



SLOVENSKI STANDARD
SIST ISO 355:2001/ADD1:2001
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?cHJb]`YyU]!`Glcÿ Ugh]_cHJb]`YyU]`a Yfg_Y`j fghY!`; `Uj bY`a YfY]b`cnbU VY
a Yfg_]`j fgh!`8cXUHY`_%

Rolling bearings - Metric tapered roller bearings - Boundary dimensions and series
designation - Addendum 1

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Ta slovenski standard je istoveten z: ~~SIST ISO 355:2001/ADD1:2001~~ **ISO 355:1977/Add 1:1980**
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ICS:

21.100.20 Kotalni ležaji Rolling bearings

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Metric tapered roller bearings — Double row bearings — Boundary dimensions

ADDENDUM 1

Addendum 1 to International Standard ISO 355-1977 was developed by Technical Committee ISO/TC 4, *Rolling bearings*, and was circulated to the member bodies in March 1979.

It has been approved by the member bodies of the following countries :

Australia	Hungary	Romania
Austria	India	South Africa, Rep. of
Canada	Italy	Spain
Chile	Japan	Sweden
China	Korea, Rep. of	Switzerland
Czechoslovakia	Libyan Arab Jamahiriya	United Kingdom
Egypt, Arab Rep. of	Mexico	USA
France	Netherlands	USSR
Germany, F. R.	Poland	

No member body expressed disapproval of the document

1 Scope and field of application

This Addendum to ISO 355 specifies bearing width and cup width for double row metric tapered roller bearings.

Other boundary dimensions, which are identical to those of single row bearings of the same dimension series and with the same bearing bore diameter, are given in ISO 355. Tolerances are given in ISO/R 492 and ISO 582.

2 References

ISO 355, *Rolling bearings — Metric tapered roller bearings — Boundary dimensions and series designations.*

ISO/R 492, *Rolling bearings — Radial bearings — Tolerances.*

ISO 582, *Rolling bearings — Metric series bearings — Chamfer dimension limits.*

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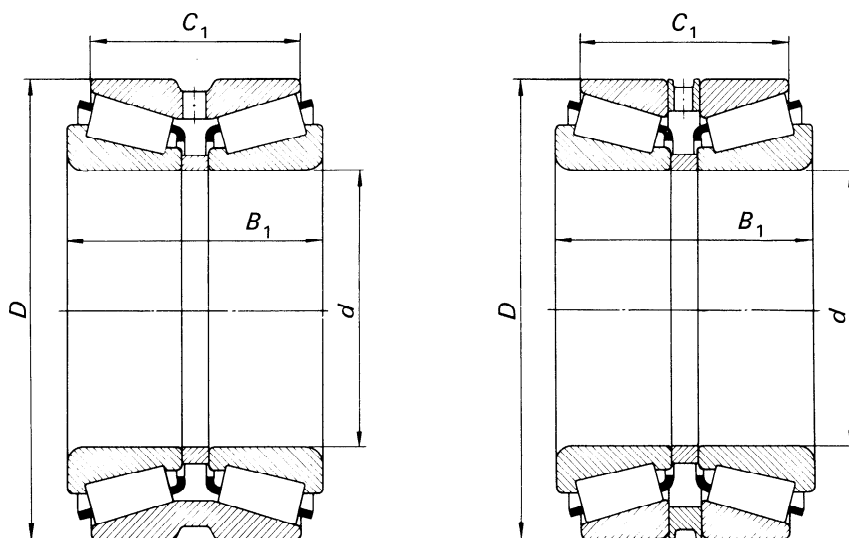
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Descriptors : rolling bearings, roller bearings, taper roller bearings, specifications, dimensions, designations.

Price based on 6 pages

ISO 355-1977/Add. 1-1980 (E)

3 Symbols



d = bearing bore diameter, nominal

D = bearing outside diameter, nominal

B_1 = bearing width, nominal

C_1 = double cup width or width over two single cups and spacer, nominal

The double row bearing cup or cup spacer may, or may not, have a lubrication groove and holes as identified by the bearing designation.

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4 Bearing dimensions

Tables 1 to 4 give B_1 and C_1 for double row metric tapered roller bearings grouped by contact angle series.

The bearing outside diameter D and the dimension series designation, also included in the tables, are identical to those of the corresponding single row bearing in ISO 355.

Table 1 – Contact angle series 2

Dimensions in millimetres					Dimensions in millimetres				
d	D	B_1	C_1	Dimension series	d	D	B_1	C_1	Dimension series
20	45	39	32	2DC	95	140	64	54	2CC
	50	50	43	2ED		145	76	64	64
22	47	39	32	2CC	100	160	104	88	2ED
	52	50	43	2ED		145	64	54	2DC
25	50	39	32	2CC		150	76	64	2CD
	58	58	48	2EE	165	104	88	2EE	
28	55	43	36	2CD	105	155	74	62	2CD
	65	61	51	2ED		160	84	70	2DD
30	58	44	37	2CD		170	104	88	2EE
	68	65	55	2EE	110	160	74	62	2CD
32	62	47	39	2CD		165	84	70	2DD
	72	65	55	2ED		175	104	88	2EE
35	68	51	42	2DD	120	175	82	68	2DC
	78	73	61	2EE		180	92	76	2DD
40	75	53	44	2CD		190	110	92	2EE
	85	73	63	2EE	130	185	82	68	2DC
45	80	53	44	2CD		190	92	76	2DD
	95	79	67	2ED		200	110	92	2DE
50	85	53	44	2CD	140	200	88	72	2DC
	100	79	67	2ED		205	98	82	2DD
55	85	41	33	2CC		215	116	98	2ED
	95	60	49	2CD	150	215	98	82	2DD
110	87	73	2ED	225		116	98	2ED	
60	90	42	34	2CC		160	225	98	82
	100	60	49	2CD	235		116	98	2ED
	115	88	74	2EE	170	235	98	82	2DD
65	100	50	41	2CC		245	116	98	2ED
	110	70	58	2DD	180	240	88	72	2DC
	125	95	79	2FD		245	98	82	2DD
70	105	50	41	2CC	255	116	98	2ED	
	120	76	62	2DD	190	255	92	76	2DC
	130	95	79	2ED		260	104	86	2DD
75	115	56	46	2CC		270	124	104	2ED
	125	76	62	2DD	200	265	92	76	2DC
	135	95	79	2ED		270	104	86	2DD
80	120	56	46	2CC		280	124	104	2ED
	130	76	62	2DD	220	285	92	76	2DC
	145	104	88	2ED		290	104	86	2DD
85	125	58	48	2CC		300	124	104	2ED
	135	76	64	2DD	240	290	104	86	2DD
	150	104	88	2ED		300	124	104	2ED
90	135	64	54	2CC		260	325	92	76
	140	76	64	2CD	330		104	86	2DD
	155	104	88	2ED	340		126	104	2DE
95	140	64	54	2CC	280	360	126	104	2DE
	145	76	64	2CD					
	160	104	88	2ED					

Table 2 – Contact angle series 3

Dimensions in millimetres

d	D	B_1	C_1	Dimension series
20	42	34	28	3CC
22	44	34	27	3CC
40	68	44	35	3CD
45	75	46	37	3CC
50	80	46	37	3CC
55	90	52	41	3CC
65	135	112	94	3FE
75	145	112	94	3FE
80	125	66	52	3CC
85	160	118	98	3FE
90	140	73	57	3CC
110	190	126	104	3FE
130	210	126	104	3EE
150	235	132	110	3EE
170	255	132	110	3EE
180	280	142	110	3FD
190	280	140	116	3EE

Table 3 – Contact angle series 4

Dimensions in millimetres

Dimensions in millimetres

d	D	B_1	C_1	Dimension series
25	47	34	27	4CC
28	52	37	29	4CC
30	55	39	31	4CC
32	58	39	31	4CC
35	62	41	33	4CC
50	105	88	74	4FE
55	115	95	81	4FE
60	95	52	41	4CC
60	125	104	88	4FE
65	100	52	41	4CC
70	110	57	45	4CC
70	140	112	94	4FE
75	115	58	46	4CC
80	150	112	94	4FE
85	130	67	53	4CC
90	165	120	100	4FE
95	145	73	57	4CC
95	170	120	100	4FE
100	150	73	57	4CC
100	175	120	100	4FE
105	160	80	62	4DC
105	180	120	100	4EE

d	D	B_1	C_1	Dimension series
110	170	86	68	4DC
120	180	88	70	4DC
120	200	126	104	4FE
130	200	102	80	4EC
140	210	104	82	4DC
140	220	126	104	4EE
150	225	110	86	4EC
160	240	116	90	4EC
160	245	132	110	4EE
170	260	128	100	4EC
180	265	132	110	4EE
190	290	142	110	4FD
200	290	140	116	4EE
200	310	154	120	4FD
220	340	166	128	4FD
240	360	166	128	4FD
260	400	190	146	4FC
280	420	190	146	4FC
300	460	220	168	4GD
320	480	220	168	4GD

Table 4 — Contact angle series 7

Dimensions in millimetres

d	D	B_1	C_1	Dimension series
25	62	42	31,5	7FB
30	72	47	33,5	7FB
35	80	51	35,5	7FB
40	90	56	39,5	7FB
45	95	63	45	7FC
	100	60	41,5	7FB
50	105	69	49	7FC
	110	64	43,5	7FB
55	115	73	52	7FC
	120	70	49	7FB
60	125	79	57	7FC
	130	74	51	7FB
65	130	79	57	7FC
	140	79	53	7GB
70	140	83	59	7FC
	150	83	57	7GB
75	150	89	63	7FC
	160	88	60	7GB
80	160	95	67	7FC
	170	94	63	7GB
85	170	102	72	7FC
	180	99	66	7GB
90	175	102	72	7FC
	190	103	70	7GB
95	180	104	72	7FC
	200	109	74	7GB
100	190	110	76	7FC
	215	124	81	7GB
105	200	114	80	7FC
	225	127	83	7GB
110	210	120	84	7GC
	240	137	87	7GB
120	220	120	84	7FC
	260	148	96	7GB
130	230	120	84	7FC
	280	156	100	7GB
140	240	120	84	7FC
	300	168	108	7GB
150	250	120	84	7FC
	320	178	114	7GB