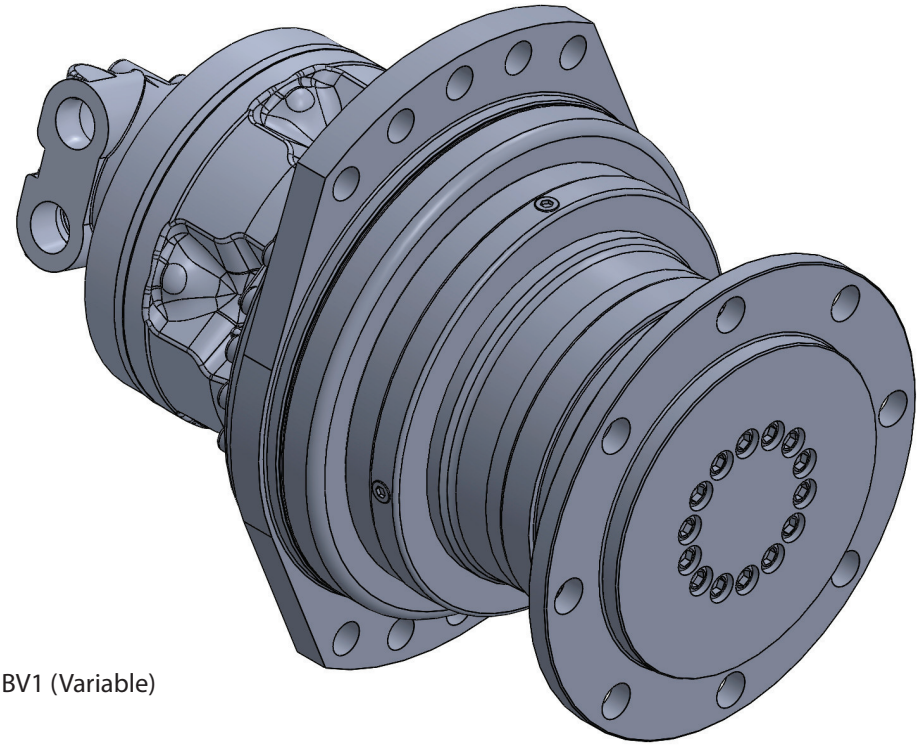
PSWD100/PSWV100
DUAL/VARIABLE DISPLACEMENT MOTOR

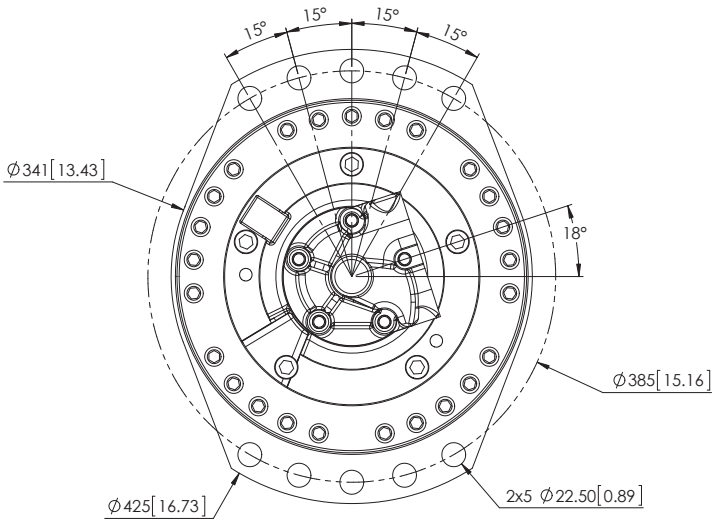


Motor: BD1 (Dual)/ BV1 (Variable)
Weight:
Oil:
Gearbox Case Pressure: 5 psi [4]

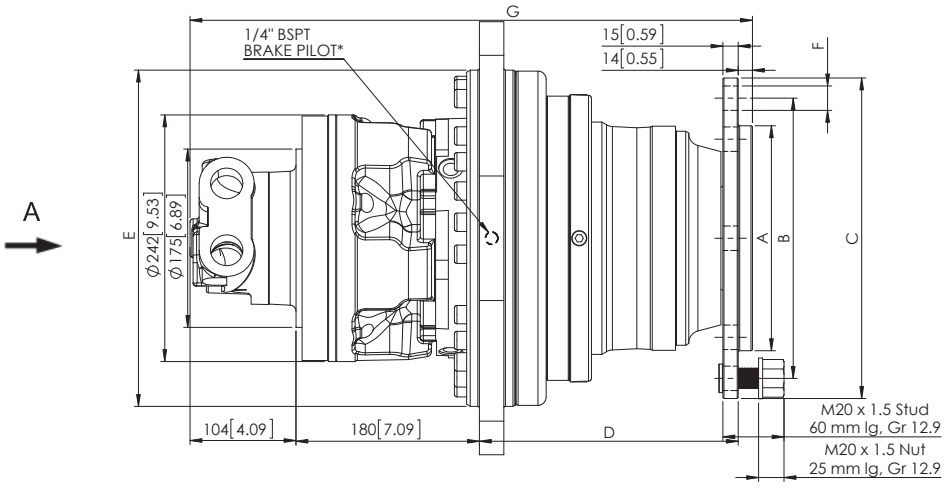
Nominal Displacement		**1000**		**1250**		**1750[3]**		**2500[3]**	
Displacement Setting		max	min	max	min	max	min	max	min
Displacement	in^3/rev	53.03	26.51	74.93	37.46	106.95	53.47	151.99	75.99
Torque/100 psi (Theor)	ft/lb	70.37	35.18	99.42	49.71	141.93	70.96	201.68	100.84
Motor Cont Pressure Rating [1]	psi	3800	3800	3600	3600	3600	3600	3600	3600
Motor Peak Pressure Rating	psi	5800	5800	5400	5400	5400	5400	5000	5000
Output Cont Torque Rating	ft/lb	2674	1337	3579	1789	5109	2554	7260	3630
Output Peak Torque Rating	ft/lb	4081	2040	5369	2584	7664	3832	10084	5042
Continuous Speed [2]	rpm	170	340	140	280	100	200	80	160
Max. speed [2]	rpm	200	400	160	320	165	330	90	180
Peak power	HP	73	73	73	73	100	100	100	100
Brake Release Pressure	psi	240	240	240	240	240	240	240	240
Max Brake Release Pressure	psi	600	600	600	600	600	600	600	600
Max Brake Holding Torque	ft-lb	4081	4081	5369	5369	7664	7664	10084	10084
Hi-Low Ratio (Dual Disp.)	1:	2, 3, 4							
Motor Pilot Pressure (Dual Disp.)	psi	20 - 30 bar (290 - 430 psi)							
Disp. Ranges (Varaible Disp.)	% max	100-25, 90-15, 75-0							

1) Continuous or average working pressure should be chosen on the motor bearing lifetime choice, **2)** Speed limitation with optional low speed distributors (eg. D31); see distributor section. **3)** Uses BD2 motor For Dual displacement, BV2 motor for variable displacement. **4)** For both separate and common oil. Consult SAI for high pressure casing.

PSWD100/PSWV100 DIMENSIONS



VIEW A



Unit Type	A mm [in]	B mm [in]	C mm [in]	D mm [in]	E mm [in]	F mm [in]	G mm [in]
With Brake	Ø 220.7 [Ø 8.69]	Ø 275 [Ø 10.83]	Ø 314 [Ø 12.36]	Ø 254 [Ø 10.00]	Ø 330 [Ø 12.99]	8 x Ø24 [8 x Ø .94]	552 [21.73]
Without Brake	Ø 220.7 [Ø 8.69]	Ø 275 [Ø 10.83]	Ø 314 [Ø 12.36]	Ø 254 [Ø 10.00]	Ø 330 [Ø 12.99]	8 x Ø 24 [8 x Ø .94]	498 [19.61]

*Brake Pilot only on motor models with internal brake