

# KOYO

## KEGELLAGERS



# Kegellagers

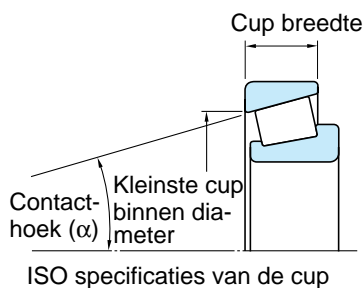
De cup, cone en rollen van kegellagers hebben een conisch oppervlak, waarvan de kegelvlakken convergeren naar één punt op de hartlijn van het lager.

Kegellagers zijn in metrische series en in inch maten beschikbaar.

Dit type lager is geschikt voor toepassingen met hoge belasting of stootbelasting.

## ■ Kegellagers

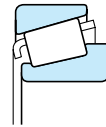
- Kunnen gecombineerde (axiale en radiale) belasting in één richting opnemen.  
Omdat bij radiale belasting van dit type lager in het lager een axiale kracht wordt opgewekt, worden twee lagers in "X-opstelling" of twee of meer gepaarde lagers gebruikt.
- Er zijn standaard-, middel- en zeer conische typen, die worden onderscheiden door de contacthoek. Middel-conische, metrische series worden aangeduid door de aanvullende code "C", die als achtervoegsel achter het lagernummer wordt vermeld.
- Lagers waarvan de breedte, de kleinste binnendiameter en de contacthoek van de cup zijn ontworpen volgens de ISO 355 specificaties, worden aangeduid door de aanvullende code "J" als achtervoegsel.  
De cones en de cups van deze lagers zijn uitwisselbaar met die van andere merken, als de nummers van deze lagers gelijk zijn.



Note : Wanneer de aanvullende code "J" als voorvoegsel (niet als achtervoegsel) wordt vermeld (bijvoorbeeld JHM720249/JHM720210), zijn deze lagers niet ontworpen volgens ISO 355.

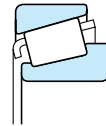
Deze lagers zijn geproduceerd volgens speciale toleranties.

## Kegellagers



Metrische series

Boring diameter **15 – 200 mm**



Inch series

(inclusief J series metrische lagers)

Boring diameter **15.875 – 200.000 mm**

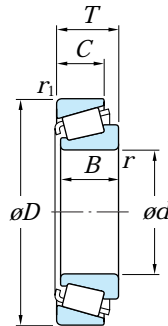
# Kegellagers

<p>Afmetingen</p>	<p>Metrische één-rijige kegellagers : volgens JIS B 1512</p> <p><b>Referentie</b> JIS B 1512 specificeert nieuwe series afmetingen, gebaseerd op zowel ISO 355, als op de converntionele "3XX" afmetingen serie. Deze nieuwe afmetingen series zijn als volgt :</p> <p><b>Nieuwe afmetingen serie</b></p> <p><b>(1) Hoek series</b></p> <table border="1" data-bbox="496 539 930 792"> <thead> <tr> <th rowspan="2">Hoek series</th> <th colspan="2">Contacthoek <math>\alpha</math></th> </tr> <tr> <th>boven</th> <th>tot</th> </tr> </thead> <tbody> <tr><td>2</td><td>10°</td><td>13°52'</td></tr> <tr><td>3</td><td>13°52'</td><td>15°59'</td></tr> <tr><td>4</td><td>15°59'</td><td>18°55'</td></tr> <tr><td>5</td><td>18°55'</td><td>23°</td></tr> <tr><td>6</td><td>23°</td><td>27°</td></tr> <tr><td>7</td><td>27°</td><td>30°</td></tr> </tbody> </table> <p><b>(2) Diameter series</b></p> <table border="1" data-bbox="496 869 930 1122"> <thead> <tr> <th rowspan="2">Diameter series</th> <th colspan="2"><math>D/d</math> (<math>d^{h.77}</math>)</th> </tr> <tr> <th>over</th> <th>up to</th> </tr> </thead> <tbody> <tr><td>B</td><td>3.40</td><td>3.80</td></tr> <tr><td>C</td><td>3.80</td><td>4.40</td></tr> <tr><td>D</td><td>4.40</td><td>4.70</td></tr> <tr><td>E</td><td>4.70</td><td>5.00</td></tr> <tr><td>F</td><td>5.00</td><td>5.60</td></tr> <tr><td>G</td><td>5.60</td><td>7.00</td></tr> </tbody> </table> <p><b>(3) Breedte series</b></p> <table border="1" data-bbox="997 539 1431 741"> <thead> <tr> <th rowspan="2">Breedte series</th> <th colspan="2"><math>T \{(D-d)^{0.95}\}</math></th> </tr> <tr> <th>boven</th> <th>tot</th> </tr> </thead> <tbody> <tr><td>B</td><td>0.50</td><td>0.68</td></tr> <tr><td>C</td><td>0.68</td><td>0.80</td></tr> <tr><td>D</td><td>0.80</td><td>0.88</td></tr> <tr><td>E</td><td>0.88</td><td>1.00</td></tr> </tbody> </table> <p>Opmeringen :</p> <ol style="list-style-type: none"> <li>1. Combineer de symbolen van deze series in de aangegeven volgorde (1,2,3) om de serienummers van de afmetingen te maken (bijv. 2BC)</li> <li>2. De lagernummers bestaan uit een serie-nummer van de afmetingen, gevolgd door de diameter van de boring. (bijv. 2BC080 : diameter van de boring 80 mm)</li> </ol>	Hoek series	Contacthoek $\alpha$		boven	tot	2	10°	13°52'	3	13°52'	15°59'	4	15°59'	18°55'	5	18°55'	23°	6	23°	27°	7	27°	30°	Diameter series	$D/d$ ( $d^{h.77}$ )		over	up to	B	3.40	3.80	C	3.80	4.40	D	4.40	4.70	E	4.70	5.00	F	5.00	5.60	G	5.60	7.00	Breedte series	$T \{(D-d)^{0.95}\}$		boven	tot	B	0.50	0.68	C	0.68	0.80	D	0.80	0.88	E	0.88	1.00
Hoek series	Contacthoek $\alpha$																																																															
	boven	tot																																																														
2	10°	13°52'																																																														
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<p>Toleranties</p>	<ul style="list-style-type: none"> <li>• Metrische series één-rijige kegellagers volgens JIS B 1514.</li> <li>• Inch series kegellagers volgens ABMA Section 19.</li> <li>• Van J series metrische kegellagers is de tolerantie apart gespecificeerd.</li> </ul>																																																															
<p>Standaard kooi</p>	<p>Geperste plaatstalen kooi (geen achtervoegsel). Sommige grote keglagers hebben in plaats hiervan een stalen pennenkooi (FP)</p>																																																															
<p>Toegestane scheefstelling</p>	<p>Eén-rijige kegellagers : 0.0009 rad (3') (Als de scheefstelling groter is dan deze hoek, kan Koyo hiervoor een speciaal lager ontwerpen).</p>																																																															

<b>Equivalente radiale belasting</b>	<b>■ Eén-rijige kegellagers</b>	
	Dynamische equivalente radiale belasting	$\text{wanneer } \frac{F_a}{F_r} \leq e \quad P_r = F_r$ $\text{wanneer } \frac{F_a}{F_r} > e \quad P_r = 0.4F_r + Y_1 F_a$
	Statische equivalente radiale belasting	$P_{0r} = 0.5F_r + Y_0 F_a$ wanneer $P_{0r} < F_r, P_{0r} = F_r$
	<b>■ Twee-rijige of vier-rijige kegellagers</b>	
	Dynamische equivalente radiale belasting	$\text{wanneer } \frac{F_a}{F_r} \leq e \quad P_r = F_r + Y_2 F_a$ $\text{wanneer } \frac{F_a}{F_r} > e \quad P_r = 0.67F_r + Y_3 F_a$
	Statische equivalente radiale belasting	$P_{0r} = F_r + Y_0 F_a$

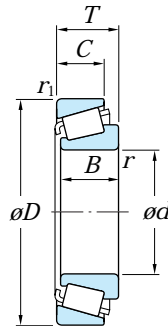
- Opmerkingen : 1. Wanneer twee één-rijige kegellagers in X-opstelling worden toegepast, ontstaat onder radiale belasting in het lager een axiale krachtscomponent.
2. Bij te geringe belasting kan er een glijdende beweging tussen de rollen en de loopbanen optreden, hetgeen tot beschadiging kan leiden.  
 Dit gebeurt ook bij gepaarde lagers, wanneer de verhouding axiale belasting t.o.v. radiale belasting de waarde  $e$  in de specificatie tabel ( $F_a / F_r > e$ ) overschrijdt.  
 Raadpleeg Koyo voor gebruik van lagers onder deze omstandigheden.

**Kegellagers**  
**metrische series**  
**d 15 - 30 mm**



d	Afmetingen (mm)						Draggetallen (kN)		Max. toerentallen (min <sup>-1</sup> )		Lagernr.	(Refer.) Afmetingen series volgens ISO355	(Refer.) Gewicht (kg)
	D	T	B	C	r min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smering met vet	Smering met olie			
15	35	11.75	11	10	0.6	0.6	15.8	14.5	12 000	16 000	30202R	–	0.054
	42	14.25	13	11	1	1	21.9	19.2	10 000	14 000	30302JR	2FB	0.098
17	40	13.25	12	11	1	1	20.8	20.7	10 000	14 000	30203JR	2DB	0.081
	40	17.25	16	14	1	1	27.4	27.5	10 000	14 000	32203JR	2DD	0.104
	47	15.25	14	12	1	1	27.4	24.5	9 200	12 000	30303R	–	0.127
	47	20.25	19	16	1	1	31.9	29.9	9 400	13 000	32303	–	0.170
20	42	15	15	12	0.6	0.6	27.3	31.5	9 700	13 000	32004JR	3CC	0.102
	47	15.25	14	12	1	1	25.8	25.5	9 000	12 000	57008R	–	0.125
	47	15.25	14	12	1	1	27.0	27.2	8 700	12 000	30204JR	2DB	0.127
	47	19.25	18	15	1	1	33.1	34.7	8 900	12 000	32204JR	2DD	0.159
	52	16.25	16	13	1.5	1.5	36.2	35.1	8 300	11 000	30304AJR	–	0.179
	52	22.25	21	18	1.5	1.5	45.1	46.7	8 400	11 000	32304JR	2FD	0.244
22	44	15	15	11.5	0.6	0.6	28.3	33.6	9 100	12 000	320/22JR	3CC	0.108
25	47	15	15	11.5	0.6	0.6	30.2	37.7	8 300	11 000	32005JR	4CC	0.118
	47	17	17	14	0.6	0.6	33.5	42.3	8 300	11 000	33005JR	2CE	0.131
	52	16.25	15	13	1	1	31.5	33.7	7 800	10 000	30205JR	3CC	0.156
	52	19.25	18	16	1	1	39.8	44.8	7 900	11 000	32205JR	2CD	0.188
	52	22	22	18	1	1	48.9	58.5	7 900	10 000	33205JR	2DE	0.225
	62	18.25	17	13	1.5	1.5	39.8	42.5	5 700	8 000	30305DJR	7FB	0.269
	62	18.25	17	14	1.5	1.5	45.0	45.8	6 700	9 000	TR0506R	–	0.275
	62	18.25	17	15	1.5	1.5	48.2	46.9	6 800	9 000	30305JR	2FB	0.273
	62	25.25	24	20	1.5	1.5	61.2	64.1	6 900	9 100	32305JR	2FD	0.386
28	52	16	16	12	1	1	35.2	44.0	7 500	10 000	320/28JR	4CC	0.150
30	55	17	17	13	1	1	38.2	48.0	7 000	9 400	32006JR	4CC	0.177
	55	20	20	16	1	1	43.2	55.2	7 000	9 400	33006JR	2CE	0.203
	62	17.25	16	14	1	1	41.5	44.8	6 500	8 700	30206JR	3DB	0.236
	62	21.25	20	17	1	1	50.7	57.9	6 500	8 700	32206JR	3DC	0.292
	62	25	25	19.5	1	1	66.4	79.4	6 500	8 700	33206JR	2DE	0.359
	72	20.75	19	14	1.5	1.5	50.9	54.9	4 900	6 800	30306DJR	7FB	0.400
	72	20.75	19	16	1.5	1.5	56.5	55.2	5 900	7 900	TRA0607R	–	0.405
	72	20.75	19	16	1.5	1.5	59.6	60.1	5 800	7 700	30306JR	2FB	0.411
	72	28.75	27	23	1.5	1.5	82.2	91.6	5 900	7 900	32306JR	2FD	0.588

**Kegellagers**  
**metrische series**  
**d 32 - 45 mm**

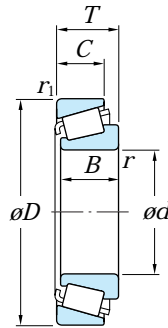


d	Afmetingen (mm)						Draggetallen (kN)		Max. toerentallen (min <sup>-1</sup> )		Lagernr.	(Refer.) Afmetingen series volgens ISO355	(Refer.) Gewicht (kg)	
	D	T	B	C	r min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smering met vet / olie					
32	58	17	17	13	1	1	39.2	50.6	6 700	8 900	320/32JR	4CC	0.196	
	65	22.25	21	18	1	1	51.6	57.7	6 200	8 200	322/32	-	0.330	
	75	29.75	28	23	1.5	1.5	75.1	87.1	5 600	7 400	TR0608A	5FD	0.649	
35	62	18	18	14	1	1	45.5	59.4	6 200	8 200	32007JR	4CC	0.231	
	62	21	21	17	1	1	51.3	68.0	6 200	8 200	33007JR	2CE	0.263	
	72	18.25	17	15	1.5	1.5	55.1	60.9	5 600	7 400	30207JR	3DB	0.344	
	72	24.25	23	19	1.5	1.5	69.6	82.4	5 600	7 500	32207JR	3DC	0.453	
	72	28	28	22	1.5	1.5	87.6	107	5 700	7 500	33207JR	2DE	0.551	
	80	22.75	21	15	2	1.5	63.1	69.1	4 300	6 000	30307DJR	7FB	0.536	
	80	22.75	21	18	2	1.5	76.2	78.9	5 200	6 900	30307JR-1	2FB	0.527	
	80	32.75	31	25	2	1.5	96.9	123	5 200	7 000	TR0708-1R	-	0.830	
	80	32.75	31	25	2	1.5	101	114	5 300	7 000	32307JR	2FE	0.776	
	40	68	19	19	14.5	1	1	53.5	71.4	5 600	7 400	32008JR	3CD	0.282
68		22	22	18	1	1	60.4	84.6	5 500	7 400	33008JR	2BE	0.326	
75		26	26	20.5	1.5	1.5	82.2	108	5 200	6 900	33108JR	2CE	0.508	
80		19.75	18	16	1.5	1.5	62.9	69.2	5 000	6 700	30208JR	3DB	0.434	
80		24.75	23	19	1.5	1.5	77.7	90.8	5 000	6 600	32208JR	3DC	0.554	
80		32	32	25	1.5	1.5	108	139	5 000	6 700	33208JR	2DE	0.758	
90		25.25	23	17	2	1.5	80.5	90.2	3 800	5 300	30308DJR	7FB	0.757	
90		25.25	23	20	2	1.5	90.6	101	4 500	6 100	30308JR	2FB	0.757	
90		35.25	33	26	2	1.5	112	138	4 700	6 200	TR0809AR	-	1.10	
90		35.25	33	27	2	1.5	116	139	4 600	6 200	32308JR	2FD	1.06	
45		75	20	20	15.5	1	1	62.8	86.5	5 000	6 600	32009JR	3CC	0.354
		75	24	24	19	1	1	69.6	101	5 000	6 700	33009JR	2CE	0.416
		80	26	26	20.5	1.5	1.5	87.5	120	4 800	6 400	33109JR	3CE	0.563
	85	20.75	19	16	1.5	1.5	67.2	77.4	4 600	6 100	30209JR	3DB	0.502	
	85	24.75	23	19	1.5	1.5	84.2	104	4 600	6 100	32209JR-1	3DC	0.597	
	85	32	32	25	1.5	1.5	112	149	4 600	6 200	33209JR	3DE	0.818	
	100	27.25	25	18	2	1.5	95.1	107	3 400	4 700	30309DJR	7FB	0.973	
	100	27.25	25	22	2	1.5	113	128	4 100	5 400	30309JR	2FB	1.01	
	100	38.25	36	30	2	1.5	146	180	4 100	5 500	32309JR	2FD	1.43	

# Kegellagers

## metrische series

### $d$ 50 - 65 mm

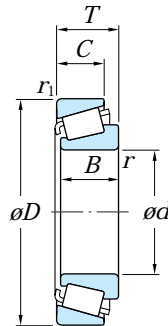


$d$	Afmetingen (mm)						Draggetallen (kN)		Max. toerentallen (min <sup>-1</sup> )		Lagernr.	(Refer.) Afmetingen series volgens ISO355	(Refer.) Gewicht (kg)
	$D$	$T$	$B$	$C$	$r$ min.	$r_1$ min.	$C_r$	$C_{Or}$	Smering met vet / olie				
50	72	15	15	12	0.6	0.6	35.9	56.3	4 900	6 600	<b>32910JR</b>	2BC	0.195
	80	20	20	15.5	1	1	65.7	94.5	4 600	6 100	<b>32010JR</b>	3CC	0.389
	80	24	24	19	1	1	73.0	110	4 600	6 100	<b>33010JR</b>	2CE	0.451
	85	26	26	20	1.5	1.5	89.4	127	4 400	5 900	<b>33110JR</b>	3CE	0.594
	90	21.75	20	17	1.5	1.5	76.5	91.7	4 300	5 700	<b>30210JR</b>	3DB	0.566
	90	24.75	23	19	1.5	1.5	85.0	105	4 300	5 700	<b>32210JR</b>	3DC	0.643
	90	32	32	24.5	1.5	1.5	119	167	4 300	5 700	<b>33210JR</b>	3DE	0.887
	110	29.25	27	19	2.5	2	115	133	3 100	4 300	<b>30310DJR</b>	7FB	1.25
	110	29.25	27	23	2.5	2	137	152	3 700	4 900	<b>30310JR</b>	2FB	1.32
	110	42.25	40	33	2.5	2	176	220	3 700	5 000	<b>32310JR</b>	2FD	1.89
55	80	17	17	14	1	1	44.6	73.3	4 400	5 900	<b>32911JR</b>	2BC	0.285
	90	23	23	17.5	1.5	1.5	84.6	121	4 100	5 500	<b>32011JR</b>	3CC	0.569
	90	27	27	21	1.5	1.5	96.5	149	4 100	5 400	<b>33011JR</b>	2CE	0.672
	95	30	30	23	1.5	1.5	116	161	4 000	5 300	<b>33111JR</b>	3CE	0.868
	100	22.75	21	18	2	1.5	94.6	113	3 900	5 200	<b>30211JR</b>	3DB	0.732
	100	26.75	25	21	2	1.5	107	133	3 900	5 200	<b>32211JR-1</b>	3DC	0.863
	100	35	35	27	2	1.5	142	189	3 900	5 200	<b>33211JR</b>	3DE	1.18
120	31.5	29	21	2.5	2	129	148	2 900	4 000	<b>30311DJR</b>	7FB	1.59	
55	120	31.5	29	25	2.5	2	149	170	3 300	4 500	<b>30311JR</b>	2FB	1.65
	120	45.5	43	35	2.5	2	200	250	3 400	4 500	<b>32311JR</b>	2FD	2.38
60	85	17	17	14	1	1	46.2	78.2	4 100	5 500	<b>32912JR</b>	2BC	0.306
	95	23	23	17.5	1.5	1.5	86.1	127	3 900	5 200	<b>32012JR</b>	4CC	0.621
	95	27	27	21	1.5	1.5	101	162	3 900	5 200	<b>33012JR</b>	2CE	0.719
	100	30	30	23	1.5	1.5	118	170	3 700	5 000	<b>33112JR</b>	3CE	0.923
	110	23.75	22	19	2	1.5	106	127	3 500	4 700	<b>30212JR</b>	3EB	0.945
	110	29.75	28	24	2	1.5	132	167	3 500	4 700	<b>32212JR</b>	3EC	1.19
	110	38	38	29	2	1.5	174	239	3 600	4 700	<b>33212JR</b>	3EE	1.57
	130	33.5	31	22	3	2.5	153	179	2 600	3 700	<b>30312DJR</b>	7FB	2.01
	130	33.5	31	26	3	2.5	173	201	3 100	4 100	<b>30312JR</b>	2FB	2.08
	130	48.5	46	37	3	2.5	244	315	3 100	4 200	<b>32312JR</b>	2FD	2.99
65	90	17	17	14	1	1	47.4	83.1	3 900	5 200	<b>32913JR</b>	2BC	0.327
	100	23	23	17.5	1.5	1.5	90.0	137	3 600	4 800	<b>32013JR</b>	4CC	0.664
	100	27	27	21	1.5	1.5	103	169	3 600	4 800	<b>33013JR</b>	2CE	0.762

# Kegellagers

## metrische series

### *d* 65 - 80 mm



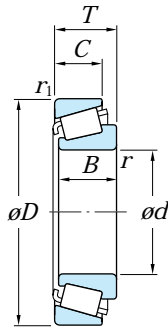
<i>d</i>	Afmetingen (mm)						Draggetallen (kN)		Max. toerentallen (min <sup>-1</sup> )		Lagernr.	(Refer.) Afmetingen series volgens ISO355	(Refer.) Gewicht (kg)	
	<i>D</i>	<i>T</i>	<i>B</i>	<i>C</i>	<i>r</i> min.	<i>r</i> <sub>1</sub> min.	<i>C</i> <sub>r</sub>	<i>C</i> <sub>0r</sub>	Smering met vet	Smering met olie				
65	110	34	34	26.5	1.5	1.5	152	223	3 400	4 600	33113JR	3DE	1.33	
	120	24.75	23	20	2	1.5	128	156	3 200	4 300	30213JR	3EB	1.18	
	120	32.75	31	27	2	1.5	157	203	3 200	4 300	32213JR	3EC	1.58	
	120	41	41	32	2	1.5	200	277	3 200	4 300	33213JR	3EE	2.02	
	140	36	33	23	3	2.5	176	209	2 400	3 400	30313DJR	7GB	2.44	
	140	36	33	28	3	2.5	204	239	2 800	3 800	30313JR	2GB	2.56	
	140	51	48	39	3	2.5	276	357	2 900	3 900	32313JR	2GD	3.64	
	70	100	20	20	16	1	1	71.0	115	3 500	4 700	32914JR	2BC	0.496
		110	25	25	19	1.5	1.5	108	163	3 300	4 400	32014JR	4CC	0.884
		110	31	31	25.5	1.5	1.5	134	208	3 300	4 400	33014JR	2CE	1.09
120		37	37	29	2	1.5	181	266	3 100	4 200	33114JR	3DE	1.71	
125		26.25	24	21	2	1.5	138	173	3 100	4 100	30214JR	3EB	1.32	
125		33.25	31	27	2	1.5	169	225	3 100	4 100	32214JR	3EC	1.71	
125		41	41	32	2	1.5	206	294	3 100	4 100	33214JR	3EE	2.16	
150		38	35	25	3	2.5	197	235	2 300	3 200	30314DJR	7GB	2.97	
150		38	35	30	3	2.5	230	273	2 600	3 500	30314JR	2GB	3.08	
150		54	51	42	3	2.5	317	414	2 700	3 600	32314JR	2GD	4.50	
75	105	20	20	16	1	1	73.6	123	3 300	4 400	32915JR	2BC	0.526	
	115	25	25	19	1.5	1.5	110	169	3 100	4 200	32015JR	4CC	0.930	
	115	31	31	25.5	1.5	1.5	141	225	3 200	4 200	33015JR	2CE	1.16	
	125	37	37	29	2	1.5	186	280	3 000	4 000	33115JR	3DE	1.84	
	130	27.25	25	22	2	1.5	142	181	2 900	3 900	30215JR	4DB	1.42	
	130	33.25	31	27	2	1.5	174	234	2 900	3 900	32215JR	4DC	1.77	
	130	41	41	31	2	1.5	212	310	2 900	3 900	33215JR	3EE	2.26	
	160	40	37	26	3	2.5	222	266	2 100	2 900	30315DR	—	3.48	
	160	40	37	31	3	2.5	260	311	2 500	3 300	30315JR	2GB	3.65	
	160	58	55	45	3	2.5	363	481	2 500	3 300	32315JR	2GD	5.41	
80	110	20	20	16	1	1	76.1	131	3 100	4 200	32916JR	2BC	0.556	
	125	29	29	22	1.5	1.5	147	225	2 900	3 900	32016JR	3CC	1.32	
	125	36	36	29.5	1.5	1.5	173	288	2 900	3 900	33016JR	2CE	1.63	
	130	37	37	29	2	1.5	191	294	2 800	3 800	33116JR	3DE	1.93	
	140	28.25	26	22	2.5	2	161	202	2 700	3 600	30216JR	3EB	1.72	
	140	35.25	33	28	2.5	2	203	271	2 700	3 600	32216JR	3EC	2.17	



# Kegellagers

## metrische series

### $d$ 80 - 95 mm

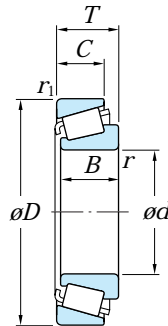


$d$	Afmetingen (mm)						Draggetallen (kN)		Max. toerentallen (min <sup>-1</sup> )		Lagernr.	(Refer.) Afmetingen series volgens ISO355	(Refer.) Gewicht (kg)
	$D$	$T$	$B$	$C$	$r$ min.	$r_1$ min.	$C_r$	$C_{or}$	Smering met vet olie				
<b>80</b>	140	46	46	35	2.5	2	250	371	2 700	3 600	<b>33216JR</b>	3EE	2.99
	170	42.5	39	27	3	2.5	236	282	2 000	2 800	<b>30316DJR</b>	7GB	4.12
	170	42.5	39	33	3	2.5	294	355	2 300	3 100	<b>30316JR</b>	2GB	4.46
	170	61.5	58	48	3	2.5	383	503	2 300	3 100	<b>32316JR</b>	2GD	6.31
<b>85</b>	120	23	23	18	1.5	1.5	97.1	165	2 900	3 900	<b>32917JR</b>	2BC	0.794
	130	29	29	22	1.5	1.5	150	234	2 800	3 700	<b>32017JR</b>	4CC	1.38
	130	36	36	29.5	1.5	1.5	177	300	2 800	3 700	<b>33017JR</b>	2CE	1.72
	140	41	41	32	2.5	2	224	346	2 600	3 500	<b>33117JR</b>	3DE	2.43
	150	30.5	28	24	2.5	2	182	231	2 500	3 400	<b>30217JR</b>	3EB	2.17
	150	38.5	36	30	2.5	2	232	315	2 500	3 400	<b>32217JR</b>	3EC	2.80
	150	49	49	37	2.5	2	294	439	2 500	3 400	<b>33217JR</b>	3EE	3.63
	180	44.5	41	28	4	3	263	317	1 900	2 600	<b>30317DJR</b>	7GB	4.81
	180	44.5	41	34	4	3	316	384	2 200	2 900	<b>30317JR</b>	2GB	5.15
	180	63.5	60	49	4	3	439	587	2 200	3 000	<b>32317JR</b>	2GD	7.42
<b>90</b>	125	23	23	18	1.5	1.5	101	175	2 800	3 700	<b>32918JR</b>	2BC	0.834
	140	32	32	24	2	1.5	178	276	2 600	3 500	<b>32018JR</b>	3CC	1.80
	140	39	39	32.5	2	1.5	221	367	2 600	3 400	<b>33018JR</b>	2CE	2.22
	150	45	45	35	2.5	2	258	413	2 500	3 300	<b>33118JR</b>	3DE	3.13
	160	32.5	30	26	2.5	2	204	261	2 400	3 200	<b>30218JR</b>	3FB	2.65
	160	42.5	40	34	2.5	2	263	362	2 400	3 200	<b>32218JR</b>	3FC	3.47
	190	46.5	43	30	4	3	282	336	1 700	2 400	<b>30318DR</b>	–	5.60
	190	46.5	43	36	4	3	345	420	2 100	2 700	<b>30318JR</b>	2GB	6.04
	190	67.5	64	53	4	3	461	614	2 100	2 800	<b>32318JR</b>	2GD	8.61
<b>95</b>	145	32	32	24	2	1.5	182	287	2 500	3 300	<b>32019JR</b>	4CC	1.88
	145	39	39	32.5	2	1.5	226	382	2 500	3 300	<b>33019JR</b>	2CE	2.31
	160	49	49	38	2.5	2	304	473	2 300	3 100	<b>33119JR</b>	3EE	3.89
	170	34.5	32	27	3	2.5	231	299	2 200	3 000	<b>30219JR</b>	3FB	3.20
	170	45.5	43	37	3	2.5	311	439	2 200	3 000	<b>32219JR</b>	3FC	4.34
	170	58	58	44	3	2.5	374	582	2 200	2 900	<b>33219JR</b>	3FE	5.66
	200	49.5	45	32	4	3	319	391	1 700	2 300	<b>30319DJR</b>	7GB	6.68
	200	49.5	45	38	4	3	372	455	2 000	2 600	<b>30319JR</b>	2GB	6.96
	200	71.5	67	55	4	3	517	695	2 000	2 600	<b>32319JR</b>	2GD	10.1

# Kegellagers

## metrische series

**d 100 - 120 mm**

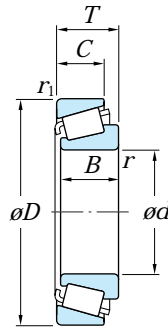


d	Afmetingen (mm)						Draggetallen (kN)		Max. toerentallen (min <sup>-1</sup> )		Lagernr.	(Refer.) Afmetingen series volgens ISO355	(Refer.) Gewicht (kg)	
	D	T	B	C	r min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smering met vet / olie					
100	140	25	25	20	1.5	1.5	126	217	2 400	3 300	32920JR	2CC	1.19	
	150	32	32	24	2	1.5	185	298	2 400	3 200	32020JR	4CC	1.95	
	150	39	39	32.5	2	1.5	231	397	2 400	3 200	33020JR	2CE	2.40	
	165	52	52	40	2.5	2	325	523	2 200	3 000	33120JR	3EE	4.29	
	180	37	34	29	3	2.5	258	338	2 100	2 800	30220JR	3FB	3.83	
	180	49	46	39	3	2.5	347	495	2 100	2 800	32220JR	3FC	5.21	
	180	63	63	48	3	2.5	431	680	2 100	2 800	33220JR	3FE	6.92	
	215	51.5	47	34	4	3	318	374	1 500	2 100	30320D	–	8.02	
	215	51.5	47	39	4	3	344	400	1 800	2 400	30320	–	7.76	
	215	51.5	47	39	4	3	422	521	1 800	2 400	30320JR	2GB	8.49	
	215	56.5	51	35	4	3	373	459	1 500	2 200	31320JR	7GB	8.72	
	215	77.5	73	60	4	3	579	783	1 800	2 400	32320JR	2GD	13.0	
	105	145	25	25	20	1.5	1.5	128	224	2 400	3 100	32921JR	2CC	1.23
		160	35	35	26	2.5	2	215	344	2 200	3 000	32021JR	4DC	2.45
160		43	43	34	2.5	2	267	461	2 200	3 000	33021JR	2DE	3.08	
175		56	56	44	2.5	2	360	607	2 100	2 800	33121JR	3EE	5.33	
190		39	36	30	3	2.5	288	380	2 000	2 600	30221JR	3FB	4.49	
190		53	50	43	3	2.5	392	567	2 000	2 700	32221JR	3FC	6.37	
190		68	68	52	3	2.5	497	790	2 000	2 600	33221JR	3FE	8.43	
225		53.5	49	41	4	3	464	578	1 700	2 300	30321JR	2GB	9.73	
225		58	53	36	4	3	397	489	1 500	2 100	31321JR	7GB	9.72	
225		81.5	77	63	4	3	635	866	1 800	2 300	32321JR	2GD	14.9	
110		170	38	38	29	2.5	2	248	395	2 100	2 800	32022JR	4DC	3.12
		170	47	47	37	2.5	2	287	502	2 100	2 800	33022JR	2DE	3.81
	180	56	56	43	2.5	2	369	634	2 000	2 700	33122JR	3EE	5.52	
	200	41	38	32	3	2.5	324	434	1 900	2 500	30222JR	3FB	5.33	
	200	56	53	46	3	2.5	438	640	1 900	2 500	32222JR	3FC	7.45	
	240	54.5	50	42	4	3	481	590	1 600	2 100	30322JR	2GB	11.4	
	240	63	57	38	4	3	452	563	1 400	1 900	31322JR	7GB	12.2	
	240	84.5	80	65	4	3	691	943	1 600	2 200	32322JR	2GD	17.8	
	120	165	29	29	23	1.5	1.5	172	298	2 100	2 700	32924JR	2CC	1.77
		180	38	38	29	2.5	2	258	427	2 000	2 600	32024JR	4DC	3.34
180		48	48	38	2.5	2	299	540	2 000	2 600	33024JR	2DE	4.16	

# Kegellagers

## metrische series

**d 120 - 160 mm**

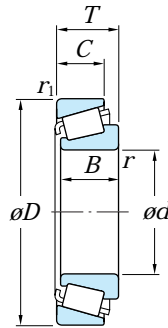


d	Afmetingen (mm)						Draggetallen (kN)		Max. toerentallen (min <sup>-1</sup> )		Lagernr.	(Refer.) Afmetingen series volgens ISO355	(Refer.) Gewicht (kg)
	D	T	B	C	r min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smering met vet olie				
120	200	62	62	48	2.5	2	462	785	1 800	2 400	33124JR 30224JR	3FE 4FB	7.73 6.36
	215	43.5	40	34	3	2.5	347	473	1 700	2 300			
120	215	61.5	58	50	3	2.5	470	691	1 700	2 300	32224JR 30324JR 31324JR	4FD 2GB 7GB	9.04 14.5 15.4
	260	59.5	55	46	4	3	569	714	1 500	2 000			
	260	68	62	42	4	3	526	665	1 300	1 800			
	260	90.5	86	69	4	3	800	1 110	1 500	2 000	32324JR	2GD	22.2
130	180	32	32	25	2	1.5	200	368	1 900	2 500	32926JR 32026JR 33026JR	2CC 4EC 2EE	2.42 5.04 6.19
	200	45	45	34	2.5	2	340	563	1 800	2 300			
	200	55	55	43	2.5	2	390	705	1 700	2 300			
	230	43.75	40	34	4	3	377	511	1 600	2 100	30226JR	4FB	7.24
	230	67.75	64	54	4	3	554	830	1 600	2 200	32226JR	4FD	11.5
	280	63.75	58	49	5	4	657	834	1 400	1 800	30326JR	2GB	18.1
	280	72	66	44	5	4	589	748	1 200	1 600	31326JR	7GB	18.9
140	190	32	32	25	2	1.5	206	390	1 800	2 300	32928JR 32028JR 33028JR	2CC 4DC 2DE	2.57 5.28 6.61
	210	45	45	34	2.5	2	346	585	1 700	2 200			
	210	56	56	44	2.5	2	406	758	1 600	2 200			
	250	45.75	42	36	4	3	420	570	1 500	1 900	30228JR	4FB	8.97
	250	71.75	68	58	4	3	636	961	1 500	2 000	32228JR	4FD	14.7
	300	67.75	62	53	5	4	749	962	1 300	1 700	30328JR	2GB	22.6
	300	77	70	47	5	4	674	865	1 100	1 500	31328JR	7GB	23.3
150	210	38	38	30	2.5	2	286	536	1 600	2 100	32930JR 32030JR 33030JR	2DC 4EC 2EE	3.96 6.41 8.09
	225	48	48	36	3	2.5	391	668	1 500	2 000			
	225	59	59	46	3	2.5	459	869	1 500	2 000			
	270	49	45	38	4	3	483	664	1 300	1 800	30230JR	4GB	11.6
	270	77	73	60	4	3	704	1 070	1 300	1 800	32230JR	4GD	18.2
	320	72	65	55	5	4	837	1 080	1 200	1 500	30330JR	2GB	26.6
	320	82	75	50	5	4	763	989	980	1 400	31330JR	7GB	28.0
160	220	38	38	30	2.5	2	295	568	1 500	2 000	32932JR 32032JR 30232JR	2DC 4EC 4GB	4.19 7.75 14.1
	240	51	51	38	3	2.5	440	758	1 400	1 900			
	290	52	48	40	4	3	542	750	1 200	1 600			
	290	84	80	67	4	3	795	1 210	1 200	1 700	32232JR	4GD	23.2
	340	75	68	58	5	4	938	1 220	1 100	1 400	30332JR	2GB	31.8

# Kegellagers

## metrische series

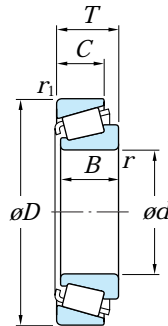
**d 120 - 160 mm**



d	Afmetingen (mm)						Draggetallen (kN)		Max. toerentallen (min <sup>-1</sup> )		Lagernr.	(Refer.) Afmetingen series volgens ISO355	(Refer.) Gewicht (kg)
	D	T	B	C	r min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smering met vet / olie				
<b>170</b>	230	38	38	30	2.5	2	296	606	1 400	1 900	<b>32934JR</b>	3DC	4.49
	260	57	57	43	3	2.5	526	905	1 300	1 700	<b>32034JR</b>	4EC	10.5
	310	57	52	43	5	4	620	867	1 100	1 500	<b>30234JR</b>	4GB	17.8
	310	91	86	71	5	4	898	1 380	1 100	1 500	<b>32234JR</b>	4GD	28.9
	360	80	72	62	5	4	1 040	1 370	1 000	1 300	<b>30334JR</b>	2GB	37.5
<b>180</b>	250	45	45	34	2.5	2	357	735	1 300	1 700	<b>32936JR</b>	4DC	6.64
	280	64	64	48	3	2.5	644	1 100	1 200	1 600	<b>32036JR</b>	3FD	14.1
	320	57	52	43	5	4	615	870	1 100	1 400	<b>30236JR</b>	4GB	18.3
	320	91	86	71	5	4	957	1 520	1 100	1 500	<b>32236JR</b>	4GD	29.9
<b>190</b>	260	45	45	34	2.5	2	366	789	1 200	1 600	<b>32938JR</b>	4DC	6.89
	290	64	64	48	3	2.5	654	1 170	1 100	1 500	<b>32038JR</b>	4FD	14.7
	340	60	55	46	5	4	729	1 030	1 000	1 300	<b>30238JR</b>	4GB	21.9
	340	97	92	75	5	4	1 090	1 740	1 000	1 300	<b>32238JR</b>	4GD	36.6
<b>200</b>	280	51	51	39	3	2.5	486	958	1 100	1 500	<b>32940JR</b>	3EC	9.44
	310	70	70	53	3	2.5	755	1 340	1 100	1 400	<b>32040JR</b>	4FD	19.1
	360	64	58	48	5	4	792	1 120	940	1 200	<b>30240JR</b>	4GB	26.4
	360	104	98	82	5	4	1 240	1 880	960	1 300	<b>32240JR</b>	3GD	44.2

# Kegellagers inch series

**d 15.875 - 28.575 mm**

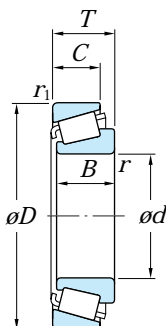


Afmetingen (mm)							Draaggetallen (kN)		Max. toeren-tallen (min <sup>-1</sup> )		Lagernr.		(Refer.) Gewicht (kg)	
d	D	T	B	C	r min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smering met vet olie		Cone	Cup	Cone	Cup
<b>15.875</b>	42.862	14.288	14.288	9.525	1.6	1.6	17.8	17.7	10 000	14 000	<b>11590</b>	<b>11520</b>	0.060	0.040
<b>17.462</b>	39.878	13.843	14.605	10.668	1.2	1.2	25.4	26.0	11 000	14 000	<b>LM11749R</b>	<b>LM11710</b>	0.058	0.028
<b>19.050</b>	45.237	15.494	16.637	12.065	1.2	1.2	29.4	30.1	9 400	13 000	<b>LM11949</b>	<b>LM11910</b>	0.081	0.044
	49.225	19.845	21.539	14.288	1.2	1.2	37.7	37.7	8 900	12 000	<b>09078</b>	<b>09195</b>	0.124	0.065
	49.225	21.209	19.050	17.462	1.2	1.6	37.7	37.7	8 900	12 000	<b>09067</b>	<b>09196</b>	0.114	0.084
<b>21.430</b>	50.005	17.526	18.288	13.970	1.2	1.2	39.1	40.7	8 500	11 000	<b>M12649</b>	<b>M12610</b>	0.119	0.058
<b>21.987</b>	45.974	15.494	16.637	12.065	1.2	1.2	30.1	34.6	8 900	12 000	<b>LM12749</b>	<b>LM12711</b>	0.078	0.043
<b>22.225</b>	50.005	17.526	18.288	13.970	1.2	1.2	39.1	40.7	8 500	11 000	<b>M12648</b>	<b>M12610</b>	0.115	0.058
	56.896	19.368	19.837	15.875	1.2	1.2	40.0	43.1	7 600	10 000	<b>1755</b>	<b>1729</b>	0.150	0.100
	57.150	22.225	22.225	17.462	0.8	1.6	52.6	55.7	7 600	10 000	<b>1280</b>	<b>1220</b>	0.189	0.105
<b>22.606</b>	47.000	15.500	15.500	12.000	1.6	1.0	28.0	32.8	8 700	12 000	<b>LM72849</b>	<b>LM72810</b>	0.076	0.047
<b>23.812</b>	50.292	14.224	14.732	10.668	1.6	1.2	31.2	37.0	7 800	10 000	<b>L44640R</b>	<b>L44610</b>	0.099	0.039
	56.896	19.368	19.837	15.875	0.8	1.2	40.0	43.1	7 600	10 000	<b>1779</b>	<b>1729</b>	0.141	0.100
<b>25.400</b>	50.005	13.495	14.260	9.525	1.0	1.0	26.7	28.8	7 900	11 000	<b>07100</b>	<b>07196</b>	0.084	0.035
	50.005	13.495	14.260	9.525	1.6	1.0	26.7	28.8	7 900	11 000	<b>07100S</b>	<b>07196</b>	0.082	0.035
	50.292	14.224	14.732	10.668	1.2	1.2	31.2	37.0	7 800	10 000	<b>L44643R</b>	<b>L44610</b>	0.092	0.039
	61.912	19.050	20.638	14.288	0.8	2.0	44.6	50.7	6 400	8 600	<b>15101</b>	<b>15243</b>	0.215	0.080
	62.000	19.050	20.638	14.288	3.6	1.2	44.6	50.7	6 400	8 600	<b>15100</b>	<b>15245</b>	0.215	0.081
	63.500	19.050	20.638	14.288	0.8	1.2	44.6	50.7	6 400	8 600	<b>15101</b>	<b>15250R</b>	0.215	0.097
	64.292	21.432	21.432	16.670	1.6	1.6	55.2	70.7	6 400	8 500	<b>M86643R</b>	<b>M86610</b>	0.248	0.127
	65.088	22.225	21.463	15.875	1.6	1.6	47.8	51.7	5 600	7 900	<b>23100</b>	<b>23256</b>	0.231	0.140
	72.233	25.400	25.400	19.842	0.8	2.4	66.9	87.4	5 700	7 600	<b>HM88630</b>	<b>HM88610</b>	0.391	0.185
<b>26.988</b>	50.292	14.224	14.732	10.668	3.6	1.2	31.2	37.0	7 800	10 000	<b>L44649R</b>	<b>L44610</b>	0.083	0.039
	60.325	19.842	17.462	15.875	3.6	1.6	37.8	42.7	7 000	9 400	<b>15580</b>	<b>15523</b>	0.140	0.122
	62.000	19.050	20.638	14.288	0.8	1.2	44.6	50.7	6 400	8 600	<b>15106</b>	<b>15245</b>	0.206	0.081
<b>28.575</b>	57.150	19.845	19.355	15.875	3.6	1.6	48.8	57.1	7 000	9 300	<b>1988R</b>	<b>1922</b>	0.151	0.076
	62.000	19.050	20.638	14.288	3.6	1.2	44.6	50.7	6 400	8 600	<b>15112</b>	<b>15245</b>	0.193	0.081

# Kegellagers inch series



**d 28.575 - 34.925 mm**

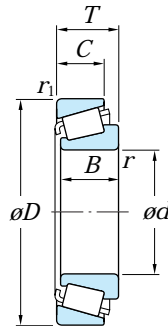


Afmetingen (mm)							Draaggetallen (kN)		Max. toeren-tallen (min <sup>-1</sup> )		Lagernr.		(Refer.) Gewicht (kg)	
d	D	T	B	C	r <sup>1)</sup> min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smering met vet olie		Cone	Cup	Cone	Cup
<b>28.575</b>	64.292	21.432	21.432	16.670	1.6	1.6	55.2	70.7	6 400	8 500	<b>M86647R</b>	<b>M86610</b>	0.225	0.127
	66.421	23.812	25.433	19.050	1.2	1.2	67.0	75.2	6 500	8 700			<b>2689</b>	<b>2631</b>
	68.262	22.225	22.225	17.462	0.8	1.6	51.0	61.1	6 000	8 000	<b>02474</b>	<b>02420</b>	0.252	0.150
	73.025	22.225	22.225	17.462	0.8	3.2	55.0	65.7	5 500	7 400	<b>02872</b>	<b>02820</b>	0.319	0.158
<b>29.000</b>	50.292	14.224	14.732	10.668	3.6	1.2	28.9	37.2	7 600	10 000	<b>L45449</b>	<b>L45410</b>	0.079	0.036
<b>29.367</b>	66.421	23.812	25.433	19.050	3.6	1.2	67.0	75.2	6 500	8 700	<b>2690</b>	<b>2631</b>	0.242	0.165
<b>30.162</b>	64.292	21.432	21.432	16.670	1.6	1.6	55.2	70.7	6 400	8 500	<b>M86649R</b>	<b>M86610</b>	0.213	0.127
	68.262	22.225	22.225	17.462	2.4	1.6	56.1	71.1	6 000	7 900			<b>M88043</b>	<b>M88010</b>
<b>30.213</b>	62.000	19.050	20.638	14.288	3.6	1.2	44.6	50.7	6 400	8 600	<b>15118</b>	<b>15245</b>	0.181	0.081
	62.000	19.050	20.638	14.288	1.6	1.2	44.6	50.7	6 400	8 600	<b>15119</b>	<b>15245</b>	0.183	0.081
	62.000	19.050	20.638	14.288	0.8	1.2	44.6	50.7	6 400	8 600	<b>15120</b>	<b>15245</b>	0.183	0.081
<b>30.226</b>	69.012	19.845	19.583	15.875	0.8	3.2	46.1	55.0	5 900	7 800	<b>14116</b>	<b>14274</b>	0.226	0.131
<b>31.750</b>	59.131	15.875	16.764	11.811	sp	1.2	35.8	43.1	6 600	8 800	<b>LM67048</b>	<b>LM67010</b>	0.120	0.062
	62.000	18.161	19.050	14.288	sp	1.2	44.6	50.7	6 400	8 600	<b>15123</b>	<b>15245</b>	0.157	0.081
	62.000	19.050	20.638	14.288	3.6	1.2	44.6	50.7	6 400	8 600	<b>15125</b>	<b>15245</b>	0.169	0.081
	62.000	19.050	20.638	14.288	0.8	1.2	44.6	50.7	6 400	8 600	<b>15126</b>	<b>15245</b>	0.171	0.081
	66.421	25.400	25.357	20.638	0.8	3.2	71.4	85.1	6 000	8 000	<b>2580</b>	<b>2520</b>	0.281	0.123
	68.262	22.225	22.225	17.462	1.6	1.6	56.1	71.1	6 000	7 900	<b>M88046</b>	<b>M88010</b>	0.245	0.144
	68.262	22.225	22.225	17.462	3.6	1.6	51.0	61.1	6 000	8 000	<b>02475</b>	<b>02420</b>	0.224	0.150
	73.025	22.225	22.225	17.462	3.6	3.2	55.0	65.7	5 600	7 400	<b>02875</b>	<b>02820</b>	0.293	0.158
73.025	29.370	27.783	23.020	1.2	3.2	74.3	101	5 600	7 500	<b>HM88542</b>	<b>HM88510</b>	0.377	0.238	
73.812	29.370	27.783	23.020	1.2	3.2	74.3	101	5 600	7 500	<b>HM88542</b>	<b>HM88512</b>	0.377	0.254	
<b>33.338</b>	68.262	22.225	22.225	17.462	0.8	1.6	56.1	71.1	6 000	7 900	<b>M88048</b>	<b>M88010</b>	0.231	0.144
	73.025	29.370	27.783	23.020	0.8	3.2	74.3	101	5 600	7 500	<b>HM88547</b>	<b>HM88510</b>	0.360	0.238
	76.200	29.370	28.575	23.020	0.8	3.2	79.5	107	5 400	7 200	<b>HM89443</b>	<b>HM89410</b>	0.415	0.254
<b>34.925</b>	65.088	18.034	18.288	13.970	sp	1.2	48.0	58.5	6 000	8 000	<b>LM48548</b>	<b>LM48510</b>	0.164	0.086
	69.012	26.982	26.721	15.875	0.8	1.2	46.1	55.0	5 900	7 800	<b>14136A</b>	<b>14276</b>	0.254	0.133
	72.233	25.400	25.400	19.842	2.4	2.4	66.9	87.4	5 700	7 600	<b>HM88649</b>	<b>HM88610</b>	0.301	0.185

Notes 1) 'sp' is speciale radius

# Kegellagers inch series

**d 34.925 - 40.483 mm**



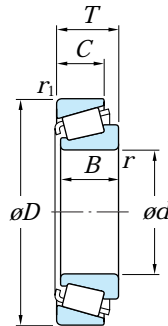
d	Afmetingen (mm)						Draaggetallen (kN)		Max. toeren-tallen (min <sup>-1</sup> )		Lagernr. <sup>1)</sup>		(Refer.) Gewicht (kg)	
	D	T	B	C	r <sup>2)</sup> min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smering met vet olie		Cone	Cup	Cone	Cup
34.925	73.025	23.812	24.608	19.050	1.6	0.8	72.2	87.3	5 600	7 400	25877R 31594	25821 31520	0.310	0.165
	76.200	29.370	28.575	23.812	1.6	3.2	80.9	97.4	5 400	7 200			0.388	0.232
34.980	59.131	15.875	16.764	11.938	sp	1.2	35.7	48.5	6 400	8 500	L68149 L68149	L68110 L68111	0.112	0.056
	59.975	15.875	16.764	11.938	sp	1.2	35.7	48.5	6 400	8 500			0.112	0.063
35.000	79.375	23.812	25.400	19.050	0.8	0.8	81.1	105	5 000	6 700	26883R	26822	0.414	0.186
35.717	72.233	25.400	25.400	19.842	3.6	2.4	66.9	87.4	5 700	7 600	HM88648	HM88610	0.291	0.185
36.487	73.025	23.812	24.608	19.050	1.6	0.8	72.2	87.3	5 600	7 400	25880R	25821	0.294	0.165
	76.200	29.370	28.575	23.020	3.6	0.8	79.5	107	5 400	7 200			0.386	0.258
36.512	79.375	23.812	25.400	19.050	0.8	0.8	81.1	105	5 000	6 700	HM89449 26877R	HM89411 26822	0.404	0.186
	79.375	23.812	25.400	19.050	0.8	0.8	81.1	105	5 000	6 700			0.404	0.186
38.000	63.000	17.000	17.000	13.500	sp	sp	43.5	58.2	6 000	8 000	JL69349	JL69310	0.128	0.070
38.100	65.088	18.034	18.288	13.970	sp	1.2	42.9	56.5	5 800	7 800	LM29748	LM29710	0.154	0.079
	65.088	19.812	18.288	15.748	2.4	1.2	42.9	56.5	5 800	7 800	LM29749	LM29711	0.159	0.092
	71.438	15.875	16.520	11.908	1.6	1.0	46.1	53.8	5 700	7 600	19150R	19281	0.167	0.105
	71.996	17.018	16.520	14.288	1.6	1.6	46.1	53.8	5 700	7 600	19150R	19283	0.167	0.133
	71.996	19.000	20.638	14.237	3.6	1.6	49.7	61.3	5 600	7 400	16150	16282	0.207	0.121
	72.238	20.638	20.638	15.875	3.6	1.2	49.7	61.3	5 600	7 400	16150	16284	0.207	0.144
	72.238	23.812	20.638	19.050	3.6	2.4	49.7	61.3	5 600	7 400	16150	16283	0.207	0.183
	76.200	23.812	25.654	19.050	3.6	0.8	74.1	92.2	5 400	7 200	2788R	2729	0.308	0.189
	79.375	29.370	29.771	23.812	3.6	3.2	87.4	105	5 200	6 900	3490	3420	0.419	0.256
	82.550	29.370	28.575	23.020	0.8	3.2	87.3	117	4 900	6 600	HM801346	HM801310	0.483	0.282
39.688	82.550	29.370	28.575	23.020	2.4	3.2	87.3	117	4 900	6 600	HM801346X	HM801310	0.483	0.282
	88.501	26.988	29.083	22.225	3.6	1.6	98.2	112	4 900	6 500	418	414	0.523	0.325
40.000	73.025	23.812	25.654	19.050	3.6	0.8	74.1	92.2	5 400	7 200	2789R	2735X	0.288	0.134
	76.200	20.638	20.940	15.507	1.6	1.2	57.3	65.9	5 300	7 000			0.266	0.137
40.483	80.000	21.000	22.403	17.826	3.6	1.2	68.0	74.8	4 900	6 600	344 344A	332 332	0.334	0.144
	80.000	21.000	22.403	17.826	0.8	1.2	68.0	74.8	4 900	6 600			0.334	0.144
40.483	82.550	29.370	28.575	23.020	3.6	3.2	87.3	117	4 900	6 600	HM801349	HM801310	0.450	0.282

Notes 1) Lagers met het voorvoegsel J zijn volgens speciaal ontworpen nauwkeurigheid.

2) 'sp' is speciale radius.

# Kegellagers inch series

**d 41.275 - 44.450 mm**

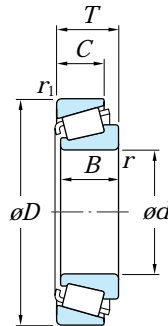


d	Afmetingen (mm)						Draaggetallen (kN)		Max. toeren-tallen (min <sup>-1</sup> )		Lagernr.		(Refer.) Gewicht (kg)	
	D	T	B	C	r min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smearing met vet olie		Cone	Cup	Cone	Cup
41.275	73.025	16.667	17.462	12.700	3.6	1.6	45.9	55.8	5 200	6 900	18590	18520	0.199	0.085
	73.431	19.558	19.812	14.732	3.6	0.8	57.8	73.0	5 200	7 000	LM501349	LM501310	0.227	0.107
	73.431	21.430	19.812	16.604	3.6	0.8	57.8	73.0	5 200	7 000	LM501349	LM501314	0.227	0.126
	73.431	23.012	19.812	18.186	3.6	2.4	57.8	73.0	5 200	7 000	LM501349	LM501311	0.227	0.140
	76.200	18.009	17.384	14.288	1.6	1.6	51.6	63.3	5 200	6 900	11162R	11300	0.221	0.127
	76.200	22.225	23.020	17.462	3.6	0.8	66.3	83.3	5 200	6 900	24780R	24720	0.275	0.148
	80.000	21.000	22.403	17.826	3.6	1.2	68.0	74.8	4 900	6 600	342	332	0.317	0.144
	85.725	30.162	30.162	23.812	3.6	1.2	108	136	4 800	6 400	3877	3821	0.506	0.324
	88.900	20.638	22.225	16.513	3.6	1.2	74.3	87.3	4 400	5 800	365A	362A	0.458	0.164
	88.900	30.162	29.370	23.020	0.8	3.2	99.6	125	4 600	6 100	HM803145	HM803110	0.577	0.318
88.900	30.162	29.370	23.020	3.6	3.2	99.6	125	4 600	6 100	HM803146	HM803110	0.574	0.318	
90.488	39.688	40.386	33.338	3.6	3.2	132	169	4 500	6 000	4388	4335	0.775	0.454	
95.250	30.162	29.370	23.020	3.6	3.2	104	140	3 300	4 400	HM804840	HM804810	0.719	0.351	
104.775	36.512	36.512	28.575	1.6	3.2	141	195	3 800	5 100	HM807035	HM807010	1.19	0.497	
42.875	82.931	23.812	25.400	19.050	3.6	0.8	77.2	100	4 800	6 300	25577	25520	0.382	0.200
44.450	82.931	23.812	25.400	19.050	5.2	0.8	77.2	100	4 800	6 300	25582	25520	0.361	0.200
	84.138	30.162	30.886	23.812	3.6	3.2	95.8	120	4 600	6 200	3578R	3520	0.479	0.221
	85.000	20.638	21.692	17.462	2.4	1.2	71.8	81.7	4 600	6 200	355	354A	0.344	0.160
	85.000	20.638	21.692	17.462	0.8	1.2	71.8	81.7	4 600	6 200	355A	354A	0.344	0.160
	88.900	30.162	29.370	23.020	3.6	3.2	99.6	125	4 600	6 100	HM803149	HM803110	0.525	0.318
	95.250	27.783	28.575	22.225	0.8	2.4	108	141	4 100	5 400	33885	33821	0.714	0.264
	95.250	30.162	29.370	23.020	0.8	2.4	104	140	3 300	4 400	HM804842	HM804810	0.673	0.351
	95.250	30.162	29.370	23.020	3.6	2.4	104	140	3 300	4 400	HM804843	HM804810	0.670	0.351
	95.250	30.958	28.301	20.638	3.6	0.8	88.7	98.4	3 700	5 200	53177	53375	0.558	0.363
	95.250	30.958	28.575	22.225	3.6	0.8	99.7	120	3 700	5 100	HM903249	HM903210	0.614	0.383
104.775	36.512	36.512	28.575	3.6	3.2	141	195	3 800	5 100	HM807040	HM807010	1.13	0.497	
111.125	30.162	26.909	20.638	3.6	3.2	111	150	3 100	4 300	55175CR	55437	0.939	0.507	
111.125	30.162	26.909	20.638	0.8	3.2	111	150	3 100	4 300	55176CR	55437	0.939	0.507	



# Kegellagers inch series

**d 44.983 - 50.000 mm**

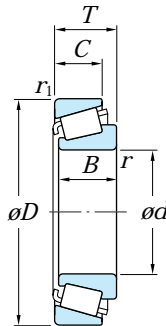


Afmetingen (mm)							Draaggetallen (kN)		Max. toeren-tallen (min <sup>-1</sup> )		Lagernr. <sup>1)</sup>		(Refer.) Gewicht (kg)	
d	D	T	B	C	r min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smering met vet olie		Cone	Cup	Cone	Cup
<b>44.983</b>	93.264	30.162	30.302	23.812	3.6	3.2	103	137	4 200	5 500	<b>3776</b>	<b>3720</b>	0.650	0.288
<b>44.988</b>	95.250	30.958	28.575	22.225	3.6	0.8	99.7	120	3 700	5 100	<b>HM903248</b>	<b>HM903210</b>	0.606	0.383
<b>45.242</b>	73.431	19.558	19.812	15.748	3.6	0.8	55.6	78.1	5 100	6 700	<b>LM102949</b>	<b>LM102910</b>	0.209	0.100
	77.788	19.842	19.842	15.080	3.6	0.8	57.1	73.5	4 900	6 500	<b>LM603049</b>	<b>LM603011</b>	0.243	0.120
	77.788	21.430	19.842	16.667	3.6	0.8	57.1	73.5	4 900	6 500	<b>LM603049</b>	<b>LM603012</b>	0.243	0.138
	79.974	19.842	19.842	15.080	3.6	0.8	57.1	73.5	4 900	6 500	<b>LM603049</b>	<b>LM603014</b>	0.243	0.152
<b>45.618</b>	85.000	23.812	25.400	19.050	3.6	2.4	77.2	100	4 800	6 300	<b>25590</b>	<b>25526</b>	0.344	0.241
<b>45.987</b>	74.976	18.000	18.000	14.000	2.4	1.6	52.6	74.6	5 000	6 600	<b>LM503349R</b>	<b>LM503310</b>	0.207	0.095
<b>46.038</b>	79.375	17.462	17.462	13.495	2.8	1.6	47.1	59.1	4 800	6 400	<b>18690</b>	<b>18620</b>	0.208	0.123
	85.000	20.638	21.692	17.462	3.6	1.2	71.8	81.7	4 600	6 200	<b>359A</b>	<b>354A</b>	0.323	0.160
	85.000	20.638	21.692	17.462	2.4	1.2	71.8	81.7	4 600	6 200	<b>359S</b>	<b>354A</b>	0.323	0.160
<b>47.625</b>	88.900	20.638	22.225	16.513	3.6	1.2	74.3	87.3	4 400	5 800	<b>369A</b>	<b>362A</b>	0.373	0.164
	88.900	25.400	25.400	19.050	3.6	3.2	87.1	112	4 400	5 900	<b>M804049</b>	<b>M804010</b>	0.450	0.216
	95.250	30.162	29.370	23.020	3.6	3.2	104	140	3 300	4 400	<b>HM804846</b>	<b>HM804810</b>	0.617	0.351
	96.838	21.000	21.946	15.875	0.8	0.8	80.4	101	3 900	5 200	<b>386A</b>	<b>382A</b>	0.563	0.177
	101.600	34.925	36.068	26.988	3.6	3.2	131	159	4 000	5 300	<b>528</b>	<b>522</b>	0.871	0.411
	104.775	30.162	29.317	24.605	4.8	3.2	109	144	3 700	4 900	<b>463</b>	<b>453X</b>	0.838	0.372
	111.125	30.162	26.909	20.638	3.6	3.2	97.7	119	3 200	4 400	<b>55187</b>	<b>55437</b>	0.817	0.507
<b>48.412</b>	95.250	30.162	29.370	23.020	2.4	3.2	104	140	3 300	4 400	<b>HM804848</b>	<b>HM804810</b>	0.606	0.351
<b>49.212</b>	88.900	20.638	22.225	16.513	0.8	1.2	74.3	87.3	4 400	5 800	<b>365S</b>	<b>362A</b>	0.366	0.164
	104.775	36.512	36.512	28.575	3.6	3.2	141	195	3 800	5 100	<b>HM807044</b>	<b>HM807010</b>	1.03	0.497
	114.300	44.450	44.450	34.925	3.6	3.2	189	230	3 800	5 000	<b>65390</b>	<b>65320</b>	1.28	0.894
<b>50.000</b>	82.000	21.501	21.501	17.000	3.0	0.5	71.7	97.9	4 500	6 000	<b>JLM104948</b>	<b>JLM104910</b>	0.304	0.128
	88.900	20.638	22.225	16.513	2.0	1.2	74.3	87.3	4 400	5 800	<b>365</b>	<b>362A</b>	0.346	0.164
	90.000	28.000	28.000	23.000	3.0	2.5	105	138	4 300	5 800	<b>JM205149</b>	<b>JM205110</b>	0.508	0.243
	105.000	37.000	36.000	29.000	3.0	2.8	149	205	3 800	5 100	<b>JHM807045</b>	<b>JHM807012</b>	1.01	0.523
	110.000	22.000	21.996	18.824	0.8	1.2	86.4	116	3 400	4 500	<b>396</b>	<b>394A</b>	0.777	0.263

Note 1) Laggers met het voorvoegsel J zijn volgens speciaal ontworpen nauwkeurigheid.

# Kegellagers inch series

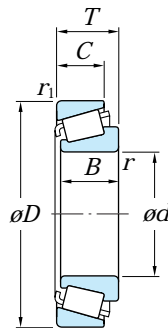
**d 50.000 - 54.991 mm**



d	Afmetingen (mm)						Draaggetallen (kN)		Max. toeren-tallen (min <sup>-1</sup> )		Lagernr.		(Refer.) Gewicht (kg)	
	D	T	B	C	r min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smearing met vet olie		Cone	Cup	Cone	Cup
<b>50.800</b>	82.550	21.590	22.225	16.510	3.6	1.2	61.2	84.3	4 500	6 000	<b>LM104949</b>	<b>LM104911</b>	0.287	0.131
	88.900	17.462	17.462	13.495	3.6	1.2	49.7	65.5	4 400	5 900	<b>18790</b>	<b>18724</b>	0.226	0.190
	88.900	20.638	22.225	16.513	1.6	1.2	74.3	87.3	4 400	5 800	<b>368</b>	<b>362A</b>	0.333	0.164
	88.900	20.638	22.225	16.513	3.6	1.2	74.3	87.3	4 400	5 800	<b>368A</b>	<b>362A</b>	0.331	0.164
	92.075	24.608	25.400	19.845	3.6	0.8	84.8	119	4 200	5 600	<b>28580R</b>	<b>28521</b>	0.453	0.247
	93.264	30.162	30.302	23.812	3.6	3.2	103	137	4 200	5 500	<b>3780</b>	<b>3720</b>	0.547	0.288
	95.250	27.783	28.575	22.225	3.6	0.8	108	141	4 100	5 400	<b>33889</b>	<b>33822</b>	0.604	0.267
	96.838	21.000	21.946	15.875	0.8	0.8	80.4	101	3 900	5 200	<b>385AX</b>	<b>382A</b>	0.521	0.177
	97.630	24.608	24.608	19.446	3.6	0.8	89.6	131	3 900	5 200	<b>28678</b>	<b>28622</b>	0.569	0.267
	101.600	31.750	31.750	25.400	3.6	3.2	114	143	3 900	5 200	<b>49585</b>	<b>49520</b>	0.736	0.384
	101.600	34.925	36.068	26.988	0.8	3.2	131	159	4 000	5 300	<b>529</b>	<b>522</b>	0.806	0.411
	104.775	30.162	30.958	23.812	6.4	3.2	126	165	3 700	4 900	<b>45284</b>	<b>45220</b>	0.873	0.345
	104.775	36.512	36.512	28.575	3.6	3.2	141	195	3 800	5 100	<b>HM807046</b>	<b>HM807010</b>	0.995	0.497
	107.950	36.512	36.957	28.575	3.6	3.2	138	172	3 800	5 100	<b>537</b>	<b>532X</b>	0.969	0.569
	111.125	30.162	26.909	20.638	3.6	3.2	111	150	3 100	4 300	<b>55200CR</b>	<b>55437</b>	0.840	0.507
112.712	30.162	30.162	23.812	3.6	3.2	147	207	3 300	4 500	<b>39575</b>	<b>39520</b>	1.13	0.359	
123.825	36.512	32.791	25.400	3.6	3.2	156	190	2 900	4 000	<b>72200C</b>	<b>72487</b>	1.32	0.782	
<b>51.592</b>	88.900	20.638	22.225	16.513	2.0	1.2	74.3	87.3	4 400	5 800	<b>368S</b>	<b>362A</b>	0.321	0.164
	88.900	20.638	22.225	16.513	3.6	1.2	74.3	87.3	4 400	5 800	<b>368A</b>	<b>362A</b>	0.331	0.164
<b>52.388</b>	92.075	24.608	25.400	19.845	3.6	0.8	84.8	119	4 200	5 600	<b>28584R</b>	<b>28521</b>	0.435	0.247
	104.775	30.162	29.317	24.605	1.6	3.2	109	144	3 700	4 900	<b>468</b>	<b>453X</b>	0.748	0.372
<b>53.975</b>	88.900	19.050	19.050	13.492	2.4	2.0	62.9	86.8	4 200	5 600	<b>LM806649</b>	<b>LM806610</b>	0.312	0.135
	95.250	27.783	28.575	22.225	1.6	0.8	108	141	4 100	5 400	<b>33895</b>	<b>33822</b>	0.550	0.267
	104.775	36.512	36.512	28.575	3.6	3.2	141	195	3 800	5 100	<b>HM807049</b>	<b>HM807010</b>	0.921	0.497
	120.650	41.275	41.275	31.750	3.6	3.2	174	217	3 500	4 600	<b>621</b>	<b>612</b>	1.36	0.853
	123.825	36.512	32.791	25.400	3.6	3.2	156	190	2 900	4 000	<b>72212C</b>	<b>72487</b>	1.26	0.782
123.825	38.100	36.678	30.162	3.6	3.2	162	223	3 200	4 200	<b>557S</b>	<b>552A</b>	1.47	0.756	
<b>54.991</b>	135.755	53.975	56.007	44.450	3.6	3.2	266	357	3 000	4 000	<b>6381</b>	<b>6320</b>	2.75	1.37

# Kegellagers inch series

**d 55.000 - 63.500 mm**



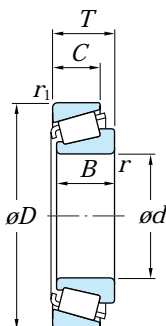
d	Afmetingen (mm)						Draaggetallen (kN)		Max. toeren-tallen (min <sup>-1</sup> )		Lagernr. <sup>1)</sup>		(Refer.) Gewicht (kg)	
	D	T	B	C	r min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smering met vet olie		Cone	Cup	Cone	Cup
<b>55.000</b>	90.000	23.000	23.000	18.500	1.6	0.5	81.4	115	4 200	5 500	<b>JLM506849</b>	<b>JLM506810</b>	0.370	0.183
	95.000	29.000	29.000	23.500	1.6	2.8	110	150	4 000	5 300	<b>JM207049</b>	<b>JM207010</b>	0.567	0.256
	96.838	21.000	21.946	15.875	2.4	0.8	80.4	101	3 900	5 200	<b>385</b>	<b>382A</b>	0.461	0.177
	110.000	39.000	39.000	32.000	3.0	2.5	176	224	3 600	4 900	<b>JH307749</b>	<b>JH307710</b>	1.16	0.560
<b>55.562</b>	97.630	24.608	24.608	19.446	3.6	0.8	89.6	131	3 900	5 200	<b>28680</b>	<b>28622</b>	0.492	0.267
<b>55.575</b>	96.838	21.000	21.946	15.875	2.4	0.8	80.4	101	3 900	5 200	<b>389</b>	<b>382A</b>	0.452	0.177
<b>57.150</b>	96.838	21.000	21.946	15.875	2.4	0.8	80.4	101	3 900	5 200	<b>387</b>	<b>382A</b>	0.428	0.177
	96.838	21.000	21.946	15.875	3.6	0.8	80.4	101	3 900	5 200	<b>387A</b>	<b>382A</b>	0.426	0.177
	96.838	21.000	21.946	15.875	5.2	0.8	80.4	101	3 900	5 200	<b>387AS</b>	<b>382A</b>	0.422	0.177
	96.838	21.000	21.946	15.875	0.8	0.8	80.4	101	3 900	5 200	<b>387S</b>	<b>382A</b>	0.431	0.177
	98.425	21.000	21.946	17.826	2.4	0.8	80.4	101	3 900	5 200	<b>387</b>	<b>382</b>	0.428	0.233
	104.775	30.162	29.317	24.605	2.4	3.2	109	144	3 700	4 900	<b>462</b>	<b>453X</b>	0.685	0.372
	104.775	30.162	29.317	24.605	3.6	3.2	109	144	3 700	4 900	<b>469</b>	<b>453X</b>	0.682	0.372
	104.775	30.162	30.958	23.812	6.4	0.8	126	165	3 700	4 900	<b>45291</b>	<b>45221</b>	0.742	0.350
	112.712	30.162	30.162	23.812	3.6	3.2	147	207	3 300	4 500	<b>39580</b>	<b>39520</b>	1.05	0.355
	112.712	30.162	30.162	23.812	7.9	3.2	147	207	3 300	4 500	<b>39581</b>	<b>39520</b>	1.03	0.355
	123.825	36.512	32.791	25.400	3.6	3.2	156	190	2 900	4 000	<b>72225C</b>	<b>72487</b>	1.19	0.782
	140.030	36.512	33.236	23.520	3.6	2.4	150	177	2 500	3 500	<b>78225</b>	<b>78551</b>	1.70	0.915
<b>57.531</b>	96.838	21.000	21.946	15.875	3.6	0.8	80.4	101	3 900	5 200	<b>388A</b>	<b>382A</b>	0.420	0.177
<b>60.325</b>	100.000	25.400	25.400	19.845	3.6	3.2	91.4	137	3 700	4 900	<b>28985</b>	<b>28921</b>	0.533	0.230
	101.600	25.400	25.400	19.845	3.6	3.2	91.4	137	3 700	4 900	<b>28985</b>	<b>28920</b>	0.533	0.269
	127.000	44.450	44.450	34.925	3.6	3.2	208	269	3 300	4 400	<b>65237</b>	<b>65500</b>	1.59	1.02
	136.525	46.038	46.038	36.512	3.6	3.2	231	369	2 800	3 700	<b>H715332</b>	<b>H715311</b>	2.56	0.950
<b>61.912</b>	110.000	22.000	21.996	18.824	0.8	1.2	86.4	116	3 400	4 500	<b>392</b>	<b>394A</b>	0.606	0.259
	146.050	41.275	39.688	25.400	3.6	3.2	199	232	2 300	3 300	<b>H913842R</b>	<b>H913810</b>	2.20	0.898
<b>63.500</b>	107.950	25.400	25.400	19.050	1.6	3.2	92.8	143	3 400	4 500	<b>29586</b>	<b>29520</b>	0.649	0.277
	110.000	22.000	21.996	18.824	3.6	1.2	86.4	116	3 400	4 500	<b>395</b>	<b>394A</b>	0.575	0.259
	110.000	25.400	25.400	19.050	3.6	1.2	92.8	143	3 400	4 500	<b>29585</b>	<b>29521</b>	0.644	0.333

Note 1) Laggers met het voorvoegsel J zijn volgens speciaal ontworpen nauwkeurigheid.

# Kegellagers inch series



**d 65.000 - 71.438 mm**

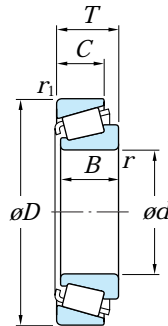


d	Afmetingen (mm)						Draaggetallen (kN)		Max. toeren-tallen (min <sup>-1</sup> )		Lagernr. <sup>1)</sup>		(Refer.) Gewicht (kg)	
	D	T	B	C	r min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smering met vet olie		Cone	Cup	Cone	Cup
65.000	105.000	24.000	23.000	18.500	3.0	1.0	95.3	129	3 500	4 700	JLM710949	JLM710910	0.513	0.234
	110.000	28.000	28.000	22.500	3.0	2.8	136	191	3 400	4 600	JM511946	JM511910	0.733	0.338
	120.000	39.000	38.500	32.000	3.0	2.8	189	255	3 200	4 300	JH211749	JH211710	1.27	0.618
65.088	135.755	53.975	56.007	44.450	3.6	3.2	266	357	3 000	4 000	6379	6320	2.34	1.37
66.675	110.000	22.000	21.996	18.824	0.8	1.2	86.4	116	3 400	4 500	395A	394A	0.524	0.259
	110.000	22.000	21.996	18.824	3.6	1.2	86.4	116	3 400	4 500	395S	394A	0.519	0.259
	112.712	30.162	30.048	23.812	3.6	0.8	111	164	3 400	4 500	3984	3925	0.700	0.454
	112.712	30.162	30.162	23.812	3.6	3.2	147	207	3 300	4 500	39590	39520	0.832	0.355
	112.712	30.162	30.162	23.812	3.6	0.8	147	207	3 300	4 500	39590	39521	0.832	0.360
	117.475	30.162	30.162	23.812	3.6	3.2	118	179	3 200	4 200	33262	33462	0.910	0.436
	122.238	38.100	38.354	29.718	3.6	1.6	191	249	3 200	4 300	HM212049	HM212010	1.26	0.596
135.755	53.975	56.007	44.450	4.3	3.2	266	357	3 000	4 000	6386	6320	2.27	1.37	
68.262	110.000	22.000	21.996	18.824	2.4	1.2	86.4	116	3 400	4 500	399A	394A	0.493	0.259
	110.000	22.000	21.996	18.824	5.2	1.2	86.4	116	3 400	4 500	399AS	394A	0.485	0.259
	136.525	41.275	41.275	31.750	3.6	3.2	241	308	2 900	3 800	H414245	H414210	1.92	0.788
	136.525	46.038	46.038	36.512	3.6	3.2	231	369	2 800	3 700	H715343	H715311	2.27	0.950
69.850	112.712	25.400	25.400	19.050	1.6	3.2	97.0	155	3 200	4 300	29675	29620	0.676	0.270
	117.475	30.162	30.162	23.812	3.6	3.2	118	179	3 200	4 200	33275	33462	0.830	0.436
	120.000	29.794	29.007	24.237	3.6	2.0	118	161	3 200	4 200	482	472	0.791	0.487
	120.000	32.545	32.545	26.195	3.6	3.2	150	218	3 100	4 200	47487R	47420	1.01	0.476
	123.825	30.162	29.007	24.605	3.6	3.2	118	161	3 200	4 200	482	472X	0.791	0.625
	127.000	36.512	36.170	28.575	3.6	3.2	156	226	3 000	4 000	566	563	1.24	0.648
	146.050	41.275	39.688	25.400	3.6	3.2	202	237	2 300	3 300	H913849R	H913810	1.95	0.898
70.000	110.000	26.000	25.000	20.500	1.0	2.5	103	158	3 300	4 400	JLM813049	JLM813010	0.590	0.300
	115.000	29.000	29.000	23.000	3.0	2.5	123	173	3 200	4 300	JM612949	JM612910	0.776	0.358
71.438	117.475	30.162	30.162	23.812	3.6	3.2	118	179	3 200	4 200	33281	33462	0.789	0.436
	120.000	32.545	32.545	26.195	3.6	3.2	150	218	3 100	4 200	47490R	47420	0.964	0.476
	127.000	36.512	36.170	28.575	3.6	3.2	156	226	3 000	4 000	567A	563	1.19	0.648

Note 1) Laggers met het voorvoegsel J zijn volgens speciaal ontworpen nauwkeurigheid.

# Kegellagers inch series

**d 71.438 - 82.550 mm**

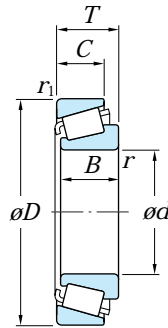


d	Afmetingen (mm)						Draaggetallen (kN)		Max. toeren-tallen (min <sup>-1</sup> )		Lagernr. <sup>1)</sup>		(Refer.) Gewicht (kg)	
	D	T	B	C	r min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smearing met vet olie		Cone	Cup	Cone	Cup
<b>71.438</b>	136.525	41.275	41.275	31.750	3.6	3.2	241	308	2 900	3 800	<b>H414249</b> <b>H715345</b>	<b>H414210</b> <b>H715311</b>	1.80	0.788
	136.525	46.038	46.038	36.512	3.6	3.2	231	369	2 800	3 700			2.15	0.950
<b>73.025</b>	112.712	25.400	25.400	19.050	3.6	3.2	97.0	155	3 200	4 300	<b>29685</b> <b>33287</b> <b>567</b>	<b>29620</b> <b>33462</b> <b>563</b>	0.602	0.270
	117.475	30.162	30.162	23.812	3.6	3.2	118	179	3 200	4 200			0.747	0.436
	127.000	36.512	36.170	28.575	3.6	3.2	156	226	3 000	4 000			1.14	0.648
	149.225	53.975	54.229	44.450	3.6	3.2	285	404	2 700	3 500	<b>6460</b>	<b>6420</b>	2.79	1.61
<b>75.000</b>	115.000	25.000	25.000	19.000	3.0	2.8	101	151	3 100	4 200	<b>JLM714149</b> <b>JM714249</b>	<b>JLM714110</b> <b>JM714210</b>	0.612	0.269
	120.000	31.000	29.500	25.000	3.0	2.8	145	216	3 100	4 100			0.846	0.430
<b>76.200</b>	121.442	24.608	23.012	17.462	3.6	2.0	90.0	127	3 000	4 000	<b>34301</b> <b>42688</b> <b>495AX</b> <b>47678R</b> <b>5760</b> <b>495A</b>	<b>34478</b> <b>42620</b> <b>492A</b> <b>47620</b> <b>5735</b> <b>493</b>	0.617	0.313
	127.000	30.162	31.000	22.225	6.4	3.2	143	225	2 400	3 200			1.04	0.434
	133.350	30.162	29.769	22.225	6.4	3.2	133	198	2 700	3 600			1.20	0.430
	133.350	33.338	33.338	26.195	6.4	3.2	154	245	2 700	3 700			1.29	0.577
	135.733	44.450	46.101	34.925	3.6	3.2	213	337	2 800	3 700			1.85	0.877
	136.525	30.162	29.769	22.225	3.6	3.2	133	198	2 700	3 600	<b>495A</b>	<b>493</b>	1.26	0.544
	139.992	36.512	36.098	28.575	3.6	3.2	175	262	2 700	3 600	<b>575R</b>	<b>572</b>	1.64	0.779
<b>76.200</b>	150.089	44.450	46.672	36.512	3.6	3.2	264	368	2 500	3 400	<b>748SR</b> <b>9285R</b>	<b>742</b> <b>9220</b>	2.51	1.06
	161.925	49.212	46.038	31.750	3.6	3.2	246	286	2 100	2 900			3.00	1.38
<b>77.788</b>	117.475	25.400	25.400	19.050	3.6	3.2	101	166	3 100	4 100	<b>LM814849</b> <b>34306</b> <b>42690</b>	<b>LM814810</b> <b>34478</b> <b>42620</b>	0.619	0.295
	121.442	24.608	23.012	17.462	3.6	2.0	90.0	127	3 000	4 000			0.583	0.313
	127.000	30.162	31.000	22.225	3.6	3.2	143	225	2 400	3 200			1.00	0.434
<b>79.375</b>	190.500	57.150	57.531	46.038	3.6	3.2	440	602	2 000	2 700	<b>HH221431</b>	<b>HH221410</b>	6.16	2.21
<b>80.000</b>	130.000	35.000	34.000	28.500	3.2	2.5	168	256	2 800	3 800	<b>JM515649</b>	<b>JM515610</b>	1.19	0.575
<b>80.962</b>	133.350	30.162	29.769	22.225	3.6	3.2	133	198	2 700	3 600	<b>496</b>	<b>492A</b>	1.12	0.429
<b>82.550</b>	125.412	25.400	25.400	19.845	3.6	1.6	101	162	2 900	3 800	<b>27687</b> <b>495</b> <b>47686R</b>	<b>27620</b> <b>492A</b> <b>47620A</b>	0.710	0.344
	133.350	30.162	29.769	22.225	3.6	3.2	133	198	2 700	3 600			1.08	0.429
	133.350	33.338	33.338	26.195	3.6	0.8	154	245	2 700	3 700			1.13	0.577

Note 1) Laggers met het voorvoegsel J zijn volgens speciaal ontworpen nauwkeurigheid.

# Kegellagers inch series

**d 82.550 - 100.012 mm**



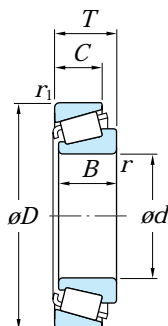
Afmetingen (mm)							Draaggetallen (kN)		Max. toeren-tallen (min <sup>-1</sup> )		Lagernr. <sup>1)</sup>		(Refer.) Gewicht (kg)	
d	D	T	B	C	r min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smearing met vet olie		Cone	Cup	Cone	Cup
<b>82.550</b>	133.350	39.688	39.688	32.545	6.7	3.2	177	306	2 800	3 700	<b>HM516448</b>	<b>HM516410</b>	1.33	0.763
	139.700	36.512	36.098	28.575	3.6	3.2	175	262	2 700	3 600	<b>580R</b>	<b>572X</b>	1.41	0.765
	139.992	36.512	36.098	28.575	3.6	3.2	175	262	2 700	3 600	<b>580R</b>	<b>572</b>	1.41	0.779
	139.992	36.512	36.098	28.575	6.7	3.2	175	262	2 700	3 600	<b>582R</b>	<b>572</b>	1.40	0.779
	146.050	41.275	41.275	31.750	3.6	3.2	208	301	2 600	3 400	<b>663</b>	<b>653</b>	1.91	0.880
	150.089	44.450	46.672	36.512	3.6	3.2	264	368	2 500	3 400	<b>749AR</b>	<b>742</b>	2.23	1.06
<b>83.345</b>	125.412	25.400	25.400	19.845	3.6	1.6	101	162	2 900	3 800	<b>27690</b>	<b>27620</b>	0.689	0.344
<b>85.000</b>	130.000	30.000	29.000	24.000	3.0	2.5	142	228	2 800	3 700	<b>JM716649</b>	<b>JM716610</b>	0.937	0.456
	140.000	39.000	38.000	31.500	3.0	2.5	203	308	2 700	3 500	<b>JHM516849</b>	<b>JHM516810</b>	1.54	0.759
<b>85.026</b>	150.089	44.450	46.672	36.512	3.6	3.2	264	368	2 500	3 400	<b>749R</b>	<b>742</b>	2.12	1.06
<b>85.725</b>	133.350	30.162	29.769	22.225	3.6	3.2	133	198	2 700	3 600	<b>497</b>	<b>492A</b>	0.978	0.429
	142.138	42.862	42.862	34.133	4.8	3.2	219	351	2 600	3 500	<b>HM617049</b>	<b>HM617010</b>	1.72	0.902
	146.050	41.275	41.275	31.750	3.6	3.2	208	301	2 600	3 400	<b>665</b>	<b>653</b>	1.77	0.880
	146.050	41.275	41.275	31.750	6.4	3.2	208	301	2 600	3 400	<b>665A</b>	<b>653</b>	1.76	0.880
	152.400	39.688	36.322	30.162	3.6	3.2	183	287	2 400	3 300	<b>596</b>	<b>592A</b>	1.83	1.04
	161.925	47.625	48.260	38.100	3.6	3.2	273	391	2 400	3 200	<b>758</b>	<b>752</b>	2.67	1.59
<b>88.900</b>	152.400	39.688	39.688	30.162	6.4	3.2	248	359	2 400	3 200	<b>HM518445</b>	<b>HM518410</b>	2.10	0.768
	161.925	47.625	48.260	38.100	3.6	3.2	273	391	2 400	3 200	<b>759</b>	<b>752</b>	2.50	1.59
	161.925	53.975	55.100	42.862	3.6	3.2	316	471	2 400	3 200	<b>6580R</b>	<b>6535</b>	3.09	1.65
<b>89.974</b>	146.975	40.000	40.000	32.500	7.1	3.6	206	310	2 500	3 300	<b>HM218248</b>	<b>HM218210</b>	1.66	0.784
<b>95.000</b>	150.000	35.000	34.000	27.000	3.0	2.5	187	294	2 400	3 300	<b>JM719149</b>	<b>JM719113</b>	1.43	0.766
<b>95.250</b>	128.588	15.875	15.083	11.908	1.6	1.6	58.0	93.0	2 600	3 500	<b>LL319349</b>	<b>LL319310</b>	0.393	0.147
	147.638	35.717	36.322	26.192	5.2	0.8	183	287	2 400	3 300	<b>594A</b>	<b>592XE</b>	1.45	0.62
<b>100.000</b>	155.000	36.000	35.000	28.000	3.0	2.5	204	328	2 300	3 100	<b>JM720249</b>	<b>JM720210</b>	1.64	0.763
	160.000	41.000	40.000	32.000	3.0	2.5	237	378	2 300	3 000	<b>JHM720249</b>	<b>JHM720210</b>	2.11	0.964
<b>100.012</b>	157.162	36.512	36.116	26.195	3.6	3.2	180	288	2 300	3 000	<b>52393</b>	<b>52618</b>	1.74	0.694

Note 1) Laggers met het voorvoegsel J zijn volgens speciaal ontworpen nauwkeurigheid.

# Kegellagers inch series



**d 101.600 - 190.000 mm**

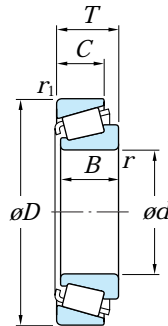


d	Afmetingen (mm)						Draaggetallen (kN)		Max. toeren-tallen (min <sup>-1</sup> )		Lagernr. <sup>1)</sup>		(Refer.) Gewicht (kg)	
	D	T	B	C	r min.	r <sub>1</sub> min.	C <sub>r</sub>	C <sub>0r</sub>	Smearing met vet olie		Cone	Cup	Cone	Cup
101.600	157.162	36.512	36.116	26.195	3.6	3.2	180	288	2 300	3 000	52400	52618	1.67	0.694
	157.162	36.512	36.116	26.195	7.9	3.2	180	288	2 300	3 000	52401	52618	1.64	0.694
	168.275	41.275	41.275	30.162	3.6	3.2	224	349	2 200	3 000	687	672	2.15	1.22
101.600	180.975	47.625	48.006	38.100	3.6	3.2	288	438	2 100	2 800	780	772	3.09	1.92
	190.500	57.150	57.531	44.450	7.9	3.2	385	565	2 100	2 700	861R	854	4.20	2.66
	190.500	57.150	57.531	46.038	7.9	3.2	440	602	2 000	2 700	HH221449	HH221410	4.72	2.21
104.775	180.975	47.625	48.006	38.100	3.6	3.2	288	438	2 100	2 800	782	772	2.90	1.92
106.362	165.100	36.512	36.512	26.988	3.6	3.2	195	325	2 200	2 900	56418R	56650	1.84	0.852
107.950	146.050	21.432	21.432	16.670	1.6	1.6	86.4	167	2 300	3 100	L521949R	L521910	0.665	0.325
	158.750	23.020	21.438	15.875	3.6	3.2	104	169	2 200	3 000	37425	37625	0.893	0.484
	165.100	36.512	36.512	26.988	3.6	3.2	195	325	2 200	2 900	56425R	56650	1.76	0.852
109.538	158.750	23.020	21.438	15.875	6.4	6.4	104	169	2 200	3 000	37431	37625	0.848	0.484
109.987	159.987	34.925	34.925	26.988	3.6	3.2	184	319	2 200	2 900	LM522549	LM522510	1.55	0.784
110.000	165.000	35.000	35.000	26.500	3.0	2.5	195	325	2 200	2 900	JM822049	JM822010	1.64	0.826
114.300	177.800	41.275	41.275	30.162	3.6	3.2	234	380	2 000	2 700	64450R	64700	2.45	1.10
	190.500	47.625	49.212	34.925	3.6	3.2	303	483	1 900	2 600	71450	71750	3.33	1.72
	212.725	66.675	66.675	53.975	7.1	3.2	513	699	1 800	2 400	HH224346	HH224310	6.64	3.03
	212.725	66.675	66.675	53.975	7.1	3.2	450	674	1 800	2 400	938	932	5.96	4.07
	228.600	53.975	49.428	38.100	3.6	3.2	430	651	1 300	1 900	HM926740	HM926710	7.26	2.78
114.976	212.725	66.675	66.675	53.975	7.1	3.2	513	699	1 800	2 400	HH224349	HH224310	6.58	3.03
115.087	190.500	47.625	49.212	34.925	3.6	3.2	303	483	1 900	2 600	71453	71750	3.28	1.72
117.475	180.975	34.925	31.750	25.400	3.6	3.2	171	247	2 000	2 700	68462	68712	1.75	1.04
170.000	230.000	39.000	38.000	31.000	3.0	2.5	291	558	1 400	1 900	JHM534149	JHM534110	3.17	1.29
180.000	250.000	47.000	45.000	37.000	3.0	2.5	365	705	1 300	1 700	JM736149	JM736110	4.47	2.10
190.000	260.000	46.000	44.000	36.500	3.0	2.5	369	723	1 200	1 700	JM738249	JM738210	4.71	2.18

Note 1) Laggers met het voorvoegsel J zijn volgens speciaal ontworpen nauwkeurigheid.

Kegellagers  
inch series

***d* 196.850 - 200.000 mm**



Afmetingen (mm)							Draaggetallen (kN)		Max. toeren-tallen (min <sup>-1</sup> )		Lagernr. <sup>1)</sup>		(Refer.) Gewicht (kg)	
<i>d</i>	<i>D</i>	<i>T</i>	<i>B</i>	<i>C</i>	<i>r</i> <sub>min.</sub>	<i>r</i> <sub>1 min.</sub>	<i>C</i> <sub>r</sub>	<i>C</i> <sub>0r</sub>	Smering met vet olie		Cone	Cup	Cone	Cup
<b>196.850</b>	254.000	28.575	27.783	21.433	1.6	1.6	188	387	1 200	1 600	<b>L540049</b>	<b>L540010</b>	2.34	1.02
<b>200.000</b>	300.000	65.000	62.000	51.000	3.6	2.5	617	1 140	1 100	1 500	<b>JHM840449</b>	<b>JHM840410</b>	9.97	5.13

Note 1) Lagers met het voorvoegsel J zijn volgens speciaal ontworpen nauwkeurigheid.