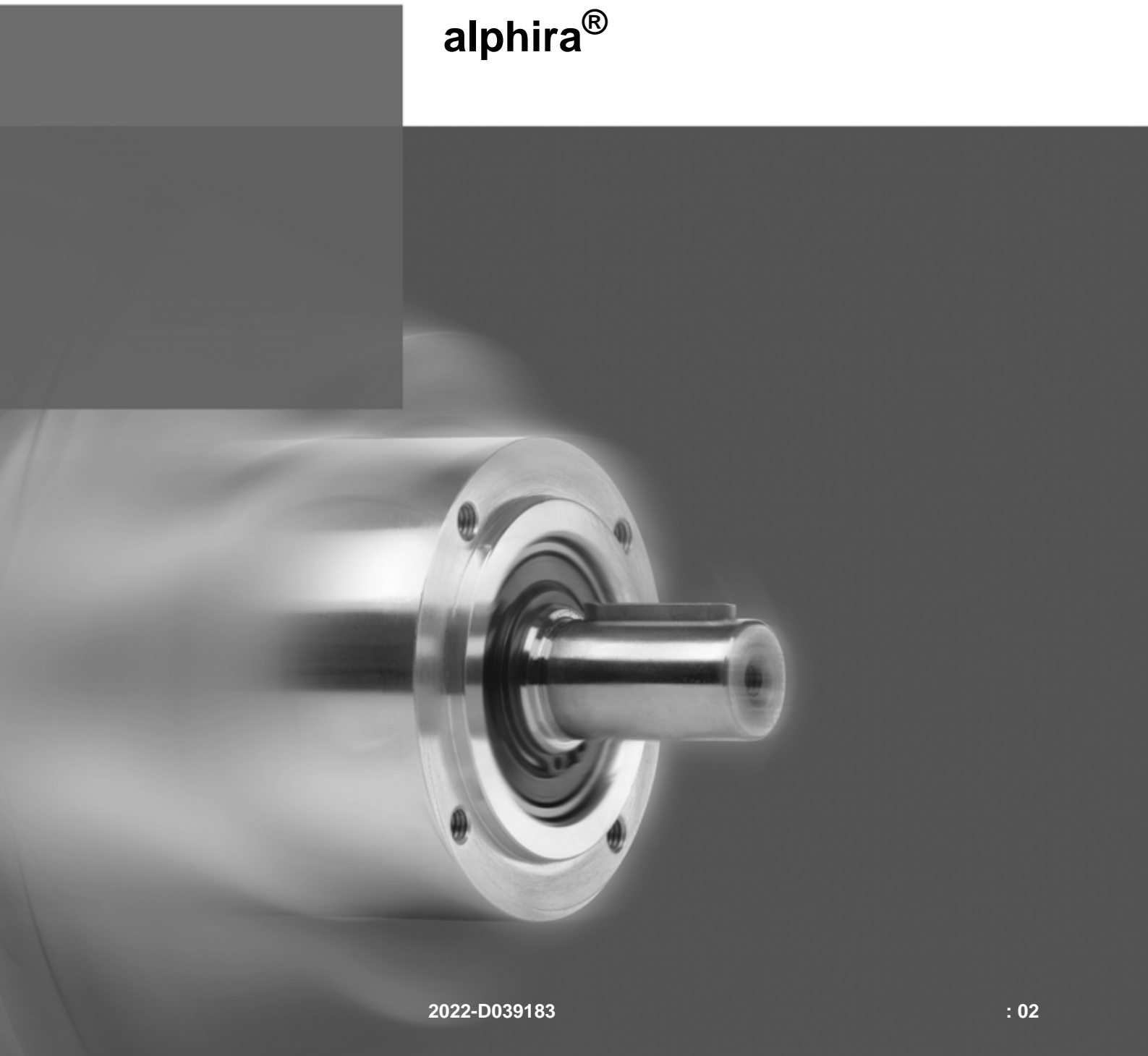




WITTENSTEIN

alpha

alphira[®]



Revision history

Revision	Date	Comment	Chapter
01	28.03.2011	New version	All
02	28.11.2012	Safety	All

Service

In case you have technical questions,
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Motor mounting video

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1	2
1.1	2
2	2
2.1	2
2.2	2
2.3	가	2
2.4	2
2.5	3
2.6	4
2.7	4
2.8	4
2.9	4
3	5
3.1	alphira® 115	5
3.2	5
3.3	5
3.4	6
3.5	7
3.6	7
3.7	7
3.8	8
3.9	8
3.10	8
3.11	9
3.12	9

1

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1.1

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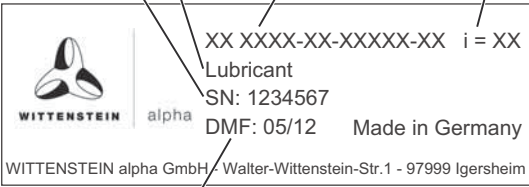
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가

2

2.1

 <p> C D A B XX XXXX-XX-XXXXX-XX i = XX Lubricant SN: 1234567 DMF: 05/12 Made in Germany WITTENSTEIN alpha GmbH / Walter-Wittenstein-Str.1 - 97999 Igersheim E </p>	A	(3.12 " ")
	B	
	C	
	D	
	E	

Tbl-1: ()

2.2

가

2.3

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2.4










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• WITTENSTEIN alpha GmbH

2.5

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	X	X			X

Tbl-2:

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가	가	
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Tbl-3:

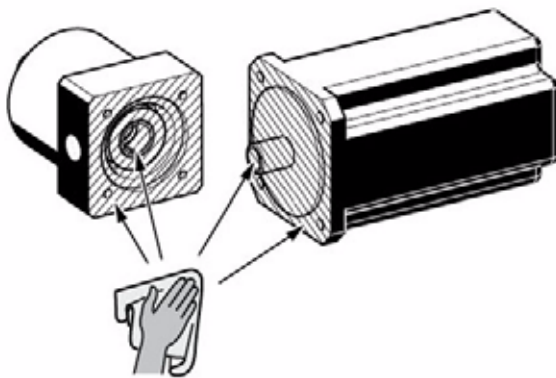
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- (2.5 " ").

3.1 alpha® 115

3.2

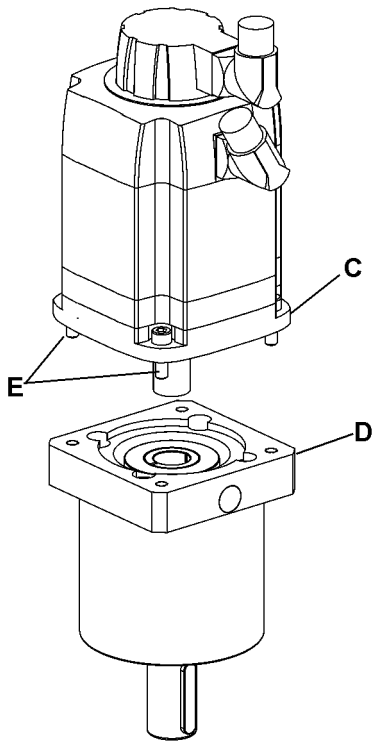
	참 고
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	<p>() ()</p> <p>(. Loctite® 573 574)</p> <ul style="list-style-type: none"> •



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3.3

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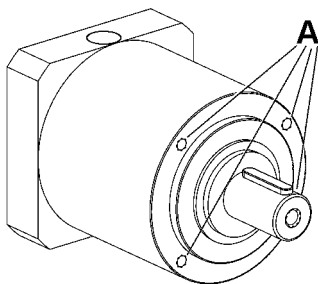
- 가
- 가
- ① 가 (B)
- (A)
- 가 3.8 " " "
- ① -8" " " 90° -4"
- ① (C) (D)

	A		
	B		
	F		
	G		
	H		

Tbl-4:

- (E) (. Loctite 243).
- (E) (C) (D)
- (A) (B)
- ① 3.8 " " " -8"
- (D)

3.4



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- 3.9 " " " -9"
- (. Loctite 243)
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3.5

	참 고			
	<p>가</p> <p>!</p> <p>(" -5")</p>			

alphira®	040	060	080	115
F_{a max} [N]	230	750	1600	2100

Tbl-5: (s0) = 1,8 (Fr) = 0 가

3.6

	<p>가 -15 °C +40 °C</p> <p>가 +90 °C</p> <p>3.11 " "</p> <p>가</p>			
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3.7

	<p>(,)</p> <p>()</p>			
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가 :

	(USDA-H1)
Castrol Industrie GmbH, Mönchengladbach : + 49 2161 909-30 www.castrol.com	Klüber Lubrication München KG, München : + 49 89 7876-0 www.klueber.com

Tbl-6:

3.8

	A	
	B	
	F	
	G	
	H	

Tbl-7:

alphira®	- Ø [mm]	(B) [mm]	[Nm]	[N]
040	9	3	5,6	45
060	14	4	14	80
080	19	5	23	100
115	24	6	45	150

Tbl-8:

3.9

	alphira®	PCD Ø [mm]	/	[Nm]
	040	34	M4 / 10.9	3,88
	060	52	M5 / 10.9	7,69
	080	70	M6 / 10.9	13,2
	115	100	M10 / 10.9	62,7

Tbl-9:

3.10

- :
 - VDI 2230 (2003 2)
 - $\mu = 0,10$
 - 90%

	[Nm]												
/	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
8.8 / 8	1,15	2,64	5,24	8,99	21,7	42,7	73,5	118	180	258	363	493	625
10.9 / 10	1,68	3,88	7,69	13,2	31,9	62,7	108	173	265	368	516	702	890
12.9 / 12	1,97	4,55	9,00	15,4	37,3	73,4	126	203	310	431	604	821	1042

Tbl-10:

3.11

<http://www.wittenstein-alpha.de>

	가 1
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3.12



: www.wittenstein-alpha.de/en/operating-manuals

PDF (1 MB) 가



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