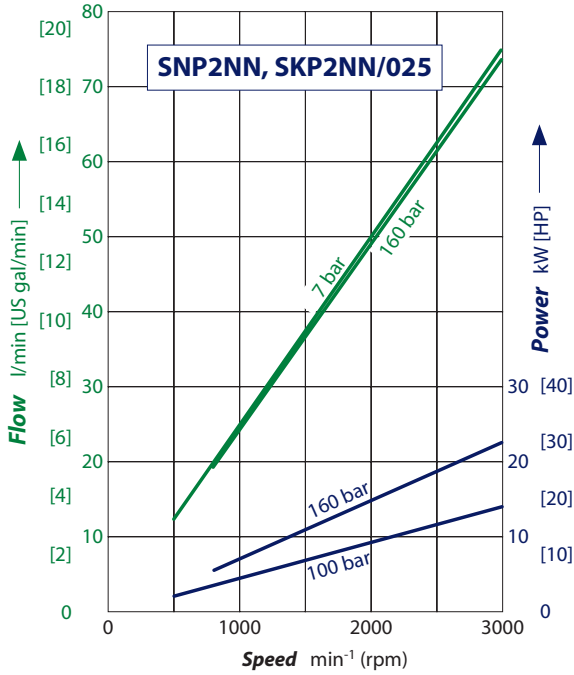
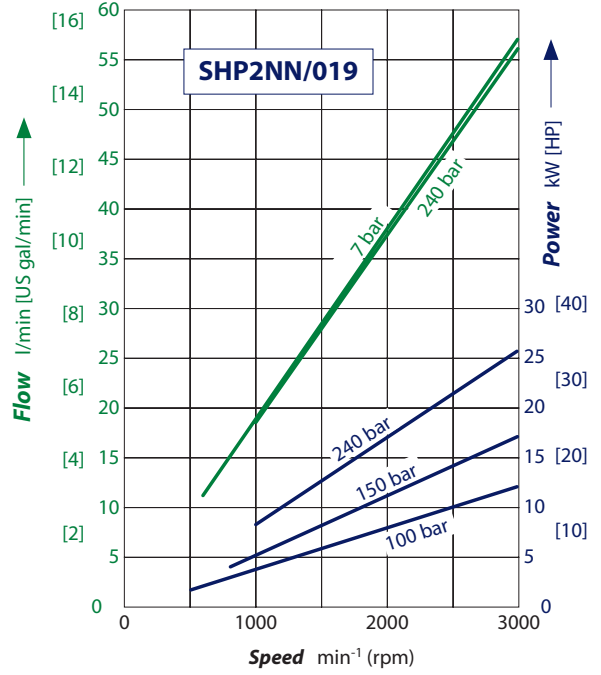




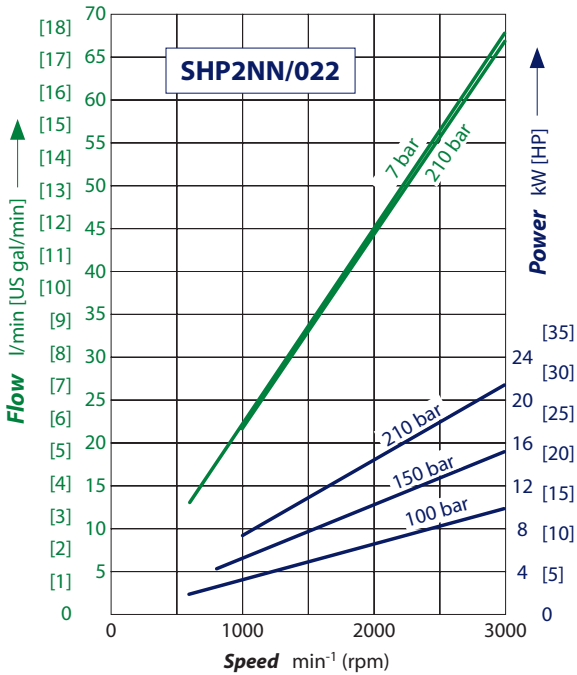
Performance graph for 025 frame size



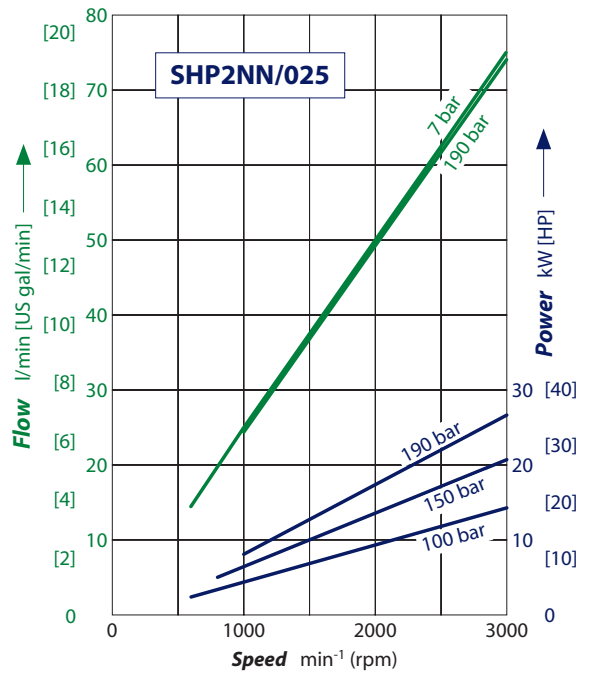
Performance graph for 019 frame size



Performance graph for 022 frame size



Performance graph for 025 frame size

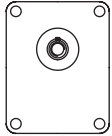
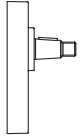
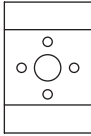
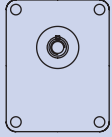
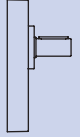
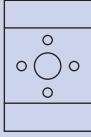
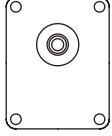
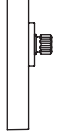
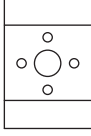
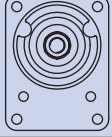
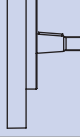
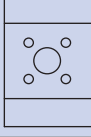
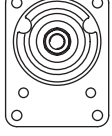
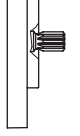
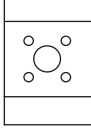
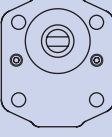
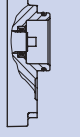
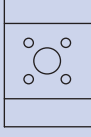


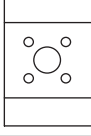
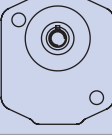
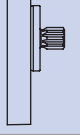
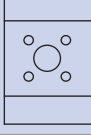
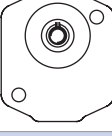

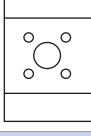
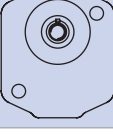
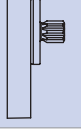
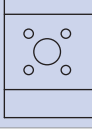




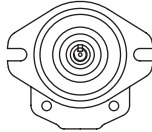
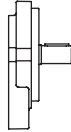
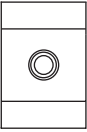
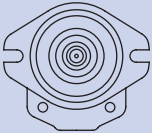
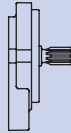
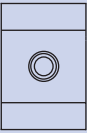
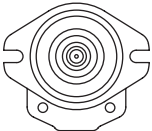
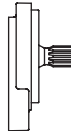
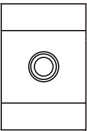
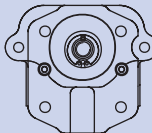
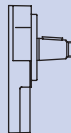
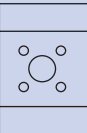
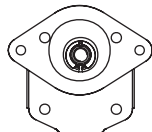
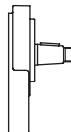
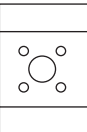
Product Options

Flange, shaft and ports configurations

Available flange, shaft and ports configurations

Code	Flange	Shaft	Ports
01BA	pilot Ø 36.5 mm [1.438 in] European 01, 4-bolt 	1:8 tapered 	European flanged, + pattern 
01FA	pilot Ø 36.5 mm [1.438 in] European 01, 4-bolt 	Ø 15 mm [0.59 in] parallel 	European flanged, + pattern 
01DA	pilot Ø 36.5 mm [1.438 in] European 01, 4-bolt 	Splined 9T - m 1.60 DIN 5482-B17x14 	European flanged, + pattern 
02AA	pilot Ø 80 mm [3.15 in] German PTO, 4-bolt 	1:5 tapered 	German std, X pattern 
02DB	pilot Ø 80 mm [3.15 in] German PTO, 4-bolt 	Splined 9T - m 1.60 DIN 5482-B17x14 	German std, X pattern 
03CA	Turolla 03 	Turolla tang 	German std, X pattern 
04AA	pilot Ø 50 mm [1.969 in] German PTO, 2-bolt 	1:5 tapered 	German std, X pattern 
04DB	pilot Ø 50 mm [1.969 in] German PTO, 2-bolt 	Splined 9T - m 1.60 DIN 5482-B17x14 	German std, X pattern 
05AA	pilot Ø 50 mm [1.969 in] German PTO, 2-bolt 	1:5 tapered 	German std, X pattern 
05DB	pilot Ø 50 mm [1.969 in] German PTO, 2-bolt 	Splined 9T - m 1.60 DIN 5482-B17x14 	German std, X pattern 



Code	Flange		Shaft		Port	
06GA	pilot Ø 82.55 mm [3.25 in] SAE A, 2-bolt		Ø 15.875 mm [0.625 in] parallel		Threaded SAE O-Ring boss	
06SA	pilot Ø 82.55 mm [3.25 in] SAE A, 2-bolt		9-teeth splined SAE spline J 498- 9T-16/32DP		Threaded SAE O-Ring boss	
06SB	pilot Ø 82.55 mm [3.25 in] SAE A, 2-bolt		11-teeth splined SAE spline J 498- 11T-16/32DP		Threaded SAE O-Ring boss	
09BJ	pilot Ø 52.34 mm [2.061 in] Perkins 4.236 timing case		1:8 tapered		German std X pattern	
A9BJ	pilot Ø 52.34 mm [2.061 in] Perkins 900 series		1:8 tapered		German std X pattern	



Mounting flanges

Turolla offers many types of industry standard mounting flanges. This table shows order codes for each available mounting flange and its intended use:

Flange availability

	A		B	C	D	E	F	G	H	I	J	K	L	M	N	O	
	<input type="text"/>	/	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	/	<input type="text"/>	<input type="text"/>	<input type="text"/>

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
A4	pilot Ø50+2 holes through body+seal on pilot (BAW)
05	pilot Ø50+2 holes through body
06	SAE A pilot Ø82,55+2 holes
A6	SAE A pilot Ø82,55+2 holes+seal on pilot (BAW)
09	pilot Ø52,34+2 threaded holes
91	Outrig. Type 01+taper shaft 1:8-M12x1,25-Key4 - Outrigger bearing
94	Outrig. Type 04+taper shaft 1:5-M12x1,25-Key3 - Outrigger bearing
9A	Outrig. Type 01+taper shaft 1:8-M12x1,25-Key3.2 - Outrigger bearing
9B	Outrig. Type 01+taper shaft 1:8-M12x1,25-Key4+pilot Ø50,8 (LLF) - Outrigger bearing
9C	Outrig. Type 01+taper shaft 1:8-M12x1,25-Key3.2+ radial roller bearing (MMN) - Outrigger bearing
9F	Outrig. Type 02+taper shaft 1:5-M14x1,5-Key4+special shaft seal RZB - Outrigger bearing
9J	Outrig. Type 06 with parallel shaft Ø3/4 (Ø19.05 mm) - Outrigger bearing
9L	Outrig. Type 01 parallel shaft Ø22 pilot Ø50,8 - Outrigger bearing
9M	Outrig. Type 01 parallel shaft Ø18 pilot Ø36,5 - Outrigger bearing



Shaft options

Direction is viewed facing the shaft. Group 2 pumps are available with a variety of tang, splined, parallel, and tapered shaft ends. Not all shaft styles are available with all flange styles.

Shaft versus flange availability and torque capability



Shaft		Mounting flange code with maximum torque in N·m [lbf·in]							
Description	Code	01	02	03	04	05	06	09	A9
Taper 1:5	AA	-	140 [1239]	-	140 [1239]	140 [1239]	-	-	-
Taper 1:8	BA	150 [1328]	-	-	-	-	-	150 [1328]	150 [1328]
DIN spline B17x14	DA	90 [797]	-	-	-	-	-	-	-
DIN spline B17x14	DB	-	130 [1151]	-	130 [1151]	130 [1151]	-	-	-
SAE spline 9T 16/32p	SA	-	-	-	-	-	75 [646]	-	-
SAE spline 11T 16/32p	SB	-	-	-	-	-	150 [1328]	-	-
Parallel 15 mm [0.590 in]	FA	90 [797]	-	-	-	-	-	-	-
Parallel 15.875 mm [0.625 in]	GA	-	-	-	-	-	80 [708]	-	-
Turolla Tang	CA	-	-	70 [620]	-	-	-	-	-

Recommended mating splines for Group 2 splined output shafts should be in accordance with SAE J498 or DIN 5482. Turolla external SAE splines are flat root side fit with circular tooth thickness reduced by 0.127 mm [0.005 in] in respect to class 1 fit. The external DIN splines have an offset increased by 0.1 mm [0.004 in.] These dimensions are modified in order to assure a clearance fit with the mating spline.

Other shaft options may exist. Contact your Turolla representative for availability.

! Caution

Shaft torque capability may limit allowable pressure. Torque ratings assume no external radial loading. Applied torque must not exceed these limits, regardless of stated pressure parameters. Maximum torque ratings are based on shaft torsional fatigue strength.



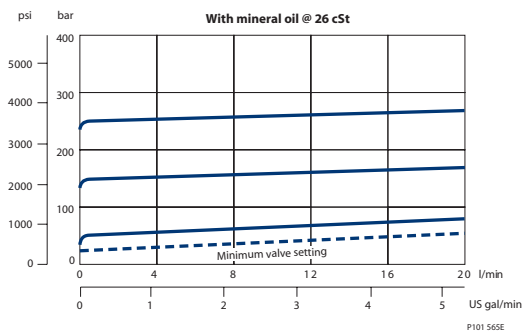
Pumps with integral relief valve • SNP2EN and SNP2IN

Group 2 pumps are offered with an optional **integral relief valve** in the rear cover. This valve can have an internal (SNP2IN) or external (SNP2EN) drain. This valve opens directing all flow from the pump outlet to the internal or external drain when the pressure at the outlet reaches the valve setting. This valve can be ordered preset to the pressures shown in the table below. Valve performance curve, rear cover cross-section and schematics are shown below.

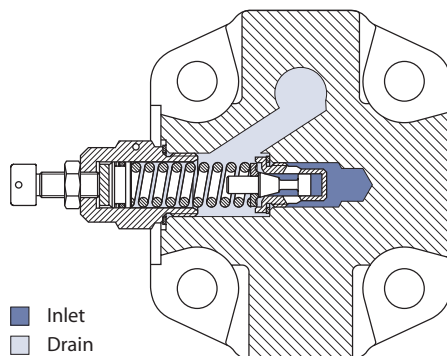
⚠ Caution

When the relief valve is operating in bypass condition, rapid heat generation occurs. If this bypass condition continues, the pump prematurely fails. The reason for this is that it is a rule, not an exception. When frequent operation is required, external drain option (SNP2EN) must be used.

Valve performance graph

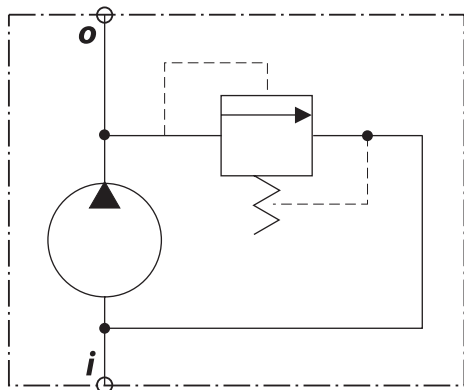


Integral relief valve cross-section

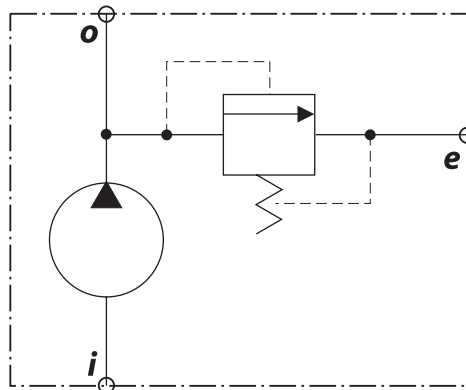


Integral relief valve schematics

Integral relief valve schematic (internal drain)



Integral relief valve schematic (external drain)



Where:
i = inlet
o = outlet
e = external drain



Variant codes for ordering integral relief valves

The tables below detail the various codes for ordering integral relief valves in **L** section of model code.



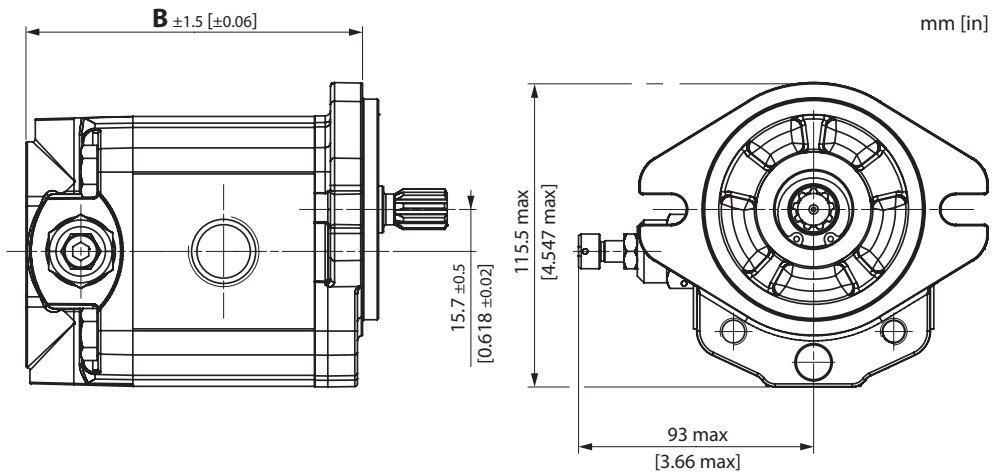
Code	Pump speed for RV setting
A	Not defined
C	500 min ⁻¹ (rpm)
E	1000 min ⁻¹ (rpm)
F	1250 min ⁻¹ (rpm)
G	1500 min ⁻¹ (rpm)
K	2000 min ⁻¹ (rpm)
I	2250 min ⁻¹ (rpm)
L	2500 min ⁻¹ (rpm)
M	2800 min ⁻¹ (rpm)
N	3000 min ⁻¹ (rpm)
O	3250 min ⁻¹ (rpm)

Code	Pressure setting
A	No setting
B	No valve
C	18 bar [261 psi]
D	25 bar [363 psi]
E	30 bar [435 psi]
F	35 bar [508 psi]
G	40 bar [580 psi]
K	50 bar [725 psi]
L	60 bar [870 psi]
M	70 bar [1015 psi]
N	80 bar [1160 psi]
O	90 bar [1305 psi]
P	100 bar [1450 psi]
Q	110 bar [1595 psi]
R	120 bar [1740 psi]
S	130 bar [1885 psi]
T	140 bar [2030 psi]
U	160 bar [2320 psi]
V	170 bar [2465 psi]
W	180 bar [2611 psi]
X	210 bar [3046 psi]
Y	240 bar [3480 psi]
Z	250 bar [3626 psi]

For pressures higher than 210 bar [3046 psi] and lower than 40 bar [580 psi] apply to your Turolla representative.



Integral relief valve covers SNP2IN



Dimensions of integral relief valve cover with SAE flange

Type	4,0	6,0	8,0	011	014	017	019	022	025
B	110.0	113.5	117.5	121.5	127.5	131.5	135.5	141.5	145.5
mm [in]	[4.33]	[4.47]	[4.63]	[4.78]	[5.02]	[5.18]	[5.33]	[5.57]	[5.73]



Outrigger bearing

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 such as to belt or chain drives. 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 pump is not affected. The use of roller bearings allows life to be described in B_{10} hours.

Available configurations

Codes **9ADB**, **9FDB**, **94DB**, **9HDB** and **9JDB** represent assembly (pump complete with outrigger bearing).



Code	Shaft	Mounting flange
9A	Taper 1:8	European 4-bolts
9F	Taper 1:5	German PTO
94	Taper 1:5	German 4-bolts
9H	Taper 1:8	SAE A
9J	Parallel	SAE A

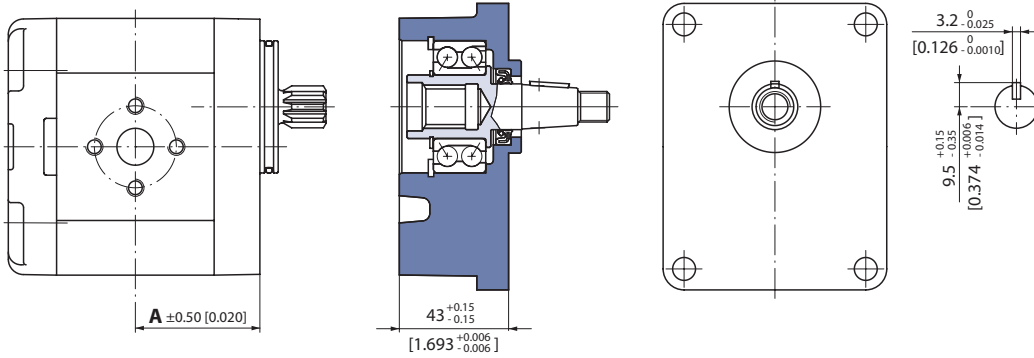


Outrigger bearings assembly

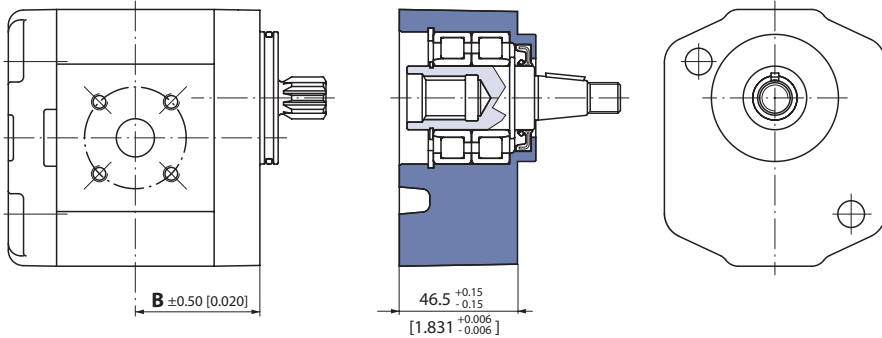
Dimensions

mm [in]

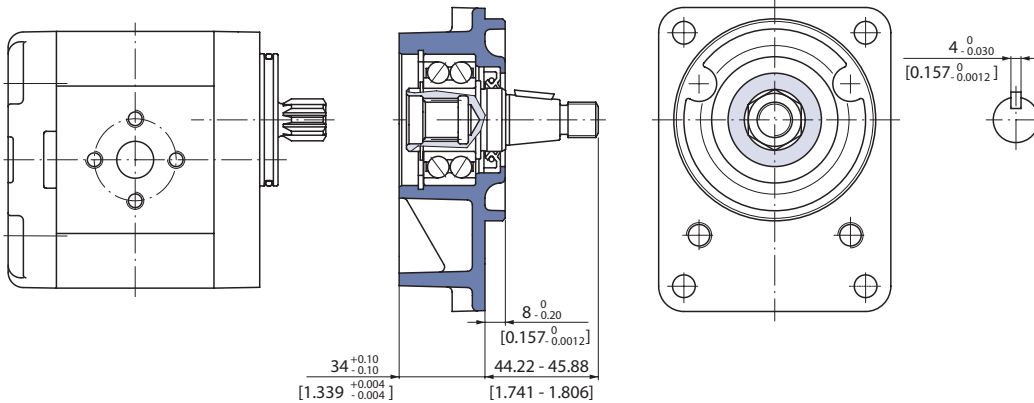
Outrigger bearing type 9A



Outrigger bearing type 94

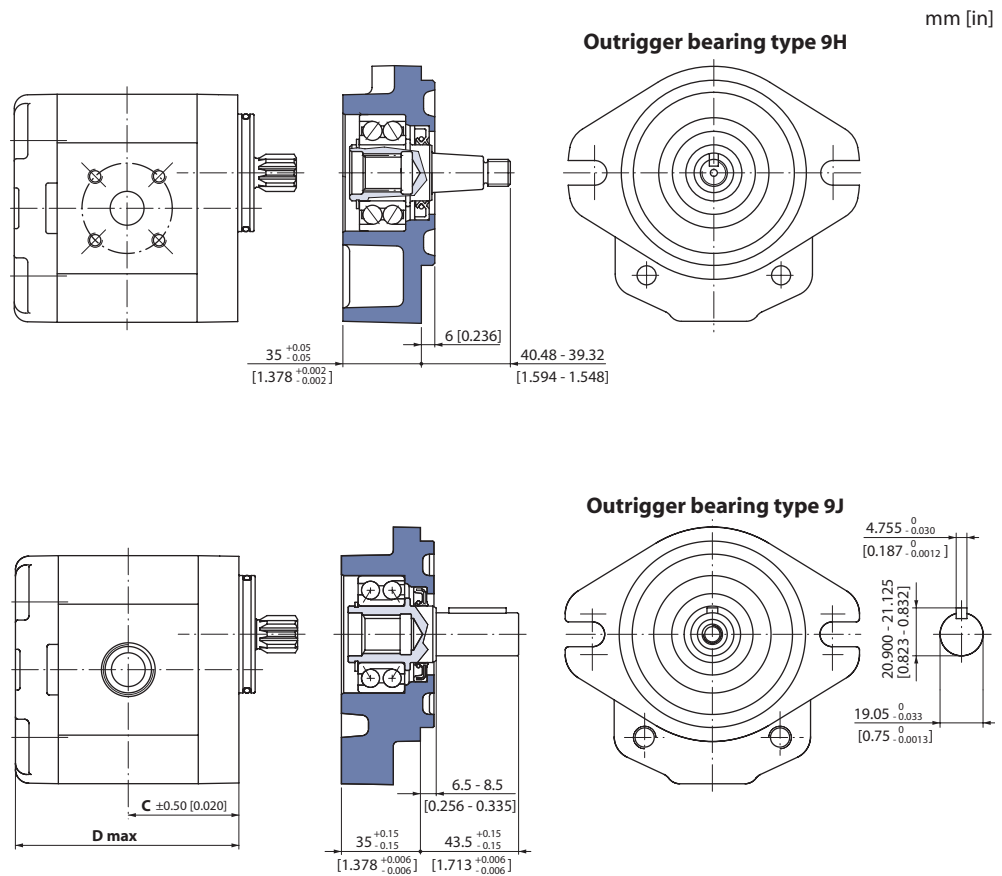


Outrigger bearing type 9F





Dimensions



Dimensions

Type vs. Dimension	4,0	6,0	8,0	011	014	017	019	022	025
A	43.25 [1.703]	45 [1.772]	45 [1.772]	49 [1.929]	52 [2.047]	52 [2.047]	56 [2.205]	59 [2.323]	59 [2.323]
B	37.3 [1.469]	38.6 [1.520]	40.6 [1.598]	45 [1.772]	45 [1.772]	45 [1.772]	45 [1.772]	52.5 [2.067]	62 [2.441]
C	43.25 [1.703]	45 [1.772]	47 [1.850]	49 [1.929]	52 [2.047]	54 [2.126]	56 [2.205]	59 [2.323]	61 [2.402]
D	90 [3.543]	93.5 [3.681]	97.5 [3.839]	101.5 [3.996]	107.5 [4.232]	111.5 [4.390]	115.5 [4.574]	121.5 [4.783]	125.5 [4.941]



Auxiliary mounting pads

SAE A auxiliary mounting pads are available for all Group 2 pumps with SAE A front flange and coupling 9 teeth 16/32 pitch. These pads are used for mounting auxiliary hydraulic pumps or creating special tandem gear pumps.

To order pumps with SAE A auxiliary mounting flange:

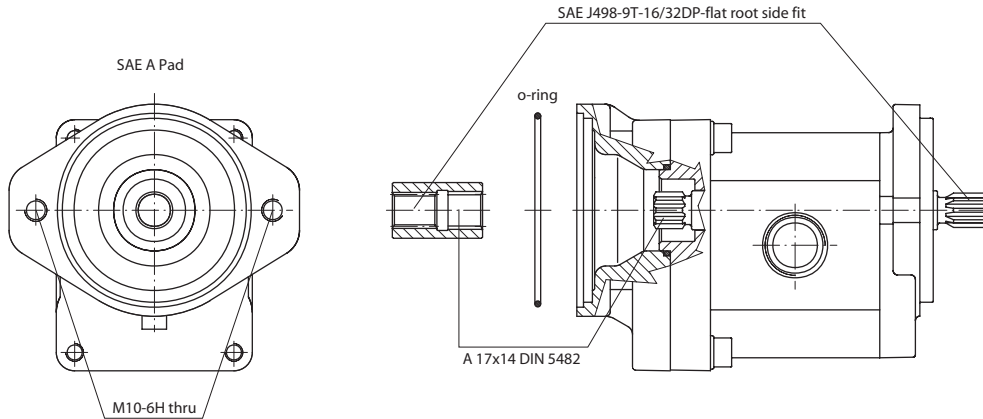
- Specify **06SL** in field **E** of the model code as shown below
- Order the auxiliary mounting pad kit, part number 818.20.079.0K

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
□ □ □ □ □ □ □ □	/	□ □ □ □	□ □	0 6	S L	□ □ □ □	□ □ □ □	□ □ □ □	□ □ □ □	□ □ □ □	□ □ □ □	□ □ □ □	□ □ □ □	□ □ □ □

Since the drive coupling is lubricated with oil from the main pump inlet, an O-ring must be used to seal the auxiliary pump-mounting flange to the pad.

- The combination of auxiliary mounting pad shaft torque, plus the main pump torque should not exceed the maximum pump input shaft rating 75 N•m [664 lbf•in].
- All torque values assume a 58 HRC shaft spline hardness on mating pump shaft.

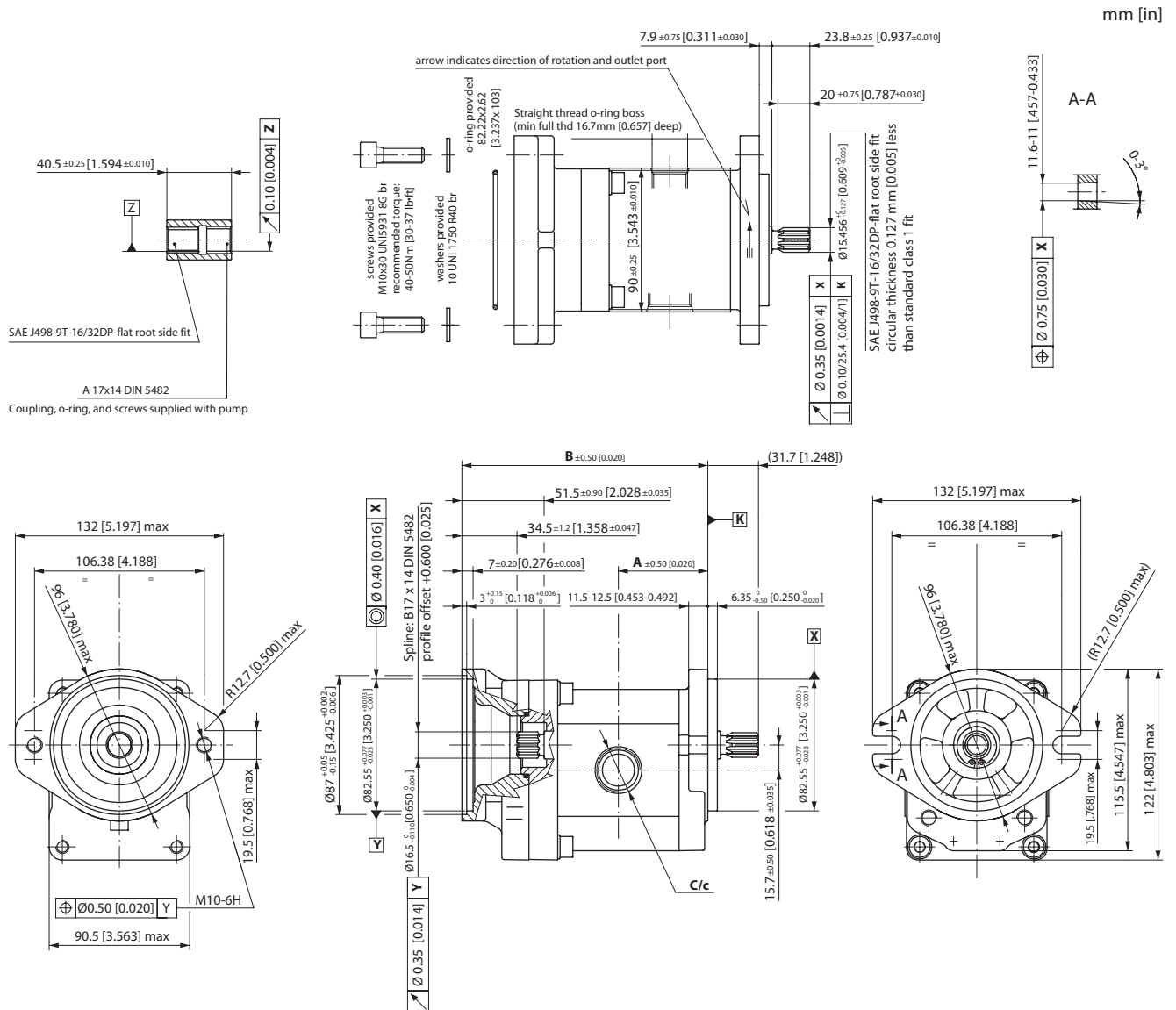
Outline drawing with the dimensions of the auxiliary pump mounting flange and shaft.





Auxiliary mounting pads

Dimensions for SNP2NN / 06SL flange/shaft option with auxiliary mounting pad kit installed



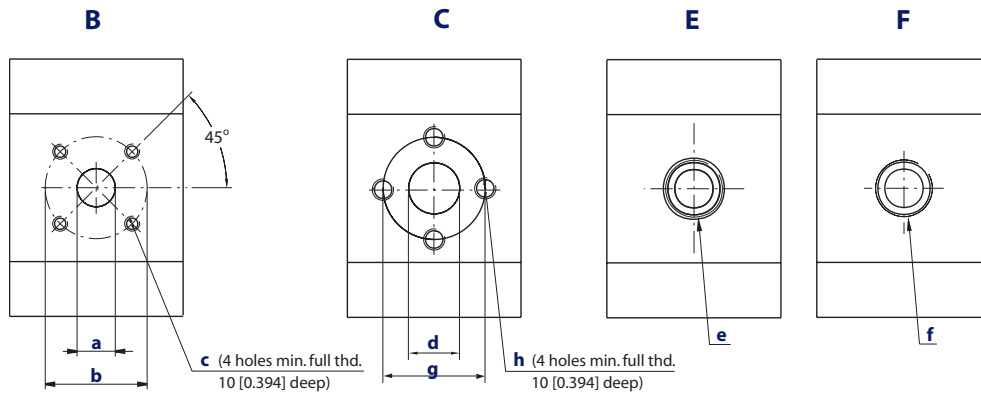
Dimensions

Type (displacement)	4,0	6,0	8,0	011	014	017	019	022	025
A	43.25 [1.703]	45.0 [1.772]	47.0 [1.850]	49.0 [1.929]	52.0 [2.047]	54.0 [2.126]	56.0 [2.205]	59.0 [2.323]	61.0 [2.402]
B	128.5 [5.059]	132 [5.197]	136 [5.354]	140 [5.512]	146 [5.748]	150 [5.906]	154 [6.063]	160 [6.299]	164 [6.457]
Inlet C	1.063 (1 1/16) 12UN - 2B; 18 mm [0.709 in] deep								
Outlet c	0.875 (7/8) - 14UNF - 2B; 16.7 mm [0.658 in] deep								



Pump ports

Available pump ports



Dimensions of pumps ports

Port type		B Style			C Style			E Style	F Style	
Port dimensions		a	b	c	d	g	h	e	f	
Frame size	4,0	Inlet	15 [0.591]	40 [1.575]	M6	13.5 [0.531]	30 [1.181]	M6	1 1/16-12UNF-2B	1/2 Gas (BSPP)
		Outlet	15 [0.591]	35 [1.378]	M6	13.5 [0.531]	30 [1.181]	M6	7/8-14UNF-2B	1/2 Gas (BSPP)
	6,0	Inlet	15 [0.591]	40 [1.575]	M6	13.5 [0.531]	30 [1.181]	M6	1 1/16-12UNF-2B	1/2 Gas (BSPP)
		Outlet	15 [0.591]	35 [1.378]	M6	13.5 [0.531]	30 [1.181]	M6	7/8-14UNF-2B	1/2 Gas (BSPP)
	8,0	Inlet	20 [0.787]	40 [1.575]	M6	13.5 [0.531]	30 [1.181]	M6	1 1/16-12UNF-2B	1/2 Gas (BSPP)
		Outlet	15 [0.591]	35 [1.378]	M6	13.5 [0.531]	30 [1.181]	M6	7/8-14UNF-2B	1/2 Gas (BSPP)
	011	Inlet	20 [0.787]	40 [1.575]	M6	13.5 [0.531]	30 [1.181]	M6	1 1/16-12UNF-2B	3/4 Gas (BSPP)
		Outlet	15 [0.591]	35 [1.378]	M6	13.5 [0.531]	30 [1.181]	M6	7/8-14UNF-2B	1/2 Gas (BSPP)
	014	Inlet	20 [0.787]	40 [1.575]	M6	20.0 [0.787]	40 [1.575]	M8	1 1/16-12UNF-2B	3/4 Gas (BSPP)
		Outlet	15 [0.591]	35 [1.378]	M6	13.5 [0.531]	30 [1.181]	M6	7/8-14UNF-2B	1/2 Gas (BSPP)
	017	Inlet	20 [0.787]	40 [1.575]	M6	20.0 [0.787]	40 [1.575]	M8	1 1/16-12UNF-2B	3/4 Gas (BSPP)
		Outlet	15 [0.591]	35 [1.378]	M6	13.5 [0.531]	30 [1.181]	M6	7/8-14UNF-2B	1/2 Gas (BSPP)
	019	Inlet	20 [0.787]	40 [1.575]	M6	20.0 [0.787]	40 [1.575]	M8	1 1/16-12UNF-2B	3/4 Gas (BSPP)
		Outlet	15 [0.591]	35 [1.378]	M6	13.5 [0.531]	30 [1.181]	M6	7/8-14UNF-2B	1/2 Gas (BSPP)
	022	Inlet	20 [0.787]	40 [1.575]	M6	20.0 [0.787]	40 [1.575]	M8	1 1/16-12UNF-2B	3/4 Gas (BSPP)
		Outlet	15 [0.591]	35 [1.378]	M6	13.5 [0.531]	30 [1.181]	M6	7/8-14UNF-2B	1/2 Gas (BSPP)
	025	Inlet	20 [0.787]	40 [1.575]	M6	23.5 [0.925]	40 [1.575]	M8	1 1/16-12UNF-2B	1 Gas (BSPP)
		Outlet	15 [0.591]	35 [1.378]	M6	20.0 [0.787]	40 [1.575]	M8	7/8-14UNF-2B	3/4 Gas (BSPP)

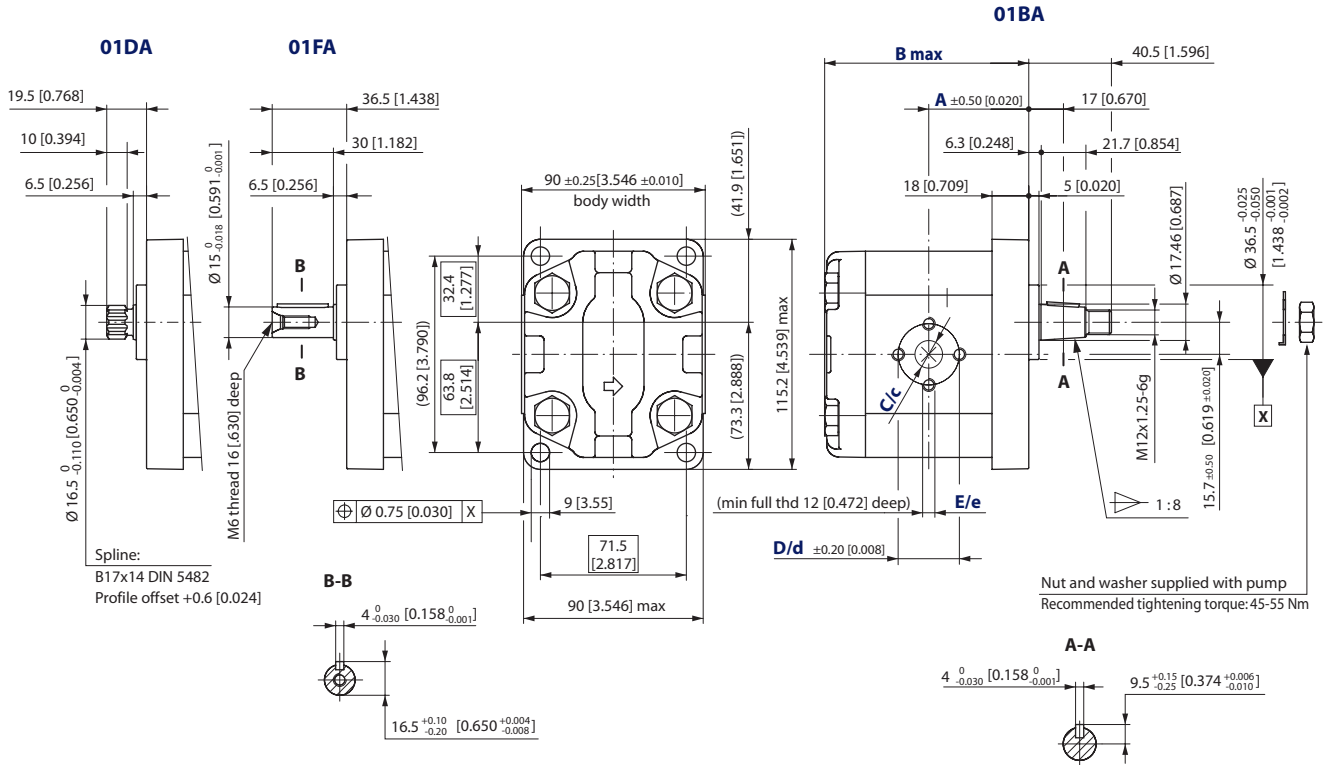


Dimensions

SNP2NN – 01DA, 01FA and 01BA

Standard porting for 01DA, 01FA and 01BA

mm [in]



SNP2NN – 01BA, 01FA and 01DA dimensions

Frame size		4,0	6,0	8,0	011	014	017	019	022	025
Dimension	A	43.25 [1.703]	45 [1.772]	45 [1.772]	49 [1.929]	52 [2.047]	52 [2.047]	56 [2.205]	59 [2.323]	59 [2.323]
	B	90.0 [3.543]	93.0 [3.681]	97.5 [3.839]	101.5 [3.996]	107.5 [4.232]	111.5 [4.390]	115.5 [4.574]	121.5 [4.783]	125.5 [4.941]
Inlet	C	13.5 [0.531]	13.5 [0.531]	13.5 [0.531]	13.5 [0.531]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	23.5 [0.925]
	D	30 [1.181]	30 [1.181]	30 [1.181]	30 [1.181]	40 [1.575]	40 [1.575]	40 [1.575]	40 [1.575]	40 [1.575]
	E	M6				M8				
Outlet	c	13.5 [0.531]							20 [0.787]	
	d	30 [1.181]							40 [1.575]	
	e	M6							M8	

Model code examples and maximum shaft torque

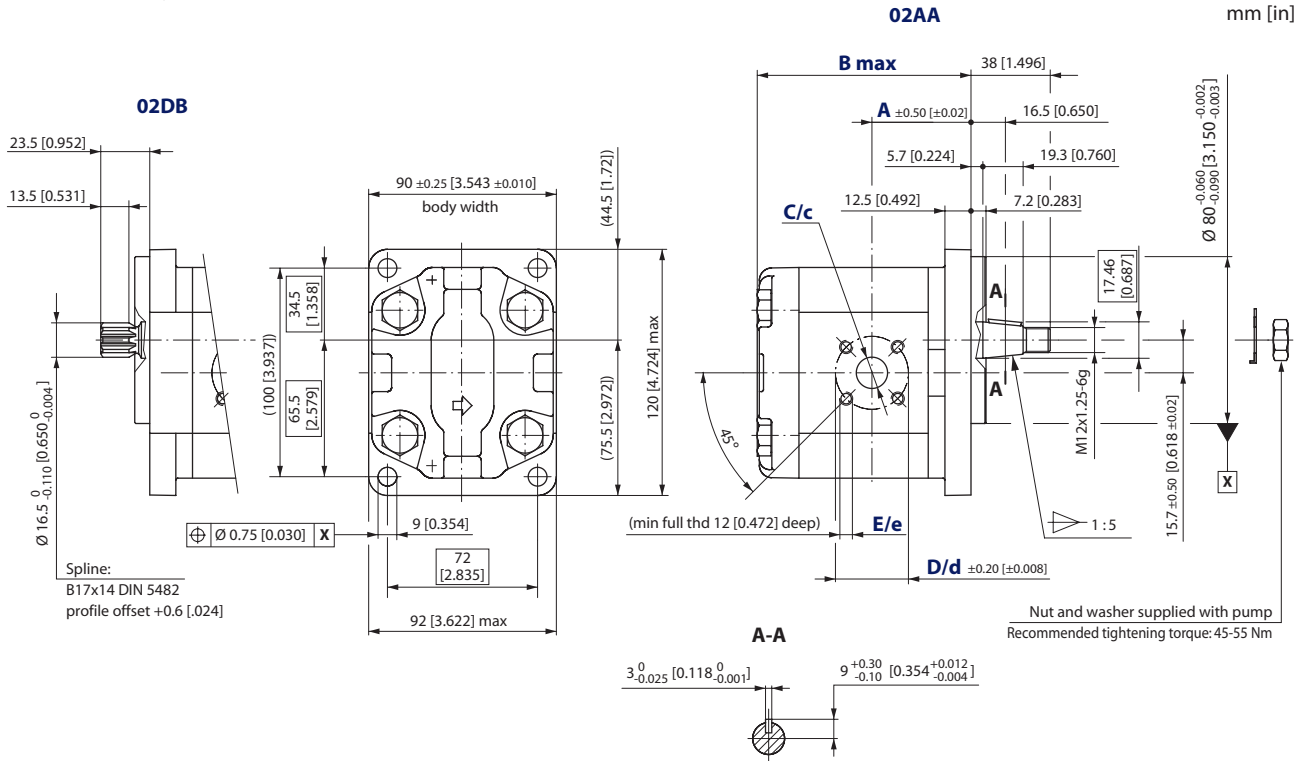
Flange/drive gear	Model code example	Maximum shaft torque
01DA	SNP2NN/014LN01DAP1C7C3NNNN/NNNN	90 N•m [797 lbf•in]
01FA	SNP2NN/019LN01FAP1C7C3NNNN/NNNN	90 N•m [797 lbf•in]
01BA	SNP2NN/8,0LN01BAP1C3C3NNNN/NNNN	150 N•m [1328 lbf•in]

For further details on ordering, see **Model Code**, pages 8-13.



SNP2NN – 02DB and 02AA

Standard porting for 02DB and 02AA



SNP2NN – 02DB and 02AA dimensions

Frame size		4,0	6,0	8,0	011	014	017	019	022	025	
Dimension	A	39.8 [1.567]	41.1 [1.618]	43.1 [1.697]	47.5 [1.870]	47.5 [1.870]	47.5 [1.870]	47.5 [1.870]	55 [2.165]	64.5 [2.539]	
	B	92.5 [3.642]	96 [3.780]	100 [3.937]	104 [4.094]	110 [4.331]	114 [4.488]	118 [4.646]	124 [4.882]	128 [5.039]	
Inlet	C	15 [0.591]	15 [0.591]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	
	D	40 [1.575]									
	E	M6									
Outlet	c	15 [0.591]									
	d	35 [1.378]									
	e	M6									

Model code examples and maximum shaft torque

Flange/drive gear	Model code example	Maximum shaft torque
02DB	SNP2NN/017LN02DBP1B7B5NNNN/NNNNN	130 N·m [1151 lbf·in]
02AA	SNP2NN/6,0RN02AAP1B6B5NNNN/NNNNN	140 N·m [1239 lbf·in]

For further details on ordering, see **Model Code**, pages 8-13.

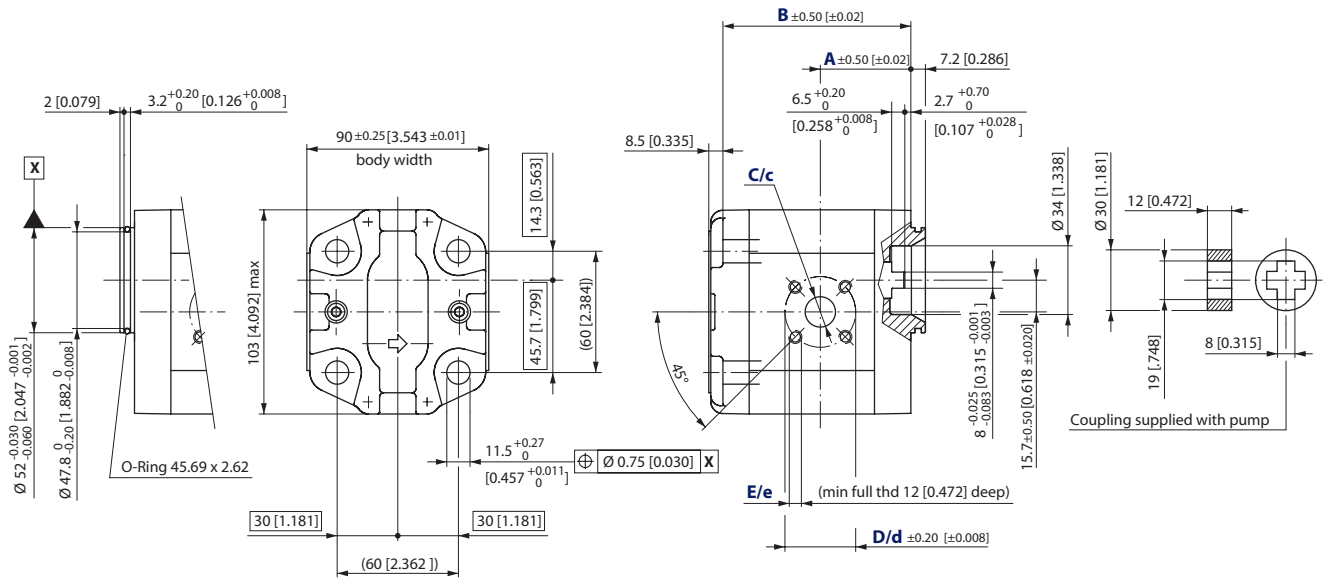


SNP2NN – 03CA

Standard porting for 03CA

mm [in]

03CA



SNP2NN – 03CA dimensions

Frame size		4,0	6,0	8,0	011	014	017	019	022	025	
Dimension	A	37.3 [1.469]	38.6 [1.520]	40.6 [1.598]	45 [1.772]	45 [1.772]	45 [1.772]	45 [1.772]	52.5 [2.067]	62 [2.441]	
	B	81.5 [3.209]	85 [3.346]	89 [3.504]	93 [3.661]	99 [3.897]	103 [4.055]	107 [4.212]	113 [4.448]	117 [4.606]	
Inlet	C	15 [0.591]	15 [0.591]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	
	D	40 [1.575]									
	E	M6									
Outlet	c	15 [0.591]									
	d	35 [1.378]									
	e	M6									

Model code example and maximum shaft torque

Flange/drive gear	Model code example	Maximum shaft torque
03CA	SNP2NN/014RN03CAP3B7B5NNNN/NNNNN	70 N·m [620 lbf·in]

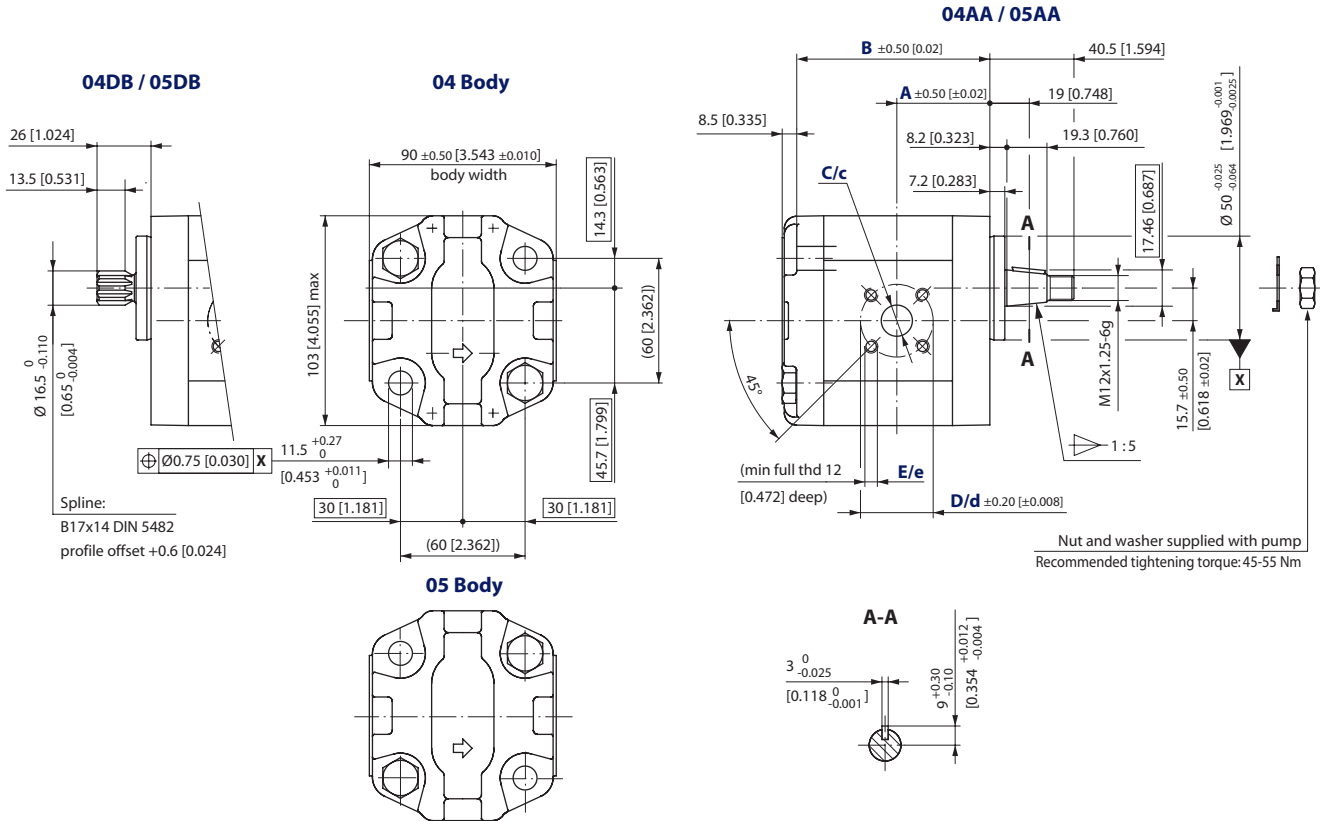
For further details on ordering, see [Model Code](#), pages 8-13.



SNP2NN – 04/05DB and 04/05AA

Standard porting for 04/05DB and 04/05AA

mm [in]



SNP2NN – 04/05DB and 04/05AA dimensions

Frame size		4,0	6,0	8,0	011	014	017	019	022	025
Dimension	A	37.3 [1.469]	38.6 [1.520]	40.6 [1.598]	45 [1.772]	45 [1.772]	45 [1.772]	45 [1.772]	52.5 [2.067]	62 [2.441]
	B	81.5 [3.208]	85 [3.364]	89 [3.503]	93 [3.661]	99 [3.897]	103 [4.055]	107 [4.212]	113 [4.448]	117 [4.606]
Inlet	C	15 [0.591]	15 [0.591]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]
	D	40 [1.575]								
	E	M6								
Outlet	c	15 [0.591]								
	d	35 [1.378]								
	e	M6								

Model code examples and maximum shaft torque

Flange/drive gear	Model code example	Maximum shaft torque
04DB	SNP2NN/8,0LN04DBP1B7B5NNNN/NNNNN	130 N·m [1151 lbf·in]
05DB	SNP2NN/022RN05DBP1B7B5NNNN/NNNNN	
04AA	SNP2NN/6,0LN04AAP1B6B5NNNN/NNNNN	140 N·m [1239 lbf·in]
05AA	SNP2NN/014RN05AAP1B7B5NNNN/NNNNN	

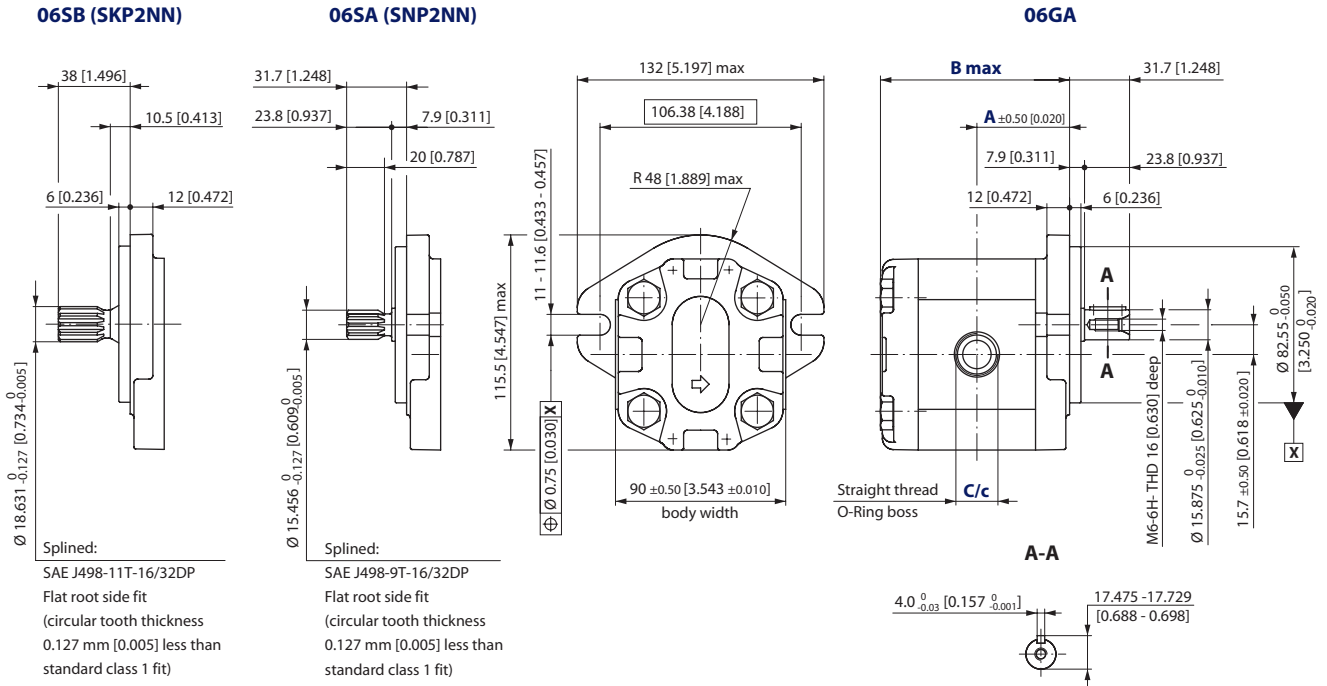
For further details on ordering, see [Model Code](#), pages 8-13.



SKP2NN – 06SB and SNP2NN – 06SA, 06GA

Standard porting for 06SB (SKP2NN), and 06SA, 06GA (SNP2NN)

mm [in]



SNP2NN – 06SA, 06GA and SKP2NN – 06SB dimensions

Frame size		4,0	6,0	8,0	011	014	017	019	022	025	
Dimension	A	43.25 [1.703]	45 [1.772]	47 [1.850]	49 [1.920]	52 [2.047]	54 [2.205]	56 [2.205]	59 [2.323]	61 [2.402]	
	B	90 [3.543]	93.5 [3.681]	97.5 [3.839]	101.5 [3.996]	107.5 [4.232]	111.5 [4.390]	115.5 [4.547]	121.5 [4.783]	125.5 [4.941]	
Inlet	C	1 ¹ / ₁₆ -12UNF-2B, 18.0 [0.709] deep									
Outlet	c	7 ⁸ / ₁₆ -14UNF-2B, 16.7 [0.658] deep									

Model code examples and maximum shaft torque

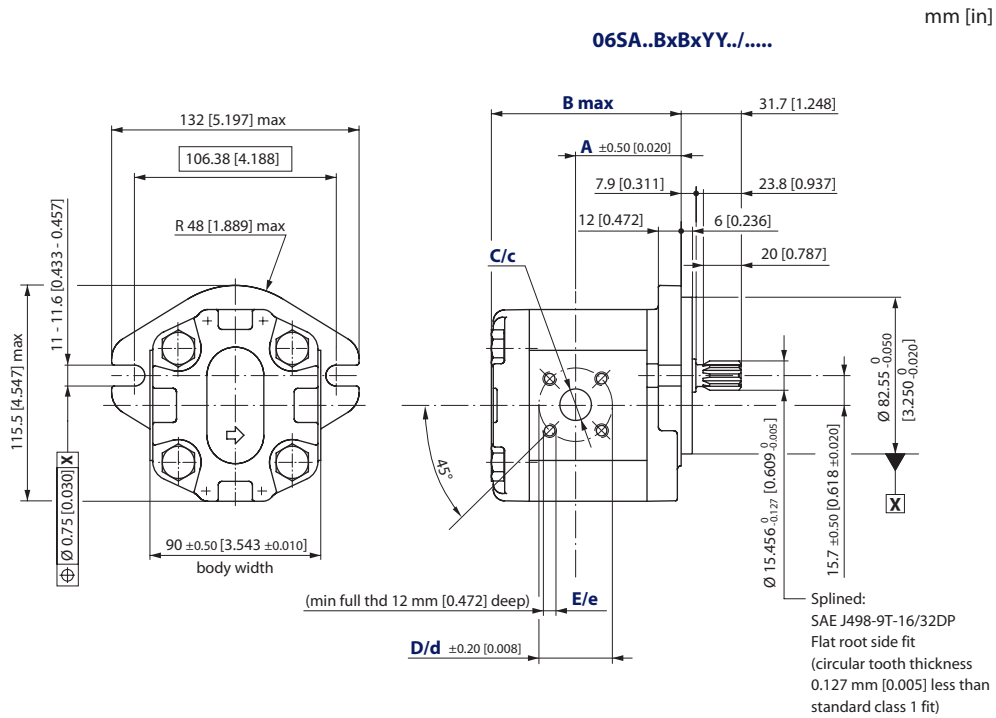
Flange/drive gear	Model code example	Maximum shaft torque
06GA	SNP2NN/6,0RN06GAP1E6E5NNNN/NNNNN	80 N•m [708 lbf•in]
06SA (SNP2NN)	SNP2NN/011LN06SAP1E6E5NNNN/NNNNN	75 N•m [664 lbf•in]
06SB (SKP2NN)	SKP2NN/022RN06SBP1E6E5NNNN/NNNNN	150 N•m [1328 lbf•in]

For further details on ordering, see [Model Code](#), pages 8-13.



SNP2NN – 06SA..BxBxYY../.....

Standard porting for 06SA with port type Bx offset from center of the body



SNP2NN – 06SA..BxBxYY../..... dimensions

Frame size		4,0	6,0	8,0	011	014	017	019	022	025
Dimension	A	49.2 [1.937]	51.4 [2.023]	53.4 [2.102]	53.0 [2.087]	59.0 [2.322]	63.0 [2.480]	67.0 [2.637]	65.5 [2.579]	60.0 [2.326]
	B	90 [3.543]	93.5 [3.681]	97.5 [3.839]	101.5 [3.996]	107.5 [4.232]	111.5 [4.390]	115.5 [4.547]	121.5 [4.783]	125.5 [4.941]
Inlet	C	15 [0.591]	15 [0.591]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]
	D	40 [1.575]								
	E	M6								
Outlet	c	15 [0.591]								
	d	35 [1.378]								
	e	M6								

Model code examples and maximum shaft torque

Flange/drive gear	Model code example	Maximum shaft torque
06SA..BxBxYY../.....	SNP2NN/019RN06SAP1B7B5YYNN/NNNNN	75 N•m [646 lbf•in]

For further details on ordering, see **Model Code**, pages 8-13.

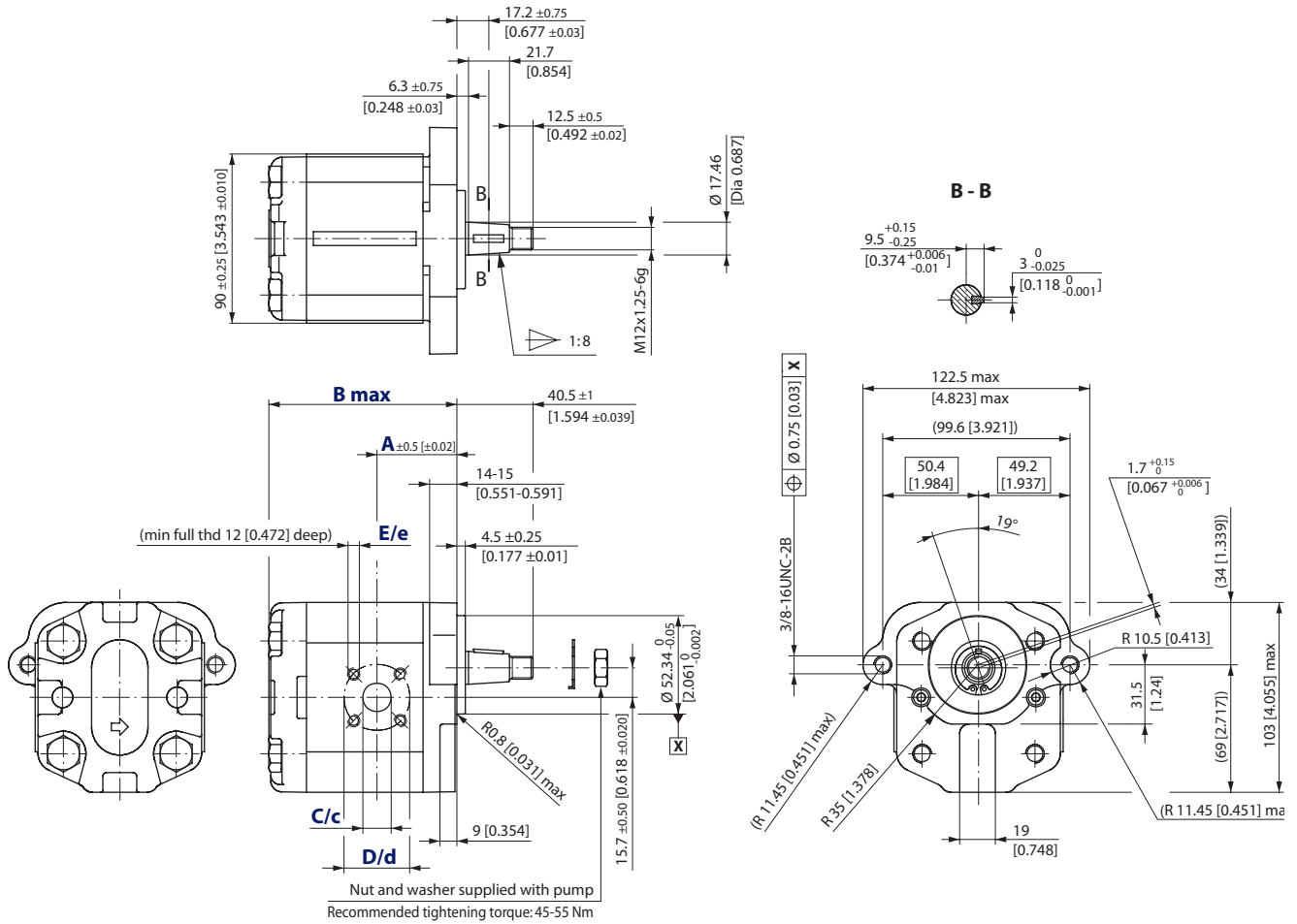


SNP2NN – 09BJ

Standard porting for 09BJ

mm [in]

09BJ



SNP2NN – 09BJ dimensions

Frame size		4,0	6,0	8,0	011	014	017	019	022	025
Dimension	A	37.3 [1.469]	38.6 [1.520]	40.6 [1.598]	45.0 [1.772]	45.0 [1.772]	45.0 [1.772]	45.0 [1.772]	52.5 [2.067]	62 [2.441]
	B	90 [3.543]	93.5 [3.681]	97.5 [3.839]	101.5 [3.996]	107.5 [4.232]	111.5 [4.390]	115.5 [4.547]	121.5 [4.783]	125.5 [4.941]
Inlet	C	15 [0.591]	15 [0.591]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]
	D	40 [1.575]								
	E	M6								
Outlet	c	15 [0.591]								
	d	35 [1.378]								
	e	M6								

Model code example and maximum shaft torque

Flange/drive gear	Model code example	Maximum shaft torque
09BJ	SNP2NN/014LN09BJP1B7B5NNNN/NNNN	150 N•m [1328 lbf•in]

For further details on ordering, see [Model Code](#), pages 8-13.

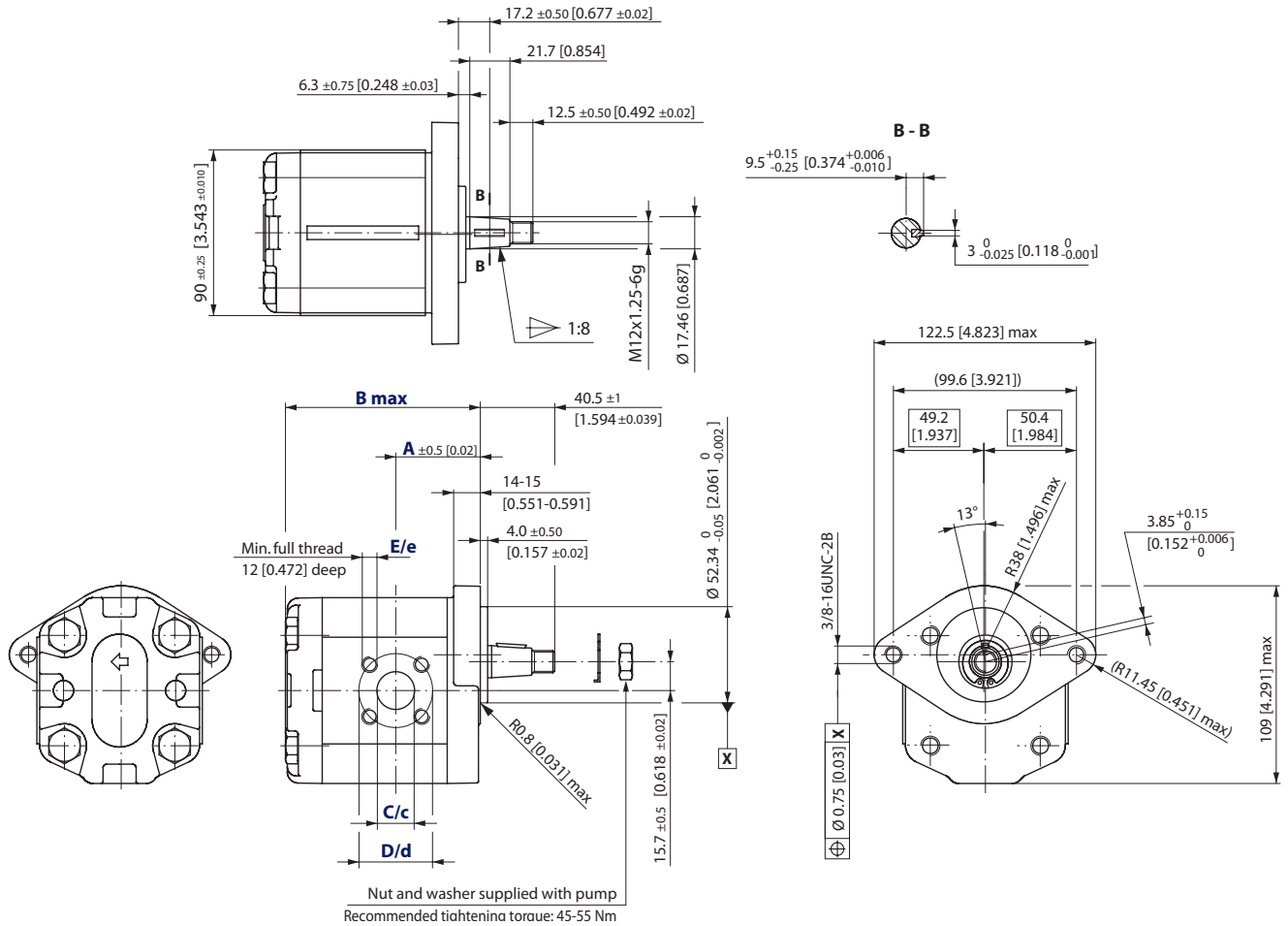


SNP2NN – A9BJ

Standard porting for A9BJ

A9BJ

mm [in]



SNP2NN – A9BJ dimensions

Frame size		4,0	6,0	8,0	011	014	017	019	022	025	
Dimension	A	37.3 [1.469]	38.6 [1.520]	40.6 [1.598]	45.0 [1.772]	45.0 [1.772]	45.0 [1.772]	45.0 [1.772]	52.5 [2.067]	62 [2.441]	
	B	90 [3.543]	93.5 [3.681]	97.5 [3.839]	101.5 [3.996]	107.5 [4.232]	111.5 [4.390]	115.5 [4.547]	121.5 [4.783]	125.5 [4.941]	
Inlet	C	15 [0.591]	15 [0.591]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	20 [0.787]	
	D	40 [1.575]									
Outlet	E	M6									
	c	15 [0.591]									
	d	35 [1.378]									
	e	M6									

Model code example and maximum shaft torque

Flange/drive gear	Model code example	Maximum shaft torque
A9BJ	SNP2NN/011RNA9BJP1C7C3NNNN/NNNN	150 N•m [1328 lbf•in]

For further details on ordering, see [Model Code](#), pages 8-13.



Notes

Italy

Via Villanova 28
40055 Villanova di Castenaso
Bologna, Italia
Telephone: +39 051 6054 411

U.S.A.

2800 East 13th Street
Ames, IA 50010, USA
Phone: +1 515 239 6677
Fax: +1 515 239 6618

Slovakia

Kukučínova 2148-84
01701 Považská Bystrica, Slovakia
Phone: +421 424 301 202
Fax: +421 424 301 626

E-mail: turollaocg@turollaocg.com
www.turollaocg.com

Local address

