.6 | 0.14 | 1.2 | 0.05 | 135 | 136 | 20.3 | **3876** | **3821** | 22.9 | 0.90 | 55.0 | 2.17 | 48.5 | 1.91 | 75.0 | 2.95 | 81.0 | 3.19 | 0.40 | 1.49 | 0.82 | 31.5 | 21.7 | 1.46 |

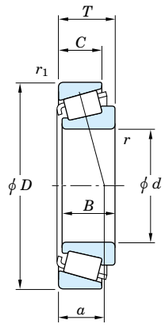
Nota 1) SP indica radio especial.

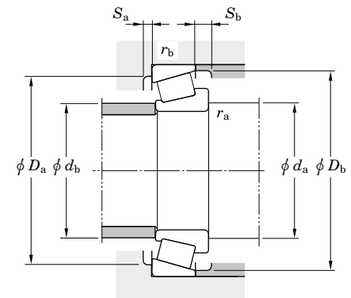
Koyo

## Tipo TS

**$d$ (38.100) ~ (40.000) mm**

**(1.5000) ~ (1.5748) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

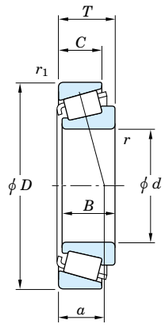
| Dimensiones Principales | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **38.100** | 1.5000 | 87.312 | 3.4375 | 30.162 | 1.1875 | 30.886 | 1.2160 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 120 | 120 | 18.2 | **3583R** | **3526** | 20.5 | 0.81 | 52.0 | 2.05 | 45.5 | 1.79 | 76.0 | 2.99 | 80.0 | 3.15 | 0.31 | 1.96 | 1.08 | 27.9 | 14.6 | 1.91 |
| | 1.5000 | 88.501 | 3.4843 | 26.988 | 1.0625 | 29.083 | 1.1450 | 22.225 | 0.8750 | 0.8 | 0.03 | 1.6 | 0.06 | 123 | 112 | 17.2 | **415** | **414** | 16.9 | 0.67 | 45.0 | 1.77 | 44.5 | 1.75 | 77.0 | 3.03 | 80.0 | 3.15 | 0.26 | 2.28 | 1.25 | 28.6 | 12.9 | 2.22 |
| | 1.5000 | 88.501 | 3.4843 | 26.988 | 1.0625 | 29.083 | 1.1450 | 22.225 | 0.8750 | 3.6 | 0.14 | 1.6 | 0.06 | 123 | 112 | 17.2 | **418** | **414** | 16.9 | 0.67 | 51.0 | 2.01 | 44.5 | 1.75 | 77.0 | 3.03 | 80.0 | 3.15 | 0.26 | 2.28 | 1.25 | 28.6 | 12.9 | 2.22 |
| | 1.5000 | 88.900 | 3.5000 | 26.988 | 1.0625 | 29.083 | 1.1450 | 22.225 | 0.8750 | 0.8 | 0.03 | 0.8 | 0.03 | 123 | 112 | 17.2 | **415** | **414X** | 16.9 | 0.67 | 45.0 | 1.77 | 44.5 | 1.75 | 78.0 | 3.07 | 79.0 | 3.11 | 0.26 | 2.28 | 1.25 | 28.6 | 12.9 | 2.22 |
| | 1.5000 | 90.488 | 3.5625 | 39.688 | 1.5625 | 40.386 | 1.5900 | 33.338 | 1.3125 | 1.6 | 0.06 | 3.2 | 0.13 | 166 | 169 | 25.9 | **4375** | **4335** | 25.6 | 1.01 | 51.0 | 2.01 | 48.5 | 1.91 | 77.0 | 3.03 | 85.0 | 3.35 | 0.28 | 2.11 | 1.16 | 38.8 | 18.9 | 2.06 |
| | 1.5000 | 93.662 | 3.6875 | 31.750 | 1.2500 | 31.750 | 1.2500 | 25.400 | 1.0000 | 3.6 | 0.14 | 3.2 | 0.13 | 131 | 123 | 18.8 | **49150** | **49368** | 24.0 | 0.94 | 52.0 | 2.05 | 46.0 | 1.81 | 82.0 | 3.23 | 87.0 | 3.43 | 0.36 | 1.67 | 0.92 | 30.6 | 18.8 | 1.62 |
| | 1.5000 | 93.662 | 3.6875 | 31.750 | 1.2500 | 31.750 | 1.2500 | 26.195 | 1.0313 | 0.8 | 0.03 | 3.2 | 0.13 | 132 | 134 | 20.2 | **46150** | **46368** | 24.0 | 0.94 | 49.0 | 1.93 | 47.5 | 1.87 | 79.0 | 3.11 | 87.0 | 3.43 | 0.40 | 1.49 | 0.82 | 30.8 | 21.1 | 1.46 |
| | 1.5000 | 93.662 | 3.6875 | 31.750 | 1.2500 | 31.750 | 1.2500 | 26.195 | 1.0313 | 3.6 | 0.14 | 3.2 | 0.13 | 132 | 134 | 20.2 | **46151** | **46368** | 24.0 | 0.94 | 54.0 | 2.13 | 47.5 | 1.87 | 79.0 | 3.11 | 87.0 | 3.43 | 0.40 | 1.49 | 0.82 | 30.8 | 21.1 | 1.46 |
| | 1.5000 | 95.250 | 3.7500 | 27.783 | 1.0938 | 28.575 | 1.1250 | 22.225 | 0.8750 | 3.6 | 0.14 | 0.8 | 0.03 | 135 | 141 | 21.6 | **33880** | **33822** | 20.4 | 0.80 | 54.0 | 2.13 | 48.0 | 1.89 | 86.0 | 3.39 | 90.0 | 3.54 | 0.33 | 1.82 | 1.00 | 31.4 | 17.7 | 1.77 |
| | 1.5000 | 95.250 | 3.7500 | 27.783 | 1.0938 | 29.901 | 1.1772 | 22.225 | 0.8750 | 0.8 | 0.03 | 0.8 | 0.03 | 129 | 122 | 18.8 | **440** | **432A** | 18.4 | 0.72 | 46.5 | 1.83 | 45.5 | 1.79 | 84.0 | 3.31 | 87.0 | 3.43 | 0.28 | 2.11 | 1.16 | 30.0 | 14.6 | 2.06 |
| | 1.5000 | 95.250 | 3.7500 | 27.783 | 1.0938 | 29.901 | 1.1772 | 22.225 | 0.8750 | 3.6 | 0.14 | 0.8 | 0.03 | 129 | 122 | 18.8 | **444** | **432A** | 18.4 | 0.72 | 52.0 | 2.05 | 45.5 | 1.79 | 84.0 | 3.31 | 87.0 | 3.43 | 0.28 | 2.11 | 1.16 | 30.0 | 14.6 | 2.06 |
| | 1.5000 | 101.600 | 4.0000 | 34.925 | 1.3750 | 36.068 | 1.4200 | 26.988 | 1.0625 | 3.6 | 0.14 | 3.2 | 0.13 | 164 | 159 | 24.8 | **525** | **522** | 22.2 | 0.87 | 54.0 | 2.13 | 48.0 | 1.89 | 89.0 | 3.50 | 95.0 | 3.74 | 0.29 | 2.10 | 1.16 | 38.4 | 18.7 | 2.05 |
| | 1.5000 | 101.600 | 4.0000 | 34.925 | 1.3750 | 36.068 | 1.4200 | 26.988 | 1.0625 | 0.8 | 0.03 | 3.2 | 0.13 | 164 | 159 | 24.8 | **525X** | **522** | 22.2 | 0.87 | 49.0 | 1.93 | 48.0 | 1.89 | 89.0 | 3.50 | 95.0 | 3.74 | 0.29 | 2.10 | 1.16 | 38.4 | 18.7 | 2.05 |
| | 1.5000 | 107.950 | 4.2500 | 36.512 | 1.4375 | 36.957 | 1.4550 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 172 | 172 | 26.8 | **542** | **532X** | 23.9 | 0.94 | 55.0 | 2.17 | 49.0 | 1.93 | 94.0 | 3.70 | 100.0 | 3.94 | 0.30 | 2.03 | 1.11 | 40.4 | 20.5 | 1.97 |
| **38.913** | 1.5320 | 122.238 | 4.8125 | 51.595 | 2.0313 | 51.702 | 2.0355 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5561R** | **5535** | 39.0 | 1.54 | 57.0 | 2.24 | 52.0 | 2.05 | 106.0 | 4.17 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| **39.624** | 1.5600 | 63.500 | 2.5000 | 12.700 | 0.5000 | 11.908 | 0.4688 | 9.525 | 0.3750 | 1.6 | 0.06 | 0.8 | 0.03 | 32.1 | 33.1 | 4.60 | **13892** | **13830** | 11.9 | 0.47 | 45.0 | 1.77 | 42.5 | 1.67 | 59.0 | 2.32 | 60.0 | 2.36 | 0.35 | 1.73 | 0.95 | 7.30 | 4.30 | 1.69 |
| **39.688** | 1.5625 | 73.025 | 2.8750 | 16.667 | 0.6562 | 17.462 | 0.6875 | 12.700 | 0.5000 | 0.8 | 0.03 | 1.6 | 0.06 | 57.6 | 55.8 | 8.15 | **18587** | **18520** | 14.5 | 0.57 | 46.0 | 1.81 | 46.0 | 1.81 | 66.0 | 2.60 | 69.0 | 2.72 | 0.35 | 1.71 | 0.94 | 13.2 | 7.90 | 1.67 |
| | 1.5625 | 73.025 | 2.8750 | 23.812 | 0.9375 | 25.654 | 1.0100 | 19.050 | 0.7500 | 3.6 | 0.14 | 0.8 | 0.03 | 92.6 | 92.2 | 13.8 | **2789R** | **2735X** | 15.9 | 0.63 | 52.0 | 2.05 | 45.0 | 1.77 | 66.0 | 2.60 | 69.0 | 2.72 | 0.30 | 1.98 | 1.09 | 21.5 | 11.1 | 1.93 |
| | 1.5625 | 80.000 | 3.1496 | 23.812 | 0.9375 | 25.400 | 1.0000 | 19.050 | 0.7500 | 1.6 | 0.06 | 1.2 | 0.05 | 101 | 105 | 15.8 | **26880R** | **26824** | 16.4 | 0.65 | 48.0 | 1.89 | 45.5 | 1.79 | 70.0 | 2.76 | 74.0 | 2.91 | 0.32 | 1.88 | 1.04 | 23.5 | 12.8 | 1.83 |
| | 1.5625 | 80.167 | 3.1562 | 25.400 | 1.0000 | 25.400 | 1.0000 | 20.638 | 0.8125 | 3.6 | 0.14 | 0.8 | 0.03 | 101 | 105 | 15.8 | **26881R** | **26830** | 18.0 | 0.71 | 52.0 | 2.05 | 45.5 | 1.79 | 71.0 | 2.80 | 74.0 | 2.91 | 0.32 | 1.88 | 1.04 | 23.5 | 12.8 | 1.83 |
| | 1.5625 | 80.167 | 3.1562 | 29.370 | 1.1563 | 30.391 | 1.1965 | 23.812 | 0.9375 | 0.8 | 0.03 | 3.2 | 0.13 | 114 | 106 | 16.2 | **3386** | **3320** | 18.7 | 0.74 | 46.5 | 1.83 | 45.5 | 1.79 | 70.0 | 2.76 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 26.6 | 12.4 | 2.14 |
| | 1.5625 | 81.755 | 3.2187 | 29.370 | 1.1563 | 30.391 | 1.1965 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 114 | 106 | 16.2 | **3382** | **3329** | 18.7 | 0.74 | 52.0 | 2.05 | 45.5 | 1.79 | 71.0 | 2.80 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 26.6 | 12.4 | 2.14 |
| | 1.5625 | 84.138 | 3.3125 | 29.370 | 1.1563 | 30.391 | 1.1965 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 114 | 106 | 16.2 | **3382** | **3328** | 18.7 | 0.74 | 52.0 | 2.05 | 45.5 | 1.79 | 72.0 | 2.83 | 76.0 | 2.99 | 0.27 | 2.20 | 1.21 | 26.6 | 12.4 | 2.14 |
| | 1.5625 | 88.501 | 3.4843 | 26.988 | 1.0625 | 29.083 | 1.1450 | 22.225 | 0.8750 | 3.6 | 0.14 | 1.6 | 0.06 | 123 | 112 | 17.2 | **422** | **414** | 16.9 | 0.67 | 52.0 | 2.05 | 46.5 | 1.83 | 77.0 | 3.03 | 80.0 | 3.15 | 0.26 | 2.28 | 1.25 | 28.6 | 12.9 | 2.22 |
| | 1.5625 | 88.501 | 3.4843 | 26.988 | 1.0625 | 29.083 | 1.1450 | 22.225 | 0.8750 | 3.6 | 0.14 | 3.2 | 0.13 | 123 | 112 | 17.2 | **422** | **414A** | 16.9 | 0.67 | 52.0 | 2.05 | 46.5 | 1.83 | 76.0 | 2.99 | 79.0 | 3.11 | 0.26 | 2.28 | 1.25 | 28.6 | 12.9 | 2.22 |
| | 1.5625 | 90.488 | 3.5625 | 39.688 | 1.5625 | 40.386 | 1.5900 | 33.338 | 1.3125 | 3.6 | 0.14 | 3.2 | 0.13 | 166 | 169 | 25.9 | **4367** | **4335** | 25.6 | 1.01 | 55.0 | 2.17 | 49.0 | 1.93 | 77.0 | 3.03 | 85.0 | 3.35 | 0.28 | 2.11 | 1.16 | 38.8 | 18.9 | 2.06 |
| | 1.5625 | 93.264 | 3.6718 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 129 | 137 | 20.9 | **3774** | **3720** | 22.2 | 0.87 | 55.0 | 2.17 | 51.0 | 2.01 | 82.0 | 3.23 | 88.0 | 3.46 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 1.5625 | 101.600 | 4.0000 | 34.925 | 1.3750 | 36.068 | 1.4200 | 26.988 | 1.0625 | 3.6 | 0.14 | 3.2 | 0.13 | 164 | 159 | 24.8 | **525A** | **522** | 22.2 | 0.87 | 56.0 | 2.20 | 49.0 | 1.93 | 89.0 | 3.50 | 95.0 | 3.74 | 0.29 | 2.10 | 1.16 | 38.4 | 18.7 | 2.05 |
| | 1.5625 | 120.040 | 4.7260 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 0.8 | 0.03 | 3.2 | 0.13 | 218 | 217 | 34.0 | **620** | **612A** | 27.3 | 1.07 | 52.0 | 2.05 | 52.0 | 2.05 | 103.0 | 4.06 | 109.0 | 4.29 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| | 1.5625 | 120.650 | 4.7500 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 0.8 | 0.03 | 3.2 | 0.13 | 218 | 217 | 34.0 | **620** | **612** | 27.3 | 1.07 | 52.0 | 2.05 | 52.0 | 2.05 | 105.0 | 4.13 | 110.0 | 4.33 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| **39.980** | 1.5740 | 76.200 | 3.0000 | 18.009 | 0.7090 | 17.384 | 0.6844 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.6 | 0.06 | 64.7 | 63.3 | 9.15 | **11157R** | **11300** | 17.5 | 0.69 | 48.5 | 1.91 | 46.0 | 1.81 | 67.0 | 2.64 | 72.0 | 2.83 | 0.49 | 1.23 | 0.68 | 14.9 | 12.4 | 1.20 |
| | 1.5740 | 80.000 | 3.1496 | 18.009 | 0.7090 | 17.384 | 0.6844 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.6 | 0.06 | 64.7 | 63.3 | 9.15 | **11157R** | **11315** | 17.5 | 0.69 | 48.5 | 1.91 | 46.0 | 1.81 | 67.0 | 2.64 | 72.0 | 2.83 | 0.49 | 1.23 | 0.68 | 14.9 | 12.4 | 1.20 |
| | 1.5740 | 80.035 | 3.1510 | 21.432 | 0.8438 | 20.940 | 0.8244 | 15.875 | 0.6250 | 3.6 | 0.14 | 1.6 | 0.06 | 71.6 | 65.9 | 9.70 | **28159** | **28317** | 16.9 | 0.67 | 52.0 | 2.05 | 45.0 | 1.77 | 69.0 | 2.72 | 73.0 | 2.87 | 0.40 | 1.49 | 0.82 | 16.5 | 11.3 | 1.46 |
| **40.000** | 1.5748 | 76.200 | 3.0000 | 18.009 | 0.7090 | 17.384 | 0.6844 | 14.288 | 0.5625 | 2.0 | 0.08 | 1.6 | 0.06 | 64.7 | 63.3 | 9.15 | **11157XR** | **11300** | 17.5 | 0.69 | 52.0 | 2.05 | 46.0 | 1.81 | 67.0 | 2.64 | 72.0 | 2.83 | 0.49 | 1.23 | 0.68 | 14.9 | 12.4 | 1.20 |
| | 1.5748 | 76.200 | 3.0000 | 20.638 | 0.8125 | 20.940 | 0.8244 | 15.507 | 0.6105 | 1.6 | 0.06 | 1.2 | 0.05 | 71.6 | 65.9 | 9.70 | **28158** | **28300** | 16.5 | 0.65 | 47.5 | 1.87 | 45.0 | 1.77 | 68.0 | 2.68 | 71.0 | 2.80 | 0.40 | 1.49 | 0.82 | 16.5 | 11.3 | 1.46 |
| | 1.5748 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 3.6 | 0.14 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **344** | **332** | 15.1 | 0.59 | 52.0 | 2.05 | 45.5 | 1.79 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.5748 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 0.8 | 0.03 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **344A** | **332** | 15.1 | 0.59 | 46.0 | 1.81 | 45.5 | 1.79 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.5748 | 85.000 | 3.3465 | 20.638 | 0.8125 | 21.692 | 0.8540 | 17.462 | 0.6875 | 0.8 | 0.03 | 1.2 | 0.05 | 89.6 | 81.7 | 12.4 | **350A** | **354A** | 15.5 | 0.61 | 47.5 | 1.87 | 46.5 | 1.83 | 77.0 | 3.03 | 80.0 | 3.15 | 0.31 | 1.96 | 1.08 | 20.7 | 10.8 | 1.91 |
| | 1.5748 | 85.000 | 3.3465 | 20.638 | 0.8125 | 21.692 | 0.8540 | 17.462 | 0.6875 | 2.4 | 0.09 | 1.6 | 0.06 | 89.6 | 81.7 | 12.4 | **357** | **354X** | 15.5 | 0.61 | 51.0 | 2.01 | 46.5 | 1.83 | 77.0 | 3.03 | 80.0 | 3.15 | 0.31 | 1.96 | 1.08 | 20.7 | 10.8 | 1.91 |

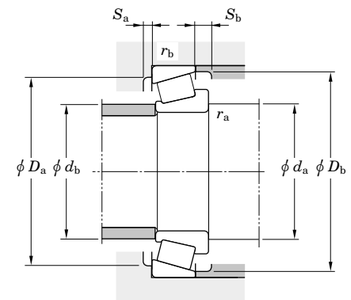
Nota 1) SP indica radio especial.

## Tipo TS

**$d$ (40.000) ~ (41.275) mm**

**(1.5748) ~ (1.6250) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

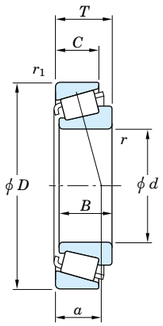
| Dimensiones Principales | | | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **40.000** | 1.5748 | 85.725 | 3.3750 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 0.8 | 0.03 | 1.2 | 0.05 | 135 | 136 | 20.3 | **3879** | **3821** | 22.9 | 0.90 | 51.0 | 2.01 | 50.0 | 1.97 | 75.0 | 2.95 | 81.0 | 3.19 | 0.40 | 1.49 | 0.82 | 31.5 | 21.7 | 1.46 |
| | 1.5748 | 87.312 | 3.4375 | 30.162 | 1.1875 | 30.886 | 1.2160 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 120 | 120 | 18.2 | **3582R** | **3525** | 20.5 | 0.81 | 53.0 | 2.09 | 48.5 | 1.91 | 75.0 | 2.95 | 81.0 | 3.19 | 0.31 | 1.96 | 1.08 | 27.9 | 14.6 | 1.91 |
| | 1.5748 | 88.501 | 3.4843 | 26.988 | 1.0625 | 29.083 | 1.1450 | 22.225 | 0.8750 | 3.6 | 0.14 | 1.6 | 0.06 | 123 | 112 | 17.2 | **420** | **414** | 16.9 | 0.67 | 52.0 | 2.05 | 46.0 | 1.81 | 77.0 | 3.03 | 80.0 | 3.15 | 0.26 | 2.28 | 1.25 | 28.6 | 12.9 | 2.22 |
| | 1.5748 | 90.119 | 3.5480 | 23.000 | 0.9055 | 21.692 | 0.8540 | 21.808 | 0.8586 | 4.0 | 0.16 | 2.4 | 0.09 | 89.6 | 81.7 | 12.4 | **350** | **352** | 17.8 | 0.70 | 54.0 | 2.13 | 46.5 | 1.83 | 78.0 | 3.07 | 82.0 | 3.23 | 0.31 | 1.96 | 1.08 | 20.7 | 10.8 | 1.91 |
| | 1.5748 | 95.250 | 3.7500 | 27.783 | 1.0938 | 29.901 | 1.1772 | 22.225 | 0.8750 | 3.6 | 0.14 | 2.4 | 0.09 | 129 | 122 | 18.8 | **442S** | **432** | 23.6 | 0.93 | 54.0 | 2.13 | 49.0 | 1.93 | 83.0 | 3.27 | 87.0 | 3.43 | 0.28 | 2.11 | 1.16 | 30.0 | 14.6 | 2.06 |
| | 1.5748 | 107.950 | 4.2500 | 36.512 | 1.4375 | 36.957 | 1.4550 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 172 | 172 | 26.8 | **543** | **532X** | 23.9 | 0.94 | 57.0 | 2.24 | 50.0 | 1.97 | 94.0 | 3.70 | 100.0 | 3.94 | 0.30 | 2.03 | 1.11 | 40.4 | 20.5 | 1.97 |
| **40.483** | 1.5938 | 82.550 | 3.2500 | 29.370 | 1.1563 | 28.575 | 1.1250 | 23.020 | 0.9063 | 3.6 | 0.14 | 3.2 | 0.13 | 109 | 117 | 16.9 | **HM801349** | **HM801310** | 24.4 | 0.96 | 58.0 | 2.28 | 49.0 | 1.93 | 68.0 | 2.68 | 78.0 | 3.07 | 0.55 | 1.10 | 0.60 | 25.5 | 23.8 | 1.07 |
| **41.275** | 1.6250 | 73.025 | 2.8750 | 16.667 | 0.6562 | 17.462 | 0.6875 | 12.700 | 0.5000 | 3.6 | 0.14 | 1.6 | 0.06 | 57.6 | 55.8 | 8.15 | **18590** | **18520** | 14.5 | 0.57 | 53.0 | 2.09 | 46.0 | 1.81 | 66.0 | 2.60 | 69.0 | 2.72 | 0.35 | 1.71 | 0.94 | 13.2 | 7.90 | 1.67 |
| | 1.6250 | 73.025 | 2.8750 | 16.667 | 0.6562 | 17.462 | 0.6875 | 12.700 | 0.5000 | 1.2 | 0.05 | 1.6 | 0.06 | 57.6 | 55.8 | 8.15 | **18591** | **18520** | 14.5 | 0.57 | 47.5 | 1.87 | 46.0 | 1.81 | 66.0 | 2.60 | 69.0 | 2.72 | 0.35 | 1.71 | 0.94 | 13.2 | 7.90 | 1.67 |
| | 1.6250 | 73.431 | 2.8910 | 19.558 | 0.7700 | 19.812 | 0.7800 | 14.732 | 0.5800 | 3.6 | 0.14 | 0.8 | 0.03 | 72.5 | 73.0 | 10.6 | **LM501349** | **LM501310** | 16.1 | 0.63 | 53.0 | 2.09 | 46.5 | 1.83 | 67.0 | 2.64 | 70.0 | 2.76 | 0.40 | 1.50 | 0.83 | 16.7 | 11.4 | 1.46 |
| | 1.6250 | 73.431 | 2.8910 | 21.430 | 0.8437 | 19.812 | 0.7800 | 16.604 | 0.6537 | 3.6 | 0.14 | 0.8 | 0.03 | 72.5 | 73.0 | 10.6 | **LM501349** | **LM501314** | 18.0 | 0.71 | 53.0 | 2.09 | 46.5 | 1.83 | 66.0 | 2.60 | 70.0 | 2.76 | 0.40 | 1.50 | 0.83 | 16.7 | 11.4 | 1.46 |
| | 1.6250 | 73.431 | 2.8910 | 23.012 | 0.9060 | 19.812 | 0.7800 | 18.186 | 0.7160 | 3.6 | 0.14 | 2.4 | 0.09 | 72.5 | 73.0 | 10.6 | **LM501349** | **LM501311** | 16.1 | 0.63 | 53.0 | 2.09 | 46.5 | 1.83 | 64.0 | 2.52 | 70.0 | 2.76 | 0.40 | 1.50 | 0.83 | 16.7 | 11.4 | 1.46 |
| | 1.6250 | 76.200 | 3.0000 | 18.009 | 0.7090 | 17.384 | 0.6844 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.6 | 0.06 | 64.7 | 63.3 | 9.15 | **11162R** | **11300** | 17.5 | 0.69 | 49.0 | 1.93 | 46.5 | 1.83 | 67.0 | 2.64 | 72.0 | 2.83 | 0.49 | 1.23 | 0.68 | 14.9 | 12.4 | 1.20 |
| | 1.6250 | 76.200 | 3.0000 | 18.009 | 0.7090 | 17.384 | 0.6844 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.6 | 0.06 | 64.7 | 63.3 | 9.15 | **11162UR** | **11300** | 17.5 | 0.69 | 49.0 | 1.93 | 46.0 | 1.81 | 67.0 | 2.64 | 72.0 | 2.83 | 0.49 | 1.23 | 0.68 | 14.9 | 12.4 | 1.20 |
| | 1.6250 | 76.200 | 3.0000 | 18.009 | 0.7090 | 17.384 | 0.6844 | 14.288 | 0.5625 | 0.8 | 0.03 | 1.6 | 0.06 | 64.7 | 63.3 | 9.15 | **11163R** | **11300** | 17.5 | 0.69 | 47.0 | 1.85 | 46.5 | 1.83 | 67.0 | 2.64 | 72.0 | 2.83 | 0.49 | 1.23 | 0.68 | 14.9 | 12.4 | 1.20 |
| | 1.6250 | 76.200 | 3.0000 | 22.225 | 0.8750 | 23.020 | 0.9063 | 17.462 | 0.6875 | 3.6 | 0.14 | 0.8 | 0.03 | 82.9 | 83.3 | 12.3 | **24780R** | **24720** | 17.4 | 0.69 | 54.0 | 2.13 | 47.0 | 1.85 | 68.0 | 2.68 | 72.0 | 2.83 | 0.39 | 1.53 | 0.84 | 19.2 | 12.9 | 1.49 |
| | 1.6250 | 76.200 | 3.0000 | 22.225 | 0.8750 | 23.020 | 0.9063 | 17.462 | 0.6875 | 3.6 | 0.14 | 3.2 | 0.13 | 82.9 | 83.3 | 12.3 | **24780R** | **24722** | 17.4 | 0.69 | 54.0 | 2.13 | 47.0 | 1.85 | 66.0 | 2.60 | 72.0 | 2.83 | 0.39 | 1.53 | 0.84 | 19.2 | 12.9 | 1.49 |
| | 1.6250 | 76.200 | 3.0000 | 22.225 | 0.8750 | 23.020 | 0.9063 | 17.462 | 0.6875 | 0.8 | 0.03 | 0.8 | 0.03 | 82.9 | 83.3 | 12.3 | **24781R** | **24720** | 17.4 | 0.69 | 47.0 | 1.85 | 47.0 | 1.85 | 68.0 | 2.68 | 72.0 | 2.83 | 0.39 | 1.53 | 0.84 | 19.2 | 12.9 | 1.49 |
| | 1.6250 | 76.200 | 3.0000 | 25.400 | 1.0000 | 23.020 | 0.9063 | 20.638 | 0.8125 | 3.6 | 0.14 | 2.4 | 0.09 | 82.9 | 83.3 | 12.3 | **24780R** | **24721** | 20.6 | 0.81 | 54.0 | 2.13 | 47.0 | 1.85 | 66.0 | 2.60 | 72.0 | 2.83 | 0.39 | 1.53 | 0.84 | 19.2 | 12.9 | 1.49 |
| | 1.6250 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 0.8 | 0.03 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **336** | **332** | 15.1 | 0.59 | 47.0 | 1.85 | 46.0 | 1.81 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.6250 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 3.6 | 0.14 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **342** | **332** | 15.1 | 0.59 | 53.0 | 2.09 | 46.0 | 1.81 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.6250 | 80.000 | 3.1496 | 28.575 | 1.1250 | 29.977 | 1.1802 | 17.826 | 0.7018 | 3.6 | 0.14 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **342A** | **332** | 22.7 | 0.89 | 53.0 | 2.09 | 46.0 | 1.81 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.6250 | 80.000 | 3.1496 | 31.750 | 1.2500 | 29.977 | 1.1802 | 21.000 | 0.8268 | 3.6 | 0.14 | 2.4 | 0.09 | 85.0 | 74.8 | 11.4 | **342A** | **332A** | 22.7 | 0.89 | 53.0 | 2.09 | 46.0 | 1.81 | 71.0 | 2.80 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.6250 | 80.167 | 3.1562 | 25.400 | 1.0000 | 25.400 | 1.0000 | 20.638 | 0.8125 | 0.8 | 0.03 | 3.2 | 0.13 | 101 | 105 | 15.8 | **26885R** | **26820** | 17.9 | 0.70 | 48.0 | 1.89 | 47.0 | 1.85 | 69.0 | 2.72 | 74.0 | 2.91 | 0.32 | 1.88 | 1.04 | 23.5 | 12.8 | 1.83 |
| | 1.6250 | 80.167 | 3.1562 | 29.370 | 1.1563 | 25.400 | 1.0000 | 24.608 | 0.9688 | 3.6 | 0.14 | 3.2 | 0.13 | 101 | 105 | 15.8 | **26882R** | **26821** | 17.9 | 0.70 | 54.0 | 2.13 | 47.0 | 1.85 | 68.0 | 2.68 | 74.0 | 2.91 | 0.32 | 1.88 | 1.04 | 23.5 | 12.8 | 1.83 |
| | 1.6250 | 82.550 | 3.2500 | 26.543 | 1.0450 | 25.654 | 1.0100 | 20.193 | 0.7950 | 3.6 | 0.14 | 3.2 | 0.13 | 105 | 105 | 15.4 | **M802048** | **M802011** | 23.3 | 0.92 | 57.0 | 2.24 | 50.6 | 1.99 | 70.0 | 2.76 | 79.0 | 3.11 | 0.55 | 1.10 | 0.60 | 24.2 | 22.6 | 1.07 |
| | 1.6250 | 84.138 | 3.3125 | 29.370 | 1.1563 | 30.391 | 1.1965 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 114 | 106 | 16.2 | **3383** | **3328** | 18.7 | 0.74 | 52.0 | 2.05 | 46.0 | 1.81 | 72.0 | 2.83 | 76.0 | 2.99 | 0.27 | 2.20 | 1.21 | 26.6 | 12.4 | 2.14 |
| | 1.6250 | 84.138 | 3.3125 | 29.370 | 1.1563 | 30.391 | 1.1965 | 23.812 | 0.9375 | 0.8 | 0.03 | 3.2 | 0.13 | 114 | 106 | 16.2 | **3384** | **3328** | 18.7 | 0.74 | 48.0 | 1.89 | 41.5 | 1.63 | 72.0 | 2.83 | 76.0 | 2.99 | 0.27 | 2.20 | 1.21 | 26.6 | 12.4 | 2.14 |
| | 1.6250 | 84.138 | 3.3125 | 30.162 | 1.1875 | 30.886 | 1.2160 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 120 | 120 | 18.2 | **3577R** | **3520** | 20.5 | 0.81 | 54.0 | 2.13 | 48.0 | 1.89 | 74.0 | 2.91 | 79.5 | 3.13 | 0.31 | 1.96 | 1.08 | 27.9 | 14.6 | 1.91 |
| | 1.6250 | 84.138 | 3.3125 | 30.162 | 1.1875 | 30.886 | 1.2160 | 23.812 | 0.9375 | 1.6 | 0.06 | 3.2 | 0.13 | 120 | 120 | 18.2 | **3585R** | **3520** | 20.5 | 0.81 | 50.0 | 1.97 | 48.0 | 1.89 | 74.0 | 2.91 | 79.5 | 3.13 | 0.31 | 1.96 | 1.08 | 27.9 | 14.6 | 1.91 |
| | 1.6250 | 85.725 | 3.3750 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 3.6 | 0.14 | 1.2 | 0.05 | 135 | 136 | 20.3 | **3877** | **3821** | 22.9 | 0.90 | 57.0 | 2.24 | 50.3 | 1.98 | 75.0 | 2.95 | 81.0 | 3.19 | 0.40 | 1.49 | 0.82 | 31.5 | 21.7 | 1.46 |
| | 1.6250 | 85.725 | 3.3750 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 2.4 | 0.09 | 1.2 | 0.05 | 135 | 136 | 20.3 | **3877A** | **3821** | 22.9 | 0.90 | 55.0 | 2.17 | 50.3 | 1.98 | 75.0 | 2.95 | 81.0 | 3.19 | 0.40 | 1.49 | 0.82 | 31.5 | 21.7 | 1.46 |
| | 1.6250 | 85.725 | 3.3750 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 0.8 | 0.03 | 1.2 | 0.05 | 135 | 136 | 20.3 | **3880** | **3821** | 22.9 | 0.90 | 52.0 | 2.05 | 50.3 | 1.98 | 75.0 | 2.95 | 81.0 | 3.19 | 0.40 | 1.49 | 0.82 | 31.5 | 21.7 | 1.46 |
| | 1.6250 | 87.312 | 3.4375 | 30.162 | 1.1875 | 30.886 | 1.2160 | 23.812 | 0.9375 | 0.8 | 0.03 | 3.2 | 0.13 | 120 | 120 | 18.2 | **3576R** | **3525** | 20.5 | 0.81 | 49.0 | 1.93 | 48.0 | 1.89 | 75.0 | 2.95 | 81.0 | 3.19 | 0.31 | 1.96 | 1.08 | 27.9 | 14.6 | 1.91 |
| | 1.6250 | 88.501 | 3.4843 | 26.988 | 1.0625 | 29.083 | 1.1450 | 22.225 | 0.8750 | 3.6 | 0.14 | 1.6 | 0.06 | 123 | 112 | 17.2 | **419** | **414** | 16.9 | 0.67 | 54.0 | 2.13 | 47.0 | 1.85 | 77.0 | 3.03 | 80.0 | 3.15 | 0.26 | 2.28 | 1.25 | 28.6 | 12.9 | 2.22 |
| | 1.6250 | 88.501 | 3.4843 | 26.988 | 1.0625 | 29.083 | 1.1450 | 22.225 | 0.8750 | 0.8 | 0.03 | 1.6 | 0.06 | 123 | 112 | 17.2 | **423X** | **414** | 16.9 | 0.67 | 49.0 | 1.93 | 47.0 | 1.85 | 77.0 | 3.03 | 80.0 | 3.15 | 0.26 | 2.28 | 1.25 | 28.6 | 12.9 | 2.22 |
| | 1.6250 | 88.900 | 3.5000 | 20.638 | 0.8125 | 22.225 | 0.8750 | 16.513 | 0.6501 | 3.6 | 0.14 | 1.2 | 0.05 | 92.9 | 87.3 | 13.3 | **365A** | **362A** | 16.1 | 0.63 | 55.0 | 2.17 | 48.5 | 1.91 | 81.0 | 3.19 | 84.0 | 3.31 | 0.32 | 1.88 | 1.03 | 21.4 | 11.7 | 1.83 |
| | 1.6250 | 88.900 | 3.5000 | 30.162 | 1.1875 | 29.370 | 1.1563 | 23.020 | 0.9063 | 0.8 | 0.03 | 3.2 | 0.13 | 124 | 125 | 18.5 | **HM803145** | **HM803110** | 26.1 | 1.03 | 54.0 | 2.13 | 53.0 | 2.09 | 74.0 | 2.91 | 85.0 | 3.35 | 0.55 | 1.10 | 0.60 | 28.8 | 26.9 | 1.07 |
| | 1.6250 | 88.900 | 3.5000 | 30.162 | 1.1875 | 29.370 | 1.1563 | 23.020 | 0.9063 | 3.6 | 0.14 | 3.2 | 0.13 | 124 | 125 | 18.5 | **HM803146** | **HM803110** | 26.1 | 1.03 | 60.0 | 2.36 | 53.0 | 2.09 | 74.0 | 2.91 | 85.0 | 3.35 | 0.55 | 1.10 | 0.60 | 28.8 | 26.9 | 1.07 |
| | 1.6250 | 90.488 | 3.5625 | 39.688 | 1.5625 | 40.386 | 1.5900 | 33.338 | 1.3125 | 3.6 | 0.14 | 3.2 | 0.13 | 166 | 169 | 25.9 | **4388** | **4335** | 25.6 | 1.01 | 57.0 | 2.24 | 51.0 | 2.01 | 77.0 | 3.03 | 85.0 | 3.35 | 0.28 | 2.11 | 1.16 | 38.8 | 18.9 | 2.06 |

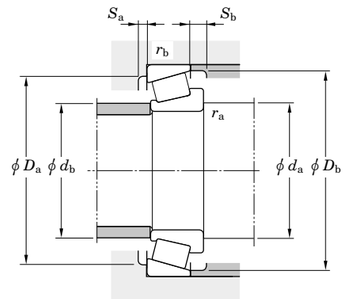
Nota 1) SP indica radio especial.

## Tipo TS

**$d$ (41.275) ~ (44.450) mm**

**(1.6250) ~ (1.7500) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

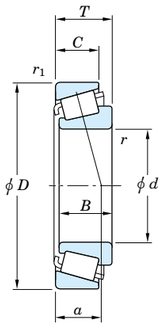
Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

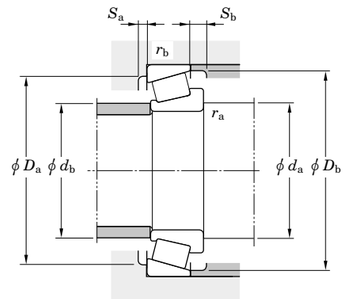
| Dimensiones Principales | | | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **41.275** | 1.6250 | 93.662 | 3.6875 | 31.750 | 1.2500 | 31.750 | 1.2500 | 25.400 | 1.0000 | 3.6 | 0.14 | 3.2 | 0.13 | 131 | 123 | 18.8 | **49162** | **49368** | 22.9 | 0.90 | 55.0 | 2.17 | 49.0 | 1.93 | 82.0 | 3.23 | 87.0 | 3.43 | 0.36 | 1.67 | 0.92 | 30.6 | 18.8 | 1.62 |
| | 1.6250 | 93.662 | 3.6875 | 31.750 | 1.2500 | 31.750 | 1.2500 | 26.195 | 1.0313 | 0.8 | 0.03 | 3.2 | 0.13 | 132 | 134 | 20.2 | **46162** | **46368** | 24.0 | 0.94 | 52.0 | 2.05 | 51.0 | 2.01 | 79.0 | 3.11 | 87.0 | 3.43 | 0.40 | 1.49 | 0.82 | 30.8 | 21.1 | 1.46 |
| | 1.6250 | 95.250 | 3.7500 | 27.783 | 1.0938 | 29.901 | 1.1772 | 22.225 | 0.8750 | 1.2 | 0.05 | 2.4 | 0.09 | 129 | 122 | 18.8 | **439** | **432** | 18.4 | 0.72 | 51.0 | 2.01 | 48.5 | 1.91 | 83.0 | 3.27 | 87.0 | 3.43 | 0.28 | 2.11 | 1.16 | 30.0 | 14.6 | 2.06 |
| | 1.6250 | 95.250 | 3.7500 | 27.783 | 1.0938 | 29.901 | 1.1772 | 22.225 | 0.8750 | 3.6 | 0.14 | 0.8 | 0.03 | 129 | 122 | 18.8 | **447** | **432A** | 18.4 | 0.72 | 55.0 | 2.17 | 48.5 | 1.91 | 84.0 | 3.31 | 87.0 | 3.43 | 0.28 | 2.11 | 1.16 | 30.0 | 14.6 | 2.06 |
| | 1.6250 | 95.250 | 3.7500 | 30.162 | 1.1875 | 29.370 | 1.1563 | 23.020 | 0.9063 | 3.6 | 0.14 | 3.2 | 0.13 | 130 | 140 | 20.7 | **HM804840** | **HM804810** | 26.5 | 1.04 | 61.0 | 2.40 | 54.0 | 2.13 | 81.0 | 3.19 | 91.0 | 3.58 | 0.55 | 1.10 | 0.60 | 30.4 | 28.4 | 1.07 |
| | 1.6250 | 101.600 | 4.0000 | 34.925 | 1.3750 | 36.068 | 1.4200 | 26.988 | 1.0625 | 3.6 | 0.14 | 3.2 | 0.13 | 164 | 159 | 24.8 | **526** | **522** | 22.2 | 0.87 | 57.0 | 2.24 | 50.0 | 1.97 | 89.0 | 3.50 | 95.0 | 3.74 | 0.29 | 2.10 | 1.16 | 38.4 | 18.7 | 2.05 |
| | 1.6250 | 101.600 | 4.0000 | 34.925 | 1.3750 | 36.068 | 1.4200 | 26.988 | 1.0625 | 0.8 | 0.03 | 3.2 | 0.13 | 164 | 159 | 24.8 | **526A** | **522** | 22.2 | 0.87 | 52.0 | 2.05 | 50.0 | 1.97 | 89.0 | 3.50 | 95.0 | 3.74 | 0.29 | 2.10 | 1.16 | 38.4 | 18.7 | 2.05 |
| | 1.6250 | 104.775 | 4.1250 | 30.162 | 1.1875 | 29.317 | 1.1542 | 24.605 | 0.9687 | 1.6 | 0.06 | 3.2 | 0.13 | 136 | 144 | 22.2 | **464A** | **453X** | 23.6 | 0.93 | 54.0 | 2.13 | 52.0 | 2.05 | 92.0 | 3.62 | 98.0 | 3.86 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 1.6250 | 104.775 | 4.1250 | 36.512 | 1.4375 | 36.512 | 1.4375 | 28.575 | 1.1250 | 1.6 | 0.06 | 3.2 | 0.13 | 185 | 187 | 28.6 | **59162** | **59412** | 26.9 | 1.06 | 55.0 | 2.17 | 54.0 | 2.13 | 92.0 | 3.62 | 99.0 | 3.90 | 0.40 | 1.49 | 0.82 | 43.2 | 29.6 | 1.46 |
| | 1.6250 | 104.775 | 4.1250 | 36.512 | 1.4375 | 36.512 | 1.4375 | 28.575 | 1.1250 | 1.6 | 0.06 | 3.2 | 0.13 | 176 | 195 | 29.3 | **HM807035** | **HM807010** | 29.3 | 1.15 | 60.0 | 2.36 | 57.0 | 2.24 | 89.0 | 3.50 | 100.0 | 3.94 | 0.49 | 1.23 | 0.68 | 41.3 | 34.4 | 1.20 |
| | 1.6250 | 107.950 | 4.2500 | 27.783 | 1.0938 | 29.317 | 1.1542 | 22.225 | 0.8750 | 2.4 | 0.09 | 0.8 | 0.03 | 136 | 144 | 22.2 | **464** | **453A** | 23.6 | 0.93 | 56.0 | 2.20 | 52.0 | 2.05 | 97.0 | 3.82 | 100.0 | 3.94 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 1.6250 | 107.950 | 4.2500 | 36.512 | 1.4375 | 36.957 | 1.4550 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 172 | 172 | 26.8 | **541** | **532X** | 23.9 | 0.94 | 58.0 | 2.28 | 52.0 | 2.05 | 94.0 | 3.70 | 100.0 | 3.94 | 0.30 | 2.03 | 1.11 | 40.4 | 20.5 | 1.97 |
| **42.000** | 1.6535 | 76.200 | 3.0000 | 18.009 | 0.7090 | 17.384 | 0.6844 | 14.288 | 0.5625 | 2.0 | 0.08 | 1.6 | 0.06 | 64.7 | 63.3 | 9.15 | **11165XR** | **11300** | 17.5 | 0.69 | 51.0 | 2.01 | 46.0 | 1.81 | 67.0 | 2.64 | 72.0 | 2.83 | 0.49 | 1.23 | 0.68 | 14.9 | 12.4 | 1.20 |
| | 1.6535 | 76.200 | 3.0000 | 18.009 | 0.7090 | 17.384 | 0.6844 | 14.288 | 0.5625 | 4.3 | 0.17 | 3.6 | 0.14 | 64.7 | 63.3 | 9.15 | **11165XSR** | **11300** | 17.5 | 0.69 | 53.0 | 2.09 | 46.0 | 1.81 | 67.0 | 2.64 | 72.0 | 2.83 | 0.49 | 1.23 | 0.68 | 14.9 | 12.4 | 1.20 |
| **42.070** | 1.6563 | 90.488 | 3.5625 | 39.688 | 1.5625 | 40.386 | 1.5900 | 33.338 | 1.3125 | 3.6 | 0.14 | 3.2 | 0.13 | 166 | 169 | 25.9 | **4395** | **4335** | 25.6 | 1.01 | 58.0 | 2.28 | 51.0 | 2.01 | 77.0 | 3.03 | 85.0 | 3.35 | 0.28 | 2.11 | 1.16 | 38.8 | 18.9 | 2.06 |
| **42.850** | 1.6870 | 104.775 | 4.1250 | 30.162 | 1.1875 | 29.317 | 1.1542 | 24.605 | 0.9687 | 0.8 | 0.03 | 3.2 | 0.13 | 136 | 144 | 22.2 | **461** | **453X** | 23.6 | 0.93 | 54.5 | 2.15 | 54.0 | 2.13 | 92.0 | 3.62 | 98.0 | 3.86 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| **42.862** | 1.6875 | 76.992 | 3.0312 | 17.463 | 0.6875 | 17.145 | 0.6750 | 11.908 | 0.4688 | 1.6 | 0.06 | 1.6 | 0.06 | 56.6 | 62.2 | 8.15 | **12168** | **12303** | 17.5 | 0.69 | 51.0 | 2.01 | 48.5 | 1.91 | 68.0 | 2.68 | 73.0 | 2.87 | 0.51 | 1.19 | 0.65 | 13.0 | 11.3 | 1.16 |
| | 1.6875 | 82.931 | 3.2650 | 26.988 | 1.0625 | 25.400 | 1.0000 | 22.225 | 0.8750 | 2.4 | 0.09 | 2.4 | 0.09 | 96.8 | 100 | 15.1 | **25578** | **25523** | 20.7 | 0.81 | 53.0 | 2.09 | 49.5 | 1.95 | 72.0 | 2.83 | 77.0 | 3.03 | 0.33 | 1.79 | 0.99 | 22.5 | 12.9 | 1.75 |
| | 1.6875 | 83.058 | 3.2700 | 23.812 | 0.9375 | 25.400 | 1.0000 | 19.050 | 0.7500 | 3.6 | 0.14 | 3.2 | 0.13 | 96.8 | 100 | 15.1 | **25576** | **25521** | 17.5 | 0.69 | 55.0 | 2.17 | 49.0 | 1.93 | 72.0 | 2.83 | 77.0 | 3.03 | 0.33 | 1.79 | 0.99 | 22.5 | 12.9 | 1.75 |
| | 1.6875 | 84.138 | 3.3125 | 30.162 | 1.1875 | 30.886 | 1.2160 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 120 | 120 | 18.2 | **3579R** | **3520** | 20.5 | 0.81 | 56.0 | 2.20 | 49.5 | 1.95 | 74.0 | 2.91 | 79.5 | 3.13 | 0.31 | 1.96 | 1.08 | 27.9 | 14.6 | 1.91 |
| | 1.6875 | 85.000 | 3.3464 | 25.400 | 1.0000 | 25.608 | 1.0082 | 20.638 | 0.8125 | 3.6 | 0.14 | 1.2 | 0.05 | 100 | 106 | 16.0 | **2973** | **2924** | 18.9 | 0.74 | 55.0 | 2.17 | 49.0 | 1.93 | 76.0 | 2.99 | 80.0 | 3.15 | 0.35 | 1.73 | 0.95 | 23.3 | 13.8 | 1.69 |
| | 1.6875 | 114.300 | 4.5000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 34.925 | 1.3750 | 2.0 | 0.08 | 3.2 | 0.13 | 237 | 230 | 35.1 | **65383** | **65320** | 31.7 | 1.25 | 60.0 | 2.36 | 56.0 | 2.20 | 97.0 | 3.82 | 107.0 | 4.21 | 0.43 | 1.40 | 0.77 | 55.4 | 40.7 | 1.36 |
| **42.875** | 1.6880 | 76.200 | 3.0000 | 25.400 | 1.0000 | 25.400 | 1.0000 | 20.638 | 0.8125 | 1.6 | 0.06 | 1.6 | 0.06 | 101 | 105 | 15.8 | **26886R** | **26823** | 18.0 | 0.71 | 51.0 | 2.01 | 48.5 | 1.91 | 69.0 | 2.72 | 73.0 | 2.87 | 0.32 | 1.88 | 1.04 | 23.5 | 12.8 | 1.83 |
| | 1.6880 | 79.375 | 3.1250 | 23.812 | 0.9375 | 25.400 | 1.0000 | 19.050 | 0.7500 | 3.6 | 0.14 | 0.8 | 0.03 | 101 | 105 | 15.8 | **26884R** | **26822** | 16.1 | 0.63 | 55.0 | 2.17 | 48.5 | 1.91 | 71.0 | 2.80 | 74.0 | 2.91 | 0.32 | 1.88 | 1.04 | 23.5 | 12.8 | 1.83 |
| | 1.6880 | 80.000 | 3.1496 | 21.000 | 0.8268 | 22.403 | 0.8820 | 17.826 | 0.7018 | 3.6 | 0.14 | 1.2 | 0.05 | 85.0 | 74.8 | 11.4 | **342S** | **332** | 15.1 | 0.59 | 54.0 | 2.13 | 47.5 | 1.87 | 73.0 | 2.87 | 75.0 | 2.95 | 0.27 | 2.20 | 1.21 | 19.6 | 9.15 | 2.14 |
| | 1.6880 | 80.167 | 3.1562 | 25.400 | 1.0000 | 25.400 | 1.0000 | 20.638 | 0.8125 | 3.6 | 0.14 | 3.2 | 0.13 | 101 | 105 | 15.8 | **26884R** | **26820** | 18.0 | 0.71 | 55.0 | 2.17 | 48.5 | 1.91 | 69.0 | 2.72 | 74.0 | 2.91 | 0.32 | 1.88 | 1.04 | 23.5 | 12.8 | 1.83 |
| | 1.6880 | 82.931 | 3.2650 | 23.812 | 0.9375 | 25.400 | 1.0000 | 19.050 | 0.7500 | 3.6 | 0.14 | 0.8 | 0.03 | 96.8 | 100 | 15.1 | **25577** | **25520** | 17.5 | 0.69 | 55.0 | 2.17 | 49.0 | 1.93 | 74.0 | 2.91 | 77.0 | 3.03 | 0.33 | 1.79 | 0.99 | 22.5 | 12.9 | 1.75 |
| | 1.6880 | 83.058 | 3.2700 | 23.812 | 0.9375 | 25.400 | 1.0000 | 19.050 | 0.7500 | 3.6 | 0.14 | 3.2 | 0.13 | 96.8 | 100 | 15.1 | **25577** | **25521** | 17.5 | 0.69 | 55.0 | 2.17 | 49.0 | 1.93 | 72.0 | 2.83 | 77.0 | 3.03 | 0.33 | 1.79 | 0.99 | 22.5 | 12.9 | 1.75 |
| **44.450** | 1.7500 | 73.025 | 2.8750 | 18.258 | 0.7188 | 18.258 | 0.7188 | 15.083 | 0.5938 | 1.6 | 0.06 | 1.6 | 0.06 | 59.4 | 65.5 | 9.50 | **L102849** | **L102810** | 14.6 | 0.57 | 51.0 | 2.01 | 49.0 | 1.93 | 66.0 | 2.60 | 69.0 | 2.72 | 0.32 | 1.88 | 1.04 | 13.7 | 7.45 | 1.84 |
| | 1.7500 | 76.992 | 3.0312 | 17.463 | 0.6875 | 17.145 | 0.6750 | 11.908 | 0.4688 | 1.6 | 0.06 | 1.6 | 0.06 | 60.8 | 62.2 | 8.95 | **12175** | **12303** | 17.5 | 0.69 | 52.0 | 2.05 | 49.5 | 1.95 | 68.0 | 2.68 | 73.0 | 2.87 | 0.51 | 1.19 | 0.65 | 13.0 | 11.3 | 1.16 |
| | 1.7500 | 79.375 | 3.1250 | 17.462 | 0.6875 | 17.462 | 0.6875 | 13.495 | 0.5313 | 2.8 | 0.11 | 1.6 | 0.06 | 59.2 | 59.1 | 8.65 | **18685** | **18620** | 16.0 | 0.63 | 54.0 | 2.13 | 49.5 | 1.95 | 71.0 | 2.80 | 74.0 | 2.91 | 0.37 | 1.60 | 0.88 | 13.6 | 8.70 | 1.56 |
| | 1.7500 | 82.931 | 3.2650 | 23.812 | 0.9375 | 25.400 | 1.0000 | 19.050 | 0.7500 | 3.6 | 0.14 | 2.4 | 0.09 | 96.8 | 100 | 15.1 | **25580** | **25524** | 17.5 | 0.69 | 57.0 | 2.24 | 50.0 | 1.97 | 72.0 | 2.83 | 77.0 | 3.03 | 0.33 | 1.79 | 0.99 | 22.5 | 12.9 | 1.75 |
| | 1.7500 | 82.931 | 3.2650 | 23.812 | 0.9375 | 25.400 | 1.0000 | 19.050 | 0.7500 | 5.2 | 0.20 | 0.8 | 0.03 | 96.8 | 100 | 15.1 | **25582** | **25520** | 17.5 | 0.69 | 59.0 | 2.32 | 51.0 | 2.01 | 74.0 | 2.91 | 77.0 | 3.03 | 0.33 | 1.79 | 0.99 | 22.5 | 12.9 | 1.75 |
| | 1.7500 | 82.931 | 3.2650 | 36.830 | 1.4500 | 35.878 | 1.4125 | 19.050 | 0.7500 | SP[1)] | SP[1)] | 0.8 | 0.03 | 96.8 | 100 | 15.1 | **25583** | **25520** | 17.5 | 0.69 | 59.0 | 2.32 | 51.0 | 2.01 | 74.0 | 2.91 | 77.0 | 3.03 | 0.33 | 1.79 | 0.99 | 22.5 | 12.9 | 1.75 |
| | 1.7500 | 83.058 | 3.2700 | 23.876 | 0.9400 | 25.400 | 1.0000 | 19.114 | 0.7525 | 0.5 | 0.02 | 2.0 | 0.08 | 96.8 | 100 | 15.1 | **25581** | **25522** | 17.6 | 0.69 | 51.0 | 2.01 | 50.0 | 1.97 | 73.0 | 2.87 | 77.0 | 3.03 | 0.33 | 1.79 | 0.99 | 22.5 | 12.9 | 1.75 |
| | 1.7500 | 84.138 | 3.3125 | 30.162 | 1.1875 | 30.886 | 1.2160 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 120 | 120 | 18.2 | **3578R** | **3520** | 20.5 | 0.81 | 57.0 | 2.24 | 51.0 | 2.01 | 74.0 | 2.91 | 79.5 | 3.13 | 0.31 | 1.96 | 1.08 | 27.9 | 14.6 | 1.91 |
| | 1.7500 | 85.000 | 3.3465 | 19.000 | 0.7480 | 21.692 | 0.8540 | 19.000 | 0.7480 | 2.4 | 0.09 | 2.0 | 0.08 | 89.6 | 81.7 | 12.4 | **355** | **354** | 13.7 | 0.54 | 54.0 | 2.13 | 50.0 | 1.97 | 77.0 | 3.03 | 81.0 | 3.19 | 0.31 | 1.96 | 1.08 | 20.7 | 10.8 | 1.91 |
| | 1.7500 | 85.000 | 3.3465 | 20.638 | 0.8125 | 21.692 | 0.8540 | 17.462 | 0.6875 | 2.4 | 0.09 | 1.2 | 0.05 | 89.6 | 81.7 | 12.4 | **355** | **354A** | 15.5 | 0.61 | 54.0 | 2.13 | 50.0 | 1.97 | 77.0 | 3.03 | 80.0 | 3.15 | 0.31 | 1.96 | 1.08 | 20.7 | 10.8 | 1.91 |

Nota 1) SP indica radio especial.

# Tipo TS

## $d$ (44.450) mm
## (1.7500) pulgadas




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

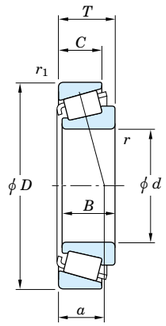
| Dimensiones Principales | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **44.450** | 1.7500 | 85.000 | 3.3465 | 20.638 | 0.8125 | 21.692 | 0.8540 | 17.462 | 0.6875 | 0.8 | 0.03 | 1.2 | 0.05 | 89.6 | 81.7 | 12.4 | **355A** | **354A** | 15.5 | 0.61 | 51.0 | 2.01 | 50.0 | 1.97 | 77.0 | 3.03 | 80.0 | 3.15 | 0.31 | 1.96 | 1.08 | 20.7 | 10.8 | 1.91 |
| | 1.7500 | 85.000 | 3.3465 | 20.638 | 0.8125 | 21.692 | 0.8540 | 17.462 | 0.6875 | 3.6 | 0.14 | 1.2 | 0.05 | 89.6 | 81.7 | 12.4 | **355X** | **354A** | 15.5 | 0.61 | 56.0 | 2.20 | 50.0 | 1.97 | 77.0 | 3.03 | 80.0 | 3.15 | 0.31 | 1.96 | 1.08 | 20.7 | 10.8 | 1.91 |
| | 1.7500 | 85.000 | 3.3465 | 23.812 | 0.9375 | 25.400 | 1.0000 | 19.050 | 0.7500 | 3.6 | 0.14 | 2.4 | 0.09 | 96.8 | 100 | 15.1 | **25580** | **25526** | 17.5 | 0.69 | 57.0 | 2.24 | 50.0 | 1.97 | 74.0 | 2.91 | 78.0 | 3.07 | 0.33 | 1.79 | 0.99 | 22.5 | 12.9 | 1.75 |
| | 1.7500 | 85.000 | 3.3465 | 25.400 | 1.0000 | 25.608 | 1.0082 | 20.638 | 0.8125 | 3.6 | 0.14 | 1.2 | 0.05 | 100 | 106 | 16.0 | **2975** | **2924** | 18.9 | 0.74 | 54.0 | 2.13 | 51.0 | 2.01 | 76.0 | 2.99 | 80.0 | 3.15 | 0.35 | 1.73 | 0.95 | 23.3 | 13.8 | 1.69 |
| | 1.7500 | 87.312 | 3.4375 | 30.162 | 1.1875 | 30.886 | 1.2160 | 23.812 | 0.9375 | 5.6 | 0.22 | 3.2 | 0.13 | 120 | 120 | 18.2 | **3578AR** | **3525** | 20.5 | 0.81 | 57.0 | 2.24 | 51.0 | 2.01 | 75.0 | 2.95 | 81.0 | 3.19 | 0.31 | 1.96 | 1.08 | 27.9 | 14.6 | 1.91 |
| | 1.7500 | 88.900 | 3.5000 | 30.162 | 1.1875 | 29.370 | 1.1563 | 23.020 | 0.9063 | 3.6 | 0.14 | 3.2 | 0.13 | 124 | 125 | 18.5 | **HM803149** | **HM803110** | 26.1 | 1.03 | 62.0 | 2.44 | 53.4 | 2.10 | 74.0 | 2.91 | 85.0 | 3.35 | 0.55 | 1.10 | 0.60 | 28.8 | 26.9 | 1.07 |
| | 1.7500 | 90.000 | 3.5433 | 23.000 | 0.9055 | 21.692 | 0.8540 | 23.000 | 0.9055 | 2.4 | 0.09 | 2.0 | 0.08 | 89.6 | 81.7 | 12.4 | **355** | **353** | 17.8 | 0.70 | 54.0 | 2.13 | 50.0 | 1.97 | 78.0 | 3.07 | 81.0 | 3.19 | 0.31 | 1.96 | 1.08 | 20.7 | 10.8 | 1.91 |
| | 1.7500 | 90.488 | 3.5625 | 39.688 | 1.5625 | 40.386 | 1.5900 | 33.338 | 1.3125 | 3.6 | 0.14 | 3.2 | 0.13 | 166 | 169 | 25.9 | **4370** | **4335** | 25.6 | 1.01 | 57.0 | 2.24 | 51.0 | 2.01 | 77.0 | 3.03 | 85.0 | 3.35 | 0.28 | 2.11 | 1.16 | 38.8 | 18.9 | 2.06 |
| | 1.7500 | 93.264 | 3.6718 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 129 | 137 | 20.9 | **3782** | **3730** | 22.2 | 0.87 | 58.0 | 2.28 | 52.0 | 2.05 | 84.0 | 3.31 | 88.0 | 3.46 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 1.7500 | 93.264 | 3.6718 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 6.4 | 0.25 | 3.2 | 0.13 | 129 | 137 | 20.9 | **3783** | **3720** | 22.2 | 0.87 | 64.0 | 2.52 | 54.0 | 2.13 | 82.0 | 3.23 | 88.0 | 3.46 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 1.7500 | 93.264 | 3.6718 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 6.4 | 0.25 | 0.8 | 0.03 | 129 | 137 | 20.9 | **3783** | **3730** | 22.2 | 0.87 | 64.0 | 2.52 | 54.0 | 2.13 | 84.0 | 3.31 | 88.0 | 3.46 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 1.7500 | 93.662 | 3.6875 | 31.750 | 1.2500 | 31.750 | 1.2500 | 25.400 | 1.0000 | 3.6 | 0.14 | 3.2 | 0.13 | 131 | 123 | 18.8 | **49175** | **49368** | 22.9 | 0.90 | 59.0 | 2.32 | 53.0 | 2.09 | 82.0 | 3.23 | 87.0 | 3.43 | 0.36 | 1.67 | 0.92 | 30.6 | 18.8 | 1.62 |
| | 1.7500 | 93.662 | 3.6875 | 31.750 | 1.2500 | 31.750 | 1.2500 | 25.400 | 1.0000 | 0.8 | 0.03 | 3.2 | 0.13 | 131 | 123 | 18.8 | **49176** | **49368** | 22.9 | 0.90 | 54.0 | 2.13 | 53.0 | 2.09 | 82.0 | 3.23 | 87.0 | 3.43 | 0.36 | 1.67 | 0.92 | 30.6 | 18.8 | 1.62 |
| | 1.7500 | 93.662 | 3.6875 | 31.750 | 1.2500 | 31.750 | 1.2500 | 26.195 | 1.0313 | 0.8 | 0.03 | 3.2 | 0.13 | 132 | 134 | 20.2 | **46175** | **46368** | 24.0 | 0.94 | 55.0 | 2.17 | 54.0 | 2.13 | 79.0 | 3.11 | 87.0 | 3.43 | 0.40 | 1.49 | 0.82 | 30.8 | 21.1 | 1.46 |
| | 1.7500 | 93.662 | 3.6875 | 31.750 | 1.2500 | 31.750 | 1.2500 | 26.195 | 1.0313 | 3.6 | 0.14 | 3.2 | 0.13 | 132 | 134 | 20.2 | **46176** | **46368** | 24.0 | 0.94 | 60.0 | 2.36 | 54.0 | 2.13 | 79.0 | 3.11 | 87.0 | 3.43 | 0.40 | 1.49 | 0.82 | 30.8 | 21.1 | 1.46 |
| | 1.7500 | 93.662 | 3.6875 | 31.750 | 1.2500 | 31.750 | 1.2500 | 26.195 | 1.0313 | 3.6 | 0.14 | 1.2 | 0.05 | 132 | 134 | 20.2 | **46176** | **46369** | 24.0 | 0.94 | 60.0 | 2.36 | 54.0 | 2.13 | 79.0 | 3.11 | 87.0 | 3.43 | 0.40 | 1.49 | 0.82 | 30.8 | 21.1 | 1.46 |
| | 1.7500 | 95.250 | 3.7500 | 27.783 | 1.0938 | 28.575 | 1.1250 | 22.225 | 0.8750 | 0.8 | 0.03 | 2.4 | 0.09 | 135 | 141 | 21.6 | **33885** | **33821** | 20.4 | 0.80 | 53.0 | 2.09 | 53.0 | 2.09 | 85.0 | 3.35 | 90.0 | 3.54 | 0.33 | 1.82 | 1.00 | 31.4 | 17.7 | 1.77 |
| | 1.7500 | 95.250 | 3.7500 | 27.783 | 1.0938 | 29.901 | 1.1772 | 22.225 | 0.8750 | 0.8 | 0.03 | 2.4 | 0.09 | 129 | 122 | 18.8 | **435** | **432** | 18.4 | 0.72 | 52.0 | 2.05 | 51.0 | 2.01 | 83.0 | 3.27 | 87.0 | 3.43 | 0.28 | 2.11 | 1.16 | 30.0 | 14.6 | 2.06 |
| | 1.7500 | 95.250 | 3.7500 | 27.783 | 1.0938 | 29.901 | 1.1772 | 22.225 | 0.8750 | 3.6 | 0.14 | 0.8 | 0.03 | 129 | 122 | 18.8 | **438** | **432A** | 18.4 | 0.72 | 57.0 | 2.24 | 51.0 | 2.01 | 84.0 | 3.31 | 87.0 | 3.43 | 0.28 | 2.11 | 1.16 | 30.0 | 14.6 | 2.06 |
| | 1.7500 | 95.250 | 3.7500 | 30.162 | 1.1875 | 29.370 | 1.1563 | 23.020 | 0.9063 | 0.8 | 0.03 | 2.4 | 0.09 | 130 | 140 | 20.7 | **HM804842** | **HM804810** | 26.5 | 1.04 | 57.0 | 2.24 | 57.0 | 2.24 | 81.0 | 3.19 | 91.0 | 3.58 | 0.55 | 1.10 | 0.60 | 30.4 | 28.4 | 1.07 |
| | 1.7500 | 95.250 | 3.7500 | 30.162 | 1.1875 | 29.370 | 1.1563 | 23.020 | 0.9063 | 3.6 | 0.14 | 2.4 | 0.09 | 130 | 140 | 20.7 | **HM804843** | **HM804810** | 26.5 | 1.04 | 63.0 | 2.48 | 57.0 | 2.24 | 81.0 | 3.19 | 91.0 | 3.58 | 0.55 | 1.10 | 0.60 | 30.4 | 28.4 | 1.07 |
| | 1.7500 | 95.250 | 3.7500 | 30.162 | 1.1875 | 29.370 | 1.1563 | 23.020 | 0.9063 | 3.6 | 0.14 | 0.8 | 0.03 | 130 | 140 | 20.7 | **HM804843** | **HM804811** | 26.5 | 1.04 | 63.0 | 2.48 | 57.0 | 2.24 | 83.0 | 3.27 | 91.0 | 3.58 | 0.55 | 1.10 | 0.60 | 30.4 | 28.4 | 1.07 |
| | 1.7500 | 98.425 | 3.8750 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 6.4 | 0.25 | 3.2 | 0.13 | 129 | 137 | 20.9 | **3783** | **3732** | 22.2 | 0.87 | 64.0 | 2.52 | 54.0 | 2.13 | 84.0 | 3.31 | 90.0 | 3.54 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 1.7500 | 98.425 | 3.8750 | 30.162 | 1.1875 | 31.750 | 1.2500 | 25.400 | 1.0000 | 0.8 | 0.03 | 3.2 | 0.13 | 143 | 143 | 21.9 | **49576** | **49520** | 24.1 | 0.95 | 55.0 | 2.17 | 54.0 | 2.13 | 88.0 | 3.46 | 96.0 | 3.78 | 0.40 | 1.50 | 0.82 | 33.4 | 22.8 | 1.46 |
| | 1.7500 | 101.600 | 4.0000 | 31.750 | 1.2500 | 31.750 | 1.2500 | 25.400 | 1.0000 | 0.8 | 0.03 | 0.8 | 0.03 | 143 | 143 | 21.9 | **49576** | **49522** | 24.1 | 0.95 | 55.0 | 2.17 | 54.0 | 2.13 | 90.0 | 3.54 | 96.0 | 3.78 | 0.40 | 1.50 | 0.82 | 33.4 | 22.8 | 1.46 |
| | 1.7500 | 101.600 | 4.0000 | 31.750 | 1.2500 | 31.750 | 1.2500 | 25.400 | 1.0000 | 3.6 | 0.14 | 3.2 | 0.13 | 143 | 143 | 21.9 | **49577** | **49520** | 24.1 | 0.95 | 60.0 | 2.36 | 54.0 | 2.13 | 88.0 | 3.46 | 96.0 | 3.78 | 0.40 | 1.50 | 0.82 | 33.4 | 22.8 | 1.46 |
| | 1.7500 | 101.600 | 4.0000 | 34.925 | 1.3750 | 36.068 | 1.4200 | 26.988 | 1.0625 | 3.6 | 0.14 | 3.2 | 0.13 | 164 | 159 | 24.8 | **527** | **522** | 22.2 | 0.87 | 59.0 | 2.32 | 53.0 | 2.09 | 89.0 | 3.50 | 95.0 | 3.74 | 0.29 | 2.10 | 1.16 | 38.4 | 18.7 | 2.05 |
| | 1.7500 | 104.775 | 4.1250 | 30.162 | 1.1875 | 30.958 | 1.2188 | 23.812 | 0.9375 | 0.8 | 0.03 | 0.8 | 0.03 | 157 | 165 | 25.6 | **45280** | **45221** | 22.2 | 0.87 | 55.0 | 2.17 | 54.0 | 2.13 | 95.0 | 3.74 | 99.0 | 3.90 | 0.33 | 1.80 | 0.99 | 36.6 | 20.8 | 1.76 |
| | 1.7500 | 104.775 | 4.1250 | 36.512 | 1.4375 | 36.512 | 1.4375 | 28.575 | 1.1250 | 3.6 | 0.14 | 1.0 | 0.04 | 185 | 187 | 28.6 | **59175** | **59413** | 26.9 | 1.06 | 63.0 | 2.48 | 56.0 | 2.20 | 92.0 | 3.62 | 99.0 | 3.90 | 0.40 | 1.49 | 0.82 | 43.2 | 29.6 | 1.46 |
| | 1.7500 | 104.775 | 4.1250 | 36.512 | 1.4375 | 36.512 | 1.4375 | 28.575 | 1.1250 | 0.8 | 0.03 | 3.2 | 0.13 | 185 | 187 | 28.6 | **59176** | **59412** | 26.9 | 1.06 | 57.0 | 2.24 | 56.0 | 2.20 | 92.0 | 3.62 | 99.0 | 3.90 | 0.40 | 1.49 | 0.82 | 43.2 | 29.6 | 1.46 |
| | 1.7500 | 104.775 | 4.1250 | 36.512 | 1.4375 | 36.512 | 1.4375 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 176 | 195 | 29.3 | **HM807040** | **HM807010** | 29.3 | 1.15 | 66.0 | 2.60 | 59.0 | 2.32 | 89.0 | 3.50 | 100.0 | 3.94 | 0.49 | 1.23 | 0.68 | 41.3 | 34.4 | 1.20 |
| | 1.7500 | 107.950 | 4.2500 | 27.783 | 1.0938 | 29.317 | 1.1542 | 22.225 | 0.8750 | 0.8 | 0.03 | 0.8 | 0.03 | 136 | 144 | 22.2 | **458** | **453A** | 23.6 | 0.93 | 55.0 | 2.17 | 54.0 | 2.13 | 97.0 | 3.82 | 100.0 | 3.94 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 1.7500 | 107.950 | 4.2500 | 27.783 | 1.0938 | 29.317 | 1.1542 | 22.225 | 0.8750 | 3.6 | 0.14 | 0.8 | 0.03 | 136 | 144 | 22.2 | **460** | **453A** | 23.6 | 0.93 | 60.0 | 2.36 | 54.0 | 2.13 | 97.0 | 3.82 | 100.0 | 3.94 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 1.7500 | 107.950 | 4.2500 | 36.512 | 1.4375 | 36.512 | 1.4375 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 185 | 187 | 28.6 | **59175** | **59425** | 26.9 | 1.06 | 63.0 | 2.48 | 56.0 | 2.20 | 93.0 | 3.66 | 101.0 | 3.98 | 0.40 | 1.49 | 0.82 | 43.2 | 29.6 | 1.46 |
| | 1.7500 | 111.125 | 4.3750 | 38.100 | 1.5000 | 36.957 | 1.4550 | 30.162 | 1.1875 | 3.6 | 0.14 | 3.2 | 0.13 | 172 | 172 | 26.8 | **535** | **532A** | 23.9 | 0.94 | 60.0 | 2.36 | 54.0 | 2.13 | 95.0 | 3.74 | 100.0 | 3.94 | 0.30 | 2.03 | 1.11 | 40.4 | 20.5 | 1.97 |
| | 1.7500 | 111.125 | 4.3750 | 38.100 | 1.5000 | 36.957 | 1.4550 | 33.338 | 1.3125 | 3.6 | 0.14 | 3.2 | 0.13 | 172 | 172 | 26.8 | **535** | **532** | 23.9 | 0.94 | 60.0 | 2.36 | 54.0 | 2.13 | 95.0 | 3.74 | 100.0 | 3.94 | 0.30 | 2.03 | 1.11 | 40.4 | 20.5 | 1.97 |
| | 1.7500 | 114.300 | 4.5000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 34.925 | 1.3750 | 2.0 | 0.08 | 3.2 | 0.13 | 237 | 230 | 35.1 | **65384** | **65320** | 31.7 | 1.25 | 62.0 | 2.44 | 56.0 | 2.20 | 97.0 | 3.82 | 107.0 | 4.21 | 0.43 | 1.40 | 0.77 | 55.4 | 40.7 | 1.36 |
| | 1.7500 | 114.300 | 4.5000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 34.925 | 1.3750 | 2.0 | 0.08 | 0.8 | 0.03 | 237 | 230 | 35.1 | **65384** | **65321** | 31.7 | 1.25 | 62.0 | 2.44 | 56.0 | 2.20 | 98.0 | 3.86 | 107.0 | 4.21 | 0.43 | 1.40 | 0.77 | 55.4 | 40.7 | 1.36 |
| | 1.7500 | 114.300 | 4.5000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 34.925 | 1.3750 | 3.6 | 0.14 | 3.2 | 0.13 | 237 | 230 | 35.1 | **65385** | **65320** | 31.7 | 1.25 | 65.0 | 2.56 | 56.0 | 2.20 | 97.0 | 3.82 | 107.0 | 4.21 | 0.43 | 1.40 | 0.77 | 55.4 | 40.7 | 1.36 |
| | 1.7500 | 120.040 | 4.7260 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 218 | 217 | 34.0 | **615** | **612A** | 27.3 | 1.07 | 62.0 | 2.44 | 56.0 | 2.20 | 103.0 | 4.06 | 109.0 | 4.29 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| | 1.7500 | 120.650 | 4.7500 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 218 | 217 | 34.0 | **615** | **612** | 27.3 | 1.07 | 62.0 | 2.44 | 56.0 | 2.20 | 105.0 | 4.13 | 110.0 | 4.33 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |

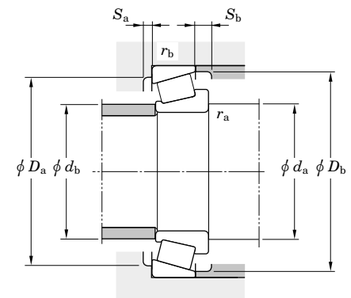
Nota 1) SP indica radio especial.

## Tipo TS

**$d$ 44.869 ~ (47.625) mm**

**1.7665 ~ (1.8750) pulgadas**




$P = XF_r + YF_a$
$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$

| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
|---|---|---|---|
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

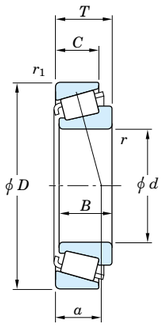
| Dimensiones Principales | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **44.869** | 1.7665 | 92.075 | 3.6250 | 24.608 | 0.9688 | 25.400 | 1.0000 | 19.845 | 0.7813 | 3.6 | 0.14 | 0.8 | 0.03 | 107 | 119 | 17.9 | **28576R** | **28521** | 19.9 | 0.78 | 59.0 | 2.32 | 53.0 | 2.09 | 83.0 | 3.27 | 87.0 | 3.43 | 0.38 | 1.59 | 0.87 | 24.7 | 15.9 | 1.55 |
| **44.983** | 1.7710 | 85.000 | 3.3465 | 26.988 | 1.0625 | 25.400 | 1.0000 | 22.225 | 0.8750 | 1.6 | 0.06 | 2.4 | 0.09 | 96.8 | 100 | 15.1 | **25584** | **25527** | 20.7 | 0.81 | 53.0 | 2.09 | 51.0 | 2.01 | 73.0 | 2.87 | 78.0 | 3.07 | 0.33 | 1.79 | 0.99 | 22.5 | 12.9 | 1.75 |
| | 1.7710 | 93.264 | 3.6718 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 129 | 137 | 20.9 | **3776** | **3720** | 22.2 | 0.87 | 59.0 | 2.32 | 53.0 | 2.09 | 82.0 | 3.23 | 88.0 | 3.46 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 1.7710 | 101.600 | 4.0000 | 34.925 | 1.3750 | 36.068 | 1.4200 | 26.988 | 1.0625 | 4.3 | 0.17 | 3.2 | 0.13 | 164 | 159 | 24.8 | **527S** | **522** | 22.2 | 0.87 | 61.0 | 2.40 | 53.0 | 2.09 | 89.0 | 3.50 | 95.0 | 3.74 | 0.29 | 2.10 | 1.16 | 38.4 | 18.7 | 2.05 |
| **45.000** | 1.7717 | 85.000 | 3.3465 | 20.638 | 0.8125 | 21.692 | 0.8540 | 17.462 | 0.6875 | 1.6 | 0.06 | 1.2 | 0.05 | 89.6 | 81.7 | 12.4 | **358** | **354A** | 15.5 | 0.61 | 52.5 | 2.07 | 50.0 | 1.97 | 77.0 | 3.03 | 80.0 | 3.15 | 0.31 | 1.96 | 1.08 | 20.7 | 10.8 | 1.91 |
| | 1.7717 | 85.000 | 3.3465 | 20.638 | 0.8125 | 21.692 | 0.8540 | 17.462 | 0.6875 | 3.6 | 0.14 | 1.2 | 0.05 | 89.6 | 81.7 | 12.4 | **358A** | **354A** | 15.5 | 0.61 | 56.5 | 2.22 | 50.0 | 1.97 | 77.0 | 3.03 | 80.0 | 3.15 | 0.31 | 1.96 | 1.08 | 20.7 | 10.8 | 1.91 |
| | 1.7717 | 90.000 | 3.5433 | 20.000 | 0.7874 | 22.225 | 0.8750 | 15.875 | 0.6250 | 2.0 | 0.08 | 2.0 | 0.08 | 92.9 | 87.3 | 13.3 | **367** | **362** | 15.4 | 0.61 | 55.0 | 2.17 | 51.0 | 2.01 | 81.0 | 3.19 | 84.0 | 3.31 | 0.32 | 1.88 | 1.03 | 21.4 | 11.7 | 1.83 |
| | 1.7717 | 90.119 | 3.5480 | 23.000 | 0.9055 | 21.692 | 0.8540 | 21.808 | 0.8586 | 1.6 | 0.06 | 2.4 | 0.09 | 89.6 | 81.7 | 12.4 | **358** | **352** | 17.8 | 0.70 | 52.5 | 2.07 | 50.0 | 1.97 | 78.0 | 3.07 | 82.0 | 3.23 | 0.31 | 1.96 | 1.08 | 20.7 | 10.8 | 1.91 |
| | 1.7717 | 100.000 | 3.9370 | 25.000 | 0.9842 | 22.225 | 0.8750 | 21.824 | 0.8592 | 0.8 | 0.03 | 2.0 | 0.08 | 105 | 98.5 | 15.1 | **376** | **372** | 21.5 | 0.85 | 57.0 | 2.24 | 54.0 | 2.13 | 86.0 | 3.39 | 90.0 | 3.54 | 0.34 | 1.77 | 0.97 | 24.1 | 14.0 | 1.73 |
| | 1.7717 | 100.000 | 3.9370 | 25.000 | 0.9842 | 22.225 | 0.8750 | 21.824 | 0.8592 | 2.4 | 0.09 | 2.0 | 0.08 | 105 | 98.5 | 15.1 | **376A** | **372** | 21.5 | 0.85 | 57.0 | 2.24 | 54.0 | 2.13 | 86.0 | 3.39 | 90.0 | 3.54 | 0.34 | 1.77 | 0.97 | 24.1 | 14.0 | 1.73 |
| | 1.7717 | 104.775 | 4.1250 | 30.162 | 1.1875 | 29.317 | 1.1542 | 24.605 | 0.9687 | 2.4 | 0.09 | 3.2 | 0.13 | 136 | 144 | 22.2 | **458S** | **453X** | 23.6 | 0.93 | 59.0 | 2.32 | 55.0 | 2.17 | 92.0 | 3.62 | 98.0 | 3.86 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 1.7717 | 104.775 | 4.1250 | 39.688 | 1.5625 | 40.157 | 1.5810 | 33.338 | 1.3125 | 3.6 | 0.14 | 3.2 | 0.13 | 189 | 211 | 32.3 | **4559** | **4535** | 27.3 | 1.07 | 62.0 | 2.44 | 59.0 | 2.32 | 90.0 | 3.54 | 99.0 | 3.90 | 0.34 | 1.79 | 0.98 | 44.4 | 25.4 | 1.74 |
| **45.230** | 1.7807 | 79.985 | 3.1490 | 19.842 | 0.7812 | 20.638 | 0.8125 | 15.080 | 0.5937 | 2.0 | 0.08 | 1.2 | 0.05 | 69.1 | 70.8 | 10.4 | **17887** | **17831** | 15.9 | 0.63 | 52.0 | 2.05 | 49.5 | 1.95 | 72.0 | 2.83 | 76.0 | 2.99 | 0.37 | 1.64 | 0.90 | 15.9 | 9.95 | 1.60 |
| **45.237** | 1.7810 | 84.138 | 3.3125 | 30.162 | 1.1875 | 30.886 | 1.2160 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 120 | 120 | 18.2 | **3586R** | **3520** | 20.5 | 0.81 | 58.0 | 2.28 | 52.0 | 2.05 | 74.0 | 2.91 | 79.5 | 3.13 | 0.31 | 1.96 | 1.08 | 27.9 | 14.6 | 1.91 |
| **45.242** | 1.7812 | 73.431 | 2.8910 | 19.558 | 0.7700 | 19.812 | 0.7800 | 15.748 | 0.6200 | 3.6 | 0.14 | 0.8 | 0.03 | 70.0 | 78.1 | 11.4 | **LM102949** | **LM102910** | 14.7 | 0.58 | 56.0 | 2.20 | 50.0 | 1.97 | 68.0 | 2.68 | 70.0 | 2.76 | 0.31 | 1.97 | 1.08 | 16.1 | 8.40 | 1.92 |
| | 1.7812 | 77.788 | 3.0625 | 19.842 | 0.7812 | 19.842 | 0.7812 | 15.080 | 0.5937 | 3.6 | 0.14 | 0.8 | 0.03 | 71.7 | 73.5 | 10.7 | **LM603049** | **LM603011** | 17.5 | 0.69 | 57.0 | 2.24 | 50.0 | 1.97 | 71.0 | 2.80 | 74.0 | 2.91 | 0.43 | 1.41 | 0.77 | 16.5 | 12.1 | 1.37 |
| | 1.7812 | 77.788 | 3.0625 | 21.430 | 0.8437 | 19.842 | 0.7812 | 16.667 | 0.6562 | 3.6 | 0.14 | 0.8 | 0.03 | 71.7 | 73.5 | 10.7 | **LM603049** | **LM603012** | 19.1 | 0.75 | 57.0 | 2.24 | 50.0 | 1.97 | 71.0 | 2.80 | 74.0 | 2.91 | 0.43 | 1.41 | 0.77 | 16.5 | 12.1 | 1.37 |
| | 1.7812 | 79.974 | 3.1486 | 19.842 | 0.7812 | 19.842 | 0.7812 | 15.080 | 0.5937 | 3.6 | 0.14 | 0.8 | 0.03 | 71.7 | 73.5 | 10.7 | **LM603049** | **LM603014** | 17.5 | 0.69 | 57.0 | 2.24 | 50.0 | 1.97 | 71.0 | 2.80 | 74.0 | 2.91 | 0.43 | 1.41 | 0.77 | 16.5 | 12.1 | 1.37 |
| | 1.7812 | 79.974 | 3.1486 | 21.430 | 0.8437 | 19.842 | 0.7812 | 16.667 | 0.6562 | 3.6 | 0.14 | 0.8 | 0.03 | 71.7 | 73.5 | 10.7 | **LM603049** | **LM603015** | 19.1 | 0.75 | 57.0 | 2.24 | 50.0 | 1.97 | 71.0 | 2.80 | 74.0 | 2.91 | 0.43 | 1.41 | 0.77 | 16.5 | 12.1 | 1.37 |
| **45.618** | 1.7960 | 85.000 | 3.3465 | 23.812 | 0.9375 | 25.400 | 1.0000 | 19.050 | 0.7500 | 3.6 | 0.14 | 2.4 | 0.09 | 96.8 | 100 | 15.1 | **25590** | **25526** | 17.5 | 0.69 | 58.0 | 2.28 | 51.0 | 2.01 | 74.0 | 2.91 | 78.0 | 3.07 | 0.33 | 1.79 | 0.99 | 22.5 | 12.9 | 1.75 |
| **45.987** | 1.8105 | 74.976 | 2.9518 | 18.000 | 0.7087 | 18.000 | 0.7087 | 14.000 | 0.5512 | 2.4 | 0.09 | 1.6 | 0.06 | 66.2 | 74.6 | 10.8 | **LM503349R** | **LM503310** | 16.0 | 0.63 | 53.0 | 2.09 | 51.0 | 2.01 | 67.0 | 2.64 | 72.0 | 2.83 | 0.40 | 1.49 | 0.82 | 15.2 | 10.4 | 1.46 |
| **46.038** | 1.8125 | 79.375 | 3.1250 | 17.462 | 0.6875 | 17.462 | 0.6875 | 13.495 | 0.5313 | 2.8 | 0.11 | 1.6 | 0.06 | 59.2 | 59.1 | 8.65 | **18690** | **18620** | 16.0 | 0.63 | 56.0 | 2.20 | 51.0 | 2.01 | 71.0 | 2.80 | 74.0 | 2.91 | 0.37 | 1.60 | 0.88 | 13.6 | 8.70 | 1.56 |
| | 1.8125 | 85.000 | 3.3465 | 17.462 | 0.6875 | 17.462 | 0.6875 | 13.495 | 0.5313 | 2.4 | 0.09 | 1.6 | 0.06 | 62.5 | 65.5 | 9.55 | **18780** | **18720** | 17.4 | 0.69 | 56.0 | 2.20 | 52.0 | 2.05 | 77.0 | 3.03 | 80.0 | 3.15 | 0.41 | 1.48 | 0.81 | 14.4 | 9.95 | 1.44 |
| | 1.8125 | 85.000 | 3.3465 | 20.638 | 0.8125 | 21.692 | 0.8540 | 17.462 | 0.6875 | 3.6 | 0.14 | 1.2 | 0.05 | 89.6 | 81.7 | 12.4 | **359A** | **354A** | 15.5 | 0.61 | 57.0 | 2.24 | 51.0 | 2.01 | 77.0 | 3.03 | 80.0 | 3.15 | 0.31 | 1.96 | 1.08 | 20.7 | 10.8 | 1.91 |
| | 1.8125 | 85.000 | 3.3465 | 20.638 | 0.8125 | 21.692 | 0.8540 | 17.462 | 0.6875 | 2.4 | 0.09 | 1.2 | 0.05 | 89.6 | 81.7 | 12.4 | **359S** | **354A** | 15.5 | 0.61 | 55.0 | 2.17 | 51.0 | 2.01 | 77.0 | 3.03 | 80.0 | 3.15 | 0.31 | 1.96 | 1.08 | 20.7 | 10.8 | 1.91 |
| | 1.8125 | 85.000 | 3.3465 | 25.400 | 1.0000 | 25.608 | 1.0082 | 20.638 | 0.8125 | 3.6 | 0.14 | 1.2 | 0.05 | 100 | 106 | 16.0 | **2984** | **2924** | 18.9 | 0.74 | 58.0 | 2.28 | 52.0 | 2.05 | 76.0 | 2.99 | 80.0 | 3.15 | 0.35 | 1.73 | 0.95 | 23.3 | 13.8 | 1.69 |
| | 1.8125 | 87.312 | 3.4375 | 26.988 | 1.0625 | 25.608 | 1.0082 | 22.225 | 0.8750 | 3.6 | 0.14 | 2.4 | 0.09 | 100 | 106 | 16.0 | **2984** | **2925** | 18.6 | 0.73 | 58.0 | 2.28 | 52.0 | 2.05 | 76.0 | 2.99 | 80.0 | 3.15 | 0.35 | 1.73 | 0.95 | 23.3 | 13.8 | 1.69 |
| | 1.8125 | 95.250 | 3.7500 | 27.783 | 1.0938 | 29.901 | 1.1772 | 22.225 | 0.8750 | 3.6 | 0.14 | 0.8 | 0.03 | 129 | 122 | 18.8 | **436** | **432A** | 18.4 | 0.72 | 59.0 | 2.32 | 52.0 | 2.05 | 84.0 | 3.31 | 87.0 | 3.43 | 0.28 | 2.11 | 1.16 | 30.0 | 14.6 | 2.06 |
| | 1.8125 | 95.250 | 3.7500 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 129 | 137 | 20.9 | **3777** | **3726** | 22.2 | 0.87 | 60.0 | 2.36 | 53.0 | 2.09 | 83.0 | 3.27 | 89.0 | 3.50 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| **47.625** | 1.8750 | 88.900 | 3.5000 | 20.638 | 0.8125 | 22.225 | 0.8750 | 16.513 | 0.6501 | 3.6 | 0.14 | 1.2 | 0.05 | 92.9 | 87.3 | 13.3 | **369A** | **362A** | 16.1 | 0.63 | 60.0 | 2.36 | 53.0 | 2.09 | 81.0 | 3.19 | 84.0 | 3.31 | 0.32 | 1.88 | 1.03 | 21.4 | 11.7 | 1.83 |
| | 1.8750 | 88.900 | 3.5000 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.050 | 0.7500 | 3.6 | 0.14 | 3.2 | 0.13 | 109 | 112 | 16.6 | **M804049** | **M804010** | 23.6 | 0.93 | 62.0 | 2.44 | 55.0 | 2.17 | 76.0 | 2.99 | 85.0 | 3.35 | 0.55 | 1.10 | 0.60 | 25.3 | 23.6 | 1.07 |
| | 1.8750 | 90.000 | 3.5433 | 20.000 | 0.7874 | 22.225 | 0.8750 | 20.000 | 0.7874 | 2.4 | 0.09 | 0.8 | 0.03 | 92.9 | 87.3 | 13.3 | **369S** | **363** | 15.4 | 0.61 | 57.0 | 2.24 | 53.0 | 2.09 | 82.0 | 3.23 | 85.0 | 3.35 | 0.32 | 1.88 | 1.03 | 21.4 | 11.7 | 1.83 |
| | 1.8750 | 93.264 | 3.6718 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 6.4 | 0.25 | 0.8 | 0.03 | 129 | 137 | 20.9 | **3778** | **3730** | 22.2 | 0.87 | 67.0 | 2.64 | 55.0 | 2.17 | 84.0 | 3.31 | 88.0 | 3.46 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 1.8750 | 95.250 | 3.7500 | 30.162 | 1.1875 | 29.370 | 1.1563 | 23.020 | 0.9063 | 3.6 | 0.14 | 3.2 | 0.13 | 130 | 140 | 20.7 | **HM804846** | **HM804810** | 26.5 | 1.04 | 64.0 | 2.52 | 57.0 | 2.24 | 81.0 | 3.19 | 91.0 | 3.58 | 0.55 | 1.10 | 0.60 | 30.4 | 28.4 | 1.07 |
| | 1.8750 | 96.838 | 3.8125 | 21.000 | 0.8268 | 21.946 | 0.8640 | 15.875 | 0.6250 | 0.8 | 0.03 | 0.8 | 0.03 | 101 | 101 | 15.3 | **386A** | **382A** | 17.4 | 0.69 | 56.0 | 2.20 | 55.0 | 2.17 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 1.8750 | 98.425 | 3.8750 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 129 | 137 | 20.9 | **3779** | **3732** | 22.2 | 0.87 | 61.0 | 2.40 | 55.0 | 2.17 | 84.0 | 3.31 | 90.0 | 3.54 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |

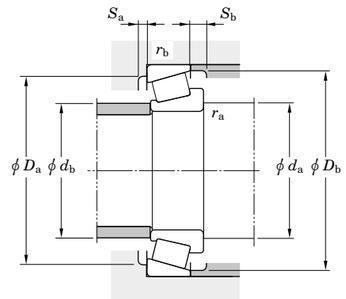
Nota 1) SP indica radio especial.

## Tipo TS

**$d$ (47.625) ~ (50.800) mm**

**(1.8750) ~ (2.0000) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

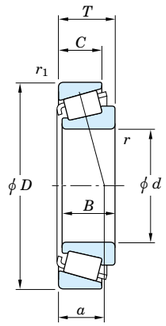
Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

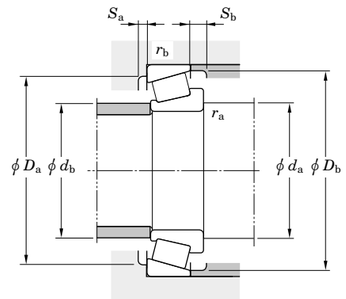
| Dimensiones Principales | | | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **47.625** | 1.8750 | 101.600 | 4.0000 | 31.750 | 1.2500 | 29.370 | 1.1563 | 23.020 | 0.9063 | 3.6 | 0.14 | 3.2 | 0.13 | 143 | 143 | 21.9 | **49580** | **49520** | 24.1 | 0.95 | 62.0 | 2.44 | 59.0 | 2.32 | 88.0 | 3.46 | 96.0 | 3.78 | 0.40 | 1.50 | 0.82 | 33.4 | 22.8 | 1.46 |
| | 1.8750 | 101.600 | 4.0000 | 31.750 | 1.2500 | 31.750 | 1.2500 | 25.400 | 1.0000 | 6.4 | 0.25 | 3.2 | 0.13 | 143 | 143 | 21.9 | **49581** | **49520** | 24.1 | 0.95 | 68.0 | 2.68 | 59.0 | 2.32 | 88.0 | 3.46 | 96.0 | 3.78 | 0.40 | 1.50 | 0.82 | 33.4 | 22.8 | 1.46 |
| | 1.8750 | 101.600 | 4.0000 | 34.925 | 1.3750 | 36.068 | 1.4200 | 26.988 | 1.0625 | 3.6 | 0.14 | 3.2 | 0.13 | 164 | 159 | 24.8 | **528** | **522** | 22.2 | 0.87 | 62.0 | 2.44 | 55.0 | 2.17 | 89.0 | 3.50 | 95.0 | 3.74 | 0.29 | 2.10 | 1.16 | 38.4 | 18.7 | 2.05 |
| | 1.8750 | 101.600 | 4.0000 | 34.925 | 1.3750 | 36.068 | 1.4200 | 26.988 | 1.0625 | 1.6 | 0.06 | 3.2 | 0.13 | 164 | 159 | 24.8 | **528A** | **522** | 22.2 | 0.87 | 58.0 | 2.28 | 55.0 | 2.17 | 89.0 | 3.50 | 95.0 | 3.74 | 0.29 | 2.10 | 1.16 | 38.4 | 18.7 | 2.05 |
| | 1.8750 | 104.775 | 4.1250 | 30.162 | 1.1875 | 29.317 | 1.1542 | 24.605 | 0.9687 | 4.8 | 0.19 | 3.2 | 0.13 | 136 | 144 | 22.2 | **463** | **453X** | 23.6 | 0.93 | 65.0 | 2.56 | 56.0 | 2.20 | 92.0 | 3.62 | 98.0 | 3.86 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 1.8750 | 104.775 | 4.1250 | 30.162 | 1.1875 | 29.317 | 1.1542 | 24.605 | 0.9687 | 0.8 | 0.03 | 3.2 | 0.13 | 136 | 144 | 22.2 | **467** | **453X** | 23.6 | 0.93 | 57.0 | 2.24 | 56.0 | 2.20 | 92.0 | 3.62 | 98.0 | 3.86 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 1.8750 | 104.775 | 4.1250 | 30.162 | 1.1875 | 30.958 | 1.2188 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 157 | 165 | 25.6 | **45282** | **45220** | 22.2 | 0.87 | 64.0 | 2.52 | 59.0 | 2.32 | 93.0 | 3.66 | 99.0 | 3.90 | 0.33 | 1.80 | 0.99 | 36.6 | 20.8 | 1.76 |
| | 1.8750 | 104.775 | 4.1250 | 36.512 | 1.4375 | 36.512 | 1.4375 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 185 | 187 | 28.6 | **59187** | **59412** | 26.9 | 1.06 | 65.0 | 2.56 | 59.0 | 2.32 | 92.0 | 3.62 | 99.0 | 3.90 | 0.40 | 1.49 | 0.82 | 43.2 | 29.6 | 1.46 |
| | 1.8750 | 104.775 | 4.1250 | 36.512 | 1.4375 | 36.512 | 1.4375 | 28.575 | 1.1250 | 1.6 | 0.06 | 3.2 | 0.13 | 185 | 187 | 28.6 | **59188** | **59412** | 26.9 | 1.06 | 60.0 | 2.36 | 58.0 | 2.28 | 92.0 | 3.62 | 99.0 | 3.90 | 0.40 | 1.49 | 0.82 | 43.2 | 29.6 | 1.46 |
| | 1.8750 | 107.950 | 4.2500 | 27.783 | 1.0938 | 29.317 | 1.1542 | 22.225 | 0.8750 | 4.8 | 0.19 | 0.8 | 0.03 | 136 | 144 | 22.2 | **463** | **453A** | 23.6 | 0.93 | 65.0 | 2.56 | 56.0 | 2.20 | 97.0 | 3.82 | 100.0 | 3.94 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 1.8750 | 107.950 | 4.2500 | 27.783 | 1.0938 | 29.317 | 1.1542 | 22.225 | 0.8750 | 0.8 | 0.03 | 0.8 | 0.03 | 136 | 144 | 22.2 | **467** | **453A** | 21.2 | 0.83 | 57.0 | 2.24 | 56.0 | 2.20 | 97.0 | 3.82 | 100.0 | 3.94 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 1.8750 | 107.950 | 4.2500 | 36.512 | 1.4375 | 36.957 | 1.4550 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 172 | 172 | 26.8 | **536** | **532X** | 23.9 | 0.94 | 62.0 | 2.44 | 56.0 | 2.20 | 94.0 | 3.70 | 100.0 | 3.94 | 0.30 | 2.03 | 1.11 | 40.4 | 20.5 | 1.97 |
| | 1.8750 | 117.475 | 4.6250 | 33.338 | 1.3125 | 31.750 | 1.2500 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 162 | 152 | 23.2 | **66187R** | **66461** | 33.2 | 1.31 | 67.0 | 2.64 | 64.0 | 2.52 | 102.0 | 4.02 | 111.0 | 4.37 | 0.63 | 0.96 | 0.53 | 37.5 | 40.1 | 0.93 |
| | 1.8750 | 117.475 | 4.6250 | 33.338 | 1.3125 | 31.750 | 1.2500 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 162 | 152 | 23.2 | **66187R** | **66462** | 33.2 | 1.31 | 67.0 | 2.64 | 64.0 | 2.52 | 100.0 | 3.94 | 111.0 | 4.37 | 0.63 | 0.96 | 0.53 | 37.5 | 40.1 | 0.93 |
| | 1.8750 | 120.040 | 4.7260 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 218 | 217 | 34.0 | **617** | **612A** | 27.3 | 1.07 | 65.0 | 2.56 | 59.0 | 2.32 | 103.0 | 4.06 | 109.0 | 4.29 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| | 1.8750 | 120.650 | 4.7500 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 218 | 217 | 34.0 | **617** | **612** | 27.3 | 1.07 | 65.0 | 2.56 | 59.0 | 2.32 | 105.0 | 4.13 | 110.0 | 4.33 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| **48.412** | 1.9060 | 93.264 | 3.6718 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 129 | 137 | 20.9 | **3781A** | **3720** | 22.2 | 0.87 | 62.0 | 2.44 | 56.0 | 2.20 | 82.0 | 3.23 | 88.0 | 3.46 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 1.9060 | 95.250 | 3.7500 | 30.162 | 1.1875 | 29.370 | 1.1563 | 23.020 | 0.9063 | 2.4 | 0.09 | 3.2 | 0.13 | 130 | 140 | 20.7 | **HM804848** | **HM804810** | 26.5 | 1.04 | 63.0 | 2.48 | 57.5 | 2.26 | 81.0 | 3.19 | 91.0 | 3.58 | 0.55 | 1.10 | 0.60 | 30.4 | 28.4 | 1.07 |
| | 1.9060 | 95.250 | 3.7500 | 30.162 | 1.1875 | 29.370 | 1.1563 | 23.020 | 0.9063 | 3.6 | 0.14 | 3.2 | 0.13 | 130 | 140 | 20.7 | **HM804849** | **HM804810** | 26.5 | 1.04 | 66.0 | 2.60 | 57.5 | 2.26 | 81.0 | 3.19 | 91.0 | 3.58 | 0.55 | 1.10 | 0.60 | 30.4 | 28.4 | 1.07 |
| **49.212** | 1.9375 | 88.900 | 3.5000 | 20.638 | 0.8125 | 22.225 | 0.8750 | 16.513 | 0.6501 | 0.8 | 0.03 | 1.2 | 0.05 | 92.9 | 87.3 | 13.3 | **365S** | **362A** | 16.1 | 0.63 | 55.0 | 2.17 | 54.0 | 2.13 | 81.0 | 3.19 | 84.0 | 3.31 | 0.32 | 1.88 | 1.03 | 21.4 | 11.7 | 1.83 |
| | 1.9375 | 93.264 | 3.6718 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 129 | 137 | 20.9 | **3781** | **3730** | 22.2 | 0.87 | 62.0 | 2.44 | 56.0 | 2.20 | 84.0 | 3.31 | 88.0 | 3.46 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 1.9375 | 104.775 | 4.1250 | 36.512 | 1.4375 | 36.512 | 1.4375 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 176 | 195 | 29.3 | **HM807044** | **HM807010** | 29.3 | 1.15 | 69.0 | 2.72 | 63.0 | 2.48 | 89.0 | 3.50 | 100.0 | 3.94 | 0.49 | 1.23 | 0.68 | 41.3 | 34.4 | 1.20 |
| | 1.9375 | 111.125 | 4.3750 | 38.100 | 1.5000 | 36.957 | 1.4550 | 33.338 | 1.3125 | 3.6 | 0.14 | 3.2 | 0.13 | 172 | 172 | 26.8 | **545** | **532** | 25.5 | 1.00 | 65.0 | 2.56 | 59.0 | 2.32 | 95.0 | 3.74 | 100.0 | 3.94 | 0.30 | 2.03 | 1.11 | 40.4 | 20.5 | 1.97 |
| | 1.9375 | 114.300 | 4.5000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 34.925 | 1.3750 | 3.6 | 0.14 | 3.2 | 0.13 | 237 | 230 | 35.1 | **65390** | **65320** | 31.7 | 1.25 | 70.0 | 2.76 | 60.0 | 2.36 | 97.0 | 3.82 | 107.0 | 4.21 | 0.43 | 1.40 | 0.77 | 55.4 | 40.7 | 1.36 |
| | 1.9375 | 114.300 | 4.5000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 36.068 | 1.4200 | 3.6 | 0.14 | 3.2 | 0.13 | 265 | 263 | 35.4 | **HH506348** | **HH506310** | 30.6 | 1.20 | 71.0 | 2.80 | 61.0 | 2.40 | 97.0 | 3.82 | 107.0 | 4.21 | 0.40 | 1.49 | 0.82 | 62.0 | 42.6 | 1.46 |
| | 1.9375 | 122.238 | 4.8125 | 43.658 | 1.7188 | 43.764 | 1.7230 | 36.512 | 1.4375 | 1.2 | 0.05 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5562R** | **5535** | 31.1 | 1.22 | 63.0 | 2.48 | 60.0 | 2.36 | 106.0 | 4.17 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| **49.982** | 1.9678 | 107.950 | 4.2500 | 36.512 | 1.4375 | 36.957 | 1.4550 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 172 | 172 | 26.8 | **546** | **532X** | 23.9 | 0.94 | 65.0 | 2.56 | 59.0 | 2.32 | 94.0 | 3.70 | 100.0 | 3.94 | 0.30 | 2.03 | 1.11 | 40.4 | 20.5 | 1.97 |
| **49.987** | 1.9680 | 92.075 | 3.6250 | 24.608 | 0.9688 | 25.400 | 1.0000 | 19.845 | 0.7813 | 2.4 | 0.09 | 0.8 | 0.03 | 107 | 119 | 17.9 | **28579R** | **28521** | 19.9 | 0.78 | 60.0 | 2.36 | 56.0 | 2.20 | 83.0 | 3.27 | 87.0 | 3.43 | 0.38 | 1.59 | 0.87 | 24.7 | 15.9 | 1.55 |
| | 1.9680 | 100.000 | 3.9370 | 25.000 | 0.9842 | 22.225 | 0.8750 | 21.824 | 0.8592 | 2.4 | 0.09 | 2.0 | 0.08 | 105 | 98.5 | 15.1 | **378A** | **372** | 21.5 | 0.85 | 60.0 | 2.36 | 56.0 | 2.20 | 86.0 | 3.39 | 90.0 | 3.54 | 0.34 | 1.77 | 0.97 | 24.1 | 14.0 | 1.73 |
| | 1.9680 | 114.300 | 4.5000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 36.068 | 1.4200 | 3.6 | 0.14 | 0.8 | 0.03 | 265 | 263 | 35.4 | **HH506349** | **HH506311** | 30.6 | 1.20 | 71.0 | 2.80 | 61.0 | 2.40 | 99.0 | 3.90 | 107.0 | 4.21 | 0.40 | 1.49 | 0.82 | 62.0 | 42.6 | 1.46 |
| **50.000** | 1.9685 | 88.900 | 3.5000 | 20.638 | 0.8125 | 22.225 | 0.8750 | 16.513 | 0.6501 | 2.0 | 0.08 | 1.2 | 0.05 | 92.9 | 87.3 | 13.3 | **365** | **362A** | 16.1 | 0.63 | 58.0 | 2.28 | 55.0 | 2.17 | 81.0 | 3.19 | 84.0 | 3.31 | 0.32 | 1.88 | 1.03 | 21.4 | 11.7 | 1.83 |
| | 1.9685 | 88.900 | 3.5000 | 20.638 | 0.8125 | 22.225 | 0.8750 | 16.513 | 0.6501 | 2.4 | 0.09 | 1.2 | 0.05 | 92.9 | 87.3 | 13.3 | **366** | **362A** | 16.1 | 0.63 | 59.0 | 2.32 | 55.0 | 2.17 | 81.0 | 3.19 | 84.0 | 3.31 | 0.32 | 1.88 | 1.03 | 21.4 | 11.7 | 1.83 |
| | 1.9685 | 104.775 | 4.1250 | 30.162 | 1.1875 | 29.317 | 1.1542 | 24.605 | 0.9687 | 2.4 | 0.09 | 3.2 | 0.13 | 136 | 144 | 22.2 | **465** | **453X** | 23.6 | 0.93 | 62.0 | 2.44 | 58.0 | 2.28 | 92.0 | 3.62 | 98.0 | 3.86 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 1.9685 | 104.775 | 4.1250 | 30.162 | 1.1875 | 29.317 | 1.1542 | 24.605 | 0.9687 | 3.6 | 0.14 | 3.2 | 0.13 | 136 | 144 | 22.2 | **465A** | **453X** | 23.6 | 0.93 | 64.5 | 2.54 | 58.0 | 2.28 | 92.0 | 3.62 | 98.0 | 3.86 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 1.9685 | 110.000 | 4.3307 | 22.000 | 0.8661 | 21.996 | 0.8660 | 18.824 | 0.7411 | 0.8 | 0.03 | 1.2 | 0.05 | 109 | 116 | 17.7 | **396** | **394A** | 21.3 | 0.84 | 61.0 | 2.40 | 60.0 | 2.36 | 101.0 | 3.98 | 105.0 | 4.13 | 0.40 | 1.49 | 0.82 | 25.0 | 17.2 | 1.46 |
| | 1.9685 | 120.650 | 4.7500 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 218 | 217 | 34.0 | **618X** | **612** | 27.3 | 1.07 | 67.0 | 2.64 | 61.0 | 2.40 | 105.0 | 4.13 | 110.0 | 4.33 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| **50.800** | 2.0000 | 80.962 | 3.1875 | 18.258 | 0.7188 | 18.258 | 0.7188 | 14.288 | 0.5625 | 1.6 | 0.06 | 1.6 | 0.06 | 67.8 | 81.1 | 11.8 | **L305649R** | **L305610** | 16.0 | 0.63 | 58.0 | 2.28 | 56.0 | 2.20 | 73.0 | 2.87 | 77.0 | 3.03 | 0.35 | 1.69 | 0.93 | 15.5 | 9.45 | 1.65 |
| | 2.0000 | 82.550 | 3.2500 | 21.590 | 0.8500 | 22.225 | 0.8750 | 16.510 | 0.6500 | 3.6 | 0.14 | 1.2 | 0.05 | 77.0 | 84.3 | 12.5 | **LM104949** | **LM104911** | 16.4 | 0.65 | 62.0 | 2.44 | 55.0 | 2.17 | 75.0 | 2.95 | 78.0 | 3.07 | 0.31 | 1.97 | 1.08 | 17.8 | 9.25 | 1.92 |

Nota 1) SP indica radio especial.

# Tipo TS

## $d$ (50.800) mm
## (2.0000) pulgadas




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

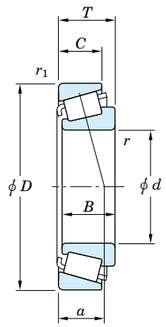
| Dimensiones Principales | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **50.800** | 2.0000 | 83.312 | 3.2800 | 17.462 | 0.6875 | 17.462 | 0.6875 | 13.495 | 0.5313 | 3.6 | 0.14 | 0.8 | 0.03 | 62.5 | 65.5 | 9.55 | **18790** | **18721** | 17.4 | 0.69 | 62.0 | 2.44 | 56.0 | 2.20 | 73.0 | 2.87 | 78.0 | 3.07 | 0.41 | 1.48 | 0.81 | 14.4 | 9.95 | 1.44 |
| | 2.0000 | 85.725 | 3.3750 | 19.050 | 0.7500 | 18.263 | 0.7190 | 12.700 | 0.5000 | 1.6 | 0.06 | 1.6 | 0.06 | 63.8 | 66.4 | 9.55 | **18200** | **18337** | 22.7 | 0.89 | 59.0 | 2.32 | 56.0 | 2.20 | 76.0 | 2.99 | 81.0 | 3.19 | 0.57 | 1.06 | 0.58 | 14.6 | 14.2 | 1.03 |
| | 2.0000 | 88.900 | 3.5000 | 17.462 | 0.6875 | 17.462 | 0.6875 | 13.495 | 0.5313 | 3.6 | 0.14 | 1.2 | 0.05 | 62.5 | 65.5 | 9.55 | **18790** | **18724** | 17.4 | 0.69 | 62.0 | 2.44 | 56.0 | 2.20 | 78.0 | 3.07 | 82.0 | 3.23 | 0.41 | 1.48 | 0.81 | 14.4 | 9.95 | 1.44 |
| | 2.0000 | 88.900 | 3.5000 | 20.638 | 0.8125 | 17.462 | 0.6875 | 16.670 | 0.6563 | 3.6 | 0.14 | 1.2 | 0.05 | 62.5 | 65.5 | 9.55 | **18790** | **18723** | 22.7 | 0.89 | 62.0 | 2.44 | 56.0 | 2.20 | 78.0 | 3.07 | 82.0 | 3.23 | 0.41 | 1.48 | 0.81 | 14.4 | 9.95 | 1.44 |
| | 2.0000 | 88.900 | 3.5000 | 20.638 | 0.8125 | 22.225 | 0.8750 | 16.513 | 0.6501 | 1.6 | 0.06 | 1.2 | 0.05 | 92.9 | 87.3 | 13.3 | **368** | **362A** | 16.1 | 0.63 | 58.0 | 2.28 | 56.0 | 2.20 | 81.0 | 3.19 | 84.0 | 3.31 | 0.32 | 1.88 | 1.03 | 21.4 | 11.7 | 1.83 |
| | 2.0000 | 88.900 | 3.5000 | 20.638 | 0.8125 | 22.225 | 0.8750 | 16.513 | 0.6501 | 3.6 | 0.14 | 1.2 | 0.05 | 92.9 | 87.3 | 13.3 | **368A** | **362A** | 16.1 | 0.63 | 62.0 | 2.44 | 56.0 | 2.20 | 81.0 | 3.19 | 84.0 | 3.31 | 0.32 | 1.88 | 1.03 | 21.4 | 11.7 | 1.83 |
| | 2.0000 | 88.900 | 3.5000 | 20.638 | 0.8125 | 22.225 | 0.8750 | 16.513 | 0.6501 | 5.2 | 0.20 | 1.2 | 0.05 | 92.9 | 87.3 | 13.3 | **370A** | **362A** | 16.1 | 0.63 | 65.0 | 2.56 | 56.0 | 2.20 | 81.0 | 3.19 | 84.0 | 3.31 | 0.32 | 1.88 | 1.03 | 21.4 | 11.7 | 1.83 |
| | 2.0000 | 89.980 | 3.5425 | 24.750 | 0.9744 | 25.400 | 1.0000 | 19.987 | 0.7869 | 3.6 | 0.14 | 2.4 | 0.09 | 107 | 119 | 17.9 | **28580R** | **28520** | 20.0 | 0.79 | 63.0 | 2.48 | 57.0 | 2.24 | 81.0 | 3.19 | 86.0 | 3.39 | 0.38 | 1.59 | 0.87 | 24.7 | 15.9 | 1.55 |
| | 2.0000 | 92.075 | 3.6250 | 24.608 | 0.9688 | 25.400 | 1.0000 | 19.845 | 0.7813 | 3.6 | 0.14 | 0.8 | 0.03 | 107 | 119 | 17.9 | **28580R** | **28521** | 19.9 | 0.78 | 63.0 | 2.48 | 57.0 | 2.24 | 83.0 | 3.27 | 87.0 | 3.43 | 0.38 | 1.59 | 0.87 | 24.7 | 15.9 | 1.55 |
| | 2.0000 | 92.075 | 3.6250 | 27.780 | 1.0937 | 25.400 | 1.0000 | 23.017 | 0.9062 | 3.6 | 0.14 | 2.4 | 0.09 | 107 | 119 | 17.9 | **28580R** | **28523** | 23.1 | 0.91 | 63.0 | 2.48 | 57.0 | 2.24 | 81.0 | 3.19 | 86.0 | 3.39 | 0.38 | 1.59 | 0.87 | 24.7 | 15.9 | 1.55 |
| | 2.0000 | 93.264 | 3.6718 | 20.638 | 0.8125 | 22.225 | 0.8750 | 15.083 | 0.5938 | 2.4 | 0.09 | 1.2 | 0.05 | 105 | 98.5 | 15.1 | **375** | **374** | 17.1 | 0.67 | 60.0 | 2.36 | 57.0 | 2.24 | 85.0 | 3.35 | 88.0 | 3.46 | 0.34 | 1.77 | 0.97 | 24.2 | 14.0 | 1.73 |
| | 2.0000 | 93.264 | 3.6718 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 0.8 | 0.03 | 0.8 | 0.03 | 129 | 137 | 20.9 | **3775** | **3730** | 22.2 | 0.87 | 58.0 | 2.28 | 58.0 | 2.28 | 84.0 | 3.31 | 88.0 | 3.46 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 2.0000 | 93.264 | 3.6718 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 129 | 137 | 20.9 | **3780** | **3720** | 22.2 | 0.87 | 64.0 | 2.52 | 58.0 | 2.28 | 82.0 | 3.23 | 88.0 | 3.46 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 2.0000 | 93.264 | 3.6718 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 129 | 137 | 20.9 | **3780** | **3730** | 22.2 | 0.87 | 64.0 | 2.52 | 58.0 | 2.28 | 84.0 | 3.31 | 88.0 | 3.46 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 2.0000 | 93.264 | 3.6718 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 6.4 | 0.25 | 0.8 | 0.03 | 129 | 137 | 20.9 | **3784** | **3730** | 22.2 | 0.87 | 70.0 | 2.76 | 58.0 | 2.28 | 84.0 | 3.31 | 88.0 | 3.46 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 2.0000 | 95.250 | 3.7500 | 27.783 | 1.0938 | 28.575 | 1.1250 | 22.225 | 0.8750 | 3.6 | 0.14 | 0.8 | 0.03 | 135 | 141 | 21.6 | **33889** | **33822** | 20.4 | 0.80 | 64.0 | 2.52 | 58.0 | 2.28 | 86.0 | 3.39 | 90.0 | 3.54 | 0.33 | 1.82 | 1.00 | 31.4 | 17.7 | 1.77 |
| | 2.0000 | 96.838 | 3.8125 | 21.000 | 0.8268 | 21.946 | 0.8640 | 15.875 | 0.6250 | 1.6 | 0.06 | 0.8 | 0.03 | 101 | 101 | 15.3 | **385AS** | **382A** | 17.4 | 0.69 | 60.0 | 2.36 | 58.0 | 2.28 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 2.0000 | 96.838 | 3.8125 | 21.000 | 0.8268 | 21.946 | 0.8640 | 15.875 | 0.6250 | 0.8 | 0.03 | 0.8 | 0.03 | 101 | 101 | 15.3 | **385AX** | **382A** | 17.4 | 0.69 | 59.0 | 2.32 | 58.0 | 2.28 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 2.0000 | 96.838 | 3.8125 | 22.225 | 0.8750 | 22.225 | 0.8750 | 19.050 | 0.7500 | 3.6 | 0.14 | 1.6 | 0.06 | 105 | 98.5 | 15.1 | **375S** | **372A** | 21.5 | 0.85 | 63.0 | 2.48 | 57.0 | 2.24 | 86.0 | 3.39 | 90.0 | 3.54 | 0.34 | 1.77 | 0.97 | 24.1 | 14.0 | 1.73 |
| | 2.0000 | 96.838 | 3.8125 | 25.400 | 1.0000 | 21.946 | 0.8640 | 20.274 | 0.7982 | 2.4 | 0.09 | 2.4 | 0.09 | 101 | 101 | 15.3 | **385A** | **382S** | 21.8 | 0.86 | 61.0 | 2.40 | 60.0 | 2.36 | 87.0 | 3.43 | 91.0 | 3.58 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 2.0000 | 97.630 | 3.8437 | 24.608 | 0.9688 | 24.608 | 0.9688 | 19.446 | 0.7656 | 3.6 | 0.14 | 0.8 | 0.03 | 113 | 131 | 19.7 | **28678** | **28622** | 21.2 | 0.83 | 65.0 | 2.56 | 58.0 | 2.28 | 88.0 | 3.46 | 92.0 | 3.62 | 0.40 | 1.49 | 0.82 | 26.1 | 17.9 | 1.45 |
| | 2.0000 | 98.425 | 3.8750 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 129 | 137 | 20.9 | **3780** | **3732** | 22.2 | 0.87 | 64.0 | 2.52 | 58.0 | 2.28 | 84.0 | 3.31 | 90.0 | 3.54 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 2.0000 | 101.600 | 4.0000 | 31.750 | 1.2500 | 31.750 | 1.2500 | 25.400 | 1.0000 | 3.6 | 0.14 | 3.2 | 0.13 | 143 | 143 | 21.9 | **49585** | **49520** | 24.1 | 0.95 | 66.0 | 2.60 | 59.0 | 2.32 | 88.0 | 3.46 | 96.0 | 3.78 | 0.40 | 1.50 | 0.82 | 33.4 | 22.8 | 1.46 |
| | 2.0000 | 101.600 | 4.0000 | 34.925 | 1.3750 | 31.750 | 1.2500 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 143 | 143 | 21.9 | **49585** | **49521** | 27.3 | 1.07 | 66.0 | 2.60 | 59.0 | 2.32 | 88.0 | 3.46 | 96.0 | 3.78 | 0.40 | 1.50 | 0.82 | 33.4 | 22.8 | 1.46 |
| | 2.0000 | 101.600 | 4.0000 | 34.925 | 1.3750 | 36.068 | 1.4200 | 26.988 | 1.0625 | 0.8 | 0.03 | 3.2 | 0.13 | 164 | 159 | 24.8 | **529** | **522** | 22.2 | 0.87 | 59.0 | 2.32 | 58.0 | 2.28 | 89.0 | 3.50 | 95.0 | 3.74 | 0.29 | 2.10 | 1.16 | 38.4 | 18.7 | 2.05 |
| | 2.0000 | 101.600 | 4.0000 | 34.925 | 1.3750 | 36.068 | 1.4200 | 26.988 | 1.0625 | 3.6 | 0.14 | 3.2 | 0.13 | 164 | 159 | 24.8 | **529X** | **522** | 22.2 | 0.87 | 65.0 | 2.56 | 58.0 | 2.28 | 89.0 | 3.50 | 95.0 | 3.74 | 0.29 | 2.10 | 1.16 | 38.4 | 18.7 | 2.05 |
| | 2.0000 | 104.775 | 4.1250 | 30.162 | 1.1875 | 30.958 | 1.2188 | 23.812 | 0.9375 | 6.4 | 0.25 | 3.2 | 0.13 | 157 | 165 | 25.6 | **45284** | **45220** | 22.2 | 0.87 | 71.0 | 2.80 | 59.0 | 2.32 | 93.0 | 3.66 | 99.0 | 3.90 | 0.33 | 1.80 | 0.99 | 36.6 | 20.8 | 1.76 |
| | 2.0000 | 104.775 | 4.1250 | 30.162 | 1.1875 | 30.958 | 1.2188 | 23.812 | 0.9375 | 6.4 | 0.25 | 0.8 | 0.03 | 157 | 165 | 25.6 | **45284** | **45221** | 22.2 | 0.87 | 71.0 | 2.80 | 59.0 | 2.32 | 95.0 | 3.74 | 99.0 | 3.90 | 0.33 | 1.80 | 0.99 | 36.6 | 20.8 | 1.76 |
| | 2.0000 | 104.775 | 4.1250 | 30.162 | 1.1875 | 30.958 | 1.2188 | 23.812 | 0.9375 | 2.4 | 0.09 | 0.8 | 0.03 | 157 | 165 | 25.6 | **45285** | **45221** | 22.2 | 0.87 | 63.0 | 2.48 | 59.0 | 2.32 | 95.0 | 3.74 | 99.0 | 3.90 | 0.33 | 1.80 | 0.99 | 36.6 | 20.8 | 1.76 |
| | 2.0000 | 104.775 | 4.1250 | 36.512 | 1.4375 | 36.512 | 1.4375 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 185 | 187 | 28.6 | **59200** | **59412** | 26.9 | 1.06 | 68.0 | 2.68 | 61.0 | 2.40 | 92.0 | 3.62 | 99.0 | 3.90 | 0.40 | 1.49 | 0.82 | 43.2 | 29.6 | 1.46 |
| | 2.0000 | 104.775 | 4.1250 | 36.512 | 1.4375 | 36.512 | 1.4375 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 176 | 195 | 29.3 | **HM807046** | **HM807010** | 29.3 | 1.15 | 70.0 | 2.76 | 63.0 | 2.48 | 89.0 | 3.50 | 100.0 | 3.94 | 0.49 | 1.23 | 0.68 | 41.3 | 34.4 | 1.20 |
| | 2.0000 | 104.775 | 4.1250 | 39.688 | 1.5625 | 40.157 | 1.5810 | 33.338 | 1.3125 | 3.6 | 0.14 | 3.2 | 0.13 | 189 | 211 | 32.3 | **4580** | **4535** | 27.3 | 1.07 | 67.0 | 2.64 | 61.0 | 2.40 | 90.0 | 3.54 | 99.0 | 3.90 | 0.34 | 1.79 | 0.98 | 44.4 | 25.4 | 1.74 |
| | 2.0000 | 107.950 | 4.2500 | 32.558 | 1.2818 | 29.317 | 1.1542 | 27.000 | 1.0630 | 0.8 | 0.03 | 0.8 | 0.03 | 136 | 144 | 22.2 | **455** | **452** | 28.3 | 1.11 | 60.0 | 2.36 | 59.0 | 2.32 | 99.0 | 3.90 | 100.0 | 3.94 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 2.0000 | 107.950 | 4.2500 | 36.512 | 1.4375 | 36.957 | 1.4550 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 172 | 172 | 26.8 | **537** | **532X** | 23.9 | 0.94 | 65.0 | 2.56 | 59.0 | 2.32 | 94.0 | 3.70 | 100.0 | 3.94 | 0.30 | 2.03 | 1.11 | 40.4 | 20.5 | 1.97 |
| | 2.0000 | 110.000 | 4.3307 | 22.000 | 0.8661 | 21.996 | 0.8660 | 18.824 | 0.7411 | 7.9 | 0.31 | 7.9 | 0.31 | 109 | 116 | 17.7 | **398** | **394** | 21.3 | 0.84 | 62.0 | 2.44 | 61.0 | 2.40 | 102.0 | 4.02 | 104.5 | 4.11 | 0.40 | 1.49 | 0.82 | 25.0 | 17.2 | 1.46 |
| | 2.0000 | 110.000 | 4.3307 | 22.000 | 0.8661 | 21.996 | 0.8660 | 18.824 | 0.7411 | 0.8 | 0.03 | 3.2 | 0.13 | 109 | 116 | 17.7 | **398** | **394AS** | 21.3 | 0.84 | 62.0 | 2.44 | 61.0 | 2.40 | 99.0 | 3.90 | 105.0 | 4.13 | 0.40 | 1.49 | 0.82 | 25.0 | 17.2 | 1.46 |
| | 2.0000 | 110.000 | 4.3307 | 27.795 | 1.0943 | 29.317 | 1.1542 | 27.000 | 1.0630 | 3.6 | 0.14 | 2.0 | 0.08 | 136 | 144 | 22.2 | **455S** | **454** | 21.2 | 0.83 | 65.0 | 2.56 | 59.0 | 2.32 | 96.0 | 3.78 | 100.0 | 3.94 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 2.0000 | 111.125 | 4.3750 | 38.895 | 1.5313 | 40.157 | 1.5810 | 32.545 | 1.2813 | 3.6 | 0.14 | 3.2 | 0.13 | 189 | 211 | 32.3 | **4580** | **4536** | 26.5 | 1.04 | 67.0 | 2.64 | 61.0 | 2.40 | 96.0 | 3.78 | 102.0 | 4.02 | 0.34 | 1.79 | 0.98 | 44.4 | 25.4 | 1.74 |
| | 2.0000 | 112.712 | 4.4375 | 30.162 | 1.1875 | 30.048 | 1.1830 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 139 | 164 | 25.1 | **3975** | **3925** | 25.9 | 1.02 | 68.0 | 2.68 | 61.0 | 2.40 | 101.0 | 3.98 | 106.0 | 4.17 | 0.40 | 1.49 | 0.82 | 32.4 | 22.3 | 1.46 |
| | 2.0000 | 112.712 | 4.4375 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 184 | 207 | 32.1 | **39575** | **39520** | 23.3 | 0.92 | 68.0 | 2.68 | 61.0 | 2.40 | 101.0 | 3.98 | 107.0 | 4.21 | 0.34 | 1.77 | 0.97 | 42.6 | 24.7 | 1.72 |
| | 2.0000 | 117.475 | 4.6250 | 33.338 | 1.3125 | 31.750 | 1.2500 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 162 | 152 | 23.2 | **66200R** | **66461** | 33.2 | 1.31 | 71.0 | 2.80 | 65.0 | 2.56 | 102.0 | 4.02 | 111.0 | 4.37 | 0.63 | 0.96 | 0.53 | 37.5 | 40.1 | 0.93 |

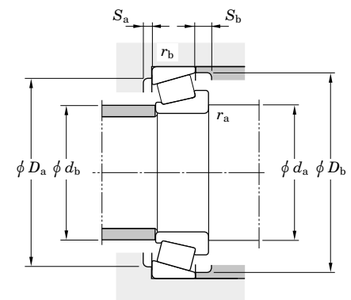
Nota 1) SP indica radio especial.

## Tipo TS

**$d$ (50.800) ~ (53.975) mm**

**(2.0000) ~ (2.1250) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

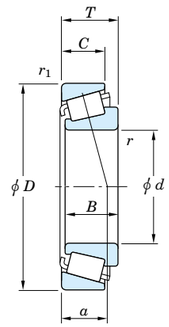
| Dimensiones Principales | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **50.800** | 2.0000 | 120.000 | 4.7244 | 40.023 | 1.5757 | 41.275 | 1.6250 | 30.988 | 1.2200 | 3.6 | 0.14 | 3.0 | 0.12 | 218 | 217 | 34.0 | **619** | **613X** | 27.3 | 1.07 | 67.0 | 2.64 | 61.0 | 2.40 | 104.0 | 4.09 | 110.0 | 4.33 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| | 2.0000 | 120.040 | 4.7260 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 1.6 | 0.06 | 218 | 217 | 34.0 | **619** | **612A** | 27.3 | 1.07 | 67.0 | 2.64 | 61.0 | 2.40 | 103.0 | 4.06 | 109.0 | 4.29 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| | 2.0000 | 120.251 | 4.7343 | 44.450 | 1.7500 | 43.764 | 1.7230 | 36.512 | 1.4375 | 1.2 | 0.05 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5565R** | **5520** | 31.9 | 1.26 | 67.0 | 2.64 | 65.0 | 2.56 | 110.0 | 4.33 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| | 2.0000 | 120.650 | 4.7500 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 218 | 217 | 34.0 | **619** | **612** | 27.3 | 1.07 | 67.0 | 2.64 | 61.0 | 2.40 | 105.0 | 4.13 | 110.0 | 4.33 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| | 2.0000 | 122.238 | 4.8125 | 38.100 | 1.5000 | 36.678 | 1.4440 | 30.162 | 1.1875 | 2.4 | 0.09 | 3.2 | 0.13 | 202 | 223 | 34.8 | **555** | **553X** | 28.7 | 1.13 | 66.0 | 2.60 | 62.0 | 2.44 | 108.0 | 4.25 | 115.0 | 4.53 | 0.35 | 1.73 | 0.95 | 47.1 | 27.9 | 1.69 |
| | 2.0000 | 122.238 | 4.8125 | 43.658 | 1.7188 | 43.764 | 1.7230 | 36.512 | 1.4375 | 1.2 | 0.05 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5565R** | **5535** | 31.1 | 1.22 | 67.0 | 2.64 | 65.0 | 2.56 | 106.0 | 4.17 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| | 2.0000 | 127.000 | 5.0000 | 36.512 | 1.4375 | 36.512 | 1.4375 | 26.988 | 1.0625 | 3.6 | 0.14 | 1.6 | 0.06 | 209 | 235 | 36.2 | **HM813836** | **HM813811** | 32.9 | 1.30 | 72.0 | 2.83 | 66.0 | 2.60 | 113.0 | 4.45 | 121.0 | 4.76 | 0.50 | 1.20 | 0.66 | 48.6 | 41.7 | 1.17 |
| | 2.0000 | 127.000 | 5.0000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 34.925 | 1.3750 | 3.6 | 0.14 | 3.2 | 0.13 | 259 | 269 | 41.0 | **65200** | **65500** | 35.2 | 1.39 | 75.0 | 2.95 | 69.0 | 2.72 | 107.0 | 4.21 | 119.0 | 4.69 | 0.49 | 1.23 | 0.68 | 60.6 | 50.5 | 1.20 |
| | 2.0000 | 127.000 | 5.0000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 34.925 | 1.3750 | 3.6 | 0.14 | 1.2 | 0.05 | 259 | 269 | 41.0 | **65200** | **65501** | 35.2 | 1.39 | 75.0 | 2.95 | 69.0 | 2.72 | 110.0 | 4.33 | 120.0 | 4.72 | 0.49 | 1.23 | 0.68 | 60.6 | 50.5 | 1.20 |
| | 2.0000 | 136.525 | 5.3750 | 46.038 | 1.8125 | 44.450 | 1.7500 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 259 | 269 | 41.0 | **65200** | **65537** | 36.7 | 1.44 | 75.0 | 2.95 | 69.0 | 2.72 | 110.0 | 4.33 | 120.0 | 4.72 | 0.49 | 1.23 | 0.68 | 60.6 | 50.5 | 1.20 |
| **51.592** | 2.0312 | 88.900 | 3.5000 | 20.638 | 0.8125 | 22.225 | 0.8750 | 16.513 | 0.6501 | 2.0 | 0.08 | 1.2 | 0.05 | 92.9 | 87.3 | 13.3 | **368S** | **362A** | 16.1 | 0.63 | 59.0 | 2.32 | 56.0 | 2.20 | 81.0 | 3.19 | 84.0 | 3.31 | 0.32 | 1.88 | 1.03 | 21.4 | 11.7 | 1.83 |
| | 2.0312 | 100.000 | 3.9370 | 25.000 | 0.9842 | 22.225 | 0.8750 | 21.824 | 0.8592 | 1.6 | 0.06 | 2.0 | 0.08 | 105 | 98.5 | 15.1 | **377S** | **372** | 21.5 | 0.85 | 60.0 | 2.36 | 58.0 | 2.28 | 86.0 | 3.39 | 90.0 | 3.54 | 0.34 | 1.77 | 0.97 | 24.1 | 14.0 | 1.73 |
| **52.388** | 2.0625 | 92.075 | 3.6250 | 24.608 | 0.9688 | 25.400 | 1.0000 | 19.845 | 0.7813 | 3.6 | 0.14 | 0.8 | 0.03 | 107 | 119 | 17.9 | **28584R** | **28521** | 19.9 | 0.78 | 65.0 | 2.56 | 58.0 | 2.28 | 83.0 | 3.27 | 87.0 | 3.43 | 0.38 | 1.59 | 0.87 | 24.7 | 15.9 | 1.55 |
| | 2.0625 | 93.264 | 3.6718 | 30.162 | 1.1875 | 30.302 | 1.1930 | 23.812 | 0.9375 | 2.4 | 0.09 | 0.8 | 0.03 | 129 | 137 | 20.9 | **3767** | **3730** | 22.2 | 0.87 | 63.0 | 2.48 | 59.0 | 2.32 | 84.0 | 3.31 | 88.0 | 3.46 | 0.34 | 1.77 | 0.97 | 30.1 | 17.4 | 1.73 |
| | 2.0625 | 95.250 | 3.7500 | 27.783 | 1.0938 | 28.575 | 1.1250 | 22.225 | 0.8750 | 1.6 | 0.06 | 0.8 | 0.03 | 135 | 141 | 21.6 | **33890** | **33822** | 20.4 | 0.80 | 61.0 | 2.40 | 59.0 | 2.32 | 86.0 | 3.39 | 90.0 | 3.54 | 0.33 | 1.82 | 1.00 | 31.4 | 17.7 | 1.77 |
| | 2.0625 | 95.250 | 3.7500 | 27.783 | 1.0938 | 28.575 | 1.1250 | 22.225 | 0.8750 | 3.6 | 0.14 | 0.8 | 0.03 | 135 | 141 | 21.6 | **33891** | **33822** | 20.4 | 0.80 | 66.0 | 2.60 | 59.0 | 2.32 | 86.0 | 3.39 | 90.0 | 3.54 | 0.33 | 1.82 | 1.00 | 31.4 | 17.7 | 1.77 |
| | 2.0625 | 100.000 | 3.9370 | 25.000 | 0.9842 | 22.225 | 0.8750 | 21.824 | 0.8592 | 2.4 | 0.09 | 2.0 | 0.08 | 105 | 98.5 | 15.1 | **377** | **372** | 21.5 | 0.85 | 62.0 | 2.44 | 58.0 | 2.28 | 86.0 | 3.39 | 90.0 | 3.54 | 0.34 | 1.77 | 0.97 | 24.1 | 14.0 | 1.73 |
| | 2.0625 | 100.000 | 3.9370 | 25.000 | 0.9842 | 22.225 | 0.8750 | 21.824 | 0.8592 | 4.8 | 0.19 | 2.0 | 0.08 | 105 | 98.5 | 15.1 | **377A** | **372** | 21.5 | 0.85 | 67.0 | 2.64 | 58.0 | 2.28 | 86.0 | 3.39 | 90.0 | 3.54 | 0.34 | 1.77 | 0.97 | 24.1 | 14.0 | 1.73 |
| | 2.0625 | 103.188 | 4.0625 | 38.100 | 1.5000 | 36.957 | 1.4550 | 30.162 | 1.1875 | 3.6 | 0.14 | 3.2 | 0.13 | 172 | 172 | 26.8 | **540** | **533A** | 23.9 | 0.94 | 71.0 | 2.80 | 60.0 | 2.36 | 95.0 | 3.74 | 100.0 | 3.94 | 0.30 | 2.03 | 1.11 | 40.4 | 20.5 | 1.97 |
| | 2.0625 | 104.775 | 4.1250 | 30.162 | 1.1875 | 29.317 | 1.1542 | 24.605 | 0.9687 | 1.6 | 0.06 | 3.2 | 0.13 | 136 | 144 | 22.2 | **468** | **453X** | 23.6 | 0.93 | 62.0 | 2.44 | 60.0 | 2.36 | 92.0 | 3.62 | 98.0 | 3.86 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 2.0625 | 107.950 | 4.2500 | 36.512 | 1.4375 | 36.957 | 1.4550 | 28.575 | 1.1250 | 3.6 | 0.14 | 1.6 | 0.06 | 172 | 172 | 26.8 | **540** | **532X** | 23.9 | 0.94 | 71.0 | 2.80 | 60.0 | 2.36 | 94.0 | 3.70 | 100.0 | 3.94 | 0.30 | 2.03 | 1.11 | 40.4 | 20.5 | 1.97 |
| **53.975** | 2.1250 | 88.900 | 3.5000 | 19.050 | 0.7500 | 19.050 | 0.7500 | 13.492 | 0.5312 | 2.4 | 0.09 | 2.0 | 0.08 | 79.1 | 86.8 | 12.6 | **LM806649** | **LM806610** | 21.5 | 0.85 | 63.0 | 2.48 | 60.0 | 2.36 | 80.0 | 3.15 | 85.0 | 3.35 | 0.55 | 1.10 | 0.60 | 18.1 | 16.9 | 1.07 |
| | 2.1250 | 95.250 | 3.7500 | 27.783 | 1.0938 | 28.575 | 1.1250 | 22.225 | 0.8750 | 1.6 | 0.06 | 0.8 | 0.03 | 135 | 141 | 21.6 | **33895** | **33822** | 20.4 | 0.80 | 63.0 | 2.48 | 60.0 | 2.36 | 86.0 | 3.39 | 90.0 | 3.54 | 0.33 | 1.82 | 1.00 | 31.4 | 17.7 | 1.77 |
| | 2.1250 | 100.000 | 3.9370 | 21.000 | 0.8268 | 21.946 | 0.8640 | 17.826 | 0.7018 | 1.6 | 0.06 | 2.0 | 0.08 | 101 | 101 | 15.3 | **389AS** | **383A** | 17.4 | 0.69 | 62.0 | 2.44 | 60.0 | 2.36 | 89.0 | 3.50 | 93.0 | 3.66 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 2.1250 | 104.775 | 4.1250 | 30.162 | 1.1875 | 29.317 | 1.1542 | 24.605 | 0.9687 | 3.6 | 0.14 | 3.2 | 0.13 | 136 | 144 | 22.2 | **456** | **453X** | 23.6 | 0.93 | 68.0 | 2.68 | 61.0 | 2.40 | 92.0 | 3.62 | 98.0 | 3.86 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 2.1250 | 104.775 | 4.1250 | 30.162 | 1.1875 | 30.958 | 1.2188 | 23.812 | 0.9375 | 0.8 | 0.03 | 0.8 | 0.03 | 157 | 165 | 25.6 | **45287** | **45221** | 22.2 | 0.87 | 62.0 | 2.44 | 62.0 | 2.44 | 95.0 | 3.74 | 99.0 | 3.90 | 0.33 | 1.80 | 0.99 | 36.6 | 20.8 | 1.76 |
| | 2.1250 | 104.775 | 4.1250 | 36.512 | 1.4375 | 36.512 | 1.4375 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 176 | 195 | 29.3 | **HM807049** | **HM807010** | 29.3 | 1.15 | 73.0 | 2.87 | 63.0 | 2.48 | 89.0 | 3.50 | 100.0 | 3.94 | 0.49 | 1.23 | 0.68 | 41.3 | 34.4 | 1.20 |
| | 2.1250 | 104.775 | 4.1250 | 39.688 | 1.5625 | 40.157 | 1.5810 | 33.338 | 1.3125 | 3.6 | 0.14 | 3.2 | 0.13 | 189 | 211 | 32.3 | **4595** | **4535** | 27.3 | 1.07 | 70.0 | 2.76 | 63.0 | 2.48 | 90.0 | 3.54 | 99.0 | 3.90 | 0.34 | 1.79 | 0.98 | 44.4 | 25.4 | 1.74 |
| | 2.1250 | 107.950 | 4.2500 | 27.795 | 1.0943 | 29.317 | 1.1542 | 27.000 | 1.0630 | 3.6 | 0.14 | 0.8 | 0.03 | 136 | 144 | 22.2 | **456** | **453** | 23.6 | 0.93 | 68.0 | 2.68 | 61.0 | 2.40 | 99.0 | 3.90 | 100.0 | 3.94 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 2.1250 | 107.950 | 4.2500 | 36.512 | 1.4375 | 36.957 | 1.4550 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 172 | 172 | 26.8 | **539** | **532X** | 23.9 | 0.94 | 68.0 | 2.68 | 61.0 | 2.40 | 94.0 | 3.70 | 100.0 | 3.94 | 0.30 | 2.03 | 1.11 | 40.4 | 20.5 | 1.97 |
| | 2.1250 | 107.950 | 4.2500 | 36.512 | 1.4375 | 36.957 | 1.4550 | 28.575 | 1.1250 | 5.6 | 0.22 | 3.2 | 0.13 | 172 | 172 | 26.8 | **539A** | **532X** | 23.9 | 0.94 | 72.0 | 2.83 | 61.0 | 2.40 | 94.0 | 3.70 | 100.0 | 3.94 | 0.30 | 2.03 | 1.11 | 40.4 | 20.5 | 1.97 |
| | 2.1250 | 117.475 | 4.6250 | 33.338 | 1.3125 | 31.750 | 1.2500 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 162 | 152 | 23.2 | **66212R** | **66462** | 33.2 | 1.31 | 73.0 | 2.87 | 67.0 | 2.64 | 100.0 | 3.94 | 111.0 | 4.37 | 0.63 | 0.96 | 0.53 | 37.5 | 40.1 | 0.93 |
| | 2.1250 | 119.985 | 4.7238 | 32.751 | 1.2894 | 30.162 | 1.1875 | 26.949 | 1.0610 | 3.6 | 0.14 | 0.8 | 0.03 | 184 | 207 | 32.1 | **39578** | **39528** | 23.3 | 0.92 | 70.0 | 2.76 | 64.0 | 2.52 | 107.0 | 4.21 | 110.0 | 4.33 | 0.34 | 1.77 | 0.97 | 42.6 | 24.7 | 1.72 |
| | 2.1250 | 120.650 | 4.7500 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 218 | 217 | 34.0 | **621** | **612** | 27.3 | 1.07 | 70.0 | 2.76 | 63.0 | 2.48 | 105.0 | 4.13 | 110.0 | 4.33 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| | 2.1250 | 120.650 | 4.7500 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 0.8 | 0.03 | 0.8 | 0.03 | 218 | 217 | 34.0 | **624** | **612S** | 27.3 | 1.07 | 64.0 | 2.52 | 63.0 | 2.48 | 107.0 | 4.21 | 110.0 | 4.33 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| | 2.1250 | 122.238 | 4.8125 | 33.338 | 1.3125 | 31.750 | 1.2500 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 160 | 153 | 23.3 | **66584** | **66520** | 35.4 | 1.39 | 75.0 | 2.95 | 68.0 | 2.68 | 105.0 | 4.13 | 116.0 | 4.57 | 0.67 | 0.90 | 0.50 | 37.1 | 42.2 | 0.88 |
| | 2.1250 | 122.238 | 4.8125 | 43.658 | 1.7188 | 43.764 | 1.7230 | 36.512 | 1.4375 | 1.2 | 0.05 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5577R** | **5535** | 31.1 | 1.22 | 67.0 | 2.64 | 65.0 | 2.56 | 106.0 | 4.17 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| | 2.1250 | 122.238 | 4.8125 | 43.658 | 1.7188 | 43.764 | 1.7230 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5578R** | **5535** | 31.1 | 1.22 | 73.0 | 2.87 | 67.0 | 2.64 | 106.0 | 4.17 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| | 2.1250 | 123.825 | 4.8750 | 38.100 | 1.5000 | 36.678 | 1.4440 | 30.162 | 1.1875 | 3.6 | 0.14 | 3.2 | 0.13 | 202 | 223 | 34.8 | **557S** | **552A** | 28.7 | 1.13 | 71.0 | 2.80 | 65.0 | 2.56 | 109.0 | 4.29 | 116.0 | 4.57 | 0.35 | 1.73 | 0.95 | 47.1 | 27.9 | 1.69 |

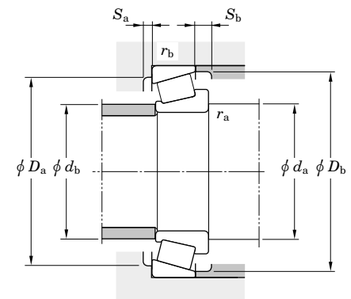
Nota 1) SP indica radio especial.

## Tipo TS

**$d$ (53.975) ~ (57.150) mm**

**(2.1250) ~ (2.2500) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

| Dimensiones Principales | | | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **53.975** | 2.1250 | 127.000 | 5.0000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 34.925 | 1.3750 | 3.6 | 0.14 | 3.2 | 0.13 | 259 | 269 | 41.0 | **65212** | **65500** | 35.2 | 1.39 | 77.0 | 3.03 | 71.0 | 2.80 | 107.0 | 4.21 | 119.0 | 4.69 | 0.49 | 1.23 | 0.68 | 60.6 | 50.5 | 1.20 |
| | 2.1250 | 130.175 | 5.1250 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 246 | 267 | 41.8 | **636** | **633** | 30.3 | 1.19 | 73.0 | 2.87 | 67.0 | 2.64 | 116.0 | 4.57 | 124.0 | 4.88 | 0.36 | 1.66 | 0.91 | 57.4 | 35.5 | 1.62 |
| **54.813** | 2.1580 | 135.755 | 5.3447 | 53.975 | 2.1250 | 56.007 | 2.2050 | 44.450 | 1.7500 | 0.8 | 0.03 | 3.2 | 0.13 | 333 | 357 | 49.3 | **6380** | **6320** | 34.8 | 1.37 | 70.0 | 2.76 | 68.0 | 2.68 | 117.0 | 4.61 | 126.0 | 4.96 | 0.32 | 1.85 | 1.02 | 78.4 | 43.5 | 1.80 |
| **54.986** | 2.1648 | 97.630 | 3.8437 | 24.608 | 0.9688 | 24.608 | 0.9688 | 19.446 | 0.7656 | 2.4 | 0.09 | 0.8 | 0.03 | 113 | 131 | 19.7 | **28680X** | **28622** | 21.2 | 0.83 | 65.0 | 2.56 | 58.0 | 2.28 | 88.0 | 3.46 | 92.0 | 3.62 | 0.40 | 1.49 | 0.82 | 26.1 | 17.9 | 1.45 |
| **54.988** | 2.1649 | 104.775 | 4.1250 | 30.162 | 1.1875 | 29.317 | 1.1542 | 24.605 | 0.9687 | 2.4 | 0.09 | 3.2 | 0.13 | 136 | 144 | 22.2 | **466** | **453X** | 23.6 | 0.93 | 67.0 | 2.64 | 61.0 | 2.40 | 92.0 | 3.62 | 98.0 | 3.86 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 2.1649 | 107.950 | 4.2500 | 27.783 | 1.0938 | 29.317 | 1.1542 | 22.225 | 0.8750 | 2.4 | 0.09 | 0.8 | 0.03 | 136 | 144 | 22.2 | **466** | **453A** | 23.6 | 0.93 | 67.0 | 2.64 | 61.0 | 2.40 | 97.0 | 3.82 | 100.0 | 3.94 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 2.1649 | 110.000 | 4.3307 | 27.795 | 1.0943 | 29.317 | 1.1542 | 27.000 | 1.0630 | 2.4 | 0.09 | 2.0 | 0.08 | 136 | 144 | 22.2 | **466** | **454** | 25.7 | 1.01 | 67.0 | 2.64 | 61.0 | 2.40 | 96.0 | 3.78 | 100.0 | 3.94 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| **54.991** | 2.1650 | 135.755 | 5.3447 | 53.975 | 2.1250 | 56.007 | 2.2050 | 44.450 | 1.7500 | 3.6 | 0.14 | 3.2 | 0.13 | 333 | 357 | 49.3 | **6381** | **6320** | 34.8 | 1.37 | 76.0 | 2.99 | 70.0 | 2.76 | 117.0 | 4.61 | 126.0 | 4.96 | 0.32 | 1.85 | 1.02 | 78.4 | 43.5 | 1.80 |
| **55.000** | 2.1654 | 96.838 | 3.8125 | 21.000 | 0.8268 | 21.946 | 0.8640 | 15.875 | 0.6250 | 2.4 | 0.09 | 0.8 | 0.03 | 101 | 101 | 15.3 | **385** | **382A** | 17.4 | 0.69 | 65.0 | 2.56 | 61.0 | 2.40 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 2.1654 | 96.838 | 3.8125 | 21.000 | 0.8268 | 21.946 | 0.8640 | 15.875 | 0.6250 | 3.6 | 0.14 | 0.8 | 0.03 | 101 | 101 | 15.3 | **385X** | **382A** | 17.4 | 0.69 | 67.0 | 2.64 | 61.0 | 2.40 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 2.1654 | 98.425 | 3.8750 | 21.000 | 0.8268 | 21.946 | 0.8640 | 17.826 | 0.7018 | 2.4 | 0.09 | 0.8 | 0.03 | 101 | 101 | 15.3 | **385** | **382** | 17.4 | 0.69 | 65.0 | 2.56 | 61.0 | 2.40 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 2.1654 | 100.000 | 3.9370 | 25.400 | 1.0000 | 21.946 | 0.8640 | 22.225 | 0.8750 | 2.4 | 0.09 | 1.2 | 0.05 | 101 | 101 | 15.3 | **385** | **383X** | 21.8 | 0.86 | 65.0 | 2.56 | 61.0 | 2.40 | 87.0 | 3.43 | 93.0 | 3.66 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 2.1654 | 120.000 | 4.7244 | 29.002 | 1.1418 | 29.007 | 1.1420 | 23.444 | 0.9230 | 0.8 | 0.03 | 3.2 | 0.13 | 148 | 161 | 25.0 | **475** | **472A** | 24.9 | 0.98 | 67.0 | 2.64 | 66.0 | 2.60 | 106.0 | 4.17 | 114.0 | 4.49 | 0.38 | 1.56 | 0.86 | 34.5 | 22.7 | 1.52 |
| | 2.1654 | 120.000 | 4.7244 | 29.002 | 1.1418 | 29.007 | 1.1420 | 23.444 | 0.9230 | 2.0 | 0.08 | 3.2 | 0.13 | 148 | 161 | 25.0 | **475X** | **472A** | 24.9 | 0.98 | 69.0 | 2.72 | 66.0 | 2.60 | 106.0 | 4.17 | 114.0 | 4.49 | 0.38 | 1.56 | 0.86 | 34.5 | 22.7 | 1.52 |
| | 2.1654 | 120.650 | 4.7500 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 0.8 | 0.03 | 3.2 | 0.13 | 218 | 217 | 34.0 | **622X** | **612** | 27.3 | 1.07 | 66.0 | 2.60 | 64.0 | 2.52 | 105.0 | 4.13 | 110.0 | 4.33 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| **55.006** | 2.1656 | 120.650 | 4.7500 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 0.8 | 0.03 | 3.2 | 0.13 | 218 | 217 | 34.0 | **622A** | **612** | 27.3 | 1.07 | 66.0 | 2.60 | 64.0 | 2.52 | 105.0 | 4.13 | 110.0 | 4.33 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| **55.474** | 2.1840 | 96.838 | 3.8125 | 21.000 | 0.8268 | 21.946 | 0.8640 | 15.875 | 0.6250 | 2.4 | 0.09 | 0.8 | 0.03 | 101 | 101 | 15.3 | **386** | **382A** | 17.4 | 0.69 | 65.0 | 2.56 | 61.0 | 2.40 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| **55.562** | 2.1875 | 97.630 | 3.8437 | 24.608 | 0.9688 | 24.608 | 0.9688 | 19.446 | 0.7656 | 3.6 | 0.14 | 0.8 | 0.03 | 113 | 131 | 19.7 | **28680** | **28622** | 21.2 | 0.83 | 68.0 | 2.68 | 62.0 | 2.44 | 88.0 | 3.46 | 92.0 | 3.62 | 0.40 | 1.49 | 0.82 | 26.1 | 17.9 | 1.45 |
| | 2.1875 | 104.775 | 4.1250 | 30.162 | 1.1875 | 29.317 | 1.1542 | 24.605 | 0.9687 | 2.4 | 0.09 | 3.2 | 0.13 | 136 | 144 | 22.2 | **466S** | **453X** | 23.6 | 0.93 | 67.0 | 2.64 | 61.0 | 2.40 | 92.0 | 3.62 | 98.0 | 3.86 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 2.1875 | 122.238 | 4.8125 | 43.658 | 1.7188 | 43.764 | 1.7230 | 36.512 | 1.4375 | 1.2 | 0.05 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5566R** | **5535** | 31.1 | 1.22 | 70.0 | 2.76 | 68.0 | 2.68 | 106.0 | 4.17 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| | 2.1875 | 127.000 | 5.0000 | 36.512 | 1.4375 | 36.512 | 1.4375 | 26.988 | 1.0625 | 3.6 | 0.14 | 3.2 | 0.13 | 209 | 235 | 36.2 | **HM813840** | **HM813810** | 32.9 | 1.30 | 76.0 | 2.99 | 70.0 | 2.76 | 111.0 | 4.37 | 121.0 | 4.76 | 0.50 | 1.20 | 0.66 | 48.6 | 41.7 | 1.17 |
| **55.575** | 2.1880 | 96.838 | 3.8125 | 21.000 | 0.8268 | 21.946 | 0.8640 | 15.875 | 0.6250 | 2.4 | 0.09 | 0.8 | 0.03 | 101 | 101 | 15.3 | **389** | **382A** | 17.4 | 0.69 | 65.0 | 2.56 | 61.0 | 2.40 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 2.1880 | 96.838 | 3.8125 | 21.000 | 0.8268 | 26.256 | 1.0337 | 15.875 | 0.6250 | 2.4 | 0.09 | 0.8 | 0.03 | 101 | 101 | 15.3 | **389S** | **382A** | 17.4 | 0.69 | 65.0 | 2.56 | 61.0 | 2.40 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| **55.753** | 2.1950 | 122.238 | 4.8125 | 33.338 | 1.3125 | 31.750 | 1.2500 | 23.812 | 0.9375 | SP[1)] | SP[1)] | 3.2 | 0.13 | 160 | 153 | 23.3 | **66583** | **66520** | 35.4 | 1.39 | 70.0 | 2.76 | 63.0 | 2.48 | 105.0 | 4.13 | 116.0 | 4.57 | 0.67 | 0.90 | 0.50 | 37.1 | 42.2 | 0.88 |
| **57.150** | 2.2500 | 96.838 | 3.8125 | 21.000 | 0.8268 | 21.946 | 0.8640 | 15.875 | 0.6250 | 2.4 | 0.09 | 0.8 | 0.03 | 101 | 101 | 15.3 | **387** | **382A** | 17.4 | 0.69 | 66.0 | 2.60 | 62.0 | 2.44 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 2.2500 | 96.838 | 3.8125 | 21.000 | 0.8268 | 21.946 | 0.8640 | 15.875 | 0.6250 | 3.6 | 0.14 | 0.8 | 0.03 | 101 | 101 | 15.3 | **387A** | **382A** | 17.4 | 0.69 | 69.0 | 2.72 | 62.0 | 2.44 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 2.2500 | 96.838 | 3.8125 | 21.000 | 0.8268 | 21.946 | 0.8640 | 15.875 | 0.6250 | 5.2 | 0.20 | 0.8 | 0.03 | 101 | 101 | 15.3 | **387AS** | **382A** | 17.4 | 0.69 | 72.0 | 2.83 | 62.0 | 2.44 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 2.2500 | 96.838 | 3.8125 | 21.000 | 0.8268 | 21.946 | 0.8640 | 15.875 | 0.6250 | 0.8 | 0.03 | 0.8 | 0.03 | 101 | 101 | 15.3 | **387S** | **382A** | 17.4 | 0.69 | 63.0 | 2.48 | 62.0 | 2.44 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 2.2500 | 98.425 | 3.8750 | 21.000 | 0.8268 | 21.946 | 0.8640 | 17.826 | 0.7018 | 2.4 | 0.09 | 0.8 | 0.03 | 101 | 101 | 15.3 | **387** | **382** | 17.4 | 0.69 | 66.0 | 2.60 | 62.0 | 2.44 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| | 2.2500 | 98.425 | 3.8750 | 24.608 | 0.9688 | 24.608 | 0.9688 | 19.446 | 0.7656 | 3.6 | 0.14 | 0.8 | 0.03 | 113 | 131 | 19.7 | **28682** | **28623** | 21.2 | 0.83 | 70.0 | 2.76 | 63.0 | 2.48 | 88.0 | 3.46 | 93.0 | 3.66 | 0.40 | 1.49 | 0.82 | 26.1 | 17.9 | 1.45 |
| | 2.2500 | 104.775 | 4.1250 | 30.162 | 1.1875 | 29.317 | 1.1542 | 24.605 | 0.9687 | 2.4 | 0.09 | 3.2 | 0.13 | 136 | 144 | 22.2 | **462** | **453X** | 23.6 | 0.93 | 67.0 | 2.64 | 63.0 | 2.48 | 92.0 | 3.62 | 98.0 | 3.86 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 2.2500 | 104.775 | 4.1250 | 30.162 | 1.1875 | 29.317 | 1.1542 | 24.605 | 0.9687 | 3.6 | 0.14 | 3.2 | 0.13 | 136 | 144 | 22.2 | **469** | **453X** | 23.6 | 0.93 | 70.0 | 2.76 | 63.0 | 2.48 | 92.0 | 3.62 | 98.0 | 3.86 | 0.34 | 1.79 | 0.98 | 31.7 | 18.2 | 1.74 |
| | 2.2500 | 104.775 | 4.1250 | 30.162 | 1.1875 | 30.958 | 1.2188 | 23.812 | 0.9375 | 0.8 | 0.03 | 0.8 | 0.03 | 157 | 165 | 25.6 | **45289** | **45221** | 22.2 | 0.87 | 65.0 | 2.56 | 65.0 | 2.56 | 95.0 | 3.74 | 99.0 | 3.90 | 0.33 | 1.80 | 0.99 | 36.6 | 20.8 | 1.76 |
| | 2.2500 | 104.775 | 4.1250 | 30.162 | 1.1875 | 30.958 | 1.2188 | 23.812 | 0.9375 | 2.4 | 0.09 | 0.8 | 0.03 | 157 | 165 | 25.6 | **45290** | **45221** | 22.2 | 0.87 | 68.0 | 2.68 | 65.0 | 2.56 | 95.0 | 3.74 | 99.0 | 3.90 | 0.33 | 1.80 | 0.99 | 36.6 | 20.8 | 1.76 |
| | 2.2500 | 104.775 | 4.1250 | 30.162 | 1.1875 | 30.958 | 1.2188 | 23.812 | 0.9375 | 6.4 | 0.25 | 0.8 | 0.03 | 157 | 165 | 25.6 | **45291** | **45221** | 22.2 | 0.87 | 76.0 | 2.99 | 65.0 | 2.56 | 95.0 | 3.74 | 99.0 | 3.90 | 0.33 | 1.80 | 0.99 | 36.6 | 20.8 | 1.76 |

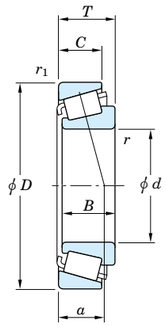
Nota 1) SP indica radio especial.

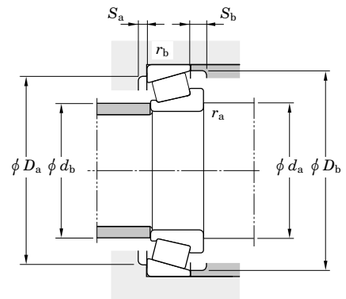
Koyo

## Tipo TS

**$d$ (57.150) ~ (60.000) mm**

**(2.2500) ~ (2.3622) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

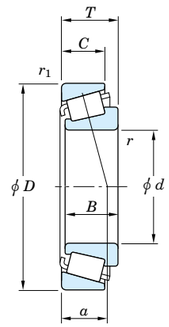
| Dimensiones Principales | | | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **57.150** | 2.2500 | 110.000 | 4.3307 | 22.000 | 0.8661 | 21.996 | 0.8660 | 22.000 | 0.8661 | 2.4 | 0.09 | 0.8 | 0.03 | 109 | 116 | 17.7 | **390** | **394** | 21.3 | 0.84 | 70.0 | 2.76 | 66.0 | 2.60 | 102.0 | 4.02 | 104.5 | 4.11 | 0.40 | 1.49 | 0.82 | 25.0 | 17.2 | 1.46 |
| | 2.2500 | 111.125 | 4.3750 | 22.000 | 0.8661 | 21.996 | 0.8660 | 18.824 | 0.7411 | 2.4 | 0.09 | 1.2 | 0.05 | 109 | 116 | 17.7 | **390** | **393AS** | 21.3 | 0.84 | 70.0 | 2.76 | 66.0 | 2.60 | 101.0 | 3.98 | 105.0 | 4.13 | 0.40 | 1.49 | 0.82 | 25.0 | 17.2 | 1.46 |
| | 2.2500 | 112.712 | 4.4375 | 22.225 | 0.8750 | 21.996 | 0.8660 | 15.875 | 0.6250 | 2.4 | 0.09 | 3.2 | 0.13 | 109 | 116 | 17.7 | **390** | **393A** | 21.5 | 0.85 | 70.0 | 2.76 | 66.0 | 2.60 | 100.0 | 3.94 | 105.0 | 4.13 | 0.40 | 1.49 | 0.82 | 25.0 | 17.2 | 1.46 |
| | 2.2500 | 112.712 | 4.4375 | 30.162 | 1.1875 | 30.048 | 1.1830 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 139 | 164 | 25.1 | **3979** | **3920** | 25.9 | 1.02 | 72.0 | 2.83 | 66.0 | 2.60 | 99.0 | 3.90 | 106.0 | 4.17 | 0.40 | 1.49 | 0.82 | 32.4 | 22.3 | 1.46 |
| | 2.2500 | 112.712 | 4.4375 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 184 | 207 | 32.1 | **39580** | **39520** | 23.3 | 0.92 | 72.0 | 2.83 | 66.0 | 2.60 | 101.0 | 3.98 | 107.0 | 4.21 | 0.34 | 1.77 | 0.97 | 42.6 | 24.7 | 1.72 |
| | 2.2500 | 112.712 | 4.4375 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 7.9 | 0.31 | 3.2 | 0.13 | 184 | 207 | 32.1 | **39581** | **39520** | 23.3 | 0.92 | 81.0 | 3.19 | 66.0 | 2.60 | 101.0 | 3.98 | 107.0 | 4.21 | 0.34 | 1.77 | 0.97 | 42.6 | 24.7 | 1.72 |
| | 2.2500 | 112.712 | 4.4375 | 36.512 | 1.4375 | 30.162 | 1.1875 | 30.162 | 1.1875 | 3.6 | 0.14 | 3.2 | 0.13 | 184 | 207 | 32.1 | **39580** | **39522** | 29.7 | 1.17 | 72.0 | 2.83 | 66.0 | 2.60 | 101.0 | 3.98 | 107.0 | 4.21 | 0.34 | 1.77 | 0.97 | 42.6 | 24.7 | 1.72 |
| | 2.2500 | 117.475 | 4.6250 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 148 | 179 | 27.4 | **33225** | **33461** | 27.8 | 1.09 | 74.0 | 2.91 | 68.0 | 2.68 | 106.0 | 4.17 | 112.0 | 4.41 | 0.44 | 1.38 | 0.76 | 34.4 | 25.6 | 1.34 |
| | 2.2500 | 117.475 | 4.6250 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 148 | 179 | 27.4 | **33225** | **33462** | 27.8 | 1.09 | 74.0 | 2.91 | 68.0 | 2.68 | 104.0 | 4.09 | 112.0 | 4.41 | 0.44 | 1.38 | 0.76 | 34.4 | 25.6 | 1.34 |
| | 2.2500 | 117.475 | 4.6250 | 33.338 | 1.3125 | 31.750 | 1.2500 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 162 | 152 | 23.2 | **66225R** | **66461** | 33.2 | 1.31 | 76.0 | 2.99 | 69.0 | 2.72 | 102.0 | 4.02 | 111.0 | 4.37 | 0.63 | 0.96 | 0.53 | 37.5 | 40.1 | 0.93 |
| | 2.2500 | 120.040 | 4.7260 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 218 | 217 | 34.0 | **623** | **612A** | 27.3 | 1.07 | 72.0 | 2.83 | 66.0 | 2.60 | 103.0 | 4.06 | 109.0 | 4.29 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| | 2.2500 | 120.650 | 4.7500 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 218 | 217 | 34.0 | **623** | **612** | 27.3 | 1.07 | 72.0 | 2.83 | 66.0 | 2.60 | 105.0 | 4.13 | 110.0 | 4.33 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| | 2.2500 | 120.650 | 4.7500 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 218 | 217 | 34.0 | **623A** | **612** | 27.3 | 1.07 | 78.0 | 3.07 | 66.0 | 2.60 | 105.0 | 4.13 | 110.0 | 4.33 | 0.31 | 1.91 | 1.05 | 50.9 | 27.4 | 1.86 |
| | 2.2500 | 122.238 | 4.8125 | 33.338 | 1.3125 | 31.750 | 1.2500 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 160 | 153 | 23.3 | **66587** | **66520** | 35.4 | 1.39 | 77.0 | 3.03 | 71.0 | 2.80 | 105.0 | 4.13 | 116.0 | 4.57 | 0.67 | 0.90 | 0.50 | 37.1 | 42.2 | 0.88 |
| | 2.2500 | 122.238 | 4.8125 | 38.100 | 1.5000 | 36.678 | 1.4440 | 30.162 | 1.1875 | 3.6 | 0.14 | 3.2 | 0.13 | 202 | 223 | 34.8 | **555S** | **553X** | 28.7 | 1.13 | 73.0 | 2.87 | 67.0 | 2.64 | 108.0 | 4.25 | 115.0 | 4.53 | 0.35 | 1.73 | 0.95 | 47.1 | 27.9 | 1.69 |
| | 2.2500 | 123.825 | 4.8750 | 38.100 | 1.5000 | 36.678 | 1.4440 | 30.162 | 1.1875 | 7.9 | 0.31 | 3.2 | 0.13 | 202 | 223 | 34.8 | **555SA** | **552A** | 28.7 | 1.13 | 82.0 | 3.23 | 67.0 | 2.64 | 109.0 | 4.29 | 116.0 | 4.57 | 0.35 | 1.73 | 0.95 | 47.1 | 27.9 | 1.69 |
| | 2.2500 | 127.000 | 5.0000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 34.925 | 1.3750 | 3.6 | 0.14 | 3.2 | 0.13 | 259 | 269 | 41.0 | **65225** | **65500** | 35.2 | 1.39 | 80.0 | 3.15 | 71.0 | 2.80 | 107.0 | 4.21 | 119.0 | 4.69 | 0.49 | 1.23 | 0.68 | 60.6 | 50.5 | 1.20 |
| | 2.2500 | 135.755 | 5.3447 | 53.975 | 2.1250 | 56.007 | 2.2050 | 44.450 | 1.7500 | 4.3 | 0.17 | 3.2 | 0.13 | 333 | 357 | 49.3 | **6375** | **6320** | 34.8 | 1.37 | 78.0 | 3.07 | 70.0 | 2.76 | 117.0 | 4.61 | 126.0 | 4.96 | 0.32 | 1.85 | 1.02 | 78.4 | 43.5 | 1.80 |
| | 2.2500 | 135.755 | 5.3447 | 53.975 | 2.1250 | 56.007 | 2.2050 | 44.450 | 1.7500 | 0.8 | 0.03 | 3.2 | 0.13 | 333 | 357 | 49.3 | **6387** | **6320** | 34.8 | 1.37 | 71.0 | 2.80 | 70.0 | 2.76 | 117.0 | 4.61 | 126.0 | 4.96 | 0.32 | 1.85 | 1.02 | 78.4 | 43.5 | 1.80 |
| | 2.2500 | 136.525 | 5.3750 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 246 | 267 | 41.8 | **635** | **632** | 30.3 | 1.19 | 75.0 | 2.95 | 69.0 | 2.72 | 118.0 | 4.65 | 125.0 | 4.92 | 0.36 | 1.66 | 0.91 | 57.4 | 35.5 | 1.62 |
| | 2.2500 | 149.225 | 5.8750 | 53.975 | 2.1250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 6.4 | 0.25 | 3.2 | 0.13 | 357 | 404 | 54.4 | **6465** | **6420** | 39.3 | 1.55 | 86.0 | 3.39 | 81.0 | 3.19 | 129.0 | 5.08 | 141.0 | 5.55 | 0.36 | 1.66 | 0.91 | 83.9 | 51.9 | 1.62 |
| | 2.2500 | 149.225 | 5.8750 | 53.975 | 2.1250 | 54.229 | 2.1350 | 44.450 | 1.7500 | 3.6 | 0.14 | 3.2 | 0.13 | 357 | 404 | 54.4 | **6455** | **6420** | 39.3 | 1.55 | 81.0 | 3.19 | 75.0 | 2.95 | 129.0 | 5.08 | 141.0 | 5.55 | 0.36 | 1.66 | 0.91 | 83.9 | 51.9 | 1.62 |
| **57.531** | 2.2650 | 96.838 | 3.8125 | 21.000 | 0.8268 | 21.946 | 0.8640 | 15.875 | 0.6250 | 3.6 | 0.14 | 0.8 | 0.03 | 101 | 101 | 15.3 | **388A** | **382A** | 17.4 | 0.69 | 69.0 | 2.72 | 63.0 | 2.48 | 89.0 | 3.50 | 92.0 | 3.62 | 0.35 | 1.69 | 0.93 | 23.2 | 14.1 | 1.65 |
| **58.738** | 2.3125 | 112.712 | 4.4375 | 33.338 | 1.3125 | 30.048 | 1.1830 | 26.988 | 1.0625 | 3.6 | 0.14 | 3.2 | 0.13 | 139 | 164 | 25.1 | **3981** | **3926** | 29.1 | 1.15 | 73.0 | 2.87 | 67.0 | 2.64 | 98.0 | 3.86 | 106.0 | 4.17 | 0.40 | 1.49 | 0.82 | 32.4 | 22.3 | 1.46 |
| | 2.3125 | 122.238 | 4.8125 | 51.595 | 2.0313 | 51.702 | 2.0355 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5558R** | **5535** | 39.0 | 1.54 | 77.0 | 3.03 | 72.0 | 2.83 | 106.0 | 4.17 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| | 2.3125 | 127.000 | 5.0000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 34.925 | 1.3750 | 3.6 | 0.14 | 3.2 | 0.13 | 259 | 269 | 41.0 | **65231** | **65500** | 35.2 | 1.39 | 81.0 | 3.19 | 71.0 | 2.80 | 107.0 | 4.21 | 119.0 | 4.69 | 0.49 | 1.23 | 0.68 | 60.6 | 50.5 | 1.20 |
| **59.530** | 2.3437 | 112.712 | 4.4375 | 30.162 | 1.1875 | 30.048 | 1.1830 | 23.812 | 0.9375 | 1.6 | 0.06 | 3.2 | 0.13 | 139 | 164 | 25.1 | **3978** | **3920** | 25.9 | 1.02 | 70.0 | 2.76 | 68.0 | 2.68 | 99.0 | 3.90 | 106.0 | 4.17 | 0.40 | 1.49 | 0.82 | 32.4 | 22.3 | 1.46 |
| **59.880** | 2.3575 | 127.000 | 5.0000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 34.925 | 1.3750 | 3.6 | 0.14 | 3.2 | 0.13 | 259 | 269 | 41.0 | **65235** | **65500** | 35.2 | 1.39 | 82.0 | 3.23 | 71.0 | 2.80 | 107.0 | 4.21 | 119.0 | 4.69 | 0.49 | 1.23 | 0.68 | 60.6 | 50.5 | 1.20 |
| **59.972** | 2.3611 | 122.238 | 4.8125 | 33.338 | 1.3125 | 31.750 | 1.2500 | 23.812 | 0.9375 | 0.8 | 0.03 | 3.2 | 0.13 | 160 | 153 | 23.3 | **66589** | **66520** | 35.4 | 1.39 | 74.0 | 2.91 | 73.0 | 2.87 | 105.0 | 4.13 | 116.0 | 4.57 | 0.67 | 0.90 | 0.50 | 37.1 | 42.2 | 0.88 |
| **59.977** | 2.3613 | 101.600 | 4.0000 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.845 | 0.7813 | 3.6 | 0.14 | 3.2 | 0.13 | 115 | 137 | 20.6 | **28980** | **28920** | 22.8 | 0.90 | 73.0 | 2.87 | 67.0 | 2.64 | 89.0 | 3.50 | 96.0 | 3.78 | 0.43 | 1.41 | 0.78 | 26.6 | 19.3 | 1.38 |
| | 2.3613 | 122.238 | 4.8125 | 33.338 | 1.3125 | 31.750 | 1.2500 | 23.812 | 0.9375 | 1.6 | 0.06 | 3.2 | 0.13 | 160 | 153 | 23.3 | **66586** | **66520** | 35.4 | 1.39 | 75.0 | 2.95 | 68.0 | 2.68 | 105.0 | 4.13 | 116.0 | 4.57 | 0.67 | 0.90 | 0.50 | 37.1 | 42.2 | 0.88 |
| **59.985** | 2.3616 | 135.755 | 5.3447 | 53.975 | 2.1250 | 56.007 | 2.2050 | 44.450 | 1.7500 | 3.6 | 0.14 | 3.2 | 0.13 | 333 | 357 | 49.3 | **6391** | **6320** | 34.8 | 1.37 | 79.0 | 3.11 | 70.0 | 2.76 | 117.0 | 4.61 | 126.0 | 4.96 | 0.32 | 1.85 | 1.02 | 78.4 | 43.5 | 1.80 |
| **59.987** | 2.3617 | 104.775 | 4.1250 | 21.432 | 0.8438 | 22.000 | 0.8661 | 15.875 | 0.6250 | 2.4 | 0.09 | 2.0 | 0.08 | 115 | 118 | 18.0 | **39236** | **39412** | 19.5 | 0.77 | 71.0 | 2.80 | 67.0 | 2.64 | 96.0 | 3.78 | 100.0 | 3.94 | 0.39 | 1.55 | 0.85 | 26.4 | 17.5 | 1.51 |
| **60.000** | 2.3622 | 107.950 | 4.2500 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.050 | 0.7500 | 3.6 | 0.14 | 3.2 | 0.13 | 116 | 143 | 21.6 | **29580** | **29520** | 24.7 | 0.97 | 74.0 | 2.91 | 68.0 | 2.68 | 96.0 | 3.78 | 103.0 | 4.06 | 0.46 | 1.31 | 0.72 | 26.9 | 21.1 | 1.28 |
| | 2.3622 | 107.950 | 4.2500 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.050 | 0.7500 | 0.8 | 0.03 | 0.8 | 0.03 | 116 | 143 | 21.6 | **29582** | **29522** | 24.7 | 0.97 | 69.0 | 2.72 | 68.0 | 2.68 | 98.0 | 3.86 | 103.0 | 4.06 | 0.46 | 1.31 | 0.72 | 26.9 | 21.1 | 1.26 |
| | 2.3622 | 110.000 | 4.3307 | 22.000 | 0.8661 | 21.996 | 0.8660 | 18.824 | 0.7411 | 0.8 | 0.03 | 1.2 | 0.05 | 109 | 116 | 17.7 | **397** | **394A** | 21.3 | 0.84 | 69.0 | 2.72 | 68.0 | 2.68 | 101.0 | 3.98 | 104.5 | 4.11 | 0.40 | 1.49 | 0.82 | 25.0 | 17.2 | 1.46 |

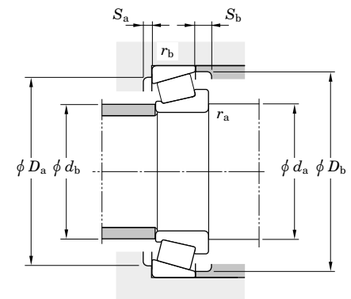
Nota 1) SP indica radio especial.

## Tipo TS

**$d$ (60.000) ~ (63.500) mm**

**(2.3622) ~ (2.5000) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

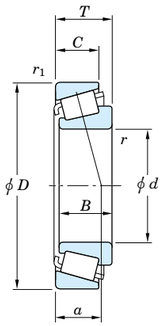
| Dimensiones Principales | | | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **60.000** | 2.3622 | 112.712 | 4.4375 | 30.162 | 1.1875 | 30.048 | 1.1830 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 139 | 164 | 25.1 | **3977** | **3925** | 25.9 | 1.02 | 74.0 | 2.91 | 68.0 | 2.68 | 101.0 | 3.98 | 106.0 | 4.17 | 0.40 | 1.49 | 0.82 | 32.4 | 22.3 | 1.46 |
| | 2.3622 | 120.000 | 4.7244 | 29.002 | 1.1418 | 29.007 | 1.1420 | 23.444 | 0.9230 | 2.0 | 0.08 | 3.2 | 0.13 | 148 | 161 | 25.0 | **476** | **472A** | 24.9 | 0.98 | 73.0 | 2.87 | 69.0 | 2.72 | 106.0 | 4.17 | 114.0 | 4.49 | 0.38 | 1.56 | 0.86 | 34.5 | 22.7 | 1.52 |
| | 2.3622 | 120.000 | 4.7244 | 29.794 | 1.1730 | 29.007 | 1.1420 | 24.237 | 0.9542 | 1.6 | 0.06 | 2.0 | 0.08 | 148 | 161 | 25.0 | **476A** | **472** | 25.7 | 1.01 | 72.0 | 2.83 | 69.0 | 2.72 | 107.0 | 4.21 | 114.0 | 4.49 | 0.38 | 1.56 | 0.86 | 34.5 | 22.7 | 1.52 |
| | 2.3622 | 122.238 | 4.8125 | 33.338 | 1.3125 | 31.750 | 1.2500 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 160 | 153 | 23.3 | **66585** | **66520** | 35.4 | 1.39 | 79.0 | 3.11 | 73.0 | 2.87 | 105.0 | 4.13 | 116.0 | 4.57 | 0.67 | 0.90 | 0.50 | 37.1 | 42.2 | 0.88 |
| | 2.3622 | 122.238 | 4.8125 | 33.338 | 1.3125 | 31.750 | 1.2500 | 23.812 | 0.9375 | 0.8 | 0.03 | 3.2 | 0.13 | 160 | 153 | 23.3 | **66588** | **66520** | 35.4 | 1.39 | 72.0 | 2.83 | 65.0 | 2.56 | 105.0 | 4.13 | 116.0 | 4.57 | 0.67 | 0.90 | 0.50 | 37.1 | 42.2 | 0.88 |
| **60.325** | 2.3750 | 100.000 | 3.9370 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.845 | 0.7813 | 3.6 | 0.14 | 3.2 | 0.13 | 115 | 137 | 20.6 | **28985** | **28921** | 22.8 | 0.90 | 73.0 | 2.87 | 67.0 | 2.64 | 89.0 | 3.50 | 96.0 | 3.78 | 0.43 | 1.41 | 0.78 | 26.6 | 19.3 | 1.38 |
| | 2.3750 | 100.000 | 3.9370 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.845 | 0.7813 | 3.6 | 0.14 | 0.8 | 0.03 | 115 | 137 | 20.6 | **28985** | **28921A** | 22.8 | 0.90 | 73.0 | 2.87 | 67.0 | 2.64 | 92.0 | 3.62 | 96.0 | 3.78 | 0.43 | 1.41 | 0.78 | 26.6 | 19.3 | 1.38 |
| | 2.3750 | 101.600 | 4.0000 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.845 | 0.7813 | 3.6 | 0.14 | 3.2 | 0.13 | 115 | 137 | 20.6 | **28985** | **28920** | 22.8 | 0.90 | 73.0 | 2.87 | 67.0 | 2.64 | 89.0 | 3.50 | 96.0 | 3.78 | 0.43 | 1.41 | 0.78 | 26.6 | 19.3 | 1.38 |
| | 2.3750 | 112.712 | 4.4375 | 30.162 | 1.1875 | 30.048 | 1.1830 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 139 | 164 | 25.1 | **3980** | **3925** | 25.9 | 1.02 | 75.0 | 2.95 | 68.0 | 2.68 | 101.0 | 3.98 | 106.0 | 4.17 | 0.40 | 1.49 | 0.82 | 32.4 | 22.3 | 1.46 |
| | 2.3750 | 122.238 | 4.8125 | 38.100 | 1.5000 | 36.678 | 1.4440 | 30.162 | 1.1875 | 7.9 | 0.31 | 3.2 | 0.13 | 202 | 223 | 34.8 | **557A** | **553X** | 28.7 | 1.13 | 84.0 | 3.31 | 69.0 | 2.72 | 108.0 | 4.25 | 115.0 | 4.53 | 0.35 | 1.73 | 0.95 | 47.1 | 27.9 | 1.69 |
| | 2.3750 | 122.238 | 4.8125 | 38.100 | 1.5000 | 36.678 | 1.4440 | 30.162 | 1.1875 | 2.4 | 0.09 | 3.2 | 0.13 | 202 | 223 | 34.8 | **558** | **553X** | 28.7 | 1.13 | 73.0 | 2.87 | 69.0 | 2.72 | 108.0 | 4.25 | 115.0 | 4.53 | 0.35 | 1.73 | 0.95 | 47.1 | 27.9 | 1.69 |
| | 2.3750 | 122.238 | 4.8125 | 38.100 | 1.5000 | 36.678 | 1.4440 | 30.162 | 1.1875 | 3.6 | 0.14 | 3.2 | 0.13 | 202 | 223 | 34.8 | **558A** | **553X** | 28.7 | 1.13 | 76.0 | 2.99 | 69.0 | 2.72 | 108.0 | 4.25 | 115.0 | 4.53 | 0.35 | 1.73 | 0.95 | 47.1 | 27.9 | 1.69 |
| | 2.3750 | 122.238 | 4.8125 | 38.100 | 1.5000 | 38.354 | 1.5100 | 29.718 | 1.1700 | 7.9 | 0.31 | 1.6 | 0.06 | 238 | 249 | 39.1 | **HM212044** | **HM212010** | 27.3 | 1.07 | 85.0 | 3.35 | 70.0 | 2.76 | 110.0 | 4.33 | 116.0 | 4.57 | 0.34 | 1.78 | 0.98 | 55.5 | 32.0 | 1.73 |
| | 2.3750 | 122.238 | 4.8125 | 43.658 | 1.7188 | 43.764 | 1.7230 | 36.512 | 1.4375 | 0.8 | 0.03 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5582R** | **5535** | 31.1 | 1.22 | 73.0 | 2.87 | 72.0 | 2.83 | 106.0 | 4.17 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| | 2.3750 | 122.238 | 4.8125 | 43.658 | 1.7188 | 43.764 | 1.7230 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5583R** | **5535** | 31.1 | 1.22 | 78.0 | 3.07 | 72.0 | 2.83 | 106.0 | 4.17 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| | 2.3750 | 127.000 | 5.0000 | 36.512 | 1.4375 | 36.512 | 1.4375 | 26.988 | 1.0625 | 3.6 | 0.14 | 1.6 | 0.06 | 209 | 235 | 36.2 | **HM813841** | **HM813811** | 32.9 | 1.30 | 80.0 | 3.15 | 73.0 | 2.87 | 113.0 | 4.45 | 121.0 | 4.76 | 0.50 | 1.20 | 0.66 | 48.6 | 41.7 | 1.17 |
| | 2.3750 | 127.000 | 5.0000 | 36.512 | 1.4375 | 36.512 | 1.4375 | 26.988 | 1.0625 | 1.6 | 0.06 | 3.2 | 0.13 | 209 | 235 | 36.2 | **HM813841A** | **HM813810** | 32.9 | 1.30 | 74.0 | 2.91 | 71.0 | 2.80 | 110.0 | 4.33 | 121.0 | 4.76 | 0.50 | 1.20 | 0.66 | 48.6 | 41.7 | 1.17 |
| | 2.3750 | 127.000 | 5.0000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 34.925 | 1.3750 | 3.6 | 0.14 | 3.2 | 0.13 | 259 | 269 | 41.0 | **65237** | **65500** | 35.2 | 1.39 | 82.0 | 3.23 | 71.0 | 2.80 | 107.0 | 4.21 | 119.0 | 4.69 | 0.49 | 1.23 | 0.68 | 60.6 | 50.5 | 1.20 |
| | 2.3750 | 127.000 | 5.0000 | 44.450 | 1.7500 | 44.450 | 1.7500 | 34.925 | 1.3750 | 1.6 | 0.06 | 3.2 | 0.13 | 259 | 269 | 41.0 | **65237A** | **65500** | 35.2 | 1.39 | 78.0 | 3.07 | 71.0 | 2.80 | 107.0 | 4.21 | 119.0 | 4.69 | 0.49 | 1.23 | 0.68 | 60.6 | 50.5 | 1.20 |
| | 2.3750 | 130.175 | 5.1250 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 246 | 267 | 41.8 | **637** | **633** | 30.3 | 1.19 | 78.0 | 3.07 | 72.0 | 2.83 | 116.0 | 4.57 | 124.0 | 4.88 | 0.36 | 1.66 | 0.91 | 57.4 | 35.5 | 1.62 |
| | 2.3750 | 135.755 | 5.3447 | 53.975 | 2.1250 | 56.007 | 2.2050 | 44.450 | 1.7500 | 3.6 | 0.14 | 3.2 | 0.13 | 333 | 357 | 49.3 | **6376** | **6320** | 34.8 | 1.37 | 81.0 | 3.19 | 74.0 | 2.91 | 117.0 | 4.61 | 126.0 | 4.96 | 0.32 | 1.85 | 1.02 | 78.4 | 43.5 | 1.80 |
| | 2.3750 | 136.525 | 5.3750 | 46.038 | 1.8125 | 46.038 | 1.8125 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 290 | 369 | 49.6 | **H715332** | **H715311** | 37.0 | 1.46 | 84.0 | 3.31 | 78.0 | 3.07 | 118.0 | 4.65 | 132.0 | 5.20 | 0.47 | 1.27 | 0.70 | 67.8 | 54.8 | 1.24 |
| **61.912** | 2.4375 | 110.000 | 4.3307 | 22.000 | 0.8661 | 21.996 | 0.8660 | 18.824 | 0.7411 | 0.8 | 0.03 | 1.2 | 0.05 | 109 | 116 | 17.7 | **392** | **394A** | 21.3 | 0.84 | 70.0 | 2.76 | 69.0 | 2.72 | 101.0 | 3.98 | 104.5 | 4.11 | 0.40 | 1.49 | 0.82 | 25.0 | 17.2 | 1.46 |
| | 2.4375 | 122.238 | 4.8125 | 38.100 | 1.5000 | 36.678 | 1.4440 | 30.162 | 1.1875 | 3.6 | 0.14 | 3.2 | 0.13 | 202 | 223 | 34.8 | **554** | **553X** | 28.7 | 1.13 | 77.0 | 3.03 | 71.0 | 2.80 | 108.0 | 4.25 | 115.0 | 4.53 | 0.35 | 1.73 | 0.95 | 47.1 | 27.9 | 1.69 |
| | 2.4375 | 123.825 | 4.8750 | 38.100 | 1.5000 | 36.678 | 1.4440 | 33.338 | 1.3125 | 3.6 | 0.14 | 3.2 | 0.13 | 202 | 223 | 34.8 | **554** | **552** | 28.7 | 1.13 | 77.0 | 3.03 | 71.0 | 2.80 | 109.0 | 4.29 | 116.0 | 4.57 | 0.35 | 1.73 | 0.95 | 47.1 | 27.9 | 1.69 |
| | 2.4375 | 125.000 | 4.9213 | 38.100 | 1.5000 | 36.678 | 1.4440 | 30.162 | 1.1875 | 3.6 | 0.14 | 3.2 | 0.13 | 202 | 223 | 34.8 | **554** | **553** | 28.7 | 1.13 | 77.0 | 3.03 | 71.0 | 2.80 | 109.0 | 4.29 | 116.0 | 4.57 | 0.35 | 1.73 | 0.95 | 47.1 | 27.9 | 1.69 |
| | 2.4375 | 127.000 | 5.0000 | 36.512 | 1.4375 | 36.512 | 1.4375 | 26.988 | 1.0625 | 3.6 | 0.14 | 1.6 | 0.06 | 209 | 235 | 36.2 | **HM813843** | **HM813811** | 32.9 | 1.30 | 81.0 | 3.19 | 75.0 | 2.95 | 113.0 | 4.45 | 121.0 | 4.76 | 0.50 | 1.20 | 0.66 | 48.6 | 41.7 | 1.17 |
| | 2.4375 | 139.700 | 5.5000 | 46.038 | 1.8125 | 46.038 | 1.8125 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 290 | 369 | 49.6 | **H715334** | **H715310** | 37.0 | 1.46 | 86.0 | 3.39 | 79.0 | 3.11 | 120.0 | 4.72 | 133.0 | 5.24 | 0.47 | 1.27 | 0.70 | 67.8 | 54.8 | 1.24 |
| | 2.4375 | 152.400 | 6.0000 | 47.625 | 1.8750 | 46.038 | 1.8125 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 306 | 278 | 38.3 | **9180** | **9121** | 44.5 | 1.75 | 90.0 | 3.54 | 81.0 | 3.19 | 130.0 | 5.12 | 145.0 | 5.71 | 0.66 | 0.91 | 0.50 | 71.3 | 79.9 | 0.89 |
| | 2.4375 | 158.750 | 6.2500 | 50.800 | 2.0000 | 46.038 | 1.8125 | 34.925 | 1.3750 | 3.6 | 0.14 | 3.2 | 0.13 | 306 | 278 | 38.3 | **9180** | **9120** | 47.6 | 1.87 | 90.0 | 3.54 | 81.0 | 3.19 | 134.0 | 5.28 | 145.0 | 5.71 | 0.66 | 0.91 | 0.50 | 71.3 | 79.9 | 0.89 |
| | 2.4375 | 158.750 | 6.2500 | 50.800 | 2.0000 | 46.038 | 1.8125 | 34.925 | 1.3750 | 0.8 | 0.03 | 3.2 | 0.13 | 306 | 278 | 38.3 | **9181** | **9120** | 47.6 | 1.87 | 85.0 | 3.35 | 78.0 | 3.07 | 134.0 | 5.28 | 145.0 | 5.71 | 0.66 | 0.91 | 0.50 | 71.3 | 79.9 | 0.89 |
| **62.738** | 2.4700 | 100.000 | 3.9370 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.845 | 0.7813 | 3.6 | 0.14 | 3.2 | 0.13 | 115 | 137 | 20.6 | **28995** | **28921** | 22.8 | 0.90 | 75.0 | 2.95 | 69.0 | 2.72 | 89.0 | 3.50 | 96.0 | 3.78 | 0.43 | 1.41 | 0.78 | 26.6 | 19.3 | 1.38 |
| **63.500** | 2.5000 | 107.158 | 4.2188 | 22.000 | 0.8661 | 22.000 | 0.8661 | 21.204 | 0.8348 | 2.0 | 0.08 | 2.4 | 0.09 | 115 | 118 | 18.0 | **39250** | **39422** | 20.8 | 0.82 | 73.0 | 2.87 | 69.0 | 2.72 | 97.0 | 3.82 | 102.0 | 4.02 | 0.39 | 1.55 | 0.85 | 26.4 | 17.5 | 1.51 |
| | 2.5000 | 107.950 | 4.2500 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.050 | 0.7500 | 1.6 | 0.06 | 3.2 | 0.13 | 116 | 143 | 21.6 | **29586** | **29520** | 24.7 | 0.97 | 73.0 | 2.87 | 71.0 | 2.80 | 96.0 | 3.78 | 103.0 | 4.06 | 0.46 | 1.31 | 0.72 | 26.9 | 21.1 | 1.28 |
| | 2.5000 | 110.000 | 4.3307 | 22.000 | 0.8661 | 21.996 | 0.8660 | 18.824 | 0.7411 | 1.6 | 0.06 | 1.2 | 0.05 | 109 | 116 | 17.7 | **390A** | **394A** | 21.3 | 0.84 | 73.0 | 2.87 | 70.0 | 2.76 | 101.0 | 3.98 | 104.5 | 4.11 | 0.40 | 1.49 | 0.82 | 25.0 | 17.2 | 1.46 |
| | 2.5000 | 110.000 | 4.3307 | 22.000 | 0.8661 | 21.996 | 0.8660 | 18.824 | 0.7411 | 3.6 | 0.14 | 1.2 | 0.05 | 109 | 116 | 17.7 | **395** | **394A** | 21.3 | 0.84 | 77.0 | 3.03 | 70.0 | 2.76 | 101.0 | 3.98 | 104.5 | 4.11 | 0.40 | 1.49 | 0.82 | 25.0 | 17.2 | 1.46 |
| | 2.5000 | 110.000 | 4.3307 | 22.000 | 0.8661 | 21.996 | 0.8660 | 22.000 | 0.8661 | 3.6 | 0.14 | 0.8 | 0.03 | 109 | 116 | 17.7 | **395** | **394** | 21.3 | 0.84 | 77.0 | 3.03 | 70.0 | 2.76 | 102.0 | 4.02 | 104.5 | 4.11 | 0.40 | 1.49 | 0.82 | 25.0 | 17.2 | 1.46 |
| | 2.5000 | 110.000 | 4.3307 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.050 | 0.7500 | 3.6 | 0.14 | 1.2 | 0.05 | 116 | 143 | 21.6 | **29585** | **29521** | 24.7 | 0.97 | 77.0 | 3.03 | 71.0 | 2.80 | 99.0 | 3.90 | 104.0 | 4.09 | 0.46 | 1.31 | 0.72 | 26.9 | 21.1 | 1.28 |
| | 2.5000 | 110.058 | 4.3330 | 22.000 | 0.8661 | 22.000 | 0.8661 | 17.236 | 0.6786 | 2.0 | 0.08 | 2.4 | 0.09 | 115 | 118 | 18.0 | **39250** | **39433** | 20.8 | 0.82 | 73.0 | 2.87 | 69.0 | 2.72 | 98.0 | 3.86 | 103.0 | 4.06 | 0.39 | 1.55 | 0.85 | 26.4 | 17.5 | 1.51 |

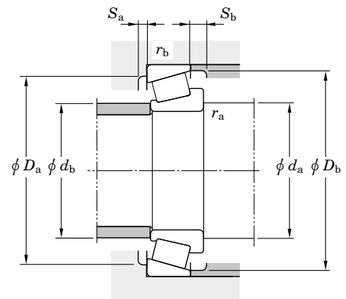
Nota 1) SP indica radio especial.

## Tipo TS

**$d$ (63.500) ~ (66.675) mm**

**(2.5000) ~ (2.6250) pulgadas**




| $P = XF_r + YF_a$<br>$P_0 = 0.5\,F_r + Y_0F_a$ or $P_0 = F_r$ | | | |
|---|---|---|---|
| $F_a / F_r \leqq e$ | | $F_a / F_r > e$ | |
| $X$ | $Y$ | $X$ | $Y$ |
| 1 | 0 | 0.4 | $Y_1$ |

Nota) Los valores de "$e$" "$Y_1$" y "$Y_0$" están dados en la tabla de abajo.

| Dimensiones Principales | | | | | | | | | | | | | | | | Capacidad de Carga Básica (kN) | | Carga Límite de Fatiga (kN) | Rodamiento No. | | Centro de carga | | Dimensiones de montaje | | | | | | | | Cons-tante | Factor de Carga Axial | | Carga de referencia (kN) (500 rpm for 3 000 Hrs.) | | Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $d$ | | $D$ | | $T$ | | $B$ | | $C$ | | $r$ (min.) | | $r_1$ (min.) | | $C_r$ | $C_{0r}$ | $C_u$ | Aro interior (Cono) | Aro exterior (Copa) | $a$ | | $d_a$ | | $d_b$ | | $D_a$ | | $D_b$ | | $e$ | $Y_1$ | $Y_0$ | Radial | Axial | $K$ |
| mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | mm | pulg. | | | | | | |
| **63.500** | 2.5000 | 112.712 | 4.4375 | 30.162 | 1.1875 | 30.048 | 1.1830 | 23.812 | 0.9375 | 3.6 | 0.14 | 0.8 | 0.03 | 139 | 164 | 25.1 | **3982** | **3925** | 25.9 | 1.02 | 77.0 | 3.03 | 71.0 | 2.80 | 101.0 | 3.98 | 106.0 | 4.17 | 0.40 | 1.49 | 0.82 | 32.4 | 22.3 | 1.46 |
| | 2.5000 | 112.712 | 4.4375 | 30.162 | 1.1875 | 30.162 | 1.1875 | 23.812 | 0.9375 | 3.6 | 0.14 | 3.2 | 0.13 | 184 | 207 | 32.1 | **39585** | **39520** | 23.3 | 0.92 | 77.0 | 3.03 | 71.0 | 2.80 | 101.0 | 3.98 | 107.0 | 4.21 | 0.34 | 1.77 | 0.97 | 42.6 | 24.7 | 1.72 |
| | 2.5000 | 120.000 | 4.7244 | 29.002 | 1.1418 | 29.007 | 1.1420 | 23.444 | 0.9230 | 0.8 | 0.03 | 3.2 | 0.13 | 148 | 161 | 25.0 | **477** | **472A** | 24.9 | 0.98 | 73.0 | 2.87 | 72.0 | 2.83 | 106.0 | 4.17 | 114.0 | 4.49 | 0.38 | 1.56 | 0.86 | 34.5 | 22.7 | 1.52 |
| | 2.5000 | 120.000 | 4.7244 | 29.002 | 1.1418 | 29.007 | 1.1420 | 23.444 | 0.9230 | 3.6 | 0.14 | 3.2 | 0.13 | 148 | 161 | 25.0 | **483** | **472A** | 24.9 | 0.98 | 78.0 | 3.07 | 72.0 | 2.83 | 106.0 | 4.17 | 114.0 | 4.49 | 0.38 | 1.56 | 0.86 | 34.5 | 22.7 | 1.52 |
| | 2.5000 | 120.000 | 4.7244 | 29.794 | 1.1730 | 29.007 | 1.1420 | 24.237 | 0.9542 | 0.8 | 0.03 | 2.0 | 0.08 | 129 | 161 | 18.8 | **477** | **472** | 25.7 | 1.01 | 73.0 | 2.87 | 72.0 | 2.83 | 108.0 | 4.25 | 113.0 | 4.45 | 0.38 | 1.56 | 0.86 | 34.5 | 22.7 | 1.52 |
| | 2.5000 | 120.000 | 4.7244 | 29.794 | 1.1730 | 30.162 | 1.1875 | 23.444 | 0.9230 | 0.8 | 0.03 | 0.8 | 0.03 | 148 | 179 | 27.4 | **33251** | **33472** | 27.4 | 1.08 | 73.0 | 2.87 | 72.0 | 2.83 | 107.0 | 4.21 | 113.0 | 4.45 | 0.44 | 1.38 | 0.76 | 34.4 | 25.6 | 1.34 |
| | 2.5000 | 122.238 | 4.8125 | 38.100 | 1.5000 | 36.678 | 1.4440 | 30.162 | 1.1875 | 3.6 | 0.14 | 3.2 | 0.13 | 202 | 223 | 34.8 | **559** | **553X** | 28.7 | 1.13 | 78.0 | 3.07 | 72.0 | 2.83 | 108.0 | 4.25 | 115.0 | 4.53 | 0.35 | 1.73 | 0.95 | 47.1 | 27.9 | 1.69 |
| | 2.5000 | 122.238 | 4.8125 | 38.354 | 1.5100 | 38.100 | 1.5000 | 29.718 | 1.1700 | 3.6 | 0.14 | 3.2 | 0.13 | 238 | 249 | 39.1 | **HM212046** | **HM212011** | 27.6 | 1.09 | 80.0 | 3.15 | 73.0 | 2.87 | 108.0 | 4.25 | 116.0 | 4.57 | 0.34 | 1.78 | 0.98 | 55.5 | 32.0 | 1.73 |
| | 2.5000 | 122.238 | 4.8125 | 38.354 | 1.5100 | 38.100 | 1.5000 | 29.718 | 1.1700 | 7.1 | 0.28 | 1.6 | 0.06 | 238 | 249 | 39.1 | **HM212047** | **HM212010** | 27.6 | 1.09 | 87.0 | 3.43 | 73.0 | 2.87 | 110.0 | 4.33 | 116.0 | 4.57 | 0.34 | 1.78 | 0.98 | 55.5 | 32.0 | 1.73 |
| | 2.5000 | 122.238 | 4.8125 | 43.658 | 1.7188 | 43.764 | 1.7230 | 36.512 | 1.4375 | 5.2 | 0.20 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5564R** | **5535** | 31.1 | 1.22 | 79.0 | 3.11 | 72.0 | 2.83 | 106.0 | 4.17 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| | 2.5000 | 122.238 | 4.8125 | 43.658 | 1.7188 | 43.764 | 1.7230 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5584R** | **5535** | 31.1 | 1.22 | 81.0 | 3.19 | 75.0 | 2.95 | 106.0 | 4.17 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| | 2.5000 | 122.238 | 4.8125 | 51.595 | 2.0313 | 51.702 | 2.0355 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5552R** | **5535** | 39.0 | 1.54 | 81.0 | 3.19 | 72.0 | 2.83 | 106.0 | 4.17 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| | 2.5000 | 123.825 | 4.8750 | 30.162 | 1.1875 | 29.007 | 1.1420 | 24.605 | 0.9687 | 0.8 | 0.03 | 3.2 | 0.13 | 148 | 161 | 25.0 | **477** | **472X** | 26.0 | 1.02 | 73.0 | 2.87 | 72.0 | 2.83 | 109.0 | 4.29 | 114.0 | 4.49 | 0.38 | 1.56 | 0.86 | 34.5 | 22.7 | 1.52 |
| | 2.5000 | 127.000 | 5.0000 | 36.512 | 1.4375 | 36.170 | 1.4240 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 196 | 226 | 35.3 | **565** | **563** | 28.6 | 1.13 | 80.0 | 3.15 | 73.0 | 2.87 | 112.0 | 4.41 | 120.0 | 4.72 | 0.36 | 1.65 | 0.91 | 45.8 | 28.5 | 1.61 |
| | 2.5000 | 127.000 | 5.0000 | 36.512 | 1.4375 | 36.170 | 1.4240 | 28.575 | 1.1250 | 6.4 | 0.25 | 3.2 | 0.13 | 196 | 226 | 35.3 | **565S** | **563** | 28.6 | 1.13 | 86.0 | 3.39 | 73.0 | 2.87 | 112.0 | 4.41 | 120.0 | 4.72 | 0.36 | 1.65 | 0.91 | 45.8 | 28.5 | 1.61 |
| | 2.5000 | 127.000 | 5.0000 | 36.512 | 1.4375 | 36.512 | 1.4375 | 26.988 | 1.0625 | 3.6 | 0.14 | 1.6 | 0.06 | 209 | 235 | 36.2 | **HM813842** | **HM813811** | 32.9 | 1.30 | 82.0 | 3.23 | 76.0 | 2.99 | 113.0 | 4.45 | 121.0 | 4.76 | 0.50 | 1.20 | 0.66 | 48.6 | 41.7 | 1.17 |
| | 2.5000 | 130.175 | 5.1250 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 246 | 267 | 41.8 | **639** | **633** | 30.3 | 1.19 | 81.0 | 3.19 | 74.0 | 2.91 | 116.0 | 4.57 | 124.0 | 4.88 | 0.36 | 1.66 | 0.91 | 57.4 | 35.5 | 1.62 |
| | 2.5000 | 135.755 | 5.3447 | 53.975 | 2.1250 | 56.007 | 2.2050 | 44.450 | 1.7500 | 4.3 | 0.17 | 3.2 | 0.13 | 333 | 357 | 49.3 | **6382** | **6320** | 34.8 | 1.37 | 84.0 | 3.31 | 77.0 | 3.03 | 117.0 | 4.61 | 126.0 | 4.96 | 0.32 | 1.85 | 1.02 | 78.4 | 43.5 | 1.80 |
| | 2.5000 | 136.525 | 5.3750 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 302 | 308 | 48.1 | **H414235** | **H414210** | 30.3 | 1.19 | 82.0 | 3.23 | 78.0 | 3.07 | 121.0 | 4.76 | 129.0 | 5.08 | 0.36 | 1.67 | 0.92 | 70.0 | 43.1 | 1.62 |
| | 2.5000 | 136.525 | 5.3750 | 46.038 | 1.8125 | 46.038 | 1.8125 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 290 | 369 | 49.6 | **H715336** | **H715311** | 37.0 | 1.46 | 87.0 | 3.43 | 80.0 | 3.15 | 118.0 | 4.65 | 132.0 | 5.20 | 0.47 | 1.27 | 0.70 | 67.8 | 54.8 | 1.24 |
| | 2.5000 | 149.225 | 5.8750 | 53.975 | 2.1250 | 54.229 | 2.1350 | 44.450 | 1.7500 | 3.6 | 0.14 | 3.2 | 0.13 | 357 | 404 | 54.4 | **6475** | **6420** | 39.3 | 1.55 | 86.0 | 3.39 | 81.0 | 3.19 | 129.0 | 5.08 | 141.0 | 5.55 | 0.36 | 1.66 | 0.91 | 83.9 | 51.9 | 1.62 |
| | 2.5000 | 150.089 | 5.9090 | 44.450 | 1.7500 | 46.672 | 1.8375 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 330 | 368 | 50.1 | **745SR** | **742** | 32.4 | 1.28 | 84.0 | 3.31 | 77.0 | 3.03 | 134.0 | 5.28 | 142.0 | 5.59 | 0.33 | 1.84 | 1.01 | 77.3 | 43.0 | 1.80 |
| **64.960** | 2.5575 | 146.050 | 5.7500 | 41.275 | 1.6250 | 41.275 | 1.6250 | 31.750 | 1.2500 | 3.6 | 0.14 | 3.2 | 0.13 | 261 | 301 | 45.3 | **656** | **653** | 33.4 | 1.31 | 86.0 | 3.39 | 79.0 | 3.11 | 131.0 | 5.16 | 139.0 | 5.47 | 0.41 | 1.47 | 0.81 | 60.9 | 42.6 | 1.43 |
| | 2.5575 | 149.225 | 5.8750 | 53.975 | 2.1250 | 54.229 | 2.1350 | 44.450 | 1.7500 | 3.6 | 0.14 | 3.2 | 0.13 | 357 | 404 | 54.4 | **6464** | **6420** | 39.3 | 1.55 | 87.0 | 3.43 | 81.0 | 3.19 | 129.0 | 5.08 | 141.0 | 5.55 | 0.36 | 1.66 | 0.91 | 83.9 | 51.9 | 1.62 |
| | 2.5575 | 150.089 | 5.9090 | 44.450 | 1.7500 | 46.672 | 1.8375 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 330 | 368 | 50.1 | **747SR** | **742** | 32.4 | 1.28 | 86.0 | 3.39 | 81.0 | 3.19 | 134.0 | 5.28 | 142.0 | 5.59 | 0.33 | 1.84 | 1.01 | 77.3 | 43.0 | 1.80 |
| **64.963** | 2.5576 | 127.000 | 5.0000 | 36.512 | 1.4375 | 36.170 | 1.4240 | 28.575 | 1.1250 | 3.6 | 0.14 | 3.2 | 0.13 | 196 | 226 | 35.3 | **569** | **563** | 28.6 | 1.13 | 81.0 | 3.19 | 74.0 | 2.91 | 112.0 | 4.41 | 120.0 | 4.72 | 0.36 | 1.65 | 0.91 | 45.8 | 28.5 | 1.61 |
| **64.986** | 2.5585 | 112.712 | 4.4375 | 30.162 | 1.1875 | 30.924 | 1.2175 | 23.812 | 0.9375 | 2.4 | 0.09 | 3.2 | 0.13 | 184 | 207 | 32.1 | **39586** | **39520** | 23.3 | 0.92 | 76.0 | 2.99 | 72.0 | 2.83 | 101.0 | 3.98 | 107.0 | 4.21 | 0.34 | 1.77 | 0.97 | 42.6 | 24.7 | 1.72 |
| **64.988** | 2.5586 | 107.950 | 4.2500 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.050 | 0.7500 | 3.6 | 0.14 | 0.8 | 0.03 | 116 | 143 | 21.6 | **29588** | **29522** | 24.7 | 0.97 | 78.0 | 3.07 | 72.0 | 2.83 | 98.0 | 3.86 | 103.0 | 4.06 | 0.46 | 1.31 | 0.72 | 26.9 | 21.1 | 1.28 |
| **65.000** | 2.5591 | 110.000 | 4.3307 | 22.000 | 0.8661 | 21.996 | 0.8660 | 18.824 | 0.7411 | 2.0 | 0.08 | 1.2 | 0.05 | 109 | 116 | 17.7 | **399** | **394A** | 21.3 | 0.84 | 76.0 | 2.99 | 73.0 | 2.87 | 101.0 | 3.98 | 104.5 | 4.11 | 0.40 | 1.49 | 0.82 | 25.0 | 17.2 | 1.46 |
| | 2.5591 | 120.000 | 4.7244 | 29.002 | 1.1418 | 29.007 | 1.1420 | 23.444 | 0.9230 | 2.4 | 0.09 | 3.2 | 0.13 | 148 | 161 | 25.0 | **478** | **472A** | 24.9 | 0.98 | 77.0 | 3.03 | 73.0 | 2.87 | 106.0 | 4.17 | 114.0 | 4.49 | 0.38 | 1.56 | 0.86 | 34.5 | 22.7 | 1.52 |
| **65.088** | 2.5625 | 122.238 | 4.8125 | 51.595 | 2.0313 | 51.702 | 2.0355 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5554R** | **5535** | 39.0 | 1.54 | 83.0 | 3.27 | 72.0 | 2.83 | 106.0 | 4.17 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| | 2.5625 | 135.755 | 5.3447 | 53.975 | 2.1250 | 56.007 | 2.2050 | 44.450 | 1.7500 | 3.6 | 0.14 | 3.2 | 0.13 | 333 | 357 | 49.3 | **6379** | **6320** | 34.8 | 1.37 | 84.0 | 3.31 | 77.5 | 3.05 | 117.0 | 4.61 | 126.0 | 4.96 | 0.32 | 1.85 | 1.02 | 78.4 | 43.5 | 1.80 |
| | 2.5625 | 136.525 | 5.3750 | 46.038 | 1.8125 | 46.038 | 1.8125 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 290 | 369 | 49.6 | **H715340** | **H715311** | 37.0 | 1.46 | 88.0 | 3.46 | 82.0 | 3.23 | 118.0 | 4.65 | 132.0 | 5.20 | 0.47 | 1.27 | 0.70 | 67.8 | 54.8 | 1.24 |
| **65.883** | 2.5938 | 122.238 | 4.8125 | 43.658 | 1.7188 | 43.764 | 1.7230 | 36.512 | 1.4375 | 3.6 | 0.14 | 3.2 | 0.13 | 276 | 318 | 43.6 | **5595R** | **5535** | 31.1 | 1.22 | 83.0 | 3.27 | 77.0 | 3.03 | 106.0 | 4.17 | 116.0 | 4.57 | 0.36 | 1.67 | 0.92 | 64.5 | 39.5 | 1.63 |
| **66.675** | 2.6250 | 107.950 | 4.2500 | 25.400 | 1.0000 | 25.400 | 1.0000 | 19.050 | 0.7500 | 3.6 | 0.14 | 0.8 | 0.03 | 116 | 143 | 21.6 | **29590** | **29522** | 24.7 | 0.97 | 80.0 | 3.15 | 73.0 | 2.87 | 98.0 | 3.86 | 103.0 | 4.06 | 0.46 | 1.31 | 0.72 | 26.9 | 21.1 | 1.28 |
| | 2.6250 | 110.000 | 4.3307 | 22.000 | 0.8661 | 21.996 | 0.8660 | 18.824 | 0.7411 | 0.8 | 0.03 | 1.2 | 0.05 | 109 | 116 | 17.7 | **395A** | **394A** | 21.3 | 0.84 | 73.0 | 2.87 | 73.0 | 2.87 | 101.0 | 3.98 | 104.5 | 4.11 | 0.40 | 1.49 | 0.82 | 25.0 | 17.2 | 1.46 |
| | 2.6250 | 110.000 | 4.3307 | 22.000 | 0.8661 | 21.996 | 0.8660 | 18.824 | 0.7411 | 3.6 | 0.14 | 1.2 | 0.05 | 109 | 116 | 17.7 | **395S** | **394A** | 21.3 | 0.84 | 79.0 | 3.11 | 73.0 | 2.87 | 101.0 | 3.98 | 104.5 | 4.11 | 0.40 | 1.49 | 0.82 | 25.0 | 17.2 | 1.46 |

Nota 1) SP indica radio especial.