

NORDBLOC.1[®]

PARALLEL SHAFT GEAR UNITS



Performance Specifications

Configuration: Offset parallel
Motor Power kW: (min/max) 0.12 to 200
Motor Power HP: (min/max) 0.16 to 200
Number of gear stages: 2 to 6

Mounting Styles

Shaft mount housing standard

Integral torque support

Versatile mounting options:

B5 flange outside diameter range: [mm] 160 - 660

B5 flange outside diameter range: [in] 6.30 - 25.98

B14 flange bolt circle diameter range: [mm] 85 - 500

B14 flange bolt circle diameter range: [in] 3.35 - 19.69

Gear ratio, speed

Lowest standard gear ratio: 4.04:1

Highest standard gear ratio: 356.89:1

Output speed (50Hz): 1.20 to 358 rpm

Output speed (60Hz): 1.44 to 430 rpm

Compound gear units possible for lower output speeds

Options

Possible motor configuration – Integral, NEMA

or IEC adapters and custom solutions

Rubber buffer as shock dampener

Shrink disc

GRIPMAXX™

Solid output shaft (single or double sided)

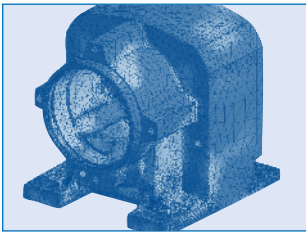
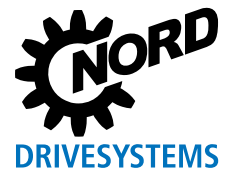
Reinforced bearings optional (agitator and drywell design)

Type	Ratio Range		Input Power Range Max*		Torque Max*		Hollow Shaft Dia.		Shrink Disc. Shaft Dia.		Solid Shaft	
	min	max	[kW]	[HP]	[Nm]	[lb-in]	[mm]	[in]	[mm]	[in]	[mm]	[in]
NEW SK 0182.1	4.85	153.54	0.75	1	130	1.151	25	1	25	1	25x50	0.750x1.50
NEW SK 0282.1	4.79	247.02	1.50	2	200	1.770	25; 30	1	25; 30	1	25x50	1.000x2.13
SK 1282	4.79	109.50	4	5	296	2620	30	1-3/16	30	1-3/16	30x60	1.250x2.75
NEW SK 1282.1	4.04	24.57	4	5	400	3.540	30; 35	1-3/16	30; 35	1-3/16	39x60	1.250x2.75
NEW SK 1382.1	28.54	356.89	2.2	3	400	3.540	30; 35	1-3/16	30; 35	1-3/16	30x60	1.250x2.75
SK 2282	4.51	127.51	7.5	10	563	4.983	35	1-7/16	35	1-7/16	35x70	1.375x2.75
SK 2382	82.22	763.41	1.1	1.5	563	4.983	35	1-7/16	35	1-7/16	35x70	1.375x2.75
SK 3282	4.48	112.23	9.2	10	1015	8.983	40	1-5/8	40	1-5/8	45x90	1.875x3.50
SK 3382	89.60	1022.42	1.1	1.5	1039	9.195	40	1-5/8	40	1-5/8	45x90	1.875x3.50
SK 4282	4.70	155.40	22	30	2000	17.700	50	2-1/16	50	2-1/16	55x110	2.250x4.00
SK 4382	66.65	1585.08	3	4	2077	18.381	50	2-1/16	50	2-1/16	55x110	2.250x4.00
SK 5282	4.32	134.03	37	50	3235	28.630	60	2-7/16	60	2-7/16	65x135	2.500x5.00
SK 5382	82.72	1367.08	5.5	7.5	3200	28.320	60	2-7/16	60	2-7/16	65x130	2.500x5.00
SK 6282	4.39	80.33	45	60	4537	40.152	70	2-3/4	70	2-3/4	75x140	3.000x5.00
SK 6382	24.42	551.58	30	40	6000	53.100	70	2-3/4	70	2-3/4	75x140	3.000x5.50
SK 7282	4.26	69.73	45	60	6473	57.286	80	3-3/16	80	3-3/16	90x170	3.500x6.75
SK 7382	23.46	338.79	45	60	8300	73.455	80	3-3/16	80	3-3/16	90x170	3.500x6.75
SK 8282	4.52	72.21	75	100	10620	93.987	100	4-1/16	100	4-1/16	110x210	4.250x8.50
SK 8382	30.92	386.68	45	60	13200	116.820	100	4-1/16	100	4-1/16	110x210	4.250x8.50
SK 9282	5.34	34.38	160	200	17930	158.681	120	4-3/4	125	4-3/4	140x250	5.250x9.84
SK 9382	35.61	352.36	75	100	25400	224.760	120	4-3/4	125	4-3/4	140x250	5.250x9.84
SK 10382.1	12.22	343.19	160	200	46810	414.269	160	6-1/4	160	6-1/4	160x300	6.250x11.81
SK 11382.1	16.37	167.17	200	200	76850	680.123	180	6-1/4	180	7	180x300	7.000x11.81

* Can differ depending on the gear ratio

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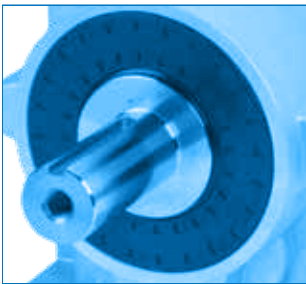
UNICASE housing

- Corrosion resistant, lightweight aluminum alloy
- Precision machined in one step
- Bearing and seal seats contained within the casting
- Precise alignment of shafts and gearing
- Optional housing: EN-GJL-HB 215 (Class 35) gray iron



High quality gearing

- Designed and manufactured up to AGMA class 13
- Gears hardened using NORD's state-of-the-art equipment
- High momentary overload capacity
- Case-hardened steel
- Minimum gear tooth hardness: 58 Rockwell C/720HV



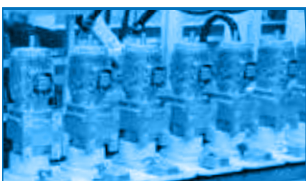
Shaft data

- Material for input and output shaft: AISI 1045 or 4140
- Metric parallel key dimensions as per DIN 6885
- Imperial parallel key dimensions as per AISI B17
- Solid Shaft End Tap per DIN 332
- Fixing element, shrink disc and GRIPMAXX™ optional
- Customer and application specific shaft design solutions



Bearings

- Bearings in ABEC-1/P0 quality
- Large output bearings
- High radial and axial loads possible
- Optional heavy duty output bearings available



Installation

- Non-positive and positive transmission of torques
- Reversible operation possible

Product options

Motors

- Motors: 0.16 – 30.0 HP
0.12 – 22 kW
- IEC adapter: IEC 63 - IEC 160
- NEMA adapter: 56C - 250TC
- Custom motor configuration solutions available

Lubricants

- Supplied as standard with ISO VG220 mineral oil
- Optional food grade or synthetic oil
- Supplied with drain plugs and optional oil sight glass

Shaft seals

- NBR shaft sealing rings
- Optional with FKM seals
- Double shaft sealing rings
- Option: prepared for long-term storage

Environmental protection

- High strength, corrosion resistant aluminum alloy housing is standard
- Paint coating solutions available for harsher environments
- Stainless steel shafts available
- Optional nsd tupH Sealed Surface Conversion System

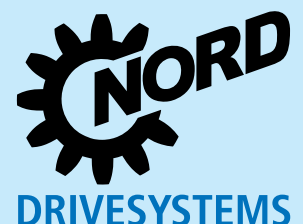
Optional

- Cast iron housing

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Global Vision, Local Support

NORD makes its wide product range easily available through a global network that includes representation in over 60 countries. By providing all of our customers with prompt delivery, and expert support services, we are firmly committed to exceeding customer expectations and being responsive to the ideas and specifications of every customer, anywhere in the world.