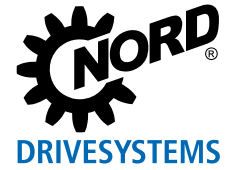


# NORDBLOC.1® PARALLEL SHAFT GEAR UNITS



## 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 (50 Hz):** 1.20 to 358 rpm

**Output speed (60 Hz):** 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)

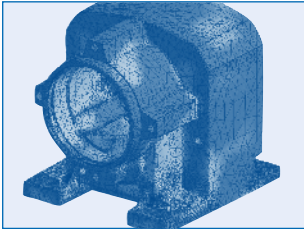
Reinforced bearings optional (agitator and drywell design)

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	1.5	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

# NORDBLOC.1®

## PARALLEL SHAFT GEAR UNITS



### 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 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
- Optional 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

### 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](http://www.nord.com)

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