Single row, with filling slot, full type, according to specification EN 3280 / EN2063.

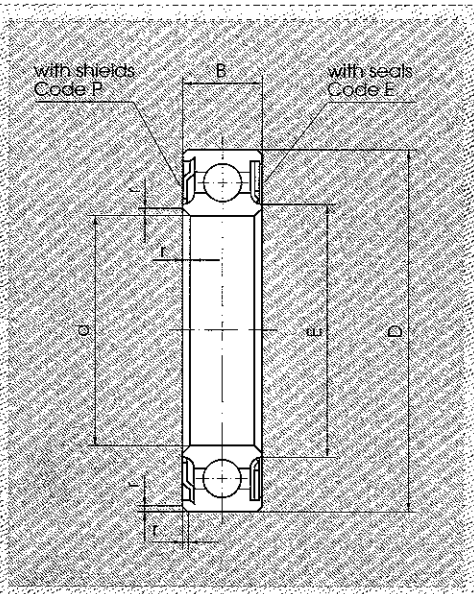
Series: **EN 3281 E / EN 2009 E**
Material: EN 2031 (1.3505.9)
Seals: PTFE
Seal Retainers: Stainless Steel

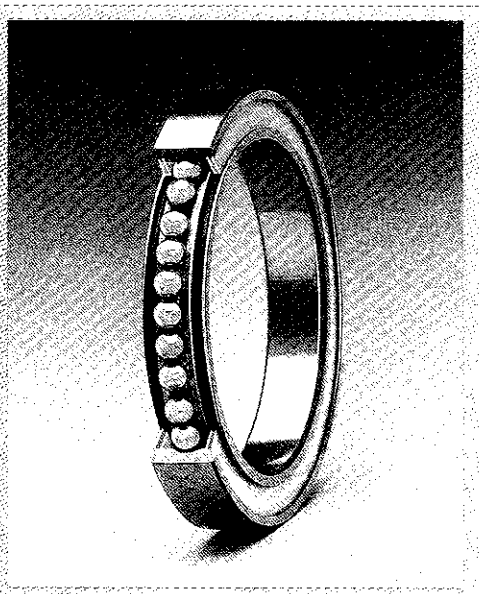
Series: **EN 3281 P / EN 2009 P**
Material: EN 2031 (1.3505.9)
Shields: Stainless Steel

Series: **EN 3282 E / EN 2010 E**
Material: EN 2031 (1.3505.9) Cadmium plated except bore; yellow-passivated
Seals: PTFE
Seal Retainers: Stainless Steel

Series: **EN 3282 P / EN 2010 P**
Material: EN 2031 (1.3505.9) Cadmium plated except bore; yellow-passivated
Shields: Stainless Steel

Series: **EN 3283 E / EN 2011 E**
Material: EN 2030 (1.3544.9)
Seals: PTFE
Seal Retainers: Stainless Steel





Series: **EN 3283 P / EN 2011 P**
Material: EN 2030 (1.3544.9)
Shields: Stainless Steel

Series: **EN 4033 E**
Material: EN 2030 (1.3544.9)
Seals: PTFE
Seal Retainers: Stainless Steel

Series: **EN 4033 P**
Material: EN 2030 (1.3544.9)
Shields: Stainless Steel

Dimensions in millimetres

Dash No.	d	Δdmp µm	D	ΔDmp µm	B	ΔBmp µm	E	r x 45°	Internal clearances µm Axial max.	Radial	EN 4033 Radial	Runout tolerances µm max. Axial d S_{ia}	Axial D S_{ea}	Radial d K_{ia}	Radial D K_{ea}	Starting torque in mN.m [1] Shields	Seals	Permissible static radial load C_s in kN	Mass g
10	10		22		6		13,0			2 to 13						4,5	12	10,6	11
12	12	0	24	0	6		15,0			3	2					5,0	13	12,3	13
15	15	-8	28	-9	7		17,6			to	to					5,5	14	16,2	16
17	17		30		7		19,6			18	7					6,0	15	17,6	18
20	20		32		7	0	23,0	0,3	100	5						6,5	16	17,3	20
25	25	0	37	0	7		28,1	to		to		40	40	25	40	8,5	18	21,5	23
30	30	-10	42	-11	7	-120	33,1	-0,8		20	2					14,0	20	24,5	26
35	35		47		7		38,3			6	to					18,0	23	28,4	30
40	40	0	52		7		43,3			to 20	9					22,0	29	31,8	38
50	50	-12	65	0	7		53,0		120	6 to 23						32,0	47	43,1	55
60	60	0 - 15	78	-13	10		63,5		150	8 to 28						55,0	77	70,0	100

$F_{a\ max.} = \frac{C_s}{Y_s}$ where Y_s = 2,2; Axial and radial loads may be applied simultaneously.

For ultimate static loads, see EN 3280 / EN 2063

1) Definition: see EN 3280

Designation

Each bearing is designated as in the following example:

EN 3281 A 20 E
Number of EN Standard
A = Grease type
E = Sealed type
20 = Dash No.

EN 4033 A 20 E T _ T = Passivated ISO 8075
Number of EN Standard
A = Grease type
E = Sealed type
20 = Dash No.

A = Grease NATO G 354/MIL-G-23 827; B = NATO G 395/MIL-G-81 322

BALL BEARINGS

Single row, with filling slot, full type, according to specification EN 3280 / EN2063.

Series: **EN 3284 E / EN 2012 E**
Material: EN 2031 (1.3505.9)
Seals: PTFE
Seal Retainers: Stainless Steel

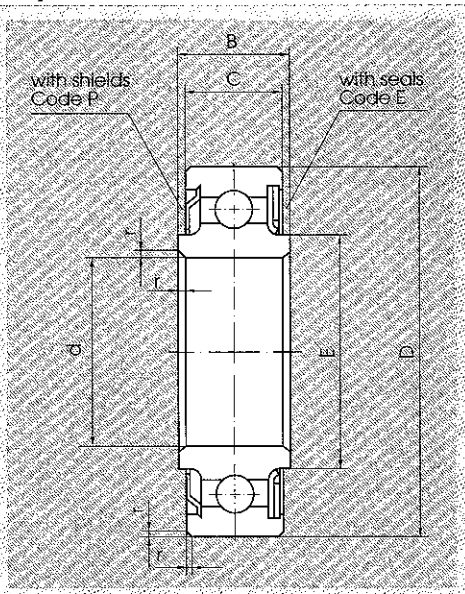
Series: **EN 3284 P / EN 2012 P**
Material: EN 2031 (1.3505.9)
Shields: Stainless Steel

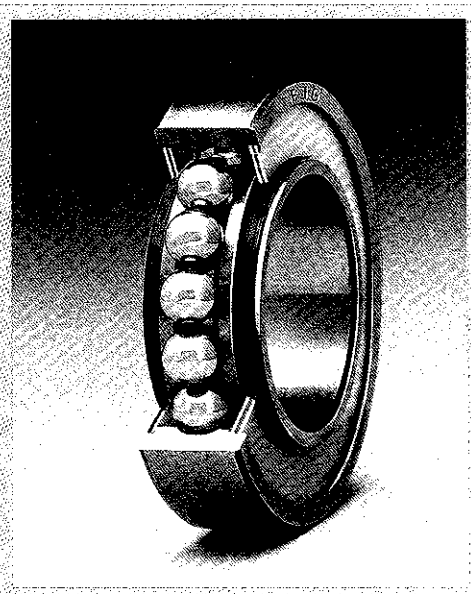
Series: **EN 3285 E / EN 2013 E**
Material: EN 2031 (1.3505.9) Cadmium plated except bore; yellow-passivated
Seals: PTFE
Seal Retainers: Stainless Steel

Series: **EN 3285 P / EN 2013 P**
Material: EN 2031 (1.3505.9) Cadmium plated except bore; yellow-passivated
Shields: Stainless Steel

Series: **EN 3286 E / EN 2014 E**
Material: EN 2030 (1.3544.9)
Seals: PTFE
Seal Retainers: Stainless Steel

Series: **EN 3286 P / EN 2014 P**
Material: EN 2030 (1.3544.9)
Shields: Stainless Steel





Dimensions in millimetres

Dash No.	d	Δdmp µm	D	ΔDmp µm	B	ΔBmp µm	C	ΔCmp µm	E	r x 45°	Out of round µm Δds	Out of round µm ΔDs	Internal clearance µm Axial max.	Internal clearance µm Radial	Runout tolerances µm max. Axial d S_{ia}	Runout tolerances µm max. Axial D S_{ea}	Runout tolerances µm max. Radial d K_{ia}	Runout tolerances µm max. Radial D K_{ea}	Starting torque [1] in mN.m Shields	Starting torque [1] in mN.m Seals	Permissible static radial load C_s in kN	Mass g
05	5		16	0 - 8	7		5		7,6			+2-10		2					2,0	4,0	6,8	4
06	6		19		8		6		8,6		+2		100	to					2,5	5,0	9,2	9
08	8	0	22	0	9		7		10,6		-10	+2		13					3,0	6,5	11,8	12
10	10	-8	26	-9	10		8		12,6	0,3		-11							4,0	7,5	17,0	21
12	12		28		10	0	8	0	14,7	to				3					5,0	8,5	19,5	24
15	15		32		11	-120	9	-120	17,7	0,8	+3 -11			to	40	40	25	40	6,0	10,0	23,3	32
17	17		35	0	12		10		20,2			+3	120	18					8,0	12,0	26,9	42
20	20		42	-11	14		12		23,5			-14		5					10,5	15,0	41,2	72
25	25	0	47		14		12		28,6		+3 -13			to					13,5	18,0	46,6	85
30	30	-10	55	0 -13	15		13		34,1	0,3 to 1		+4-17	150	20					19,0	25,0	62,6	123

$F_{a\ max.} = \frac{C_s}{Y_s}$ where Y_s = 2,2; Axial and radial loads may be applied simultaneously.

For ultimate static loads, see EN 3280 / EN 2063
1) Definition: see EN 3280

Designation

Each bearing is designated as in the following example:

EN 3284 A 20 E

Number of EN Standard
A = Grease type
E = Sealed type
20 = Dash No.

A = Grease NATO G 354/MIL-G-23 827; B = NATO G 395/MIL-G-81 322

Self aligning, full type, double row, according to specification EN 3280 / EN2063.

Series: **EN 3287 E / EN 2015 E**
Material: EN 2031 (1.3505.9)
Seals: PTFE
Seal Retainers: Stainless Steel

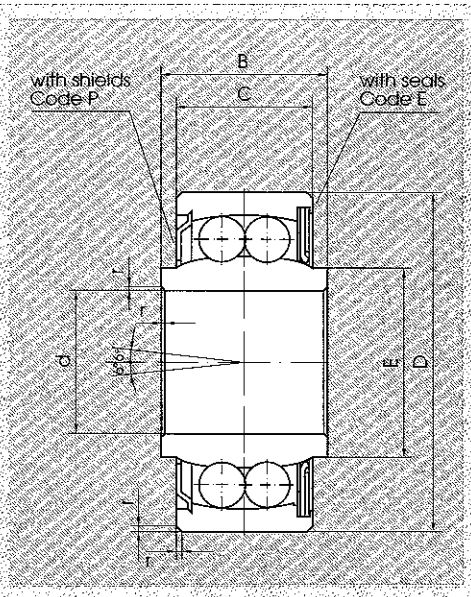
Series: **EN 3287 P / EN 2015 P**
Material: EN 2031 (1.3505.9)
Shields: Stainless Steel

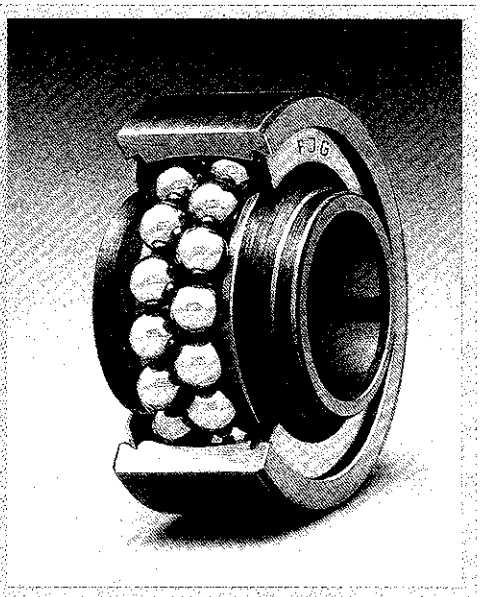
Series: **EN 3288 E / EN 2016 E**
Material: EN 2031 (1.3505.9) Cadmium plated except bore; yellow-passivated
Seals: PTFE
Seal Retainers: Stainless Steel

Series: **EN 3288 P / EN 2016 P**
Material: EN 2031 (1.3505.9) Cadmium plated except bore; yellow-passivated
Shields: Stainless Steel

Series: **EN 3289 E / EN 2017 E**
Material: EN 2030 (1.3544.9)
Seals: PTFE
Seal Retainers: Stainless Steel

Series: **EN 3289 P / EN 2017 P**
Material: EN 2030 (1.3544.9)
Shields: Stainless Steel





Dimensions in millimetres

Dash No.	d	Δdmp µm	D	ΔDmp µm	B	ΔBmp µm	C	ΔCmp µm	E	r x 45°	Out of round µm Δds	Out of round µm ΔDs	Internal clearance in µm Axial max. Group special	Axial max. Group normal	Axial max. Group 3	Radial Group special	Radial Group normal	Radial Group 3	Radial runout tolerances µm max. d K_{ia}	Radial runout tolerances µm max. D K_{ea}	Starting torque [1] in mN.m Shields	Starting torque [1] in mN.m Seals	Permissible static radial load C_s in kN	Mass g
05	5		16	0 - 8	12		8		7,6			+2-10	70			2	2	2			4,0	8	3,7	9
06	6		19		14		10		8,6		+2					to 6	to	to			4,5	9	5,7	14
08	8	0	24	0	15		10		11,1		-10	+2				2	13	20			5,5	10	9,1	30
10	10	-8	30	-9	20	0	14	0	13,6	0,3		-11				to 7					7,5	12	14,1	57
12	12		32		20	-120	14	-120	15,4	to						3	3	13	25	40	9,0	14	16,1	62
15	15		35		20		14		18,5	0,8	+3	+3			120	to	to	to			12,0	18	18,8	75
17	17		40	0	22		16		21,2		-11	-14	80		160	9	18	23			18,0	25	24,3	110
20	20	0	47	-11	24		18		23,6		+3				180	5	5	15			23,0	35	32,6	170
		-10									-13					to 10	to 20	to 25						

$F_{a\,max.} = \frac{C_s}{Y_s}$ where $Y_s = 3,2$; $P_{or} = F_r + 3,2\,F_a$ where $P_{or} \leq C_s$

For ultimate static loads, see EN 3280 / EN 2063

1) Definition: see EN 3280

Designation

Each bearing is designated as in the following example:

EN 3287 A N 20 E

Number of EN Standard
A = Grease type
E = Sealed type
20 = Dash No.
N = Normal radial / axial internal clearance
L = Group 3 radial / axial internal clearance
R = Special radial / axial internal clearance

A = Grease NATO G 354/MIL-G-23 827; B = NATO G 395/MIL-G-81 322

BALL BEARINGS

Self aligning, full type, double row.

Series:	**NSA 8124**	**Series:**	**NSA 8124 C**	**Series:**	**ABS 0363 (60-2948)**
Material:	EN 2031 (1.3505.9) Cadmium plated except bore; yellow-passivated	Material:	EN 2030 (1.3544.9) Cadmium plated except bore; bright-passivated	Material:	EN 2030 (1.3544.9) Cadmium plated except bore; yellow-passivated
Seals:	PTFE	Seals:	PTFE	Seals:	PTFE
Seal Retainers:	Stainless Steel	Seal Retainers:	Stainless Steel	Seal Retainers:	Stainless Steel
Lubrication:	NATO G 354 / MIL-G-23 827	Lubrication:	NATO G 354 / MIL-G-23 827	Lubrication:	NATO G 395 / MIL-G-81 322

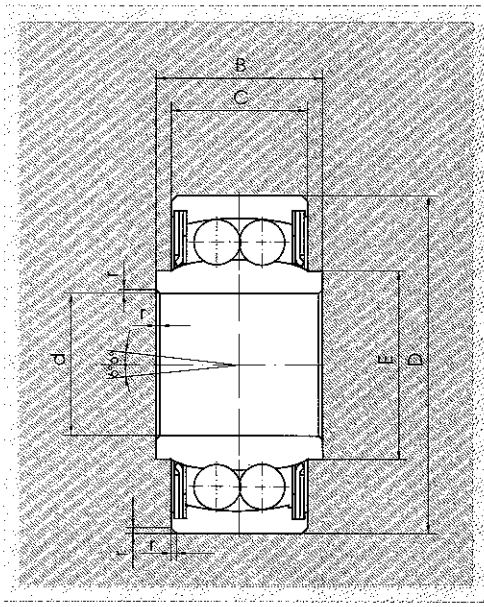
Dimensions in millimetres

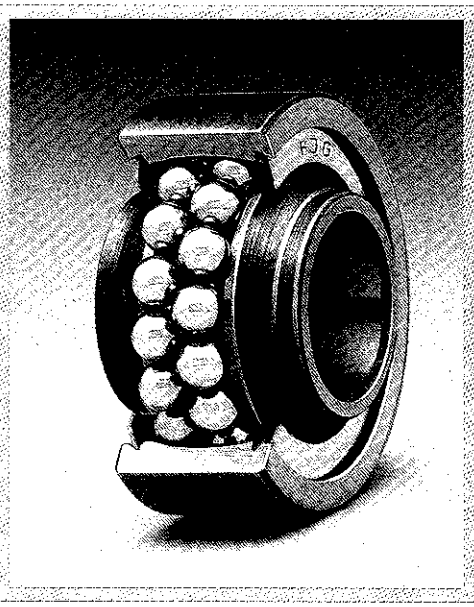
Dash No.	d	Δdmp µm	D	ΔDmp µm	B	ΔBmp µm	C	ΔCmp µm	E	r x 45°	Out of round µm Δds	Out of round µm ΔDs	Internal clearance in µm Axial max.	Internal clearance in µm Radial R [2]	Internal clearance in µm N	Radial runout tolerances µm max. d K_{ia}	Radial runout tolerances µm max. D K_{ea}	Starting torque [1] in mN.m	Permissible static radial load C_s in kN	Mass g
03	4,826		16	0-8	12		8		7,6	0,1			70	2				8	3,92	9
04	6,350		19		14		10		8,6	to 0,5	+2	+2		to 6	2			9	5,88	15
05	7,938		24	0	15		10		11,1		-10	-11		2	to			13	9,80	27
06	9,525	0	30	-9	20	0	14	0	13,6	0,3				to 7	13			16	14,11	57
08	12,700	-13	32		20	-120	14	-120	15,4	to	+3	+3				25	40	20	16,66	62
10	15,875		35	0	20		14		18,5	0,8	-11	-14	80	3	3			25	19,01	75
11	17,463		40	-11	22		16		21,2		+3-13			to	to			30	24,50	110
12	19,050		47		24		18		23,6					9	18			40	34,30	170

$F_{a\,max.} = \frac{C_s}{Y_s}$ where $Y_s = 3,2$; $P_{or} = F_r + 3,2\,F_a$ where $P_{or} \leq C_s$

1) Definition: see EN 3280
2) R = NSA internal clearance

Procurement specification MIL-B-7949 and DAN 446





Designation

Each bearing is designated as in the following example:

NSA 8124 C 04

Number of NSA Standard
C = Material-Code
04 = Dash No.

ABS 0363 N 04

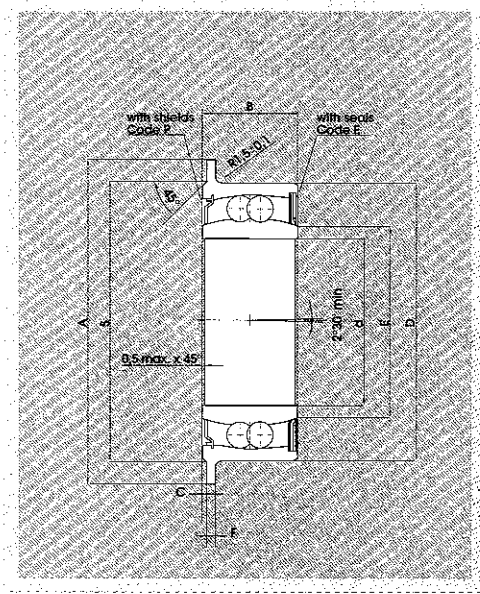
Number of ABS Standard
N = Normal radial internal clearance
R = Reduced radial internal clearance
04 = Dash No.

Self aligning, full type, double row, according to specification EN 4034 .

Series:	**EN 4034 E**	**Series:**	**EN 4034 P**
Material:	EN 2030 (1.3544.9)	Material:	EN 2030 (1.3544.9)
Seals:	PTFE	Shields:	Stainless Steel
Seal Retainers:	Stainless Steel		

Dimensions in millimetres

Dash No.	d	Δdmp µm	D	ΔDmp µm	B	ΔBmp µm	E min.	A	S	C	F	Radial play in µm	Radial runout tolerances µm max. d K_{ia}	D K_{ea}	Starting torque [1] max. mN · m Shields	Seals	Swivelling torque max. Nm [1]	Permissible static loads Axial load F_a in kN	Radial load C_s in kN	Mass g	Dash No.
15	15	0	33	0			19,6	41	34			3 to 9			12	18			15,7	61	15
16	16	-8	33	-11	13		19,6	41	34						12	18			15,7	58	16
20	20	0-9	38			0	24,7	46	39	1	1,5	5 to10	26	43	23	35	0,1	5,3	19	74	20
25	25	0	43	0		-120	28,6	51	44						30	42			21,6	90	25
32	32	-10	52	-13	14		38	60	55	2	2	10 to18			40	55			27,5	132	32



Designation

Each bearing is designated as in the following example:

EN 4034 A 15 E T

- EN 4034 — Number of EN Standard
- A — A = Grease Type
- 15 — 04 = Dash No.
- E — E = Sealed Type
- T — T = Passivated

1) Definition: see EN 3280
A = Grease NATO G 354 / MIL-G-23 827
B = Grease NATO G 395 / MIL-G-81 322
E = Sealed Type
P = Shielded Type
T = Passivated ISO 8075 without surface treatment: no code

Procurement specification EN 3280

ROLLER BEARINGS

Self aligning, full type, single row, according to specification EN 3280 / EN2063.

Series: **EN 3290 E / EN 2018 E**
Material: EN 2031 (1.3505.9)
Seals: PTFE
Seal Retainers: Stainless Steel

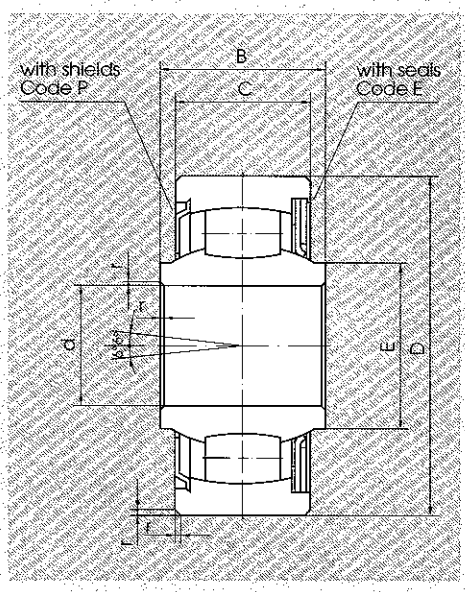
Series: **EN 3290 P / EN 2018 P**
Material: EN 2031 (1.3505.9)
Shields: Stainless Steel

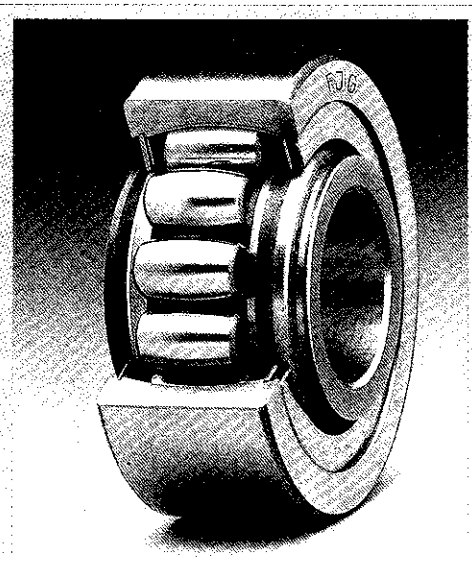
Series: **EN 3291 E / EN 2019 E**
Material: EN 2031 (1.3505.9) Cadmium plated except bore; yellow-passivated
Seals: PTFE
Seal Retainers: Stainless Steel

Series: **EN 3291 P / EN 2019 P**
Material: EN 2031 (1.3505.9) Cadmium plated except bore; yellow-passivated
Shields: Stainless Steel

Series: **EN 3292 E / EN 2020 E**
Material: EN 2030 (1.3544.9)
Seals: PTFE
Seal Retainers: Stainless Steel

Series: **EN 3292 P / EN 2020 P**
Material: EN 2030 (1.3544.9)
Shields: Stainless Steel





Dimensions in millimetres

Dash No.	d	Δdmp µm	D	ΔDmp µm	B	ΔBmp µm	C	ΔCmp µm	E	r x 45°	Out of round µm Δds	Out of round µm ΔDs	Internal clearance in µm Axial max. Group special	Axial max. Group 2	Radial Group special	Radial Group 2	Radial runout tolerances µm max. d K_{ia}	Radial runout tolerances µm max. D K_{ea}	Starting torque [1] in mN.m Shields	Starting torque [1] in mN.m Seals	Permissible static radial load C_s in kN	Mass g
08	8		30	0-9	17		14		14,0		+2	+2-11			2				7	11,0	36,7	58
10	10	0	35		21		17		15,7	0,3	-10		190	230	to 7	10			10	15,5	53,9	91
12	12	-8	37	0	21		17		18,0	to	+3	+3			3	to			15	23,0	60,2	106
15	15		42	-11	21	0	17	0	21,8	0,8	-11	-14	200	240	to 9	20			20	30,0	69,6	132
17	17		47		23	-120	19	-120	25,1				220	250			25	40	25	38,0	94,5	186
20	20	0	52	0	26		21		28,0	0,3	+3	+4			3	15			30	45,0	113,2	246
25	25	-10	62	-13	29		24		34,5	to	-13	-17	240	290	to 10	to			35	52,0	161,7	397
30	30		72		34		27		41,3	1						25			40	60,0	215,6	610

$$F_{a\,max.} = \frac{C_s}{Y_s} \text{ where } Y_s = 3{,}3;\ P_{or} = F_r + 3{,}3\,F_a \text{ where } P_{or} \leq C_s$$

For ultimate static loads, see EN 3280 / EN 2063
1) Definition: see EN 3280

Designation

Each bearing is designated as in the following example:

EN 3290 A K 20 E

Number of EN Standard
A = Grease type
E = Sealed type
20 = Dash No.
K = Group 2 radial / axial internal clearance
R = Special radial / axial internal clearance

A = Grease NATO G 354/MIL-G-23 827; B = NATO G 395/MIL-G-81 322

Single row, with filling slot, full type, according to specification EN 3280.

Series: **EN 3045 E**
Material: EN 2031 (1.3505.9)
Seals: PTFE
Seal Retainers: Stainless Steel

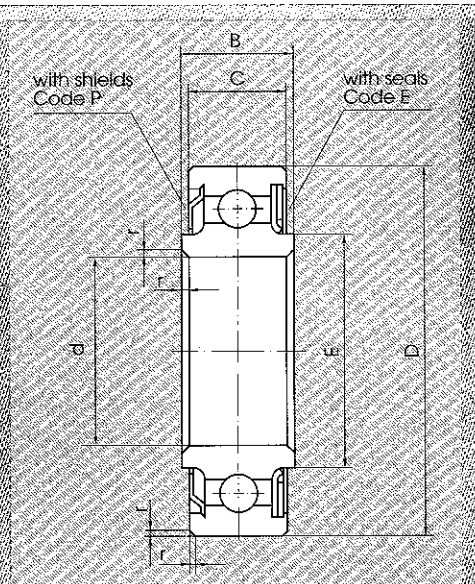
Series: **EN 3045 P**
Material: EN 2031 (1.3505.9)
Shields: Stainless Steel

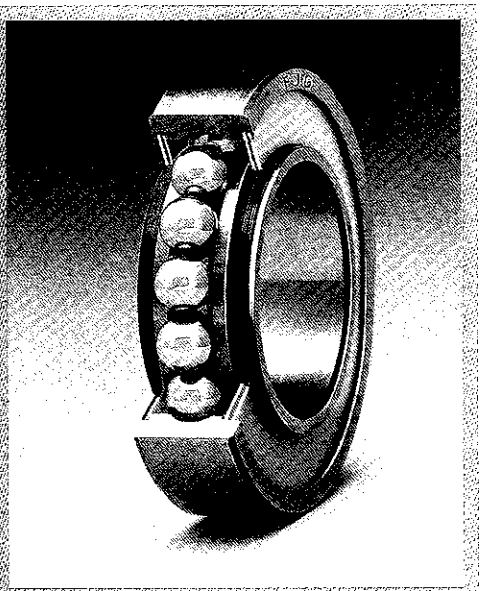
Series: **EN 3046 E**
Material: EN 2031 (1.3505.9) Cadmium plated except bore, yellow passivated
Seals: PTFE
Seal Retainers: Stainless Steel

Series: **EN 3046 P**
Material: EN 2031 (1.3505.9) Cadmium plated except bore, yellow passivated
Shields: Stainless Steel

Series: **EN 3047 E**
Material: EN 2030 (1.3544.9)
Seals: PTFE
Seal Retainers: Stainless Steel

Series: **EN 3047 P**
Material: EN 2030 (1.3544.9)
Shields: Stainless Steel





Dimensions in millimetres

Dash No.	d	Δdmp µm	D	ΔDmp µm	B	ΔBmp µm	C	ΔCmp µm	E	r x 45°	Out of round µm Δds	Out of round µm ΔDs	Internal clearance µm Axial max.	Internal clearance µm Radial	Runout tolerances µm max. Axial d S_{ia}	Runout tolerances µm max. Axial D S_{ea}	Runout tolerances µm max. Radial d K_{ia}	Runout tolerances µm max. Radial D K_{ea}	Starting torque[1] in mN.m Shields	Starting torque[1] in mN.m Seals	Permissible static radial load C_s in kN	Mass g
05	5		16	0-8	7		5		7,6			+2-10							2,0	4,0	6,8	4
06	6		19		8		6		8,6		+2			2					2,5	5,0	9,2	9
08	8	0	22	0	9		7		10,6		-10	+2	80	to			6	8	3,0	6,5	11,8	12
10	10	-8	26	-9	10		8		12,6	0,3		-11		9	15				4,0	7,5	17,0	21
12	12		28		10	0	8	0	14,7	to	+3			3					5,0	8,5	19,5	24
15	15		32		11	-120	9	-120	17,7	0,8	-11		100	to		20	7		6,0	10,0	23,3	32
17	17		35	0	12		10		20,2			+3		11					8,0	12,0	26,9	42
20	20	0	42	-11	14		12		23,5		+3	-14		5				10	10,5	15,0	41,2	72
25	25	-10	47		14		12		28,6		-13		120	to	20		8		13,5	18,0	46,6	85
30	30		55	0-13	15		13		34,1	0,3 to 1		+4-17		13					19,0	25,0	62,6	123

$F_{a\,max.} = \frac{C_s}{Y_s}$ where $Y_s = 2,2$; Axial and radial loads may be applied simultaneously.

For ultimate static loads, see EN 3280
1) Definition: see EN 3280

Designation

Each bearing is designated as in the following example:

EN 3045 A 20 E

Number of EN Standard
A = Grease type
E = Sealed type
20 = Dash No.

A = Grease NATO G 354/MIL-G-23 827; B = NATO G 395/MIL-G-81 322

BALL BEARINGS

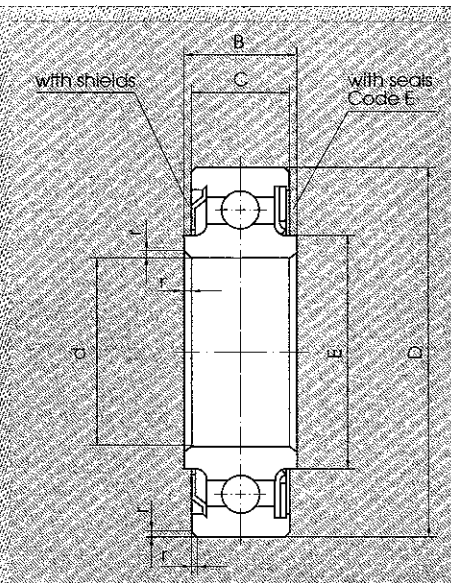
Single row, full type.

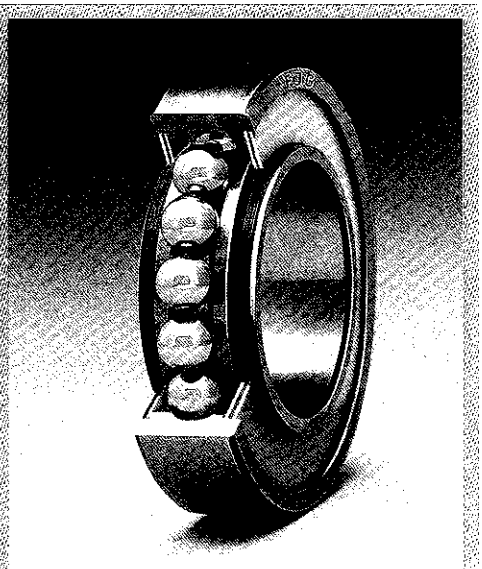
Series: **FJN ...**
Material: EN 2031 (1.3505.9)
Shields: Corrosion resistant

Series: **FJN ...E**
Material: EN 2031 (1.3505.9)
Seals: PTFE
Seal Retainers: Stainless Steel

Series: **FJN ...1.3544.9**
Material: EN 2030 (1.3544.9)
Shields: Corrosion resistant

Series: **FJN ...E 1.3544.9**
Material: EN 2030 (1.3544.9)
Seals: PTFE
Seal Retainers: Stainless Steel





Dimensions in millimetres

Bearing Number	d	ΔdMp µm	D	ΔDMp µm	B	ΔBMp µm	C	ΔCMp µm	E	rx45°	Out of round µm Δds	Out of round µm ΔDs	Runout tolerances µm max. Axial d S_{ia}	Axial D S_{ea}	Radial d K_{ia}	Radial D K_{ea}	Radial clearance µm	Starting torque in mN.m Shields	Starting torque in mN.m Seals	Permissible static radial load C_s in kN	Mass g
FJN 8 FJN 8E	8		22		11		7		10,7		+2							3,0	5,0	12,0	13
FJN 10 FJN 10E	10	0	26	0	12		8		13,0		-10	+2					3	4,0	6,0	17,2	23
FJN 12 FJN 12E	12	-8	28	-9	12		8		14,8	0,3		-11					to	5,0	7,0	20,2	26
FJN 15 FJN 15E	15		32		13	0	9	0	17,9	to	+3						11	6,0	8,0	23,5	35
FJN 17 FJN 17E	17		35	0	14	-120	10	-120	20,5	0,8	-11	+3	40	40	25	40		8,0	11,0	26,9	45
FJN 20 FJN 20E	20	0	42	-11	16		12		23,4		+3	-14					5	11,0	14,0	41,5	75
FJN 25 FJN 25E	25	-10	47		16		12		29,4		-13						to	13,0	17,0	49,0	88
FJN 30 FJN 30E	30		55	0-13	19		13		35,2			+4-17					13	19,0	24,0	62,9	133

$F_{a\,max.} = \frac{C_s}{Y_s}$ where $Y_s = 2,2$; Axial and radial loads may be applied simultaneously.

For ultimate static loads, see EN 3280 / EN 2063

Designation

Each bearing is designated as in the following example:

FJN 15 A E 1.3544.9
Number of Bearing
A = Grease type
Stainless steel
E = Sealed Type

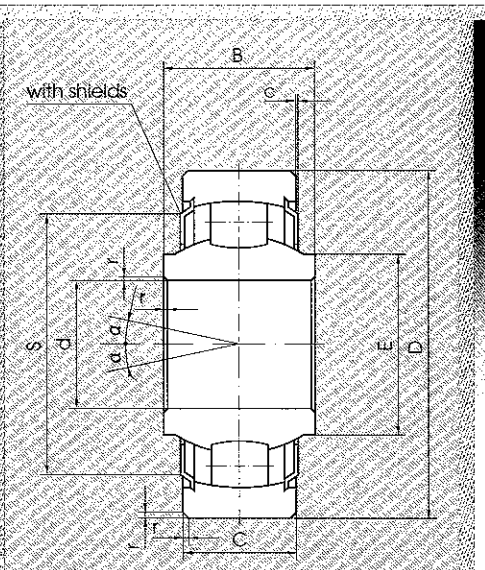
A = Grease NATO G 354/MIL-G-23 827; B = NATO G 395/MIL-G-81 322

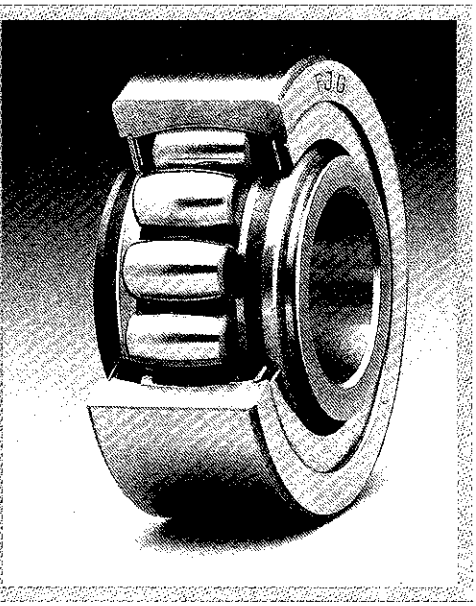
Self aligning, single row, according to specification EN 3280.

Series: **EN 3053**
Material: EN 2031 (1.3505.9)
Shields: Corrosion resistant

Series: **EN 3054**
Material: EN 2031 (1.3505.9)
Cadmium plated except bore: yellow passivated
Shields: Corrosion resistant

Series: **EN 3055**
Material: EN 2030 (1.3544.9)
Shields: Corrosion resistant





Dimensions in millimetres

Dash No.	d	Δdmp µm	D	ΔDmp µm	B	ΔBmp µm	C	ΔCmp µm	E	S	c	r x 45°	α
06	6		24	0	12		8		11,9	17,7	0,7		
08	8		26	-9	15		10		12,3	17,8	0,8		
08	8		30		15		10		14,3	20,8	1,1		
10	10	0	35		16	0	12	0	16,9	25,0	0,9	0,3	
10	10	-8	35	0	20	-120	12	-120	16,9	25,0	0,9	to	6°
12	12		40	-11	20		13		19,9	-	-	0,8	
15	15		47		24		14		23,9	-	-		
17	17		47		24		15		25,9	-	-		

Dash No.	Out of round µm Δds	Out of round µm ΔDs	Radial runout tolerances µm max. d K_{ia}	Radial runout tolerances µm max. D K_{ea}	Internal clearance µm Axial max.	Internal clearance µm Radial	Starting torque [2] in mN.m	Permissible static radial load C_s in kN	Mass g
06					180	2to6	6	15,9	21
08		+2					8	22,8	37
08	+2	-11				2	12	27,8	49
10	-10					to	16	32,9	70
10			25	40	210	7	16	32,9	72
12		+3					20	45,0	108
15	+3	-14				3	25	54,2	153
17	-11					to	30	69,4	163
						9			

$F_{a\,max.} = \frac{C_s}{Y_s}$ where $Y_S = 3.3$; $P_{or} = F_r + 3.3\,F_a$ where $P_{or} \leq C_s$

For ultimate static loads, see EN 3280

1) Code 1 to be added to the end of the designation reference
2) Definition: see EN 3280

Designation

Each bearing is designated as in the following example:

EN 3053 A 12 P 1

- EN 3053 — Number of bearing
- A — Grease type
- 12 — Dash No.
- P — shields type
- 1 — Code for dimensional varietes for ø 8 and 10

A = Grease NATO G 354/MIL-G-23 827; B = NATO G 395/MIL-G-81 322

PULLEY BEARINGS

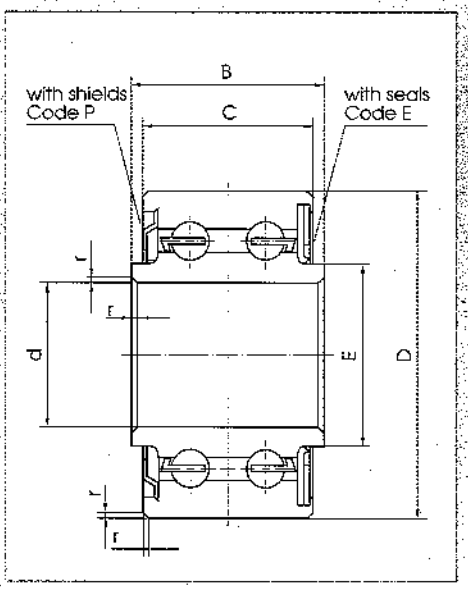
Double row, with retainer.

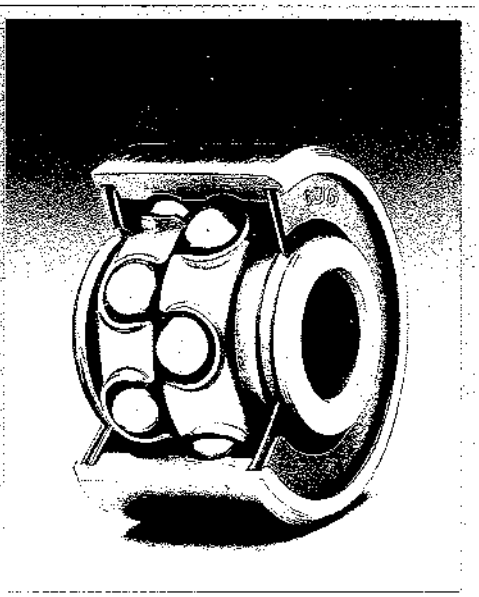
Series: **FJN...E / APF...E**
Material: EN 2031 (1.3505.9)
Seals: PTFE
Seal Retainers: Stainless Steel

Series: **FJN...P / APF...P**
Material: EN 2031 (1.3505.9)
Shields: Stainless steel

Series: **FJN...E 1.3544.9 / APF...E 1.3544.9**
Material: EN 2030 (1.3544.9)
Seals: PTFE
Seal Retainers: Stainless Steel

Series: **FJN...P 1.3544.9 / APF...P 1.3544.9**
Material: EN 2030 (1.3544.9)
Shields: Stainless steel





Bearing Number		d	D		B		C		E	r x 45°	Out of round µm		Internal clearance µm		
			Δdmp µm	ΔDmp µm	ΔBmp µm		ΔCmp µm				Δds	ΔDs	Radial	Axial max.	Diagonal
FJN 5 E*	FJN 5 P*	5		16	0-8	7		5		7,1			+2-10		120	-
FJN 6 CE	FJN 6 CP	6		19		8		6		8,8		+2		8		
APF 8 E	APF 8 P	8	0	22	0	12	0	10	0	10,6	0,3	-10	+2	to		
APF 10 E	APF 10 P	10	-8	26	-9	14	-120	12	-120	13,2	to		-11	16	-	500 to 1000
APF 12 E	APF 12 P	12		28		16		14		15,5	-0,8	÷3				
APF 12/32 E	APF 12/32 P	12		32	0	17		15		16,0		-14	+3			
APF 15 E*	APF 15 P*	15		32	-11	18		16		17,7			-14	8 to 22		

* Full type - no retainer

Bearing No. 5, 6: single row

Designation

Each bearing is designated as in the following example:

APF 12 / 32 A C E 1.3544.9

Number of Bearing
32 = outer ring diameter
A = Grease type
— Stainless steel
E = Sealed Type
C = Cadmium plated

A = Grease NATO G 354/MIL-G-23 827; B = NATO G 395/MIL-G-81 322