






BE03.10-P-1000-01C	Inspection data of connecting rod	Engines 601, 602, 603, 604, 605, 606, 611, 612, 613, 628, 642, 646, 647, 648	 BE
--------------------	-----------------------------------	--	---

Inspection data of connecting rod

Number	Designation		Engine 601 up to 09/84 except 601.921 	Engine 601 as of 10/84 except 601.921  , engine 602.91, 603.91	
BE03.10-P-1001-01C	Dimension	Distance from center of conrod bearing bore to conrod bush bore (L)	mm	148,97-149,03	148,97-149,03
		Width of conrod at conrod bearing bore (B) and at conrod bush bore (b)	mm	23,974-24,026	21,948-22,000
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1002-01C		Conrod bearing shell basic bore (D1) \varnothing	mm	51,600-51,619	51,600-51,614
		Permissible out-of-roundness and conicity of basic bore	mm	0,02	0,02
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1003-01C		permissible twist of conrod bearing bore to conrod bush bore over a length of 100 mm	mm	0,1	0,1
BE03.10-P-1004-01C		permissible variation of axial parallelism of conrod bearing bore to conrod bush bore over a length of 100 mm	mm	0,045	0,045
BE03.10-P-1005-01C		Permissible difference in weight of complete conrod of an engine	g	2	2
BE03.10-P-1006-01C		Conrod bush inner \varnothing (d)	mm	27,018-27,024	26,012-26,018
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1007-01C		Conrod bush outer Ш	mm	29,560-29,600	28,575-28,600
BE03.10-P-1008-01C		Conrod bush basic bore \varnothing (d1)	mm	29,500-29,521	28,500-28,521
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1009-01C		Piston pin play in conrod bush	mm	0,007-0,018	0,007-0,018
BE03.10-P-1010-01C		Peak-to-valley height (Rz) of conrod bush on inside	μm	5	5
BE03.10-P-1011-01C	Conrod bolt	Thread dia.	M	9 X 1	9 X 1
		Shank length when new	mm	-	-

Inspection data of connecting rod

Number	Designation		Engine 601.921  up to 09/84	Engine 601.921  as of 10/84	
BE03.10-P-1001-01C	Dimension	Distance from center of conrod bearing bore to conrod bush bore (L)	mm	144,97-145,03	144,97-145,03
		Width of conrod at conrod bearing bore (B) and at conrod bush bore (b)	mm	23,974-24,026	21,948-22,000
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1002-01C		Conrod bearing shell basic bore (D1) \varnothing	mm	51,600-51,619	51,600-51,614
		Permissible out-of-roundness and conicity of basic bore	mm	0,02	0,02
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1003-01C		permissible twist of conrod bearing bore to conrod bush bore over a length of 100 mm	mm	0,1	0,1

BE03.10-P-1004-01C		permissible variation of axial parallelism of conrod bearing bore to conrod bush bore over a length of 100 mm	mm	0,045	0,045
BE03.10-P-1005-01C		Permissible difference in weight of complete conrod of an engine	g	2	2
BE03.10-P-1006-01C		Conrod bush inner \varnothing (d)	mm	27,018-27,024	26,012-26,018
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1007-01C		Conrod bush outer Ш	mm	29,560-29,600	28,575-28,600
BE03.10-P-1008-01C		Conrod bush basic bore \varnothing (d1)	mm	29,500-29,521	28,500-28,521
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1009-01C		Piston pin play in conrod bush	mm	0,007-0,018	0,007-0,018
BE03.10-P-1010-01C		Peak-to-valley height (Rz) of conrod bush on inside	μm	5	5
BE03.10-P-1011-01C	Conrod bolt	Thread dia.	M	9 X 1	9 X 1
		Shank length when new	mm	-	-

Inspection data of connecting rod

Number	Designation		Engine 602.96, 603.96	Engine 603.97	
BE03.10-P-1001-01C	Dimension	Distance from center of conrod bearing bore to conrod bush bore (L)	mm	148,97-149,03	144,97-145,03
		Width of conrod at conrod bearing bore (B) and at conrod bush bore (b)	mm	21,948-22,000	21,948-22,000
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1002-01C		Conrod bearing shell basic bore (D1) \varnothing	mm	51,600-51,614	51,600-51,614
		Permissible out-of-roundness and conicity of basic bore	mm	0,02	0,02
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1003-01C		permissible twist of conrod bearing bore to conrod bush bore over a length of 100 mm	mm	0,1	0,1
BE03.10-P-1004-01C		permissible variation of axial parallelism of conrod bearing bore to conrod bush bore over a length of 100 mm	mm	0,045	0,045
BE03.10-P-1005-01C		Permissible difference in weight of complete conrod of an engine	g	2	2
BE03.10-P-1006-01C		Conrod bush inner \varnothing (d)	mm	28,012-28,024	28,018-28,024
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1007-01C		Conrod bush outer Ш	mm	30,575-30,600	30,575-30,600
BE03.10-P-1008-01C		Conrod bush basic bore \varnothing (d1)	mm	30,500-30,525	30,500-30,525
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1009-01C		Piston pin play in conrod bush	mm	0,007-0,018	0,007-0,018
BE03.10-P-1010-01C		Peak-to-valley height (Rz) of conrod bush on inside	μm	5	5
BE03.10-P-1011-01C	Conrod bolt	Thread dia.	M	9 X 1	9 X 1
		Shank length when new	mm	-	-

Inspection data of connecting rod

Number	Designation		Engine 604.605.910/911/ 912, 606.910/912	Engine 605.960/962, 606.961/962/964

BE03.10-P-1001-01C	Dimension	Distance from center of conrod bearing bore to conrod bush bore (L)	mm	148,97-149,03	148,97-149,03
		Width of conrod at conrod bearing bore (B) and at conrod bush bore (b)	mm	21,948-22,000	21,948-22,000
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1002-01C		Conrod bearing shell basic bore (D1) \varnothing	mm	51,600-51,614	51,600-51,614
		Permissible out-of-roundness and conicity of basic bore	mm	0,02	0,02
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1003-01C		permissible twist of conrod bearing bore to conrod bush bore over a length of 100 mm	mm	0,1	0,1
BE03.10-P-1004-01C		permissible variation of axial parallelism of conrod bearing bore to conrod bush bore over a length of 100 mm	mm	0,045	0,045
BE03.10-P-1005-01C		Permissible difference in weight of complete conrod of an engine	g	2	2
BE03.10-P-1006-01C		Conrod bush inner \varnothing (d)	mm	26,012-26,018	28,018-28,024
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1007-01C		Conrod bush outer Ш	mm	28,575-28,600	30,575-30,600
BE03.10-P-1008-01C		Conrod bush basic bore \varnothing (d1)	mm	28,500-28,521	30,500-30,525
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1009-01C		Piston pin play in conrod bush	mm	0,007-0,018	0,007-0,018
BE03.10-P-1010-01C		Peak-to-valley height (Rz) of conrod bush on inside	μm	5	5
BE03.10-P-1011-01C	Conrod bolt	Thread dia.	M	9 X 1	9 X 1
		Shank length when new	mm	-	-

Inspection data of connecting rod

Number	Designation		Engine 611, 612.961/962/963/ 965/966/967, 613	Engine 612.990	
BE03.10-P-1001-01C	Dimension	Distance from center of conrod bearing bore to conrod bush bore (L)	mm	148.970...149.030	142.470...142.530
		Width of conrod at conrod bearing bore (B) and at conrod bush bore (b)	mm	21.940...22.000	-
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1002-01C		Conrod bearing shell basic bore (D1) \varnothing	mm	51.600...51.614	57.600...57.614
		Permissible out-of-roundness and conicity of basic bore	mm	0,020	0,020
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1003-01C		permissible twist of conrod bearing bore to conrod bush bore over a length of 100 mm	mm	0,100	0,100
BE03.10-P-1004-01C		permissible variation of axial parallelism of conrod bearing bore to conrod bush bore over a length of 100 mm	mm	0,045	0,045
BE03.10-P-1005-01C		Permissible difference in weight of complete conrod of an engine	g	2	2
BE03.10-P-1006-01C		Conrod bush inner \varnothing (d)	mm	30,018...30.024	30.042...30.048
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1007-01C		Conrod bush outer Ш	mm	32.575...32.600	32.575...32.600
BE03.10-P-1008-01C		Conrod bush basic bore \varnothing (d1)	mm	32.500...32.525	32.500...32.525
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1009-01C		Piston pin play in conrod bush	mm	0.018...0.024	0.042...0.048

BE03.10-P-1010-01C		Peak-to-valley height (Rz) of conrod bush on inside	µm	5	5
BE03.10-P-1011-01C	Conrod bolt	Thread dia.	M	8x1	7x1
		Shank length when new	mm	-	47,7±0,3

Inspection data of connecting rod

Number	Designation			Engine 628.960/ 962960/962	Engine 642
BE03.10-P-1001-01C	Dimension	Distance from center of conrod bearing bore to conrod bush bore (L)	mm	166.97...167.03	167.97...168.03
		Width of conrod at conrod bearing bore (B) and at conrod bush bore (b)	mm	-	B: 17.9...18.1 b: 21.94...22.0
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1002-01C		Conrod bearing shell basic bore (D1) Ø	mm	57.600...57.614	67.600...67.614
		Permissible out-of-roundness and conicity of basic bore	mm	0,020	0,020
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1003-01C		permissible twist of conrod bearing bore to conrod bush bore over a length of 100 mm	mm	0,100	0,100
BE03.10-P-1004-01C		permissible variation of axial parallelism of conrod bearing bore to conrod bush bore over a length of 100 mm	mm	0,045	0,045
BE03.10-P-1005-01C		Permissible difference in weight of complete conrod of an engine	g	2	2
BE03.10-P-1006-01C		Conrod bush inner Ø (d)	mm	30,018...30.024	30.028...30.034
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1007-01C		Conrod bush outer Ш	mm	32.575...32.600	-
BE03.10-P-1008-01C		Conrod bush basic bore Ø (d1)	mm	32.500...32.525	32.500...32.525
		For picture, see		AR03.10-P-6111AW	AR03.10-P-6111AW
BE03.10-P-1009-01C		Piston pin play in conrod bush	mm	0.018...0.024	0.028...0.034
BE03.10-P-1010-01C		Peak-to-valley height (Rz) of conrod bush on inside	µm	5	5
BE03.10-P-1011-01C	Conrod bolt	Thread dia.	M	8×1	8×1
		Shank length when new	mm	-	-

Inspection data of connecting rod

Number	Designation			Engine 646, 647, 648
BE03.10-P-1001-01C	Dimension	Distance from center of conrod bearing bore to conrod bush bore (L)	mm	148.970 149.030
		Width of conrod at conrod bearing bore (B) and at conrod bush bore (b)	mm	21.940 22.000
		For picture, see		AR03.10-P-6111AW
BE03.10-P-1002-01C		Conrod bearing shell basic bore (D1) Ø	mm	51.600...51.614
		Permissible out-of-roundness and conicity of basic bore	mm	0,020
		For picture, see		AR03.10-P-6111AW
BE03.10-P-1003-01C		permissible twist of conrod bearing bore to conrod bush bore over a length of 100 mm	mm	0,100

BE03.10-P-1004-01C		permissible variation of axial parallelism of conrod bearing bore to conrod bush bore over a length of 100 mm	mm	0,045
BE03.10-P-1005-01C		Permissible difference in weight of complete conrod of an engine	g	2
BE03.10-P-1006-01C		Conrod bush inner \varnothing (d)	mm	30.028...30.034
		For picture, see		AR03.10-P-6111AW
BE03.10-P-1007-01C		Conrod bush outer Ш	mm	32.575...32.600
BE03.10-P-1008-01C		Conrod bush basic bore \varnothing (d1)	mm	32.500...32.525
		For picture, see		AR03.10-P-6111AW
BE03.10-P-1009-01C		Piston pin play in conrod bush	mm	0.028...0.034
BE03.10-P-1010-01C		Peak-to-valley height (Rz) of conrod bush on inside	μm	5
BE03.10-P-1011-01C	Conrod bolt	Thread dia.	M	8x1
		Shank length when new	mm	-