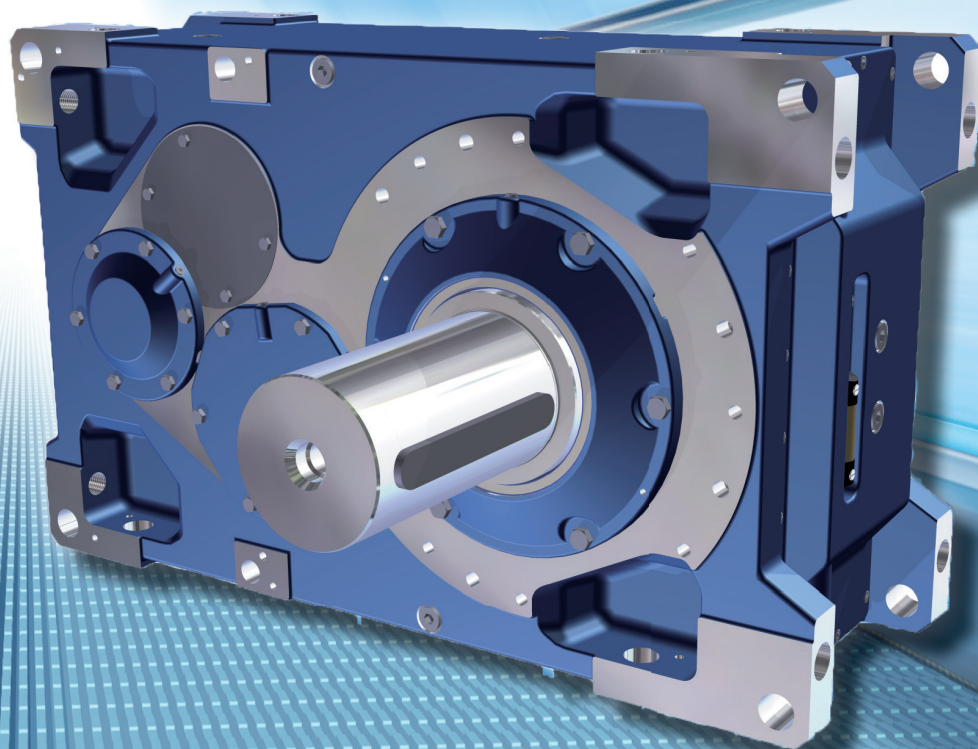


Intelligent Drivesystems, Worldwide Services



EN

PRODUCT INFORMATION

Industrial Gear Units

SK 5207-SK 5507, SK 6207-SK 6507

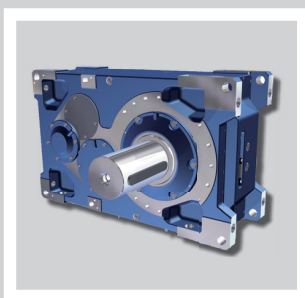


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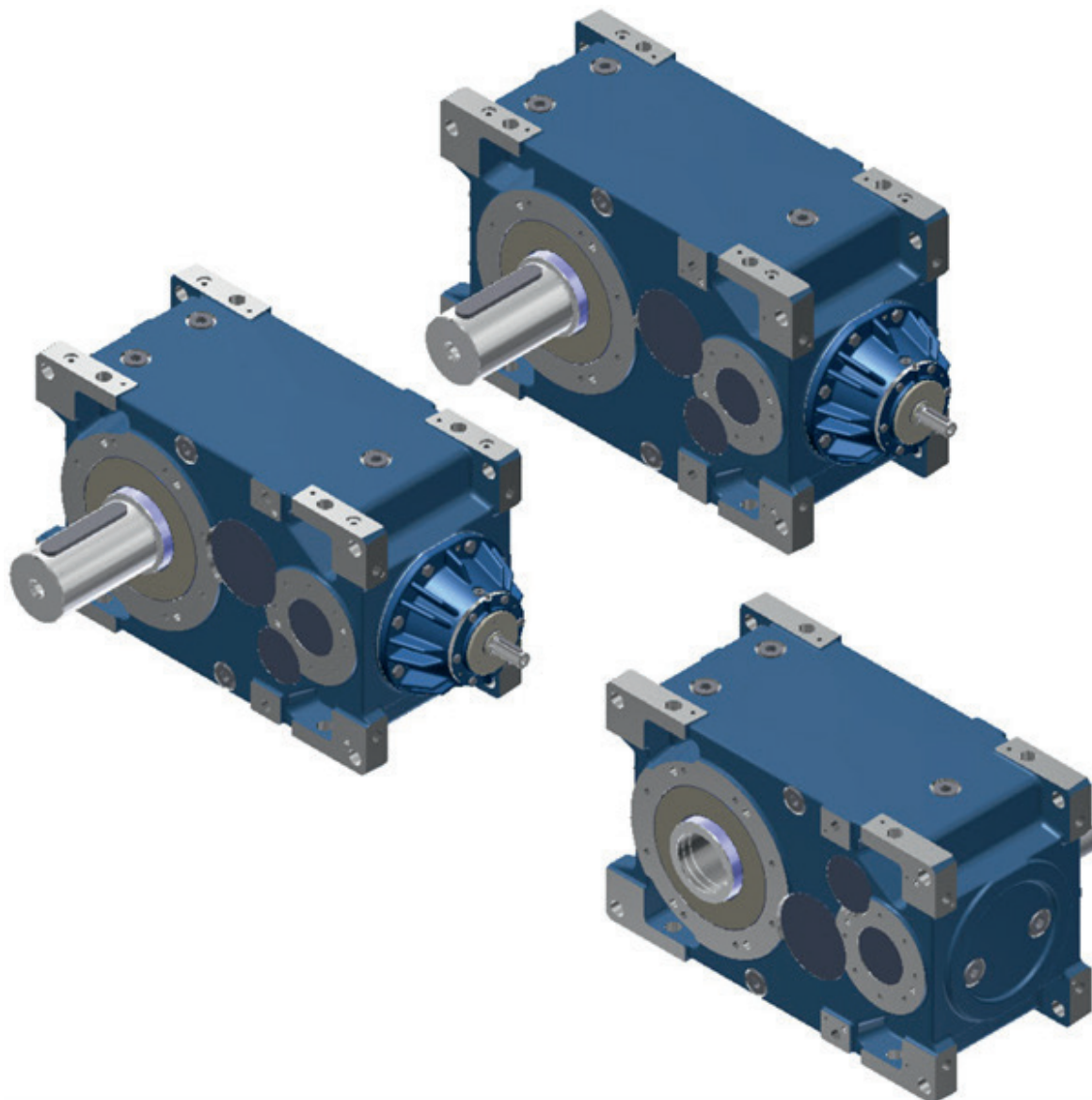


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1. General Information

With the expansion of our product portfolio by the new SK 5.07 and SK6.07 we extend the range of MAXXDRIVE gearboxes down to an output torque of 15 kNm.



2. Technical Data

With the expansion of our product portfolio by the new SK 5.07 and SK6.07 we extend the range of MAXXDRIVE gearboxes down to an output torque of 15 kNm. For thermal power rating please contact NORD.

SK 5207		
Ratio i	n2	M2 max [Nm]
7,20	208,3	15.000
7,87	190,6	15.000
9,25	162,2	15.000
10,11	148,4	15.000
11,57	129,6	15.000
12,65	118,6	15.000
14,05	106,8	15.000
15,35	97,7	15.000
17,70	84,7	15.000
19,35	77,5	15.000
22,78	65,8	15.000
24,89	60,3	15.000

SK 5307		
Ratio i	n2	M2 max [Nm]
28,65	52,4	15.000
31,30	47,9	15.000
36,27	41,4	15.000
39,63	37,9	15.000
45,45	33,0	15.000
49,67	30,2	15.000
56,12	26,7	15.000
61,32	24,5	15.000
71,05	21,1	15.000
77,63	19,3	15.000
89,03	16,8	15.000
97,29	15,4	15.000
113,87	13,2	15.000
124,43	12,1	15.000
142,70	10,5	15.000
155,93	9,6	15.000
179,89	8,3	15.000
196,56	7,6	15.000
227,74	6,6	15.000
248,85	6,0	15.000
285,40	5,3	15.000
311,85	4,8	15.000

SK 5407		
Ratio i	n2	M2 max [Nm]
18,00	83,3	15.000
19,67	76,3	15.000
21,85	68,7	15.000
23,87	62,8	15.000
29,32	51,2	15.000
32,03	46,8	15.000
35,58	42,2	15.000
38,88	38,6	15.000
44,85	33,4	15.000
49,01	30,6	15.000
57,46	26,1	15.000
62,79	23,9	15.000
72,43	20,7	15.000
79,14	19	15.000
93,18	16,1	15.000
101,82	14,7	15.000

SK 5507		
Ratio i	n2	M2 max [Nm]
117,20	12,8	15.000
128,06	11,7	15.000
148,38	10,1	15.000
162,13	9,3	15.000
185,94	8,1	15.000
203,18	7,4	15.000
229,58	6,5	15.000
250,85	6,0	15.000
290,65	5,2	15.000
317,59	4,7	15.000
364,23	4,1	15.000
397,99	3,8	15.000

SK 6207		
Ratio i	n2	M2 max [Nm]
7,99	187,7	17.000
8,80	170,5	18.000
10,27	146,1	18.700
11,31	132,6	19.200
12,84	116,8	19.600
14,15	106,0	20.000
15,59	96,2	20.000
17,18	87,3	20.000
19,65	76,3	20.000
21,65	69,3	20.000
25,28	59,3	20.000
27,85	53,9	20.000

SK 6307		
Ratio i	n2	M2 max [Nm]
31,79	47,2	20.000
35,03	42,8	20.000
40,25	37,3	20.000
44,35	33,8	20.000
50,44	29,7	20.000
55,58	27,0	20.000
62,28	24,1	20.000
68,62	21,9	20.000
78,85	19,0	20.000
86,87	17,3	20.000
98,81	15,2	20.000
108,87	13,8	20.000
126,37	11,9	20.000
139,24	10,8	20.000
158,36	9,5	20.000
174,49	8,6	20.000
199,63	7,5	20.000
219,96	6,8	20.000
252,74	5,9	20.000
278,48	5,4	20.000
316,72	4,7	20.000
348,98	4,3	20.000

SK 6407		
Ratio i	n2	M2 max [Nm]
19,98	75,1	19.500
22,01	68,1	20.000
24,25	61,9	20.000
26,72	56,1	20.000
32,53	46,1	20.000
35,85	41,8	20.000
39,49	38,0	20.000
43,51	34,5	20.000
49,77	30,1	20.000
54,84	27,4	20.000
63,77	23,5	20.000
70,26	21,3	20.000
80,38	18,7	20.000
88,56	16,9	20.000
103,41	14,5	20.000
113,94	13,2	20.000

SK 5507		
Ratio i	n2	M2 max [Nm]
130,06	11,5	20.000
143,31	10,5	20.000
164,66	9,1	20.000
181,43	8,3	20.000
206,35	7,3	20.000
227,36	6,6	20.000
254,77	5,9	20.000
280,72	5,3	20.000
322,55	4,7	20.000
355,40	4,2	20.000
404,21	3,7	20.000
445,37	3,4	20.000

2.1 Options

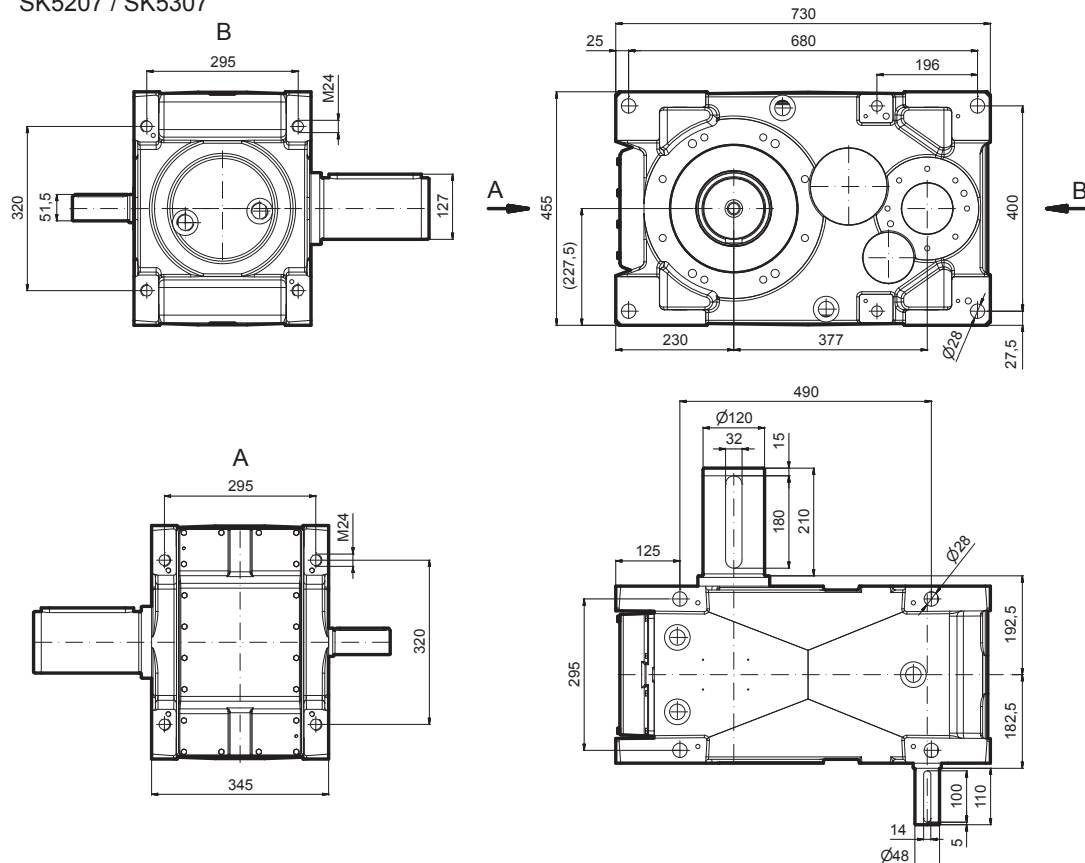
SK 5.07 and SK 6.07 are available with the following options:

Option	Description
A	Hollow shaft
AS	Hollow shrink disc
B	Fixing elements for hollow shaft
CC	Cooling coil
CS1	Size A..H – cooling system oil/water
CS2	Size A..H – cooling system oil/air
D	Torque support
DRY	True drywell
ED	Torque arm (elastic)
F	Block flange
FAN	Fan (radial and axial)
FK	High output flange
F1	Input flange
H	Hollow shaft cover (contact protection)
H66	IP66 hollow shaft cover
IEC	IEC adapter
L	Solid double shaft
MC	Motor scoop
MF	Motor base frame (Options see MS..)
MSB	Motor swing base with brake
MSK	Motor swing base with elastic coupling
MSKB	Motor swing base with elastic coupling and brake
MST	Motor swing base with hydraulic coupling
MSTB	Motor swing base with hydraulic coupling and brake
MT	Motor bracket
NEMA	Adapter for fitting B5 NEMA C-flange standard motors
OH	Oil heater
OT	Oil tank
R	Backstop
V	Solid shaft
VL2 / KL2	Agitator version
VL3 / KL3	Agitator design with Drywell
VL4 / KL4	Agitator design with True Drywell
VL5	Extruder flange
VL6 / KL6	Extended bearing distance with True Drywell
W	Solid input shaft
W2	2 solid input shafts
W3	3 solid input shafts
WG	Compound gearbox
WX	Auxiliary drive

Remark: The option LCX is available only for the mounting positions M5 and M6 with the option DRY, VL4/KL4 and VL6/KL6. In all other cases only splash lubrication is available.

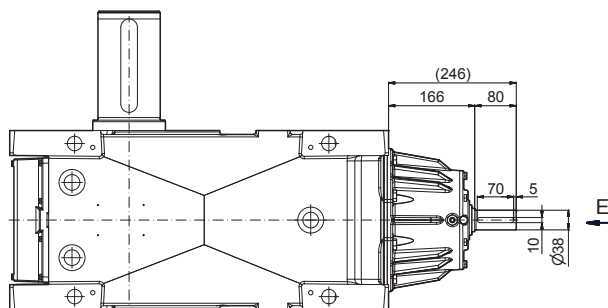
2.2 Dimensions SK 5207 / SK 5307

Anschlussmaße / connecting dimensions
SK5207 / SK5307

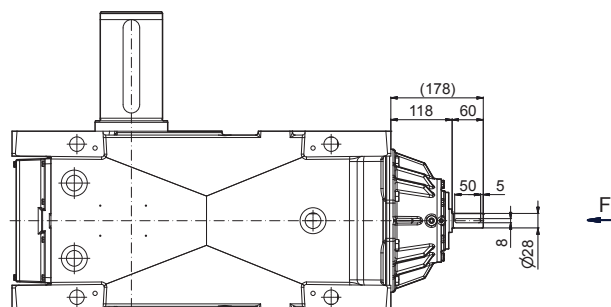


2.3 Dimensions SK 5407 / SK 5507

Anschlussmaße /
connecting dimensions
SK5407 / SK6407

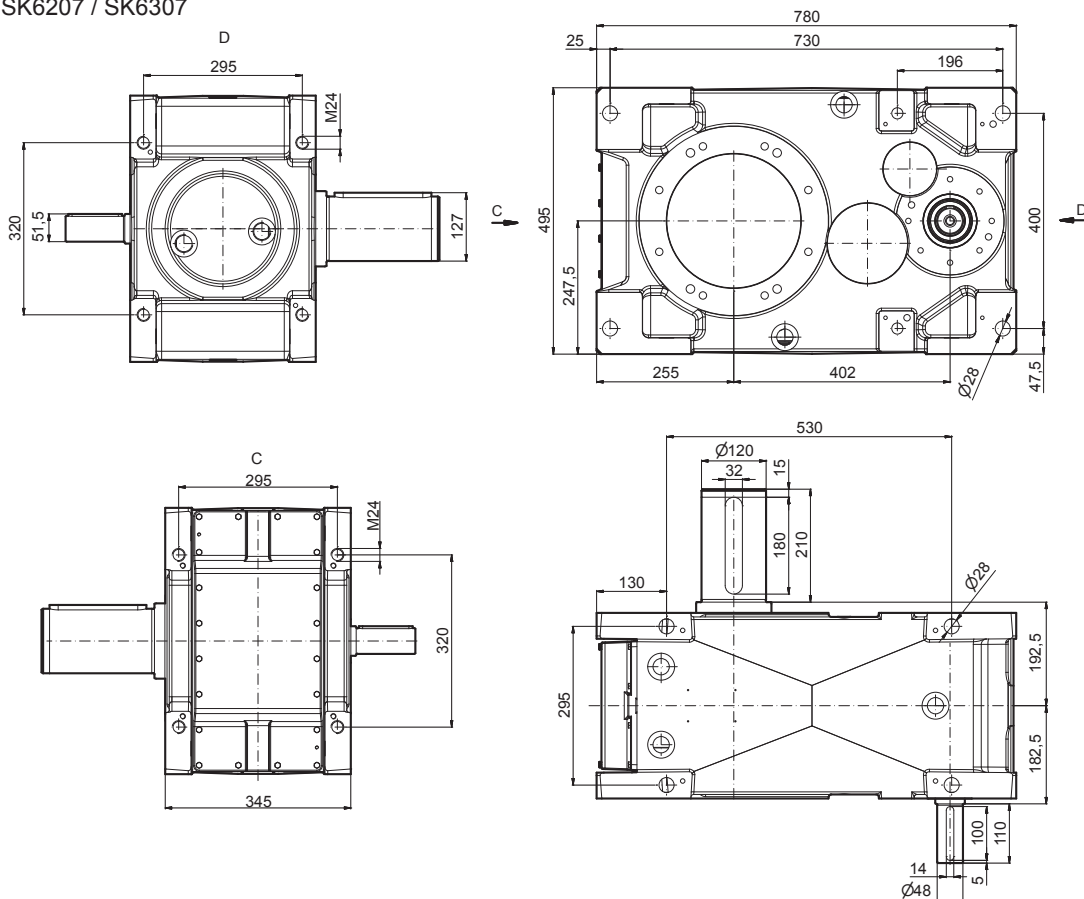


Anschlussmaße /
connecting dimensions
SK5507 / SK6507



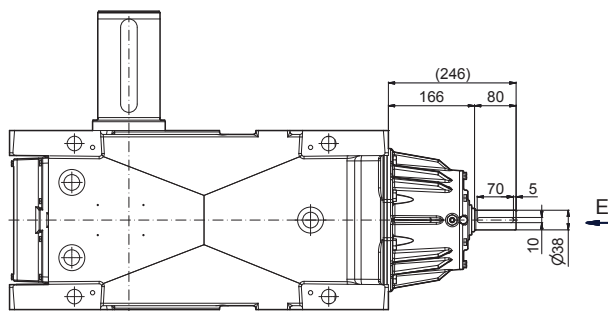
2.4 Dimensions SK 6207 / SK 6307

Anschlussmaße / connecting dimensions
SK6207 / SK6307

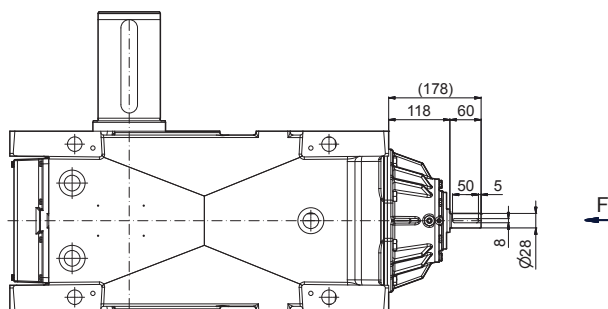


2.5 Dimensions SK 6407 / SK 6507

Anschlussmaße /
connecting dimensions
SK5407 / SK6407

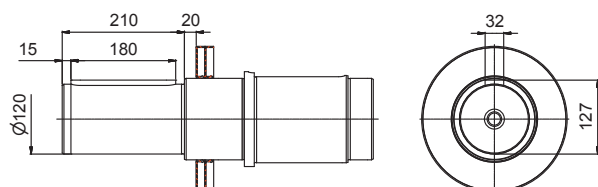


Anschlussmaße /
connecting dimensions
SK5507 / SK6507

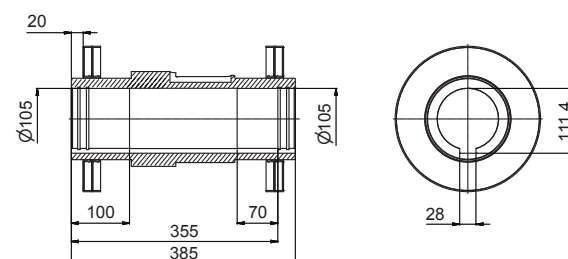


2.6 Shaft Dimensions

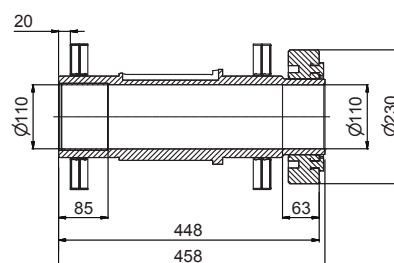
Vollwelle / solid shaft
(SK5x07 / SK6x07)



Hohlwelle / hollow shaft
(SK5x07 / SK6x07)



Hohlwelle Schrumpfscheibe / hollow shaft shrink disk
(SK5x07 / SK6x07)



2.7 Weights

SK...	Weight
5207	360 kg
5307	373 kg
5407	400 kg
5507	395 kg
6207	404 kg
6307	417 kg
6407	444 kg
6507	439 kg

2.8 Oil Fill Quantities

Oil Fill Quantities [l]	M1	M2	M3	M4	M5	M6	max.
SK5207	21	31	---	39	37	37	51
SK5307	---	31	23	39	37	37	51
SK5407	24	34	---	42	40	40	53
SK5507	---	34	26	42	40	40	53
SK6207	26	37	---	45	42	42	60
SK6307	---	37	29	45	42	42	60
SK6407	29	40	---	48	44	44	62
SK6507	---	40	32	48	44	44	62

An overview of the NORD range

G1000 Fixed speeds

UNICASE housing 50 Hz, 60 Hz

- Helical geared motors
- Parallel geared motors
- Bevel geared motors
- Helical worm geared motors

G4014 Electronic variable speed drives

- NORDBLOC.1 Helical geared motors
- Helical geared motors
- Parallel geared motors
- Bevel geared motors
- Helical worm geared motors

G1050 MAXXDRIVE Industrial gear units

UNICASE housing 50 / 60 Hz

- Parallel-Axis
- Right-Angle

G1035 UNIVERSAL Worm gear units

- SI and SMI

F3018 Frequency inverter SK180E

F3020 Frequency inverter SK200E





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Getriebebau NORD GmbH & Co. KG
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Fon +49 (0) 4532 / 289-0
Fax +49 (0) 4532 / 289-2253
info@nord.com, www.nord.com



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Distribuidor autorizado NORD Drivesystems

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Distribuidor autorizado NORD Drivesystems

Rodovia Curitiba-Ponta Grossa (BR-277), 1241
Mossungue - Curitiba/PR - CEP 82305-100

Telefone (41) 2391-1086

WhatsApp (41) 99937-1387

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