



Product Code Model Code

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
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A Family

SEM2DN	Low Cost Gr2 Bidir.Motor-int.drain
SEM2NL	Low Cost Gr2 Bidirec.Motor-vert.drain
SEM2NN	Low Cost Gr2 Bidirec.Motor
SHM2GL	Hi.Press.Gr2 Bid.Mot.+Antic.Check Val-Vert.drain
SHM2IN	Hi.Press.Gr2 Bidir.Motor+Int.drain RV
SHM2NL	Hi.Press.Gr2 Bidirec.Motor-Vert.drain
SHM2NN	Hi.Press. Gr2 Bidirec.Motor
SHU2GN	Hi.Press. Gr2 Unidir.Motor+Anticav.Check valve
SHU2NN	High Press. Gr2 Unidir.Motor
SKU2NN	Big shaft GR2 Unidir.Motor
SNM2DN	Gr2 Bidir.Motor-Int.Drain
SNM2FL	Gr2 Bidir.Motor+Break.Valve-Vert.drain-Special
SNM2FN	Gr2 Bidir.Motor+Break.Valve-Special
SNM2GC	Gr2 Bidir.Motor+Anticav.Check Val.-Ax.drain
SNM2GL	Gr2 Bidir.Motor-Anticav.Check Val.-vert.drain
SNM2GN	Gr2 Bidir.Motor-Anticav.Check Valve
SNM2IL	Gr2 Bidir.Motor+Int.drain RV-Vert.drain

SNM2IN	Gr2 Bidir.Motor+Int.drain RV
SNM2JN	Gr2 Bid.Motor+Int.drain RV+Anticav.Check Valve
SNM2NC	Gr2 Bidir.Motor-Cover Ports-Ax.drain
SNM2NL	Gr2 Bidir.Motor-Vert.drain
SNM2NN	Gr2 Bidir.Motor
SNM2SN	Gr2 Bidir.Motor+by-pass electric valve-Special
SNU2EN	Gr2 Unidir.Motor+Ext.drain RV
SNU2GN	Gr2 Unidir.Motor+Anticav.Check Valve
SNU2GC	Gr2 Unidir.Motor-In./Out. on Cover+Anticav.Check Valve
SNU2IN	Gr2 Unidir.Motor+Int.drain RV
SNU2JN	Gr2 Unidir.Motor+Int.drain RV+Anticav.Check Valve
SNU2NC	Gr2 Unidir.Motor-In.-Out.on cover
SNU2NN	Gr2 Unidir.Motor
SNU2QN	Gr2 Unid.Motor-Ext.drain RV+Anticav.Check Valve
SNU2TN	Gr2 Unidir.Motor-Break.Valve as Anticav.Valve-Special

B Displacement

5,5	5,5 cc -Special
6,0	6,0 cc -Special
8,0	8,4 cc
9,0	9,0 cc -Special
9,5	9,5 cc -Special

011	10,8 cc
012	12,0 cc -Special
014	14,4 cc
017	16,8 cc
019	19,2 cc

021	21,0 cc -Special
022	22,8 cc
025	25,2 cc



C Rotation

B	Bidirectional
L	Unidirectional Left hand
R	Unidirectional Right hand

D Project version (value representing a change to the initial project)

N	Std Version of Project
2	Std Big-Shaft - Special Unbalanced
4	Precharged seal on cover-Special heavy-duty applications
6	Short version - Special

E Mounting flange

01	pilot Ø36,5+4 holes
02	pilot Ø80+4 holes
03	pilot Ø52+O-ring+4 holes through body
04	pilot Ø50+2 holes through body
05	pilot Ø50+2 holes through body
06	SAE A pilot Ø82,55+2 holes
B2	pilot Ø80+4 holes+special shaft seal slot - Special
L5	pilot Ø52 spigot Diameter+O-Ring+4 holes through body - Special
Q2	pilot Ø80+4 holes+fastening holes Ø10,5mm- Special
91	Outrigger Bearing Type 01+taper shaft 1:8-M12x1,25-Key4
92	Outrigger Bearing Type 02+taper shaft 1:5-M12x1,25-Key3
94	Outrigger Bearing Type 04+taper shaft 1:5-M12x1,25-Key3
9A	Outrigger Bearing Type 01+taper shaft 1:8-M12x1,25-Key3.2
9D	Outrigger Bearing Type 01+parallel shaft Ø15-Key4
9F	Outrigger Bearing Type 02+taper shaft 1:5-M14x1,5-Key4+special shaft seal RZB
9G	Outrigger Bearing Type 04+taper shaft 1:5-M12x1,25-Key3 + 4 M10 assembly thd holes "HELI-COIL- Special
9H	Outrigger Bearing Type 06+taper shaft 1:8-M12x1,25-Key4
9J	Outrigger Bearing Type 06 with parallel shaft Ø3/4 (Ø19.05 mm)
9L	Outrigger Bearing Type 01 parallel shaft Ø22 pilot Ø50,8
9M	Outrigger Bearing Type 01 parallel shaft Ø18 pilot Ø36,5



F Drive gear

AA	Taper 1:5-M12x1,25-Key 3
AC	Taper 1:5-M14x1,5-Key 4
AD	Taper 1:5-M12x1,25-Key 3-Drive - Special for Version 6
B1	Taper 1:8-M12x1,25-Key 4/6 lowered
BA	Taper 1:8-M12x1,25-Key 4
BB	Taper 1:8-M12x1,25-Key 4/3,2
BJ	Taper 1:8-M12x1,25-Key 4/3 black steel
CA	Tang 8x17,8xL6,5 FR03
CF	Tang 8x Ø17,46xL9,6-Special
DA	Spline DIN 5482 B17x14-L10
DB	Spline DIN 5482 B17x14-L14
DL	Spline DIN 5482 B17x14-L14+rear spline DIN 5482 17x14-L14 SC32..._2 - Special
EC	Spline DIN 5480 W20x1,25x14-9g - Special
FA	Parallel Ø15-L30+Key 4x25
GA	Parallel SAE Ø15,875-L23,8-Key 4x18
GB	Parallel SAE Ø15,875-L50,8-Key 4x40
GC	Parallel SAE Ø17,46-L24,4-Key 3/16x3/16xL20 - Special
SA	Spline SAE J498-9T-16/32
SB	Spline SAE J498-11T-16/32 -Special only for Version 2
SE	Spline SAE J498-9T-16/32+M6 thd hole
SF	Spline SAE J498-9T-16/32-reinforced fillet
SG	Spline SAE J498-11T-16/32-Special only for Version 2
SI	Spline SAE J498-11T-16/32-Special only for Version 2
TC	Spline SAE 13T-20/40-Special



G Rear cover

C7	Cover for unidirec. motors front SAE ports: Inlet 3/4-16UNF-2B;Outlet 3/4-16UNF-2B
E1	Cover for unidirectional motors with relief valve - external drain 3/8 Gas
E6	Cover for unidirectional motors with Relief Valve ext.drain 3/4-16UNF-2B
F1	Cover motor per braking valve and drain 1/4 Gas
F6	Cover motor per braking valve and drain 9/16-18UNF-2B
G1	Cover motor front ports:Inlet 1/2 G;Outlet 1/2 G;Drain 1/4 G
G6	Cover motor front ports:Inlet 7/8-14UNF;Outlet 7/8-14UNF;Drain 9/16-18UNF
I1	Cover for unidirectional motors with RV
J1	Cover motor per braking valve with drain in vertical axis 1/4 G
J6	Cover motor per braking valve with side drain in vertical axis 9/16-18UNF-2B
L1	Cover motor-drain in vertical axis 1/4 Gas
L3	Cover motor-drain in vertical axis 1/4 Gas for flange typo 03
L6	Cover motor-drain in vertical axis 9/16-18UNF-2B
L7	Cover motor-drain at 22° left 7/16-20UNF-2B
L8	Cover motor-drain in horizontal axis 9/16-18UNF-2B drain left
LC	Cover motor-drain in horizontal axis 1/4 Gas right side
LD	Cover motor-drain in horizontal axis 1/4 Gas left side
LE	Cover motor-drain in horizontal axis M12x1,25 ISO 6149
LF	Cover motor-drain in horizontal axis M12x1,5 right side
LH	Cover motor-drain in horizontal axis 9/16-18UNF-2B drain right

LS	Cover motor-drain at 22° left 7/16-20UNF-2B drive gear side
LT	Cover motor-drain in vertical axis 1/4 Gas for flange typo 03 drive gear side
LX	Cover motor-drain in vertical axis 9/16-18UNF-2B drive gear side
LZ	Cover motor-drain in vertical axis 1/4 Gas drive gear side
M1	Std cover motor drain 1/4 Gas driven side
M3	Std cover motor drain 1/4 Gas for flange typo 03
M4	Std cover motor drain 9/16-18UNF-2B for flange typo 03
M6	Std cover motor drain 9/16-18UNF-2B
M7	Std cover motor-drain 1/4 Gas drive side
M8	Special intermediate motor flange typo 01-drain 1/4 Gas - Special
P1	Std cover for unidirectional motors
P3	Std cover for unidirectional motors for flange typo 03
S1	Cover motor-Electric-piloted distributor+by-pass-drain vert.1/4 G-In-Out 1/2 G - Special
T1	Cover motor per braking valve used as anti-cavitation valve internal drain - Special
v1	Cover motor per RV with drain 1/4 Gas
v2	Cover motor per RV with drain vertical axis 1/4 Gas driven side
v6	Cover motor per RV with drain 9/16-18UNF-2B
v7	Cover motor per RV with drain vertical axis 9/16-18UNF-2B driven side



H Inlet size I Outlet size

NN	Without inlet	
B3	13,5x30xM6 in X	
B5	15x35xM6	
B6	15x40xM6	
B7	20x40xM6	
BB	27x55xM8	
C2	12x26xM5	
C3	13,5x30xM6	
C4	15x35xM6 DXK(+)	
C5	13,5x40xM8	
C6	20x40xM6 DXK(+)	
C7	20x40xM8	
C8	23,5x40xM8	
CS	13,5x30xM6 (2 holes)	
CV	20x40xM8 (2 holes at 30°)	
CX	20x40xM8 (2 holes)	
CY	20x40xM8 (3 holes)	
D4	M16x1,5	
D5	M18x1,5	
D7	M22x1,5	
D9	M26x1,5	
E3	9/16-18UNF	
E4	3/4-16UNF	
E5	7/8-14UNF	
E6	1-1/16-12UN	
E8	1-5/16-12UN	

F3	3/8 GAS	
F4	1/2 GAS	
F5	3/4 GAS	
F6	1 GAS	
H5	M18x1,5-ISO6149	
H7	M22x1,5-ISO6149	
H8	M27x2-ISO6149	
H9	M33x2-ISO6149	
M1	12x17,48x38,1xM6	
M2	12x17,48x38,1xM8	
M3	18,5x17,48x38,1xM8	
M5	25/20x52,37x26,19xM10	
MB	12x38,1x17,48xM8(=)	
MC	18,5x47,63x22,23xM6(=)	
MD	18,5x47,63x22,23xM8(=)	
ME	18,5x47,63x22,23xM10(=)	
MG	25/20x52,37x26,19xM10(=)	
MH	31/25x58,72x30,18xM10(=)	

J Ports Pos & Spec Body

NN	Std from catalogue
YY	Port Bx-Bx with flange SAE-A; off-set to rear cover
EU	Dist. from front flange=58,5 - Special
F9	Dist. from front flange=69 - Special
PL	Inlet port Left position looking gear drive from front flange

PR	Inlet port Right position looking gear drive from front flange
TD	Nr.4 milling D.27 tigh.16 flange side - Special
TE	Nr.4 milling D.27 tigh.20 flange side - Special
ZZ	Port Bx-Bx in the center of the body - Option



K Seals

N	Standard NBR seals
B	VITON seals (only for unidirectional motors)
D	VITON shaft seal with dust lip (type BABSL)
F	VITON seals except for shaft seal - Special
X	NBR seals+Dust Cover
Y	VITON seals + Dust Cover
Z	VITON shaft seal + Dust Cover

L Screws

N	Std burnished screws
A	Zinc plated screws
C	Galvanized nuts - Special

M Set valves

NNN	No valve
V**	not defined-pressure no setting :oil ISO VG68-45°

N Type of mark

N	Standard Turolla Marking
A	Standard Turolla Marking+Customer Code-Special
Z	Without Marking

O Mark position

N	Std Marking position (on top)
A	Special Marking position on the bottom



Outrigger bearing assembly – SNM2NN

An **outrigger bearing** is available for applications with high radial or thrust loads on the shaft. This option is used primarily for applications with high shaft loads. The design utilizes roller bearings in the front mounting flange. These bearings absorb the radial and thrust loads on the shaft so that the life of the motor is not affected. The use of roller bearings allows life to be described in B_{10} hours.

Available configurations



Flange/Shaft Code*	Mounting Flange	Shaft
9A	European 4-bolt	Taper 1:8
9F	German PTO	Taper 1:5
94	German 4-bolt	Taper 1:5
9H	SAE A	Taper 1:8
9J	SAE A	Parallel

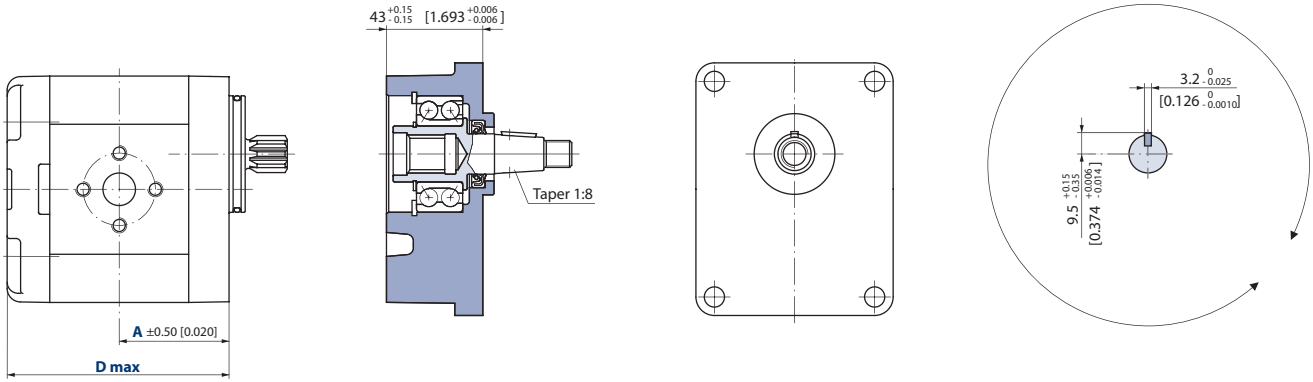
* Codes represent assembly (complete motor with outrigger bearing).

The table above shows applicable variant codes for ordering motors with outrigger bearing. Refer to **Model Code**, page 31 for more information.

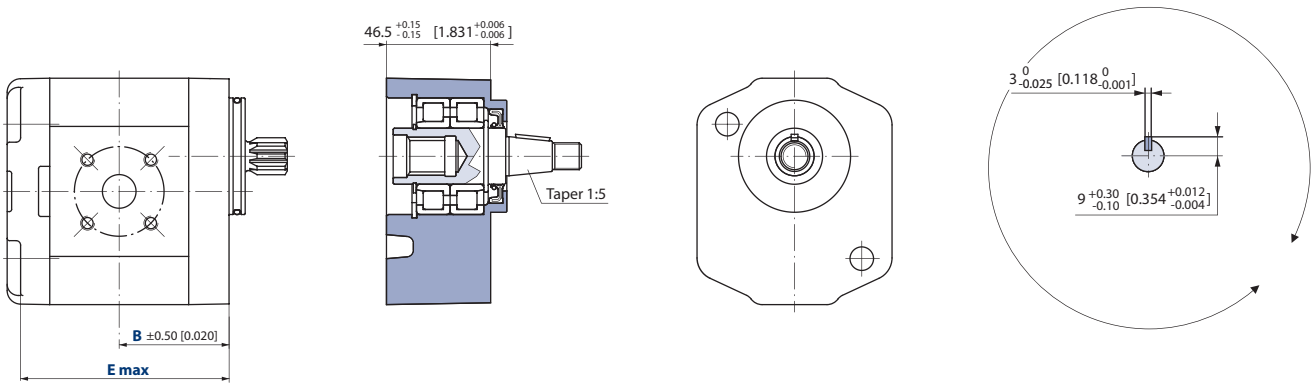


Outrigger bearing 9A

mm
[in]



Outrigger bearing 94



Outrigger bearing 9J

