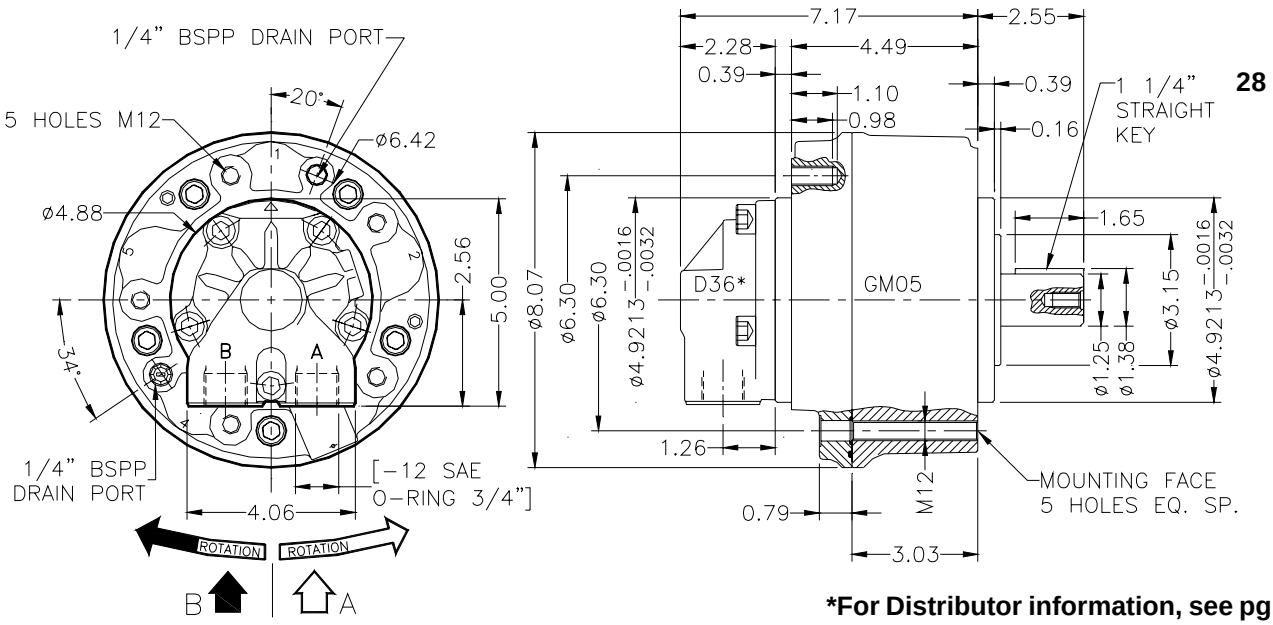
DIMENSIONS

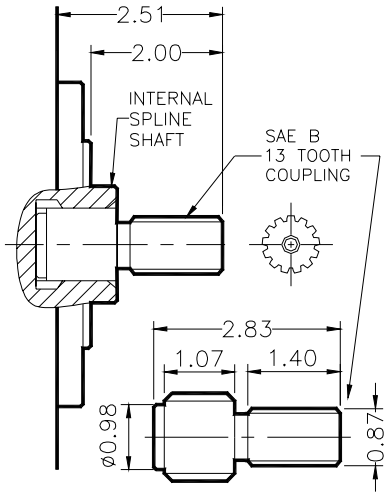


***For Distributor information, see pg. 46.**

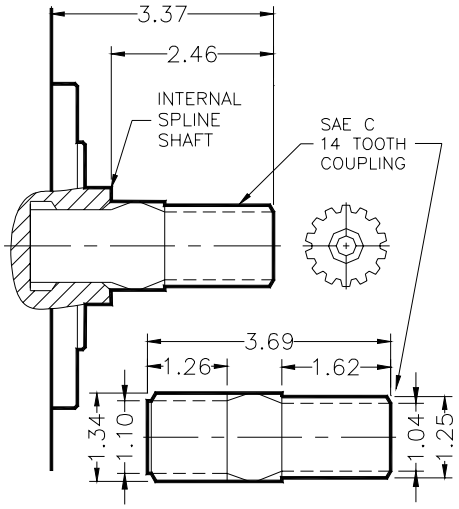
SAE SHAFT OPTIONS

See Page 52 for SAE Flanges

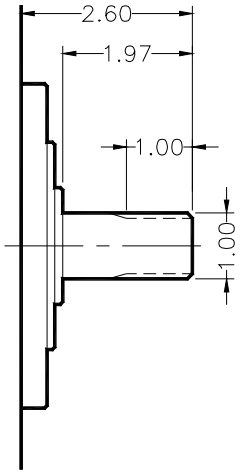
7/8 13 Tooth Spline **13**



1 1/4 14 Tooth Spline **17**

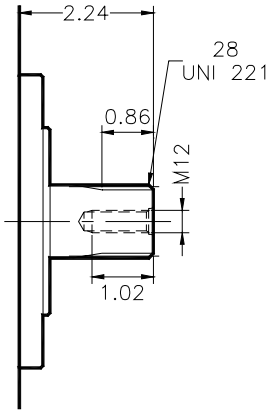


Class 6B Fit Spline **77**

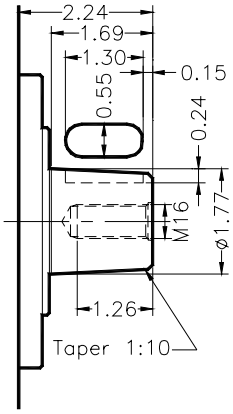


METRIC SHAFT OPTIONS

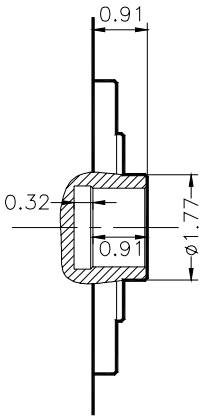
Spline DIN 5480 **7**
UNI 221 **1**



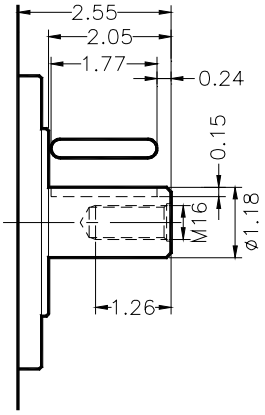
Tapered **2**



Internal Spline DIN 5480 **9**
UNI 221 **3**



Parallel Keyed **8**



ORDER CODES

GM05	110	1	H	-	D36	-	-	-

MOTOR CODE

1. Nominal displacement - See motor spec. table

2. Shaft options: 7 = Ext. 35-2-16 DIN 5480 (std)
1 = Ext. 28 UNI 221
9 = Int. 35-2-16 DIN 5480
3 = Int. 28 UNI 221
2 = Tapered Keyed
8 = Parallel Keyed
13 = 7/8" 13 Tooth Spline
17 = 11/4 14 Tooth Spline
28 = 11/4 Straight Keyed
77 = Class 6B Fit Spline

3. Bearings:
No code = Ball Bearings
H = Roller Bearings
G = Spherical Roller Bearings

4. Other options:
HP = High pressure version, only GM05-65, 75, 110, 130
U = Without shaft seal
SV = Shaft seal protection
VY = Viton seals
I = Case press. relief valve 43psi.

DISTRIBUTOR CODE See Page 46

5. Distributor: D36 standard

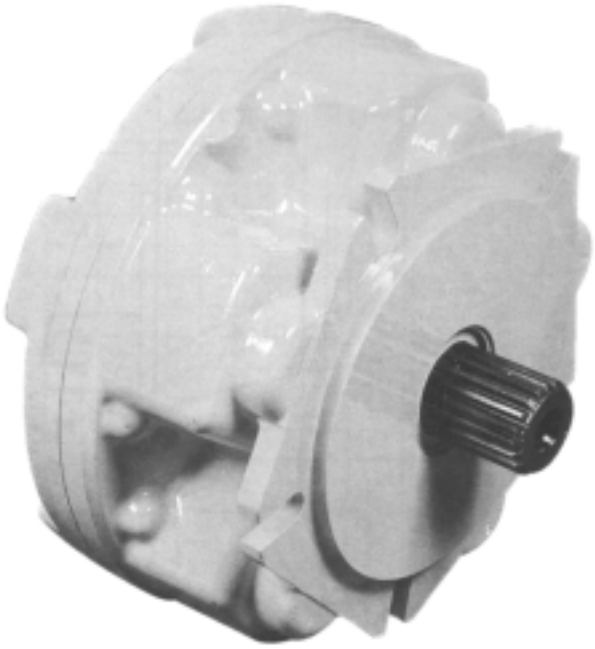
6. Tachometer: K = Predisposed for tachometer
J = Mechanical Tach. mount
JB2 = Mount for BEI encoder E25 BA (type 6R)
JB4 = Mount for Hall Effect switch up to 200 pulses per rev.

ASSEMBLY CODES

7. Direction of shaft rotation: standard motors are supplied with clockwise rotation (viewed from shaft end) with flow in port A, out port B.
No code = Clockwise rotation
L = Counter-Clockwise rotation

8. Distributor cover position: See Page 7
No code = Position DM1
DM~ = Other position

GM1



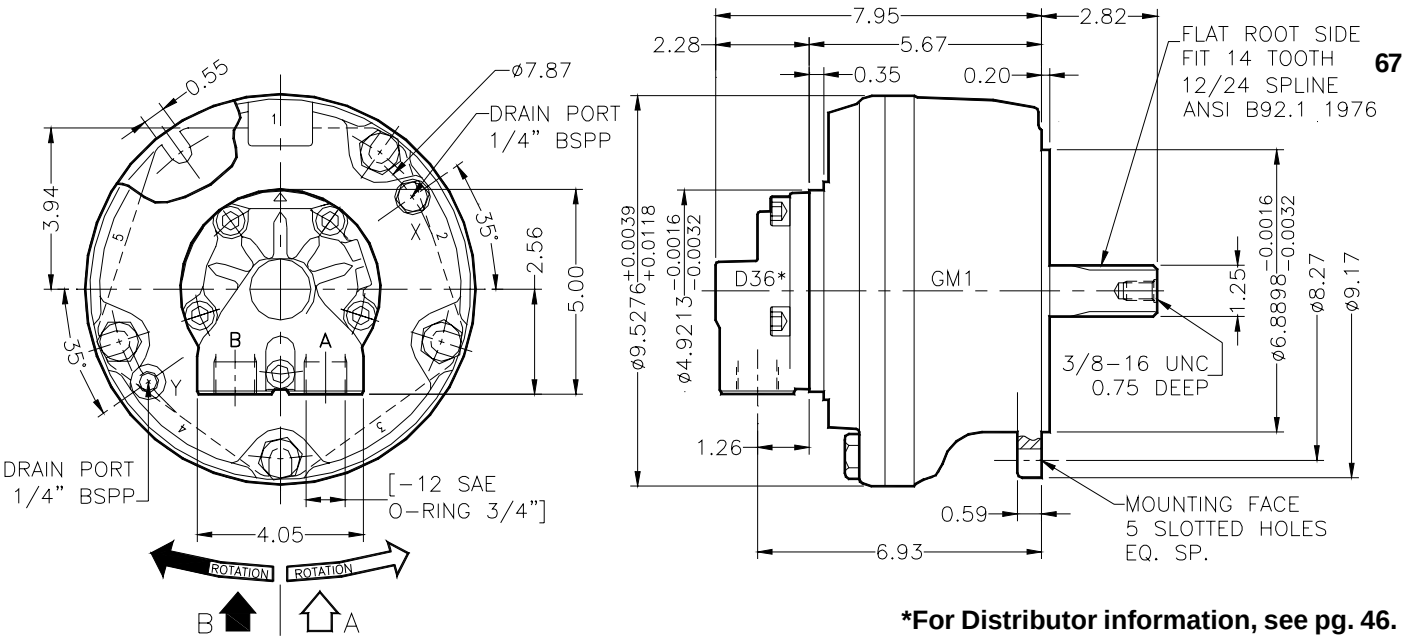
GM1		100	150	175	200	250	300	320*
Displacement	*in³/rev*	6.04	9.40	10.50	12.27	14.83	17.70	19.16
Specific torque	*lb.ft/100psi*	8.01	12.47	13.93	16.28	19.68	23.49	25.42
Cont. pressure [1]	*psi*	3550	3550	3550	3550	3550	3550	3550
Peak pressure	*psi*	6400	6000	5700	5500	5500	5000	5000
Peak press [2]	*psi*	8500	7800	7000	-	-	-	-
Max. speed [3]	*rpm*	1200	1200	1200	1200	1000	900	900
Peak power	*HP*	75	75	75	75	75	75	75

* Motor has limited working pressure. Please contact SAI for specifications

Approximate weight:	60 lbs
Motor casing oil capacity:	64 in³
Max. casing pressure:	14 psi continuous 70 psi peak

1) Continuous or average working pressure should be chosen in function of the bearing lifetime.
2) High pressure version (HP).
3) Speed limitation with optional low speed distributors: cont. 250 rpm, max 500 rpm (see distributors, page 46).

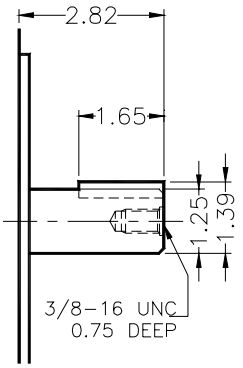
DIMENSIONS



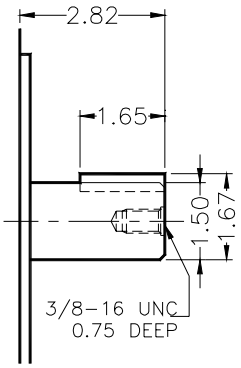
***For Distributor information, see pg. 46.**

SAE SHAFT OPTIONS

1 1/4 Straight Keyed **58**

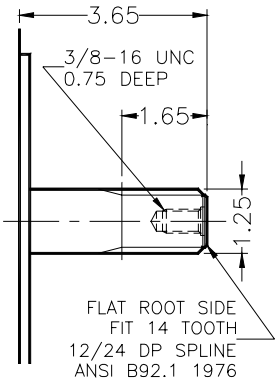


1 1/2 Straight Keyed **68**

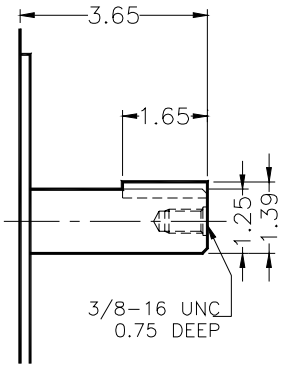


SPECIAL SHAFT OPTIONS See Pg. 52 for SAE Flanges

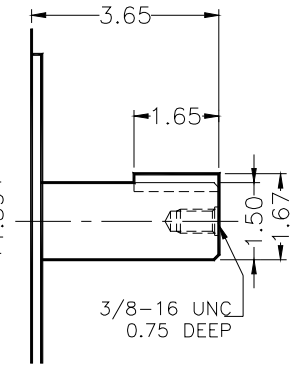
1 1/4 14 Tooth Spline **37**



1 1/4 Straight Keyed **38**

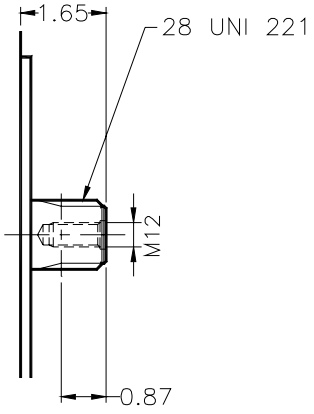


1 1/2 Straight Keyed **48**

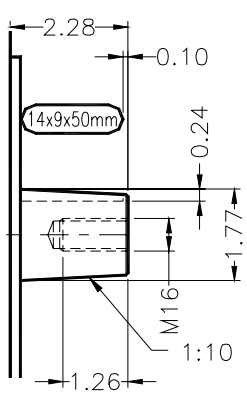


METRIC SHAFT OPTIONS

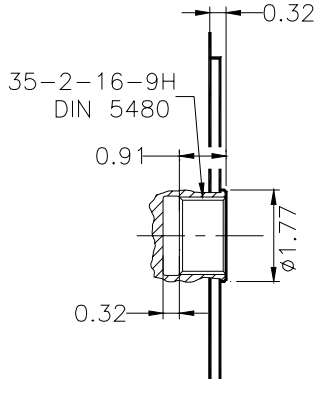
Spline DIN 5480 **7**
UNI 221 **1**



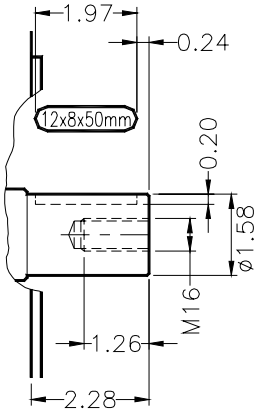
Tapered **2**



Internal Spline DIN 5480 **9**
UNI 221 **3**



Parallel Keyed **8**



BEARING OPTIONS

For longer lifetimes, contact our technical department.

Ball bearings (standard) - the lifetime of the ball bearings is approximately 15% of the equivalent lifetime of the roller bearings "H" given in the graph.
Roller bearings (option H) - recommended for most applications. The lifetime is given in the bearing lifetime graph.
Spherical roller bearings (option G) - the lifetime is approximately 2.24 times the equivalent lifetime of the roller bearings given in the graph.

ORDER CODES

GM1	150	1	H	-	D36	-	-	-

MOTOR CODE

1. Nominal displacement - See motor spec. table

2. Shaft options: 7 = Ext. 35-2-16 DIN 5480 (std)
1 = Ext. 28 UNI 221
9 = Int. 35-2-16 DIN 5480
3 = Int. 28 UNI 221
2 = Tapered Keyed
SAE Flange 8 = Parallel Keyed
Shaft Options: 58 = 11/4 Straight Keyed
68 = 11/2 Straight Keyed
37 = 11/4 14 Tooth Spline
38 = 11/4 Straight Keyed
48 = 11/2 Straight Keyed

3. Bearings:
No code = Ball Bearings
H = Roller Bearings
G = Spherical Roller Bearings

4. Other options:
HP = High pressure version
only GM1 100, 150, 175
U = Without shaft seal
SV = Shaft seal protection
VY = Viton seals
I = Case press. relief valve 43psi

DISTRIBUTOR CODE See Page 46

5. Distributor: D36 standard

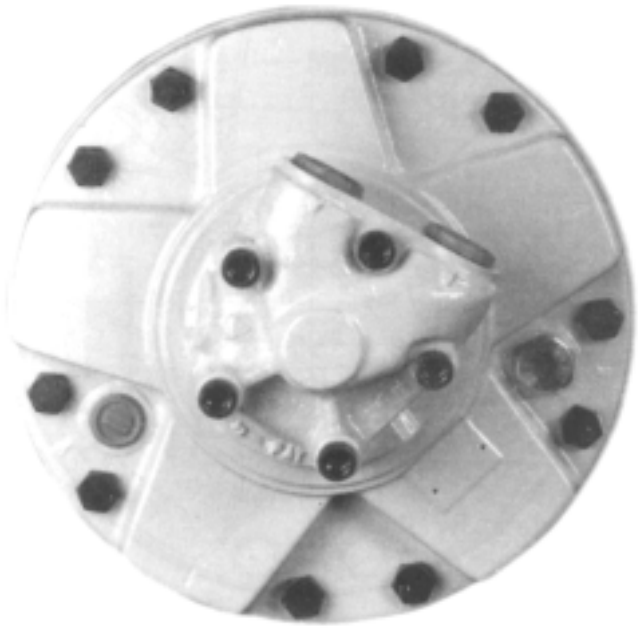
6. Tachometer: K = Predisposed for tachometer
J = Mechanical Tach. mount
JB2 = Mount for BEI encoder
E25 BA (type 6R)
JB4 = Mount for Hall Effect switch
up to 200 pulses per rev.

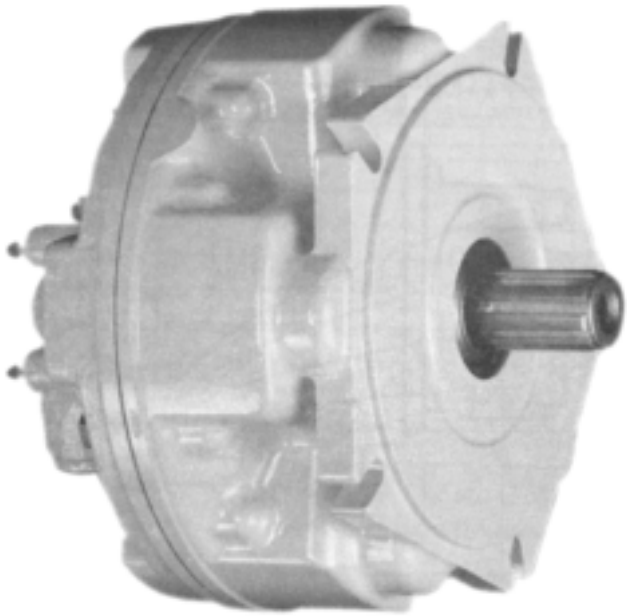
ASSEMBLY CODES

7. Direction of shaft rotation: standard motors are supplied with clockwise rotation (viewed from shaft end) with flow in port A, out port B.
No code = Clockwise rotation
L = Counter-Clockwise rotation

8. Distributor cover position: See Page 7
No code = Position DM1
DM ~ = Other position

GM2





GM2		200	250	300	350	420	500	600
Displacement	*in³/rev*	11.72	15.32	18.55	21.18	25.94	30.08	34.47
Specific torque	*lb.ft/100psi*	15.55	20.33	24.62	28.11	34.42	39.92	45.74
Cont. pressure [1)]	*psi*	3550	3550	3550	3550	3550	3550	3550
Peak pressure	*psi*	6400	6000	5700	5700	5500	5500	5000
Peak pressure [2)]	*psi*	8550	7800	7000	7000	-	-	-
Max. speed [3)]	*rpm*	1000	1000	900	900	850	850	800
Peak power	*HP*	95	95	95	95	95	95	95

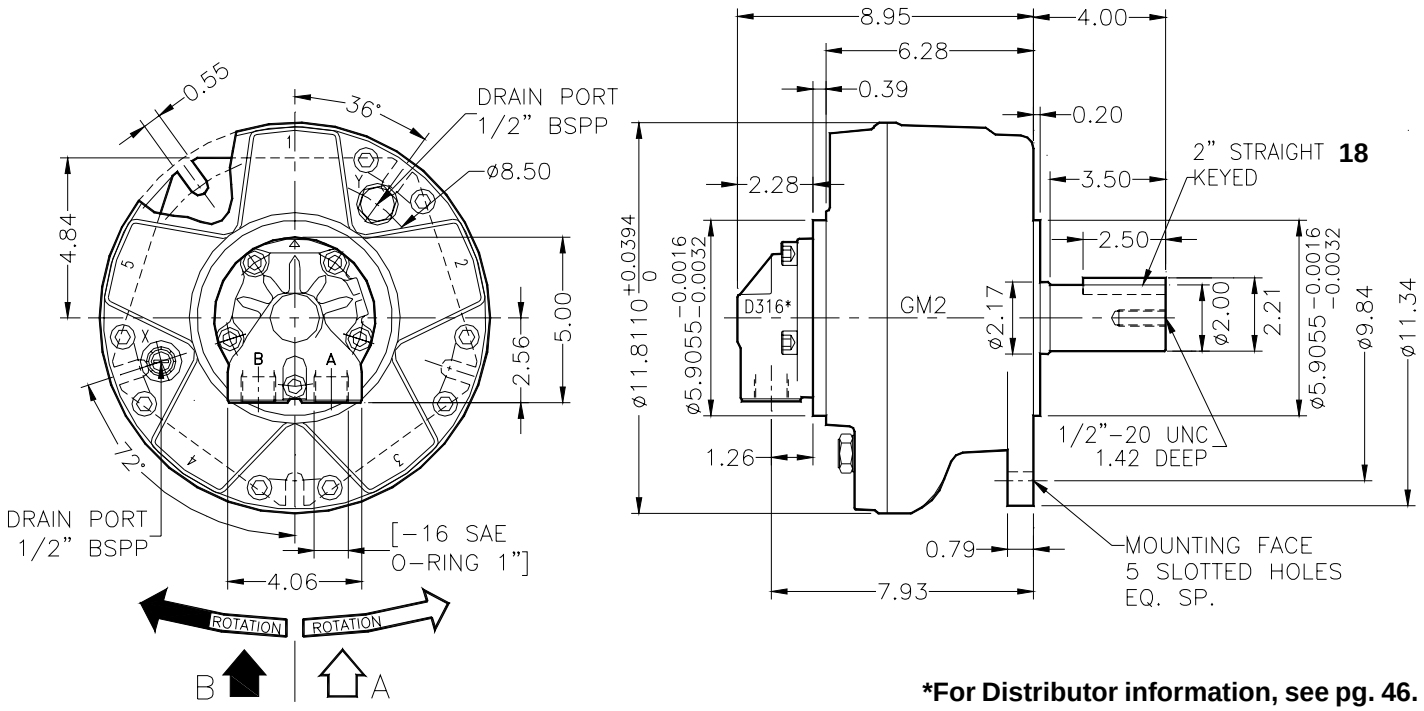
Approximate weight: 104 lbs

Motor casing oil capacity: 122 in^3

Max. casing pressure: 14 psi continuous
70 psi peak

1) Continuous or average working pressure should be chosen in function of the bearing lifetime.
2) High pressure version (HP).
3) Speed limitation with optional low speed distributors: cont. 250 rpm, max 500 rpm (see distributors, page 46).

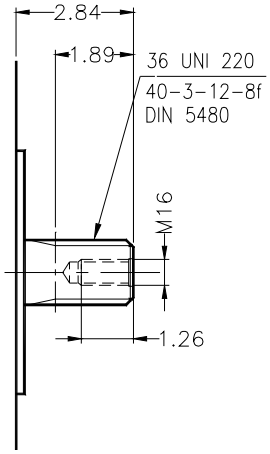
DIMENSIONS



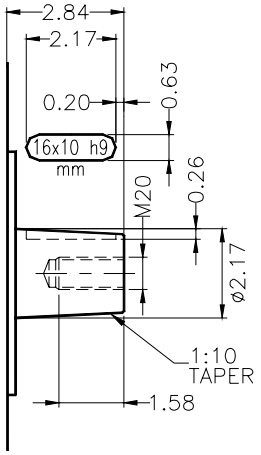
***For Distributor information, see pg. 46.**

SHAFT OPTIONS

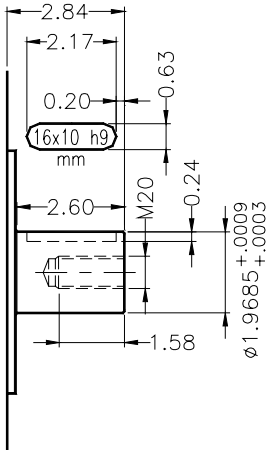
Splined DIN 5480 **7** UNI 220 **1**



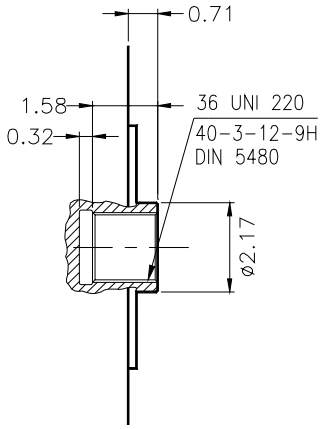
Tapered **2**



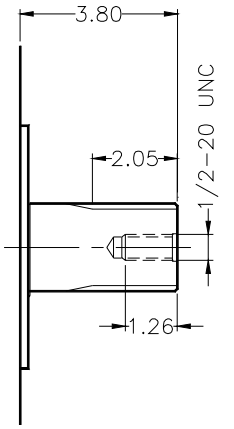
Parallel Keyed **8**



Internal Spline DIN 5480 **9** UNI 220 **3**

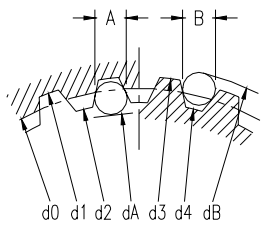


Flat Root Side Fit 16 Tooth 8/16 Pitch Spline **17**



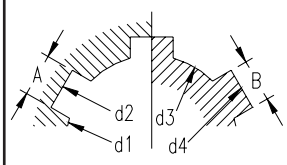
SPLINE DATA *(dimensions in mm [1 in = 25.4 mm])*

40-3-12 DIN 5480



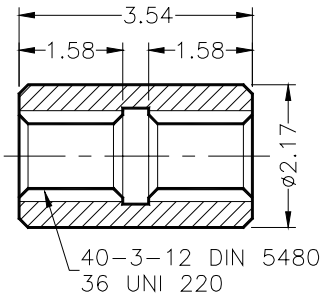
d0	Ø36.0		
d1	Ø40.0	$^{+0.620}_{+0}$	H14
d2	Ø34.0	$^{+0.160}_{+0}$	H11
A	Ø5.25		
da	Ø28.96	$^{+0.130}_{+0}$	H11
d3	Ø39.4	$^{-0}_{-0.160}$	h11
d4	Ø33.4	$^{-0}_{-0.620}$	h14
B	Ø6.0		
db	Ø45.989	$^{-0.025}_{-0.064}$	f 8

36 UNI 220 (DIN 5462)



d1	Ø36.0	$^{+0.025}_{+0}$	H7
d2	Ø40.0	$^{+0.160}_{+0}$	H11
A	7.0	$^{+0.028}_{+0.013}$	F7
d3	Ø36.0	$^{-0.009}_{-0.025}$	g6
d4	Ø40.0	$^{-0.080}_{-0.240}$	d11
B	7.0	$^{-0.013}_{-0.028}$	f 7

ADAPTOR



ORDER CODES

GM2	300	1	H	-	D316	-	-	-

MOTOR CODE

1. Nominal displacement - See motor spec. table

2. Shaft options: 7 = Ext. 40-3-12 DIN 5480 (std)
1 = Ext. 36 UNI 220
9 = Int. 40-3-12 DIN 5480
3 = Int. 36 UNI 220
2 = Tapered Keyed
8 = Parallel Keyed
18 = 2" Straight Keyed

3. Bearings:
No code = Ball Bearings
H = Roller Bearings
G = Spherical Roller Bearings

4. Other options:
HP = High pressure version only 200, 250, 300, 350
U = Without shaft seal
SV = Shaft seal protection
VY = Viton seals
I = Case press. relief valve 43psi

DISTRIBUTOR CODE See page 46

5. Distributor: D316 standard

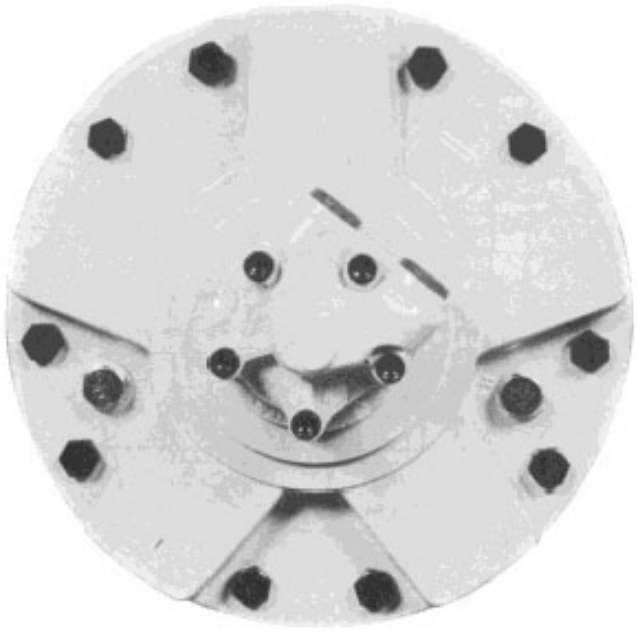
6. Tachometer: K = Predisposed for tachometer
J = Mechanical Tach. mount
JB2 = Mount for BEI encoder E25 BA (type 6R)
JB4 = Mount for Hall Effect switch up to 200 pulses per rev.

ASSEMBLY CODES

7. Direction of shaft rotation: standard motors are supplied with clockwise rotation (viewed from shaft end) with flow in port A, out port B.
No Code = Clockwise rotation
L = Counter-Clockwise rotation

8. Distributor cover position: See Page 7
No code = Position DM1
DM~ = Other position

GM3/GM3A



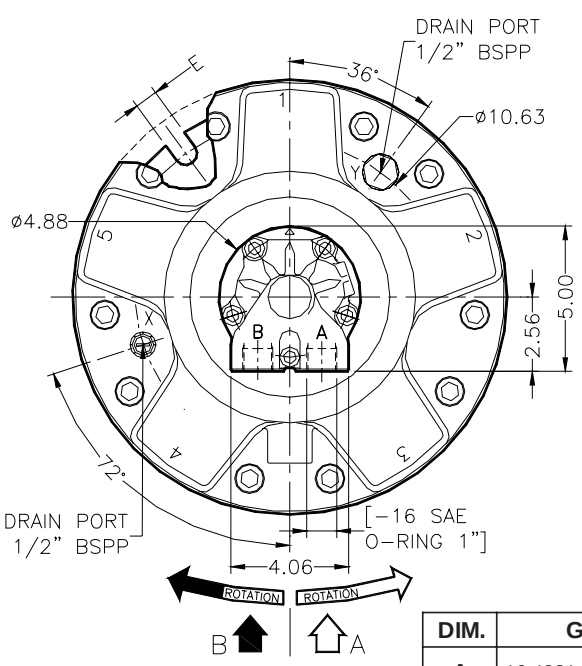
GM3/GM3A		350	425	500	600	700	800	900*	1000*
Displacement	*in³/rev*	21.48	26.00	29.66	36.31	42.12	48.33	53.27	60.23
Specific torque	*lb.ft/100psi*	28.50	34.50	39.36	48.18	55.89	64.13	70.69	79.92
Cont. pressure [1)]	*psi*	3550	3550	3550	3550	3550	3550	3550	3550
Peak pressure	*psi*	6400	6000	6000	5700	5500	5500	5000	5000
Peak pressure [2)]	*psi*	8500	8500	8500	7000	-	-	-	-
Max. speed [3)]	*rpm*	800	750	700	675	625	600	550	500
Peak power	*HP*	120	120	120	120	120	120	120	120

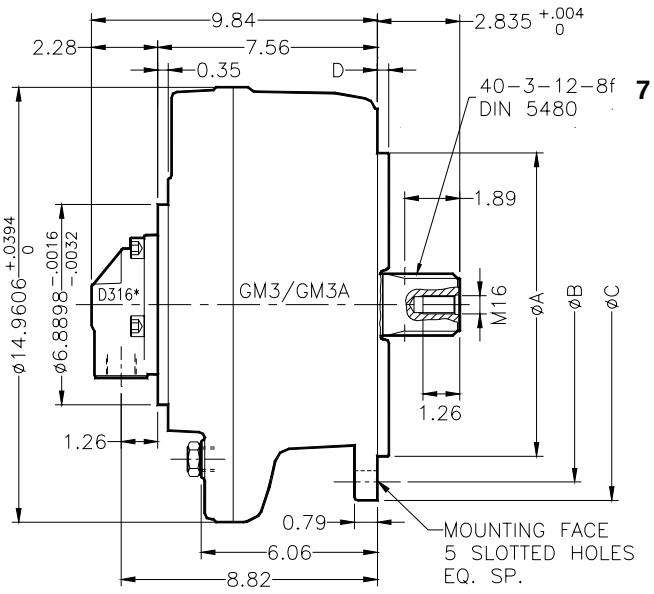
* not available for GM3A

Approximate weight:	143 lbs
Motor casing oil capacity:	275 in³
Max. casing pressure:	14 psi continuous 70 psi peak

1) Continuous or average working pressure should be chosen in function of the bearing lifetime.
2) High pressure version (HP).
3) Speed limitation with optional low speed distributors: cont. 250 rpm, max 500 rpm (see distributors, page 46).

DIMENSIONS



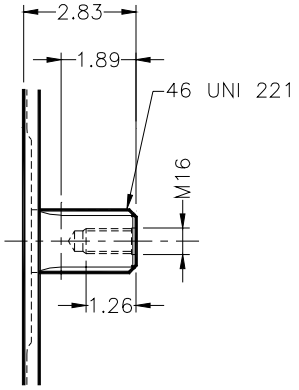


DIM.	GM3		GM3A**	
A	10.4331	-0.0025 -0.0045	5.9055	-0.0016 -0.0032
B	12.205		7.677	
C	13.465		9.843	
D	0.39		0.20	
E	0.79		0.55	

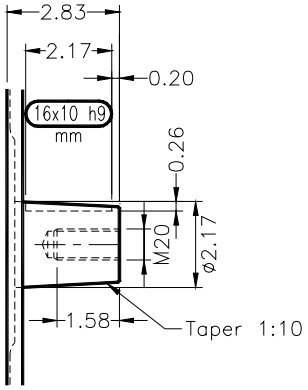
***For Distributor information, see pg. 46.**
****GM3A is a dimensional interchange to the M3**

SHAFT OPTIONS

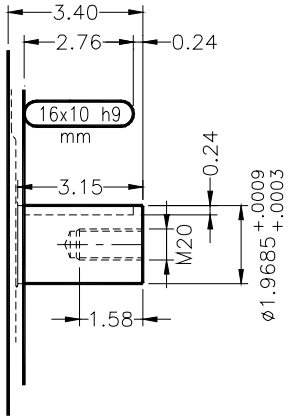
Splined DIN 5480 **7**
UNI 221 **1**



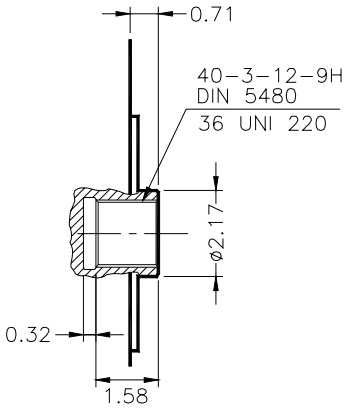
Tapered **2**



Parallel Keyed **8**

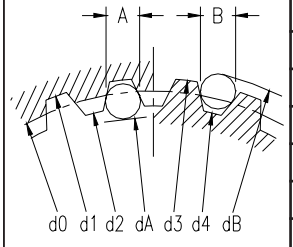


Internal Spline DIN 5480 **9**
UNI 220 **3**



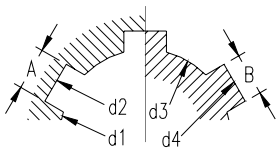
SPLINE DATA *(dimensions in mm [1 in = 25.4 mm])*

40-3-12 DIN 5480



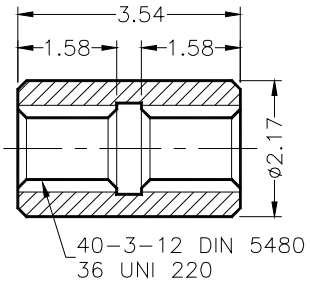
d0	Ø36.0		
d1	Ø40.0	+0.620 +0	H14
d2	Ø34.0	+0.160 +0	H11
A	Ø5.25		
da	Ø28.96	+0.130 +0	H11
d3	Ø39.4	-0 -0.160	h11
d4	Ø33.4	-0 -0.620	h14
B	Ø6.0		
db	Ø45.989	-0.025 -0.064	f 8

46 UNI 221 (8-46-54 DIN 5463)



d1	Ø46.0	+0.025 +0	H7
d2	Ø54.0	+0.190 +0	H11
A	9.0	+0.028 +0.013	F7
d3	Ø46.0	-0.009 -0.025	g6
d4	Ø54.0	-0.100 -0.290	d11
B	9.0	-0.013 -0.028	f 7

ADAPTOR



ORDER CODES

GM3	500	1	-	-	D316	-	-	-

MOTOR CODE

1. Nominal displacement - See motor spec. table

2. Shaft options:

7 = Ext. 40-3-12 DIN 5480 (std)
1 = Ext. 46 UNI 221
9 = Int. 40-3-12 DIN 5480
3 = Int. 36 UNI 220
2 = Tapered Keyed
8 = Parallel Keyed

3. Bearings:

E = Roller bearings
G = Spherical roller bearings

4. Other options:

HP = High pressure version
only 350, 425, 500, 600
U = Without shaft seal
SV = Shaft seal protection
VY = Viton seals
I = Case press. relief valve 43psi

DISTRIBUTOR CODE See Page 46

5. Distributor: D316 standard

6. Tachometer:

K = Predisposed for tachometer
J = Mechanical Tach. mount
JB2 = Mount for BEI encoder
E25 BA (type 6R)
JB4 = Mount for Hall Effect switch
up to 200 pulses per rev.

ASSEMBLY CODES

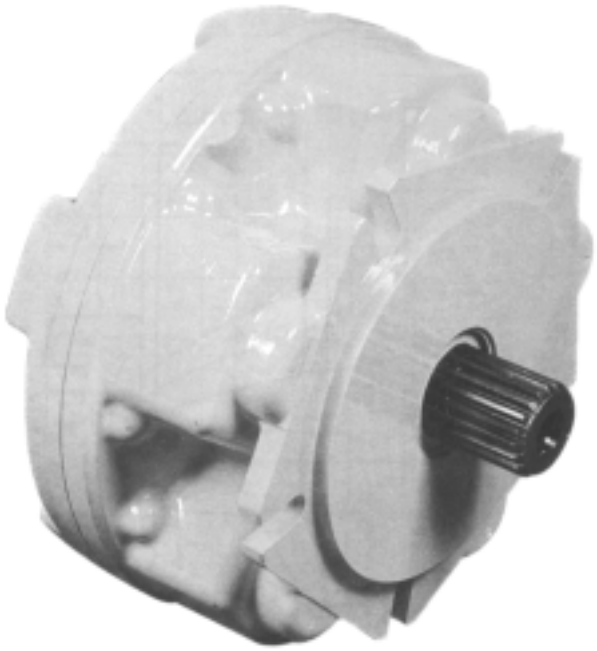
7. Direction of shaft rotation: standard motors are supplied with clockwise rotation (viewed from shaft end) with flow in port A, out port B.

No code = Clockwise rotation
L = Counter-Clockwise rotation

8. Distributor cover position: See Page 7

No code = Position DM1
DM~ = Other position

GM4



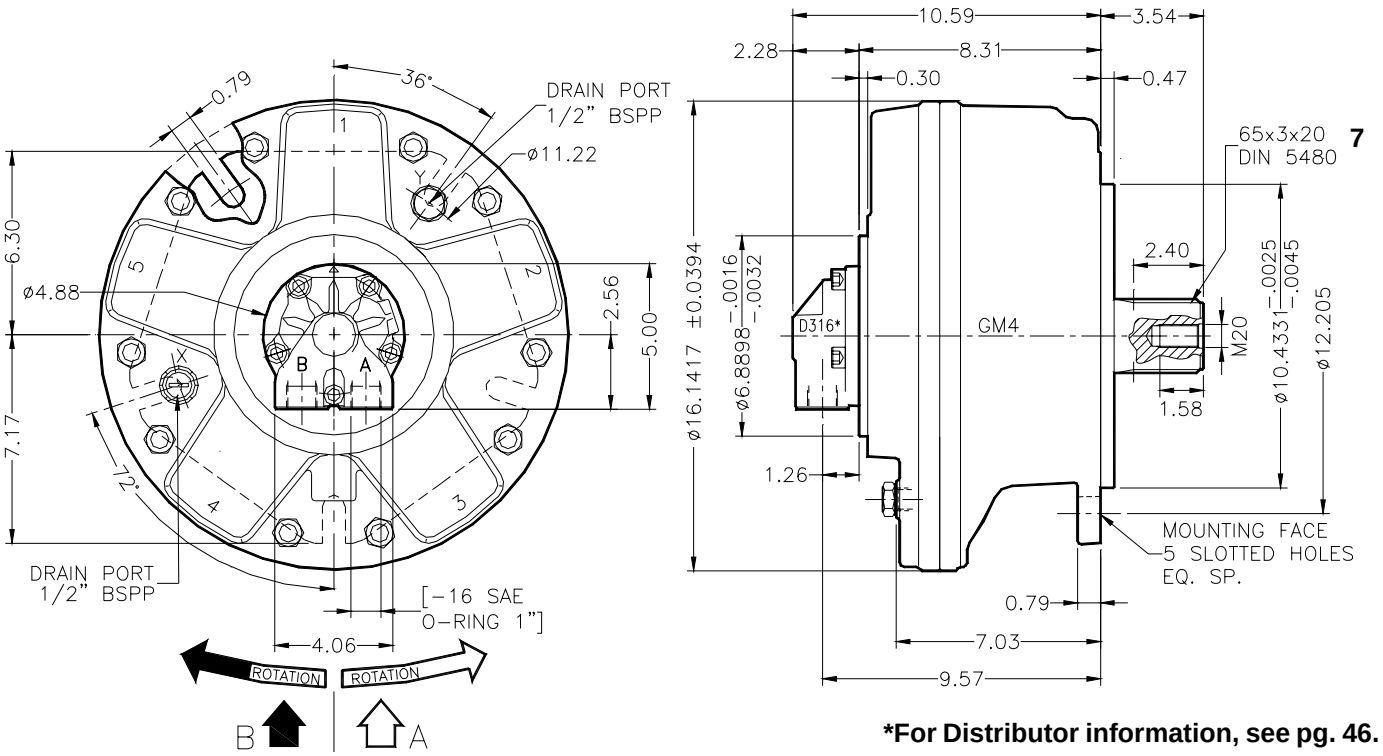
GM4		400	500	600	800	900	1000	1100	1250*	1300*
Displacement	*in³/rev*	24.53	30.70	37.59	48.39	55.17	62.37	68.10	76.10	80.31
Specific torque	*lb.ft/100psi*	32.55	40.74	49.88	64.21	73.21	82.76	90.36	100.98	106.57
Cont. pressure [1)]	*psi*	3550	3550	3550	3550	3550	3550	3550	3550	3550
Peak pressure	*psi*	6400	6400	6000	5700	5700	5500	5500	5000	5000
Peak press. [2)]	*psi*	8500	8500	8500	7000	7000	-	-	-	-
Max. speed [3)]	*rpm*	700	650	625	550	500	450	425	400	375
Peak power	*HP*	150	150	150	150	150	150	150	150	150

* Motor has limited working pressure. Please contact SAI for specifications.

Approximate weight:	220 lbs
Motor casing oil capacity:	1.7 gallons
Max. casing pressure:	14 psi continuous 70 psi peak

1) Continuous or average working pressure should be chosen in function of the bearing lifetime.
2) High pressure version (HP).
3) Speed limitation with optional low speed distributors: cont. 250 rpm, max 500 rpm (see distributors, page 46).

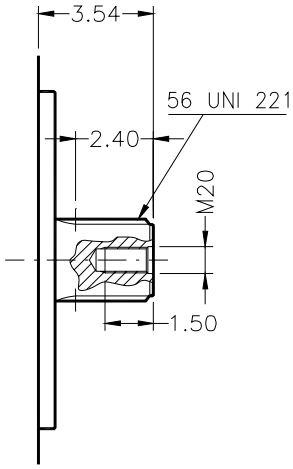
DIMENSIONS



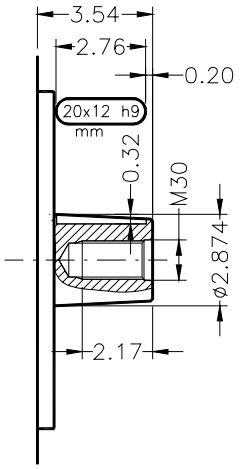
***For Distributor information, see pg. 46.**

SHAFT OPTIONS

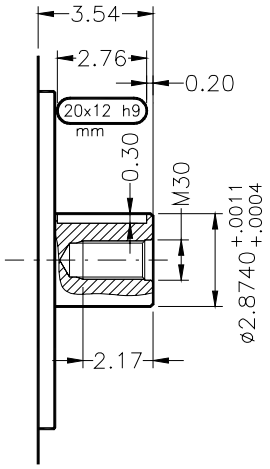
Splined DIN 5480 **7**
UNI 220 **1**



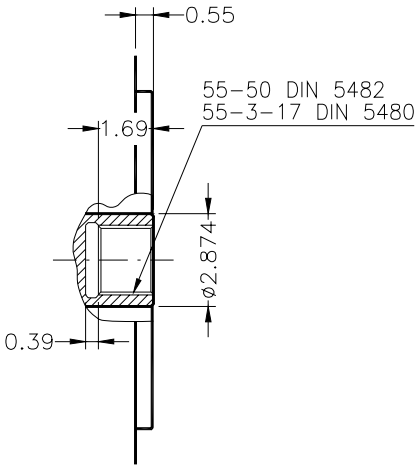
Tapered **2**



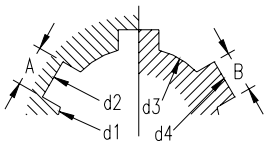
Parallel Keyed **8**

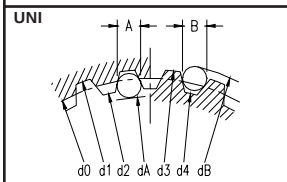


Internal DIN 5480 **9**
Spline DIN 5482 **3**



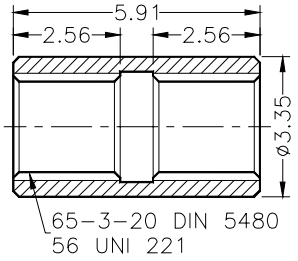
SPLINE DATA *(dimensions in mm [1 in = 25.4 mm])*





	65-3-20 DIN 5480	55-2-26 DIN 5482	55-3-17 DIN 5480	56 UNI 221
d0	Ø60.0	Ø52.0	Ø51.0	**d1** Ø56.0 +0.030 +0 H7
d1	Ø65.0 +0.740 +0 H14	Ø55.0 +0300 +0 H12	Ø55.0 +0.740 +0 H14	**d2** Ø65.0 +0.190 +0 H11
d2	Ø59.0 +0.190 +0 H11	Ø50.0 +0.160 +0 H11	Ø49.0 +0.160 +0 H11	**A** 10.0 +0.028 +0.013 F7
A	Ø5.25	Ø3.5	Ø5.25	**d3** Ø56.0 -0.010 -0.029 g6
da	Ø54.101 +0.190 +0 H11	Ø46.902 +0.100 +0 H10	Ø43.807 +0.160 +0 H11	**d4** Ø65.0 -0.100 -0.290 d11
d3	Ø64.4 -0 -0.190 h11	Ø54.5 -0 -0.190 h11	Ø54.4 -0 -0.190 h11	**B** 10.0 -0.013 -0.028 f7
d4	Ø58.4 -0 -0.740 h14	Ø49.0 -0 -0.300 h12	Ø48.4 -0 -0.620 h14	
B	Ø6.0	Ø3.5	Ø6.0	
db	Ø70.999 -0.030 -0.076 f8	Ø56.953 -0.060 -0.134 e9	Ø60.873 -0.030 -0.076 f8	

ADAPTOR



ORDER CODES

GM4	800	1	-	-	D316	-	-	-

MOTOR CODE

1. **Nominal displacement** - See motor spec. table
2. **Shaft options:**
   - 7 = Ext. 65-3-20 DIN 5480
   - 1 = Ext. 56 UNI 221
   - 9 = Int. 55-3-17 DIN 5480
   - 3 = Int. A 55-50 DIN 5482
   - 2 = Tapered Keyed
   - 8 = Parallel Keyed
3. **Bearings:**
   - No code = Roller bearings
   - G = Spherical roller bearings
4. **Other options:**
   - HP = High pressure version only 400, 500, 600, 800, 900
   - U = Without shaft seal
   - SV = Shaft seal protection
   - VY = Viton seals
   - I = Case press. relief valve 43psi

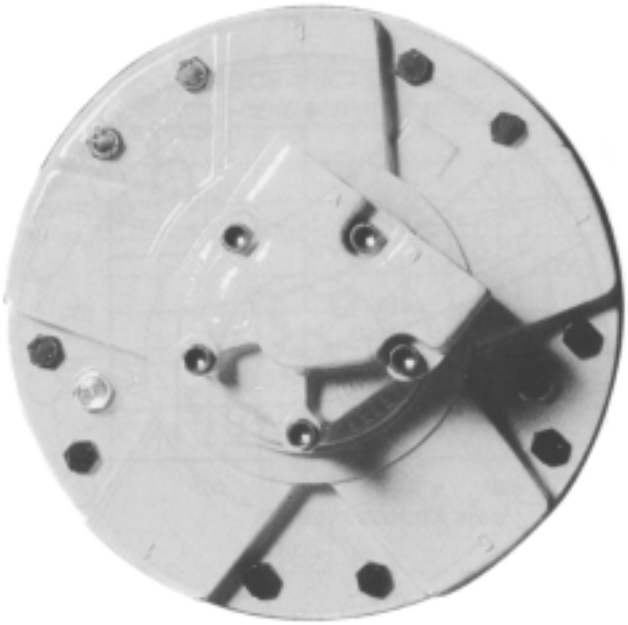
DISTRIBUTOR CODE See Page 46

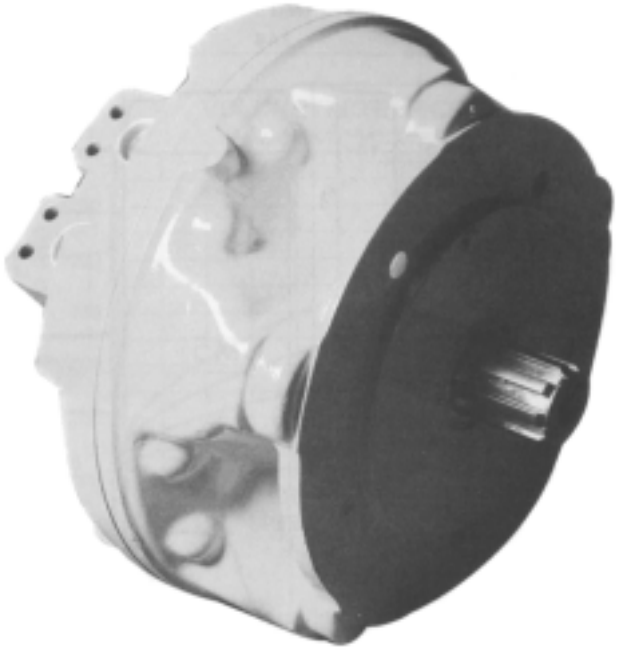
5. **Distributor**: D316 standard
6. **Tachometer:**
   - K = Predisposed for tachometer
   - J = Mechanical Tach. mount
   - JB2 = Mount for BEI encoder E25 BA (type 6R)
   - JB4 = Mount for Hall Effect switch up to 200 pulses per rev.

ASSEMBLY CODES

7. **Direction of shaft rotation:** standard motors are supplied with clockwise rotation (viewed from shaft end) with flow in port A, out port B.
   - No code = Clockwise rotation
   - L = Counter-Clockwise rotation
8. **Distributor cover position:** See Page 7
   - No code = Position DM1
   - DM~ = Other position

GM5A





GM5A		525	650	800	1000	1200	1300	1450	1600	1800	2000
Displacement	*in³/rev*	32.10	40.21	49.25	63.40	72.31	81.77	89.22	99.71	110.80	122.50
Specific torque	*lb.ft/100psi*	42.60	53.36	65.35	84.13	95.95	108.51	118.39	132.31	147.03	162.55
Cont. pressure [1]	*psi*	3550	3550	3550	3550	3550	3550	3550	3550	3550	3550
Peak pressure	*psi*	6400	6400	6000	6000	5700	5700	5500	5500	5000	5000
Peak press. [2]	*psi*	8500	8500	7000	7000	7000	7000	-	-	-	-
Max. speed [3]	*rpm*	700	650	625	550	500	450	425	400	375	325
Peak power	*HP*	190	190	190	190	190	190	190	190	190	190

Approximate weight:	286 lbs
Motor casing oil capacity:	2.6 gallons
Max. casing pressure:	14 psi continuous 70 psi peak

1) Continuous or average working pressure should be chosen in function of the bearing lifetime.
2) High pressure version (HP).
3) Speed limitation with optional low speed distributors: cont. 250 rpm, max 500 rpm (see distributors, page 46).

BEARING OPTIONS

For longer lifetimes, contact our technical department.

Roller bearings (standard) - recommended for most applications. The lifetime is given in the bearing lifetime graph.

Spherical roller bearings (option G) - the lifetime is approximately 0.91 times the equivalent lifetime of the standard bearings.

ORDER CODES

GM5A	1000	1	-	-	D40	-	-	-

MOTOR CODE

1. Nominal displacement - See motor spec. table

2. Shaft options:

7 = Ext. 65-3-20 DIN 5480 (std)
1 = Ext. 56 UNI 221
9 = Int. 55-3-17 DIN 5480
3 = Int. 55-50 DIN 5482
2 = Tapered Keyed
8 = Parallel Keyed

3. Bearings:

No code = Roller bearings
G = Spherical roller bearings

4. Other options:

HP = High pressure version only 525, 650, 800, 1000, 1200, 1300
U = Without shaft seal
SV = Shaft seal protection
VY = Viton seals
I = Case press. relief valve 43psi

DISTRIBUTOR CODE See Page 46

5. Distributor: D316 standard

6. Tachometer:

K = Predisposed for tachometer
J = Mechanical Tach. mount
JB2 = Mount for BEI encoder E25 BA (type 6R)
JB4 = Mount for Hall Effect switch up to 200 pulses per rev.

ASSEMBLY CODES

7. Direction of shaft rotation: standard motors are supplied with clockwise rotation (viewed from shaft end) with flow in port A, out port B.

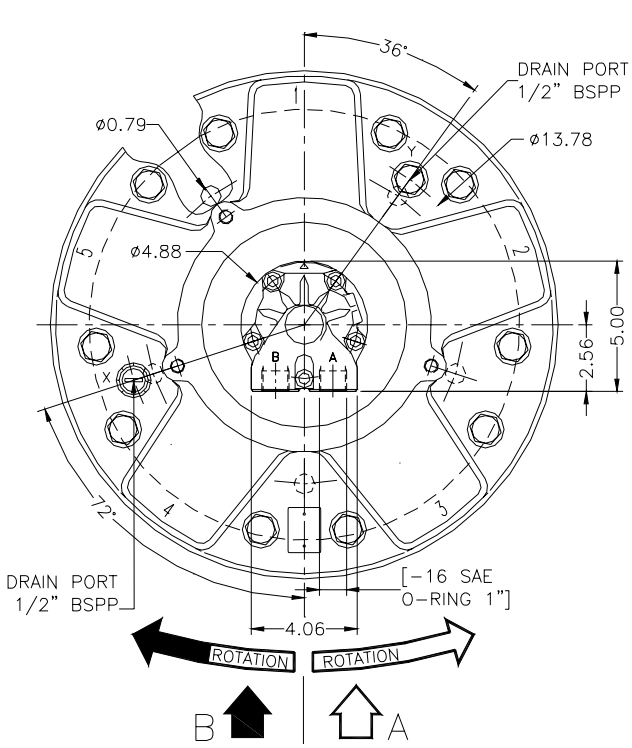
No code = Clockwise rotation
L = Counter-Clockwise rotation

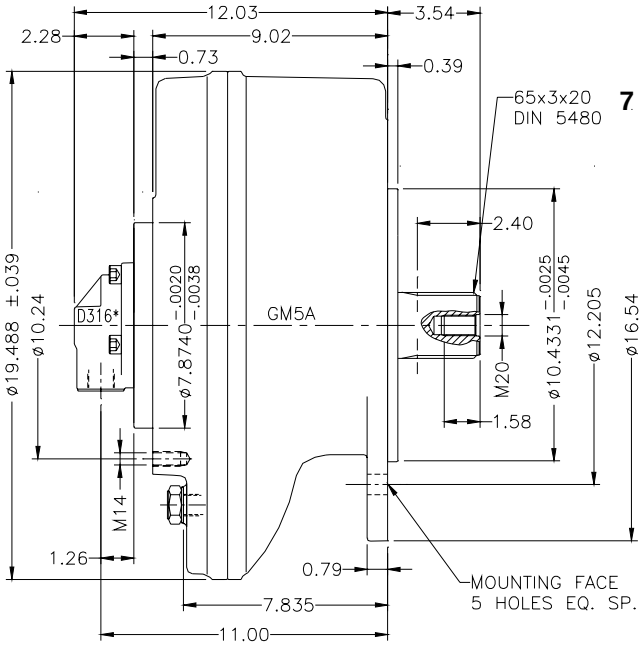
8. Distributor cover position: See Page 7

No code = Position DM1
DM~ = Other position

GM5A

DIMENSIONS





***For Distributor information, see pg. 46.**

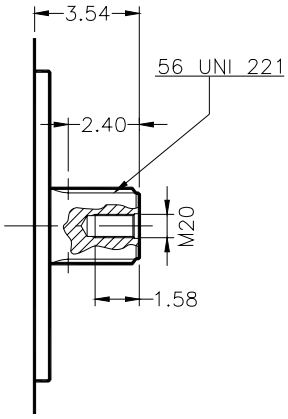
SHAFT OPTIONS

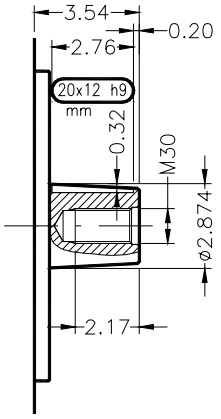
Splined DIN 5480 **7**
UNI 220 **1**

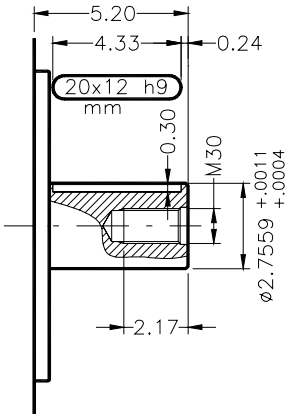
Tapered **2**

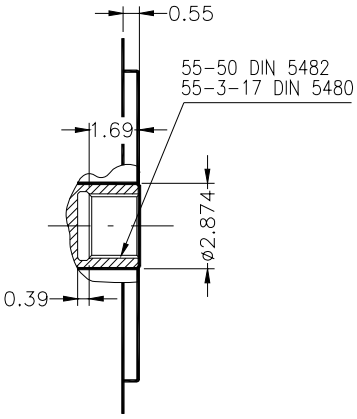
Parallel Keyed **8**

Internal DIN 5480 **9**
Spline DIN 5482 **3**

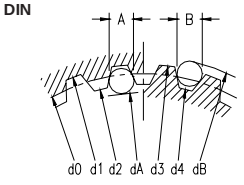


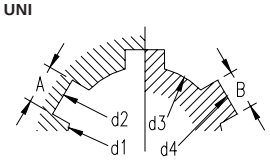






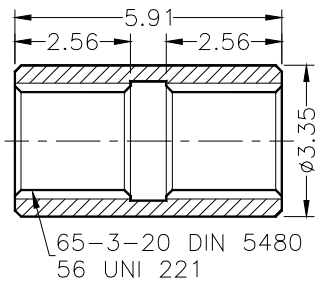
SPLINE DATA *(dimensions in mm [1 in = 25.4 mm])*





	65-3-20 DIN 5480	55-2-26 DIN 5482	55-3-17 DIN 5480	56 UNI 221
d0	Ø60.0	Ø52.0	Ø51.0	**d1** Ø56.0 +0.030 +0 H7
d1	Ø65.0 +0.740 +0 H14	Ø55.0 +0300 +0 H12	Ø55.0 +0.740 +0 H14	**d2** Ø65.0 +0.190 +0 H11
d2	Ø59.0 +0.190 +0 H11	Ø50.0 +0.160 +0 H11	Ø49.0 +0.160 +0 H11	**A** 10.0 +0.028 +0.013 F7
A	Ø5.25	Ø3.5	Ø5.25	**d3** Ø56.0 -0.010 -0.029 g6
da	Ø54.101 +0.190 +0 H11	Ø46.902 +0.100 +0 H10	Ø43.807 +0.160 +0 H11	**d4** Ø65.0 -0.100 -0.290 d11
d3	Ø64.4 -0 -0.190 h11	Ø54.5 -0 -0.190 h11	Ø54.4 -0 -0.190 h11	**B** 10.0 -0.013 -0.028 f7
d4	Ø58.4 -0 -0.740 h14	Ø49.0 -0 -0.300 h12	Ø48.4 -0 -0.620 h14	
B	Ø6.0	Ø3.5	Ø6.0	
db	Ø70.999 -0.030 -0.076 f8	Ø56.953 -0.060 -0.134 e9	Ø60.873 -0.030 -0.076 f8	

ADAPTOR



Distributors

			D4.. HS	D3.. LS	D30 LS	D90 HS	D250 HS
Speed	*rpm*	cont.	1200	300	300	700	500
		max.	2400	500	500	1200	1000
Pressure	*psi*	cont.	3550	3550	2000	3550	3550
		max.	7100	7100	4000	7100	7100
Flow	*gal(US)/min*	cont.	53	53	53	132	264
		max.	106	106	106	264	528

	PORTS	HS/LS	DESCRIPTION
D30A	3/4" BSP (A)	LS	Short distributor
D31A	3/4" BSP (R)	LS	
D36A	3/4" SAE (R)	LS	**Standard** for GM05, GM1 series
D310A	1" BSP (R)	LS	
D316A	1" SAE (R)	LS	**Standard** for GM2, GM3, GM3A, GM4, GM5A series
D311A	1" BSP (R)	LS	With purge valve 5.3 gal/min at 285 psi
D317A	1" SAE (R)	LS	With purge valve 5.3 gal/min at 285 psi
D312A	3/4" BSP (R)	LS	With purge valve 5.3 gal/min at 285 psi
D313A	1" BSP (R)	LS	With shuttle valve
D314A	1" SAE (R)	LS	With anti-cavitation valve
D315A	3/4" BSP (R)	LS	With shuttle valve
D37A	1" SAE 3000 psi (R)	LS	
D40A	1" BSP (R)	HS	For applications that require high speed & back pressure
D416A	1" SAE (R)	HS	For applications that require high speed & back pressure
D47A	1" SAE 3000 psi (R)	HS	
D48A	1" BSP (R)	HS	With double pressure relief valves, 6000 psi, 40 gal/min
D481A	1" BSP (R)	HS	As D48, with purge valve 5.3 gal/min at 285 psi
D49A	1" BSP (R)	HS	With double pressure relief valves, 3000 psi, 20 gal/min
D491A	1" BSP (R)	HS	As D49, with purge valve 5.3 gal/min at 285 psi
D90A	1.5" SAE 6000 psi (R)	HS	**Standard** for GM6 & L7series
D250A	2" SAE 6000 psi (R)	HS	High capacity distributor

HS = high speed
LS = low speed
(A) = axial ports
(R) = radial ports

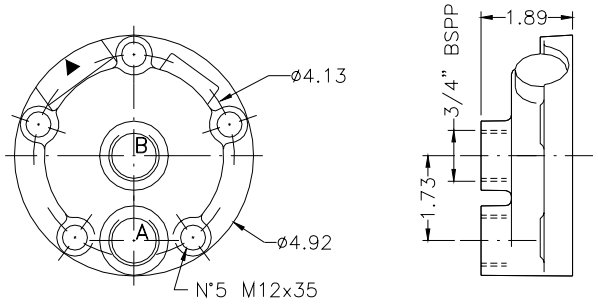
Note: D42 substituted by D312(HS)
D421 substituted by D313(HS)
D422 substituted by D314(HS)

Distributors

D30A

Light distributor with axial port connections.
NB: Cont. press. 2000 psi; peak pressure 4000 psi.

Weight: 5.5 lbs



D31A

Distributor with 3/4" BSP ports.

D36A

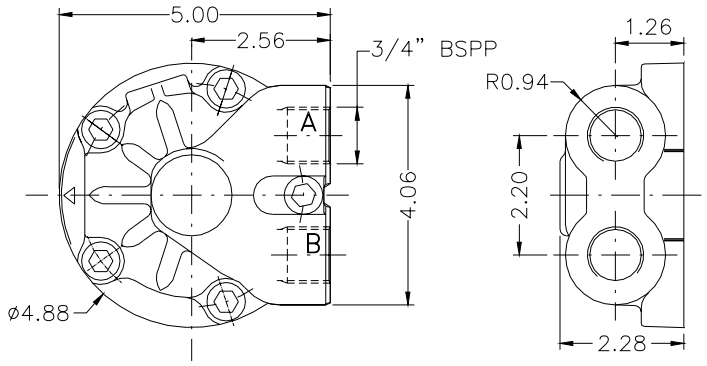
Distributor with -12 SAE O-Ring 3/4" ports.

D310A

Distributor with 1" BSP ports.

D316A

Distributor with -16 SAE O-Ring 1" ports.
Weight: 8 lbs



D311A

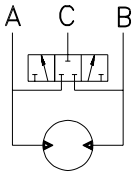
Distributor with low pressure purge valve. Max flow 5.3 gal/min at 285psi.

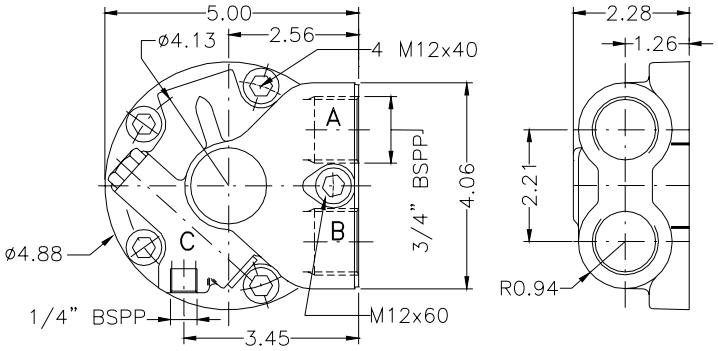
D317A

Same as D311 but with -16 SAE O-Ring 1" ports.

D312A

As D311, with -12 SAE O-Ring 3/4" ports.
Weight: 9.9 lbs





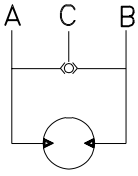
D313A

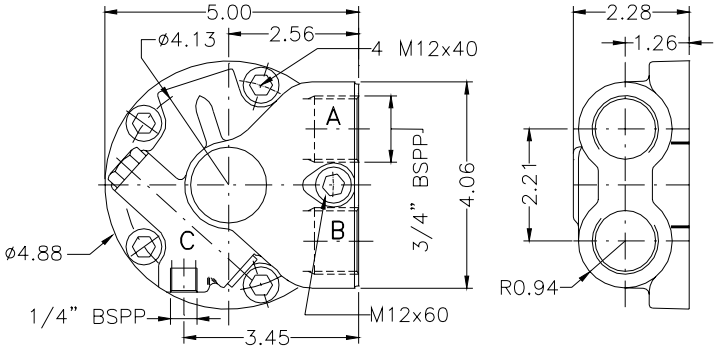
Distributor with shuttle valve for high pressure pilot

D315A

Same as D313 but with -16 SAE O-Ring 1" ports.

Weight: 9.9 lbs

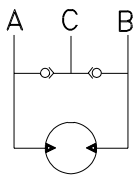


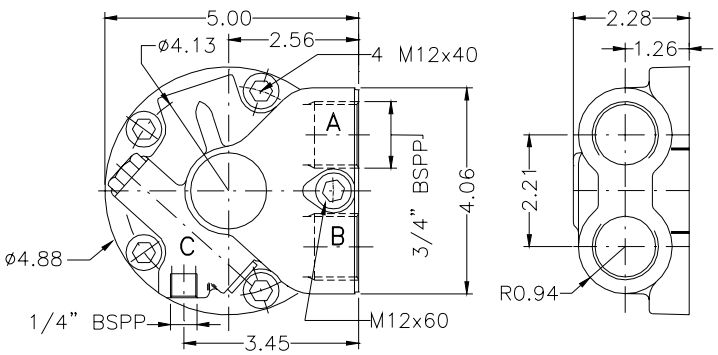


D314A

Distributor with anti-cavitation valve

Weight: 9.9 lbs



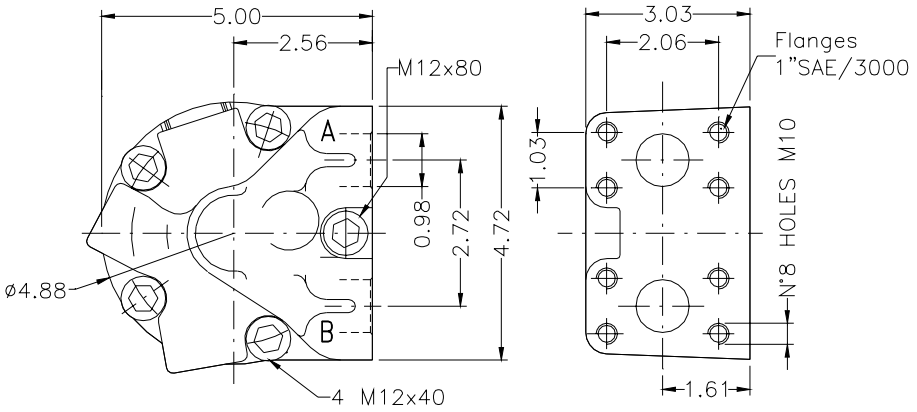


Distributors

D37A

Distributor with 1” SAE,
3000 psi flanges

Weight*:* 11 lbs



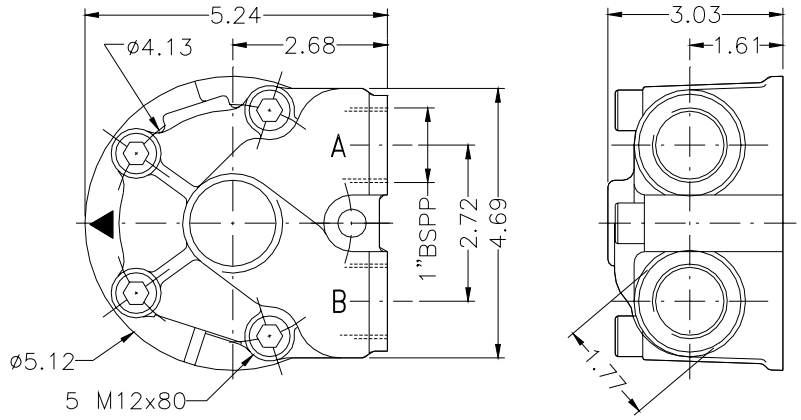
D40A

Distributor with 1” BSP ports.

D416A

Distributor with -16 SAE O-Ring 1” ports.

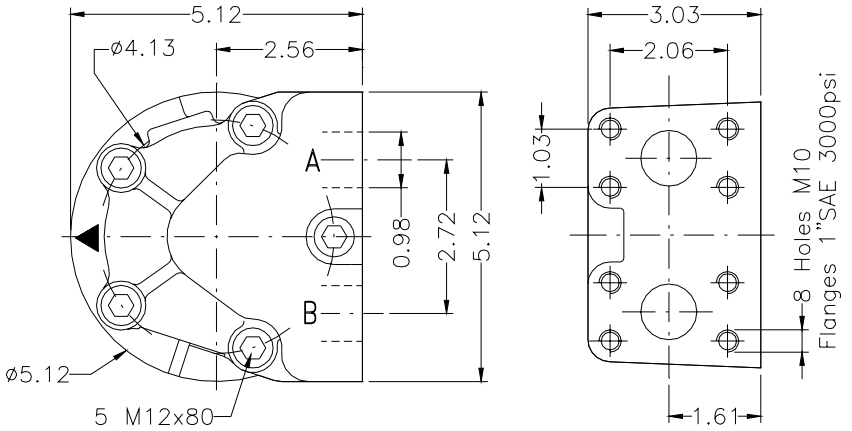
Weight*:* 11 lbs



D47A

Distributor with 1” SAE,
3000 psi flanges

Weight*:* 13 lbs



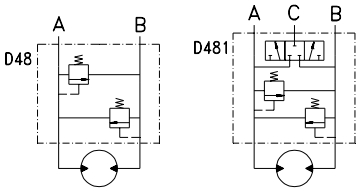
D48A

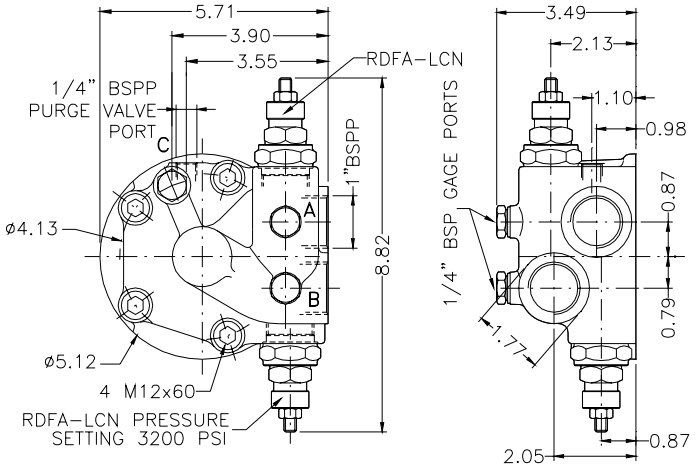
Distributor with direct acting relief valves. Variable pressure settings, max. 6000 psi. Max flow 50 gpm.

D481A

Same as D48A, but with purge valves (C port).

Weight*:* 13 lbs





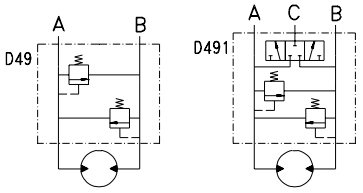
D49A

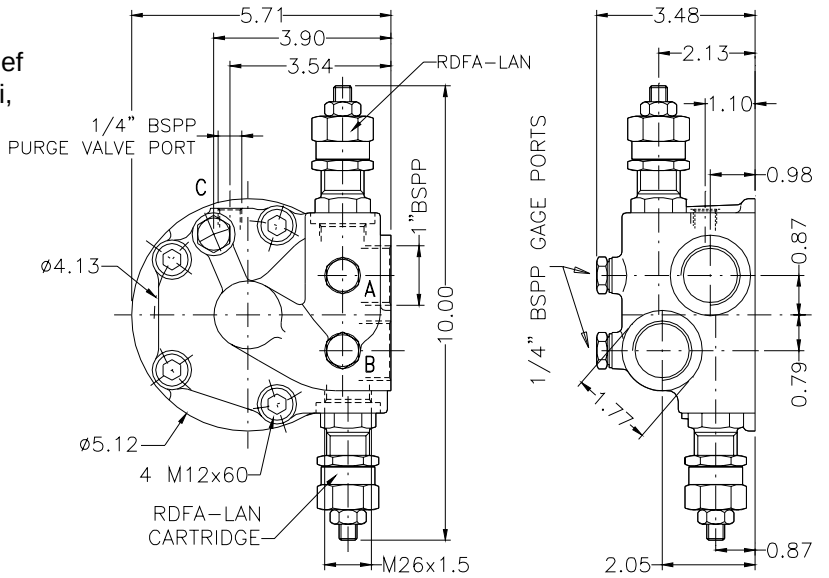
Distributor with double sliding spool pressure relief valves. Variable pressure settings, max 3000 psi, max flow 20 gal/min.

D491A

Same as D49, but with purge valves (C port), 5.3 gal/min. at 285 psi.

Weight: 13 lbs

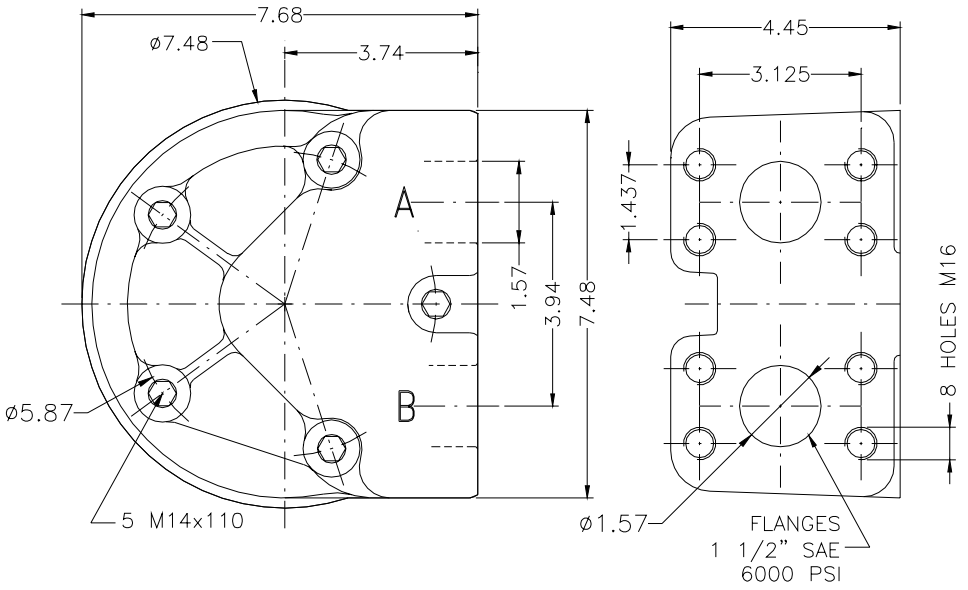




D90A

Standard distributor for GM6 Series Motors.

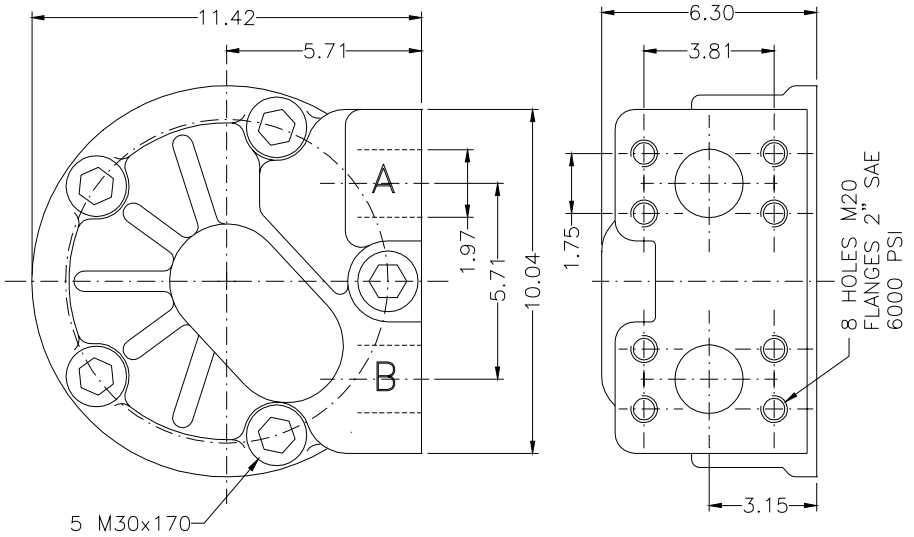
Weight: 32 lbs



D250A

High flow distributor.

Weight: 110 lbs

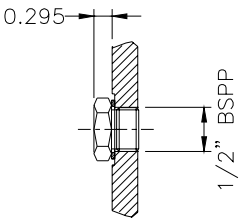


Distributors

MECHANICAL TACHOMETER

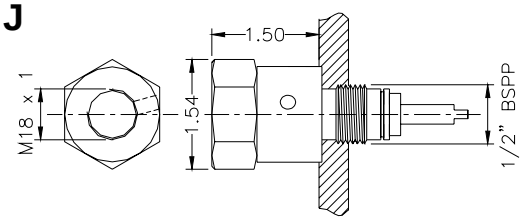
Tachometer drive plug

Code **K**



Tachometer drive

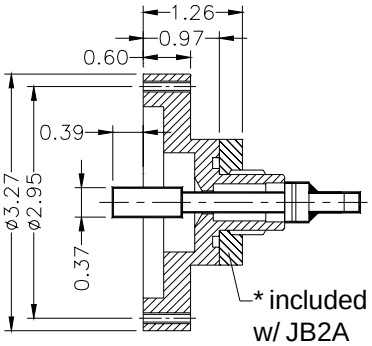
Code **J**



Tach Drive Mount
for BEI Encoder E25 BA
(type 6R) on request

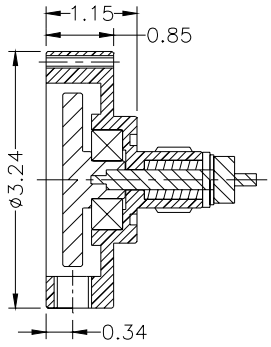
Code **JB2A***
* use w/ D3... only

Code **JB2**
use w/ all other
distributors



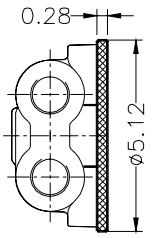
Tach Drive Mount
for Hall Effect
Switch on request

Code **JB4**



High speed option for low speed distributors: D3.. (HS)

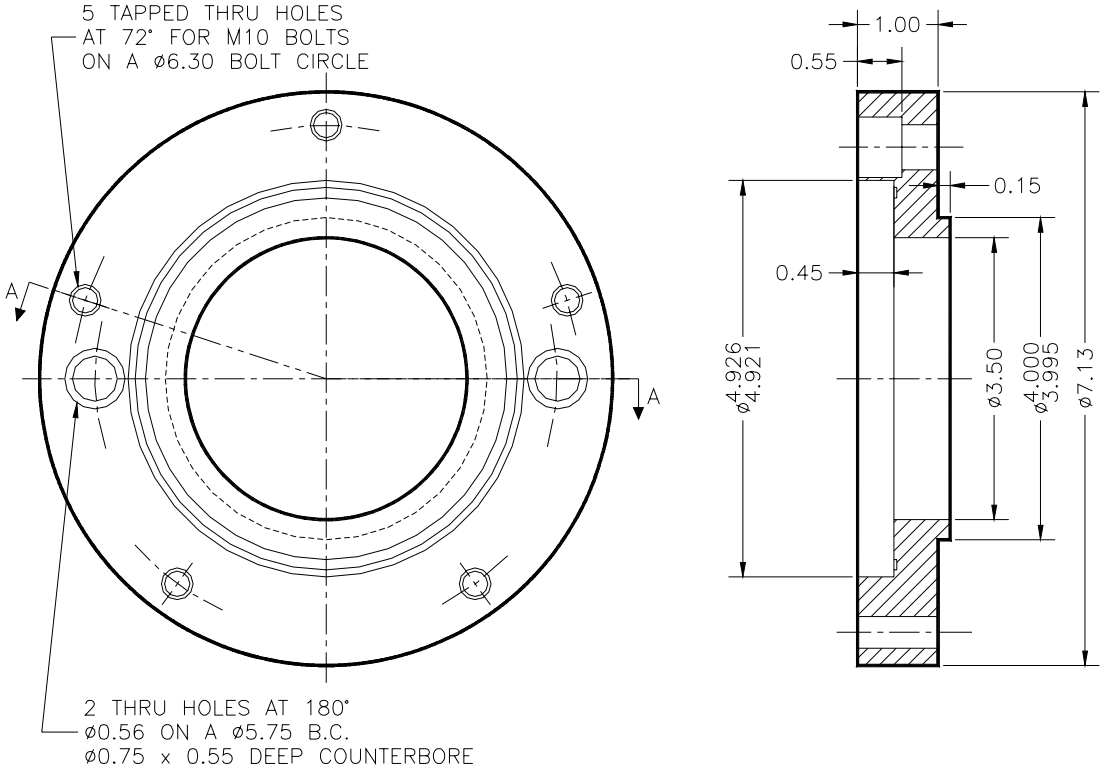
Low speed (LS) distributors such as D30, D31 ... D37 can be supplied mounted on a bronze disc (see figure). With this disc these distributors have the same max speed characteristics as high speed distributors (HS).



ORDER CODES

	DESCRIPTION	CODE
(7)	DISTRIBUTOR TYPE	**D . . .**
(8)	Valve pressure setting (bar)	**(. . .)**
(9)	Predisposed for tachometer	**K**
	Mechanical Tach. mount	**J**
	Mount for BEI encoder E25 BA (type 6R)	**JB2/JB2A**
	Mount for Hall Effect switch up to 200 pulses per rev.	**JB4**

GM05 SAE 'B' 2 BOLT FLANGE



GM1 SAE 'C' 4 BOLT FLANGE