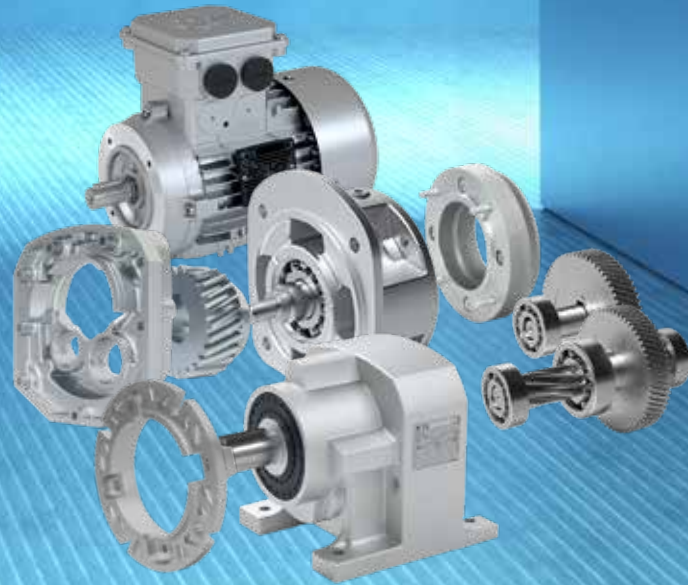


DISTRIBUTOR ASSEMBLY PROGRAMME (D.A.P) NORDBLOC.1[®] HELICAL-INLINE



Highlights of the Distributor Assembly Programme

- Modular structural concept designed for distributors
- Local availability of gear unit components
- Maximum flexibility through possible combinations of modules
- Simplified installation through prefabricated gear unit modules
- Shorter delivery times and less required storage places
- Installation without pressing or lifting tools possible
- Large speed ratio and torque range



Performance specifications

Configuration: Helical gear units
Motor output kW: (min/max) 0.12 – 4
Motor output HP: (min/max) 0.16 – 5
Number of gear stages: 2–3

Installation types

Housing with foot mounting: Standard
Optional flange mounting: Foot/B5 flange
External diameter, B5 flange: [mm] 120 - 200
External diameter, B5 flange: [Inch] 4.72 - 7.87

Speed ratios, speeds

Smallest standard speed ratio: 4.17:1
Largest standard speed ratio: 115.01:1
Output speed (50Hz): 12 – 343 rpm
Output speed (60Hz): 15 – 417 rpm

Options

- IEC
- NEMA



Output flange

Housing with output shaft

Speed ratio modules

Gear unit cover

Motor pinion

Intermediate flange

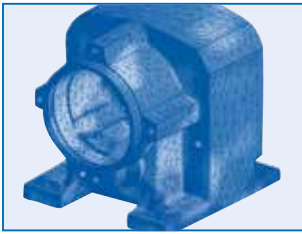
Adapter

Motor

Type	Speed ratio range		Max. input power*		Max torque*		Solid shaft	
	Min.	Max.	[kW]	[HP]	[Nm]	[lb-in]	[mm]	[in]
SK 172.1	4.17	70.00	1.3	2	92	814	20 x 40	0.75 x 1.58
SK 372.1	5.95	16.53	3	4	200	1,770	25 x 50	1.00 x 1.97
SK 373.1	19.85	94.72	1.5	2	220	1,947	25 x 50	1.00 x 1.97
SK 572.1	6.30	16.46	4	5	430	3,806	30x60/35x70	1.25 x 2.36/1.375 x 2.75
SK 573.1	22.36	115.01	4	5	450	3,983	30x60/35x70	1.375 x 2.75
SK 672.1	6.09	18.41	4	5	610	5,399	35 x 70	1.375 x 2.75
SK 673.1	23.73	103.48	4	5	640	5,664	40 x 80	1.375 x 2.75

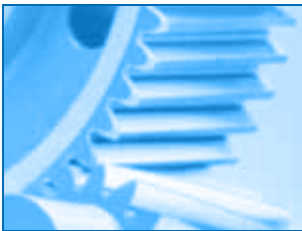
* May vary depending on the speed ratio

DISTRIBUTOR ASSEMBLY PROGRAMME (D.A.P) NORDBLOC.1® HELICAL-INLINE



Housings

- One-piece (UNICASE) housing
- Corrosion-resistant aluminium alloy
- High precision machining in a single step
- Precise alignment of shafts and gears



Gear wheels

- Gear wheel quality up to AGMA Class 13
- Own high performance hardening facility
- 275% momentary overload possible
- Case-hardened steel
- Typical gear wheel hardness 58 Rockwell C/720 HV



Shafts

- Drive and output shafts made from AISI 1015 or 4140
- Metric parallel key groove dimensions according to DIN 6885
- Inch-based parallel key groove dimensions according to DIN 6885
- Standard output shaft with threaded hole
- Customised shaft designs and materials



Bearings

- ABEC-1/P0 quality bearings
- Large output bearings
- High radial and axial loads possible



Installation

- Frictional and keyed torque transfer
- Standard reversing operation possible

Product options

Motors

- Motors: 0.12 – 4 kW
0.16 – 5 HP
- IEC adapter:
IEC 63 – IEC112
- NEMA adapter:
56C – N180TC

Lubricants

- ISO VG220 standard mineral oil
- Food-compatible or synthetic oil optional

Shaft seals

- NBR shaft sealing rings

NORD DRIVESYSTEMS Group

- Family business from Bargteheide near Hamburg with 4,000 employees
- Drive solutions for more than 100 branches of industry
- 7 production locations worldwide
- Present in 98 countries on 5 continents
- More information: www.nord.com

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