

SKF to FULL Bearing Cross Reference Chart

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SKF to FULL cross reference chart: 6000, 6200 and 6300 series

FULL (open / ZZ / 2RS)	d × D × B mm (FULL catalog)	SKF open	SKF shielded	SKF contact seal	SKF C3 example
6000 / 6000ZZ / 6000-2RS	10 × 26 × 8	6000	6000-2Z	6000-2RSH	6000-2RSH/C3
6001 / 6001ZZ / 6001-2RS	12 × 28 × 8	6001	6001-2Z	6001-2RSH	6001-2RSH/C3
6002 / 6002ZZ / 6002-2RS	15 × 32 × 9	6002	6002-2Z	6002-2RSH	6002-2RSH/C3
6003 / 6003ZZ / 6003-2RS	17 × 35 × 10	6003	6003-2Z	6003-2RSH	6003-2RSH/C3
6004 / 6004ZZ / 6004-2RS	20 × 42 × 12	6004	6004-2Z	6004-2RSH	6004-2RSH/C3
6005 / 6005ZZ / 6005-2RS	25 × 47 × 12	6005	6005-2Z	6005-2RSH	6005-2RSH/C3
6006 / 6006ZZ / 6006-2RS	30 × 55 × 13	6006	6006-2Z	6006-2RS1	6006-2RS1/C3
6007 / 6007ZZ / 6007-2RS	35 × 62 × 14	6007	6007-2Z	6007-2RS1	6007-2RS1/C3
6008 / 6008ZZ / 6008-2RS	40 × 68 × 15	6008	6008-2Z	6008-2RS1	6008-2RS1/C3
6009 / 6009ZZ / 6009-2RS	45 × 75 × 16	6009	6009-2Z	6009-2RS1	6009-2RS1/C3
6010 / 6010ZZ / 6010-2RS	50 × 80 × 16	6010	6010-2Z	6010-2RS1	6010-2RS1/C3
6200 / 6200ZZ / 6200-2RS	10 × 30 × 9	6200	6200-2Z	6200-2RSH	6200-2RSH/C3
6201 / 6201ZZ / 6201-2RS	12 × 32 × 10	6201	6201-2Z	6201-2RSH	6201-2RSH/C3
6202 / 6202ZZ / 6202-2RS	15 × 35 × 11	6202	6202-2Z	6202-2RSH	6202-2RSH/C3
6203 / 6203ZZ / 6203-2RS	17 × 40 × 12	6203	6203-2Z	6203-2RSH	6203-2RSH/C3
6204 / 6204ZZ / 6204-2RS	20 × 47 × 14	6204	6204-2Z	6204-2RSH	6204-2RSH/C3
6205 / 6205ZZ / 6205-2RS	25 × 52 × 15	6205	6205-2Z	6205-2RSH	6205-2RSH/C3
6206 / 6206ZZ / 6206-2RS	30 × 62 × 16	6206	6206-2Z	6206-2RS1	6206-2RS1/C3
6207 / 6207ZZ / 6207-2RS	35 × 72 × 17	6207	6207-2Z	6207-2RSH or 6207-2RS1	6207-2RS1/C3

FULI (open / ZZ / 2RS)	d × D × B mm (FULI catalog)	SKF open	SKF shielded	SKF contact seal	SKF C3 example
6208 / 6208ZZ / 6208-2RS	40 × 80 × 18	6208	6208-2Z	6208-2RS1	6208-2RS1/C3
6209 / 6209ZZ / 6209-2RS	45 × 85 × 19	6209	6209-2Z	6209-2RS1	6209-2RS1/C3
6210 / 6210ZZ / 6210-2RS	50 × 90 × 20	6210	6210-2Z	6210-2RSH or 6210-2RS1	6210-2RS1/C3
6211 / 6211ZZ / 6211-2RS	55 × 100 × 21	6211	6211-2Z	6211-2RS1	6211-2RS1/C3
6212 / 6212ZZ / 6212-2RS	60 × 110 × 22	6212	6212-2Z	6212-2RS1	6212-2RS1/C3
6300 / 6300ZZ / 6300-2RS	10 × 35 × 11	6300	6300-2Z	6300-2RSH	6300-2RSH/C3
6301 / 6301ZZ / 6301-2RS	12 × 37 × 12	6301	6301-2Z	6301-2RSH	6301-2RSH/C3
6302 / 6302ZZ / 6302-2RS	15 × 42 × 13	6302	6302-2Z	6302-2RSH	6302-2RSH/C3
6303 / 6303ZZ / 6303-2RS	17 × 47 × 14	6303	6303-2Z	6303-2RSH	6303-2RSH/C3
6304 / 6304ZZ / 6304-2RS	20 × 52 × 15	6304	6304-2Z	6304-2RSH	6304-2RSH/C3
6305 / 6305ZZ / 6305-2RS	25 × 62 × 17	6305	6305-2Z	6305-2RS1	6305-2RS1/C3
6306 / 6306ZZ / 6306-2RS	30 × 72 × 19	6306	6306-2Z	6306-2RS1	6306-2RS1/C3
6307 / 6307ZZ / 6307-2RS	35 × 80 × 21	6307	6307-2Z	6307-2RS1	6307-2RS1/C3
6308 / 6308ZZ / 6308-2RS	40 × 90 × 23	6308	6308-2Z	6308-2RS1	6308-2RS1/C3
6309 / 6309ZZ / 6309-2RS	45 × 100 × 25	6309	6309-2Z	6309-2RSH or 6309-2RS1	6309-2RS1/C3
6310 / 6310ZZ / 6310-2RS	50 × 110 × 27	6310	6310-2Z	6310-2RS1	6310-2RS1/C3

Dimensions are from the FULI catalog. SKF numbers are from SKF product pages; sources are listed at the end of the page. The C3 column shows how SKF writes the C3 version; for FULI, C3 is on request. If a cell shows "ask us", send us the SKF number and we will check it.

FAG numbers in the same sizes

FAG is a Schaeffler brand. Current FAG deep groove ball bearings carry the Generation C designation, for example 6205-C, 6205-C-2Z and 6205-C-2HRS. The chart lists only current -C numbers.

FULI (open / ZZ / 2RS)	d × D × B mm (FULI catalog)	FAG open	FAG shielded	FAG sealed	FAG C3 example
6000 / 6000ZZ / 6000-2RS	10 × 26 × 8	6000-C	6000-C-2Z	6000-C-2HRS	6000-C-2HRS-C3
6001 / 6001ZZ / 6001-2RS	12 × 28 × 8	6001-C	6001-C-2Z	6001-C-2HRS	6001-C-2HRS-C3
6002 / 6002ZZ / 6002-2RS	15 × 32 × 9	6002-C	6002-C-2Z	6002-C-2HRS	6002-C-2HRS-C3

FULI (open / ZZ / 2RS)	d × D × B mm (FULI catalog)	FAG open	FAG shielded	FAG sealed	FAG C3 example
6003 / 6003ZZ / 6003-2RS	17 × 35 × 10	—	—	—	—
6004 / 6004ZZ / 6004-2RS	20 × 42 × 12	6004-C	6004-C-2Z	6004-C-2HRS	6004-C-2HRS-C3
6005 / 6005ZZ / 6005-2RS	25 × 47 × 12	6005-C	6005-C-2Z	6005-C-2HRS	6005-C-2HRS-C3
6006 / 6006ZZ / 6006-2RS	30 × 55 × 13	6006-C	6006-C-2Z	6006-C-2HRS	6006-C-2HRS-C3
6007 / 6007ZZ / 6007-2RS	35 × 62 × 14	6007-C	6007-C-2Z	6007-C-2HRS	6007-C-2HRS-C3
6008 / 6008ZZ / 6008-2RS	40 × 68 × 15	—	—	—	—
6009 / 6009ZZ / 6009-2RS	45 × 75 × 16	—	—	—	—
6010 / 6010ZZ / 6010-2RS	50 × 80 × 16	—	—	—	—
6200 / 6200ZZ / 6200-2RS	10 × 30 × 9	6200-C	6200-C-2Z	6200-C-2HRS	6200-C-2HRS-C3
6201 / 6201ZZ / 6201-2RS	12 × 32 × 10	6201-C	6201-C-2Z	6201-C-2HRS	6201-C-2HRS-C3
6202 / 6202ZZ / 6202-2RS	15 × 35 × 11	6202-C	6202-C-2Z	6202-C-2HRS	6202-C-2HRS-C3
6203 / 6203ZZ / 6203-2RS	17 × 40 × 12	6203-C	6203-C-2Z	6203-C-2HRS	6203-C-2HRS-C3
6204 / 6204ZZ / 6204-2RS	20 × 47 × 14	6204-C	6204-C-2Z	6204-C-2HRS	6204-C-2HRS-C3
6205 / 6205ZZ / 6205-2RS	25 × 52 × 15	6205-C	6205-C-2Z	6205-C-2HRS	6205-C-2HRS-C3
6206 / 6206ZZ / 6206-2RS	30 × 62 × 16	6206-C	6206-C-2Z	6206-C-2HRS	6206-C-2HRS-C3
6207 / 6207ZZ / 6207-2RS	35 × 72 × 17	6207-C	6207-C-2Z	6207-C-2HRS	6207-C-2HRS-C3
6208 / 6208ZZ / 6208-2RS	40 × 80 × 18	6208-C	6208-C-2Z	6208-C-2HRS	6208-C-2HRS-C3
6209 / 6209ZZ / 6209-2RS	45 × 85 × 19	6209-C	6209-C-2Z	6209-C-2HRS	6209-C-2HRS-C3
6210 / 6210ZZ / 6210-2RS	50 × 90 × 20	6210-C	6210-C-2Z	6210-C-2HRS	6210-C-2HRS-C3
6211 / 6211ZZ / 6211-2RS	55 × 100 × 21	6211-C	6211-C-2Z	6211-C-2HRS	6211-C-2HRS-C3
6212 / 6212ZZ / 6212-2RS	60 × 110 × 22	—	—	—	—
6300 / 6300ZZ / 6300-2RS	10 × 35 × 11	—	—	—	—
6301 / 6301ZZ / 6301-2RS	12 × 37 × 12	6301-C	6301-C-2Z	6301-C-2HRS	6301-C-2HRS-C3
6302 / 6302ZZ / 6302-2RS	15 × 42 × 13	6302-C	6302-C-2Z	6302-C-2HRS	6302-C-2HRS-C3
6303 / 6303ZZ / 6303-2RS	17 × 47 × 14	6303-C	6303-C-2Z	6303-C-2HRS	6303-C-2HRS-C3
6304 / 6304ZZ / 6304-2RS	20 × 52 × 15	6304-C	6304-C-2Z	6304-C-2HRS	6304-C-2HRS-C3
6305 / 6305ZZ / 6305-2RS	25 × 62 × 17	6305-C	6305-C-2Z	6305-C-2HRS	6305-C-2HRS-C3
6306 / 6306ZZ / 6306-2RS	30 × 72 × 19	6306-C	6306-C-2Z	6306-C-2HRS	6306-C-2HRS-C3
6307 / 6307ZZ / 6307-2RS	35 × 80 × 21	6307-C	6307-C-2Z	6307-C-2HRS	6307-C-2HRS-C3
6308 / 6308ZZ / 6308-2RS	40 × 90 × 23	6308-C	6308-C-2Z	6308-C-2HRS	6308-C-2HRS-C3
6309 / 6309ZZ / 6309-2RS	45 × 100 × 25	6309-C	6309-C-2Z	6309-C-2HRS	6309-C-2HRS-C3
6310 / 6310ZZ / 6310-2RS	50 × 110 × 27	6310-C	6310-C-2Z	6310-C-2HRS	6310-C-2HRS-C3

A dash (—) in the FAG chart means we did not find a current -C number for that size. Send us the FAG number you have and we will check it.

How SKF writes C3

SKF separates the clearance suffix with an oblique stroke: 6205-2RSH/C3, 6205-2Z/C3, 6205/C3. The SKF basic designation system lists "Space, oblique stroke or hyphen" as the separators. FULI writes 6205-2RS C3. Radial clearance is C0 as standard and C3 on request.

SKF tapered and spherical roller bearings

The suffixes on SKF roller bearings mark the internal design, cage, bore and lubrication features. They are not seal codes. The meanings below are from the SKF product catalog and the SKF spherical roller bearing catalog listed in Sources.

Tapered roller bearings: J2/Q and B

SKF's catalog table lists metric tapered roller bearings by the basic number, for example 30205. The number you see on a box or an invoice usually adds J2/Q:

SKF suffix	SKF meaning	FULI
J2	Pressed steel cage, rolling element guided	Same basic number
Q	Improved friction torque characteristics and raceway geometry	Same basic number
B	Larger contact angle than standard	Ask us

SKF number	FULI	Note
30205 J2/Q	30205	Same d × D × T, 25 × 52 × 16.25 mm
30210 J2/Q	30210	Same d × D × T
32205 BJ2/Q	32205	d, D and T match; SKF's contact angle is larger. SKF does not list a standard-angle 32205

All 18 sizes with the SKF, Timken, NSK, NTN, Koyo and FAG numbers are in the [Timken tapered roller table](#).

Spherical roller bearings: E, CC/W33 and K

SKF suffix	SKF meaning	What to tell us
E	Optimized internal design for increased load carrying capacity	Same basic number
CC	Flangeless inner ring, guide ring centred on the inner ring, two stamped steel cages	Same basic number
K	Tapered bore, taper 1:12	Ask for the tapered-bore version
W33	Annular groove and three lubrication holes in the outer ring	Ask for groove and holes
C3	Radial internal clearance greater than Normal	Ask for C3

SKF E design bearings have the oil groove and three lubrication holes as standard, so SKF does not add W33 to an E number: 22205 E already has them. A CC design bearing shows them as /W33, for example 23022 CC/W33. FAG E1 bearings also have the groove and holes without a suffix. NSK writes E4, NTN writes D1, and Koyo and NACHI write W33.

SKF number	FULI	Note
22205 E	22205	Cylindrical bore
22205 EK	22205	Tapered bore (K, 1:12): ask us for the FULI tapered-bore version
23022 CC/W33	23022	Cylindrical bore, groove and holes
23022 CCK/W33	23022	Tapered bore: ask us

All 13 spherical sizes with the SKF, NSK, NTN, Koyo, NACHI and FAG numbers are in the [spherical roller bearing table](#).

Send your SKF part list

Paste the SKF numbers with full suffixes and quantities. We reply with the FULI number for each line, price and lead time. Email sales@fuli-bearings.com or use the [contact form](#).

Online version of this chart: <https://www.fuli-bearings.com/products/bearing-cross-reference/skf-bearing-cross-reference/>

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