



Hydraulic Gear Pump Group G1, G2 and G3

DEC-2023

BOSS Hydraulics LLP (Formerly Known as SS Hydraulics) is an **ISO 9001:2015** Certified Company. We produce Hydraulic Gear Pumps with Cast Iron and Aluminium extrusion housing, Hydraulic Mini Power Packs (AC, DC) and Hand Pump under the brand name of **BOSS. SINCE THE YEAR 2000...**

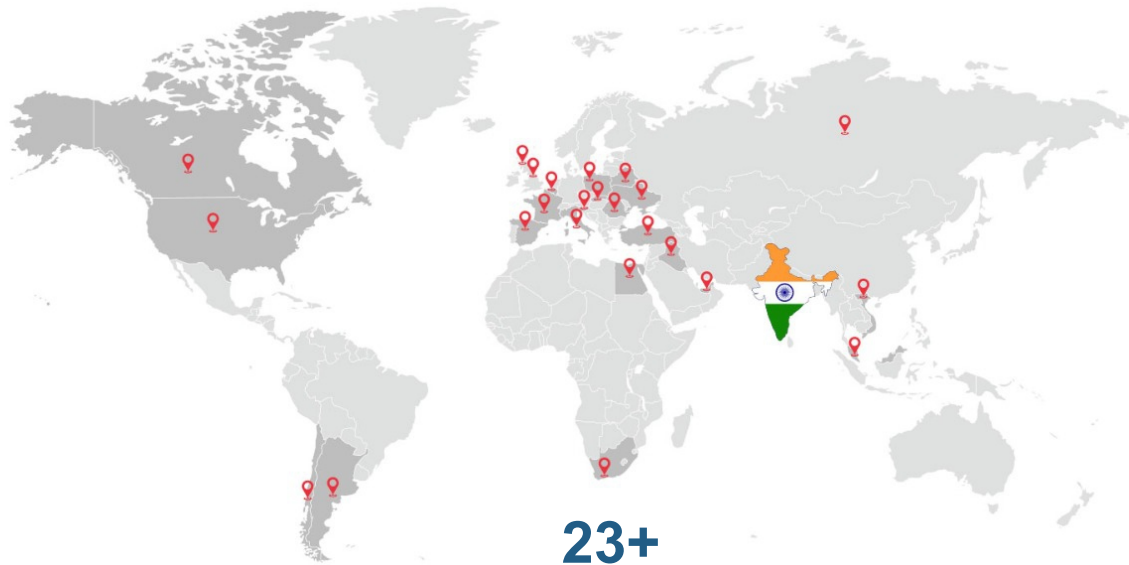
BOSS Hydraulics LLP has Customer across the globe **BOSS HYDRAULICS LLP**, having state of the art manufacturing facilities, incorporates the largest process technologies, It is able to meet varied customer needs with range of over 100 different types of hydraulic pumps with displacement ranging from 1 cc to 110 cc with maximum pressure of 250 Bar.

BOSS Hydraulics LLP also having Distribution Division of Hydraulic Parts like Hydraulic Motors, Hydraulic Steering Units, Hydraulic Control Valves which are Imported from across the Globe and distributing in India under the brand of **MERBOK (www.merbok.in)**.

BOSS Hydraulics LLP exports under the **Brand of MERBOK** to more than **23 countries**, including **UK, ITALY, FRANCE, POLAND, BELARUS, ROMANIA, SLOVAKIA, SLOVENIA, EGYPT, UAE, MALAYSIA, VIETNAM** etc...



GLOBAL PRESENTS



23+
Countries



« DESIGN

BOSS has Designing with 3D Software Solidworks 2020 for Modelling and Drafting. BOSS has Reverse Engineering Facility with CMM with PH20 Auto-Probing 5-Axis System (Renishaw).

QUALITY»

- Quality with Precise Measurement (0.00001mm) with CMM make Accurate Spectra, using PH20 5-Axis Infinite Indexing Touch Trigger system. Measuring Range: X-600mm, Y-1000mm, Z-500mm
- Digital Height Gauge with (0.001mm) measurement, make Trimos from Switzerland. Measuring Range 400mm
- Surface value measurement with Roughness Tester make- mitutoyo.



«VMC SHOP

HAAS(USA) make machine with Rotary table 360° (4th Axis). ACE Micromatic make machine with Pallet Changer.

CNC ANGULAR GRINDING »

3 Axis CNC Cylindrical Angular Grinding Machine, with in process width control and OD Control Gauge from MARPOSS (italy)



«CNC SHOP

BH has equipped with CNC Lathes which includes HAAS(USA)and ACE Micromatic India Producing all major components in-house machining

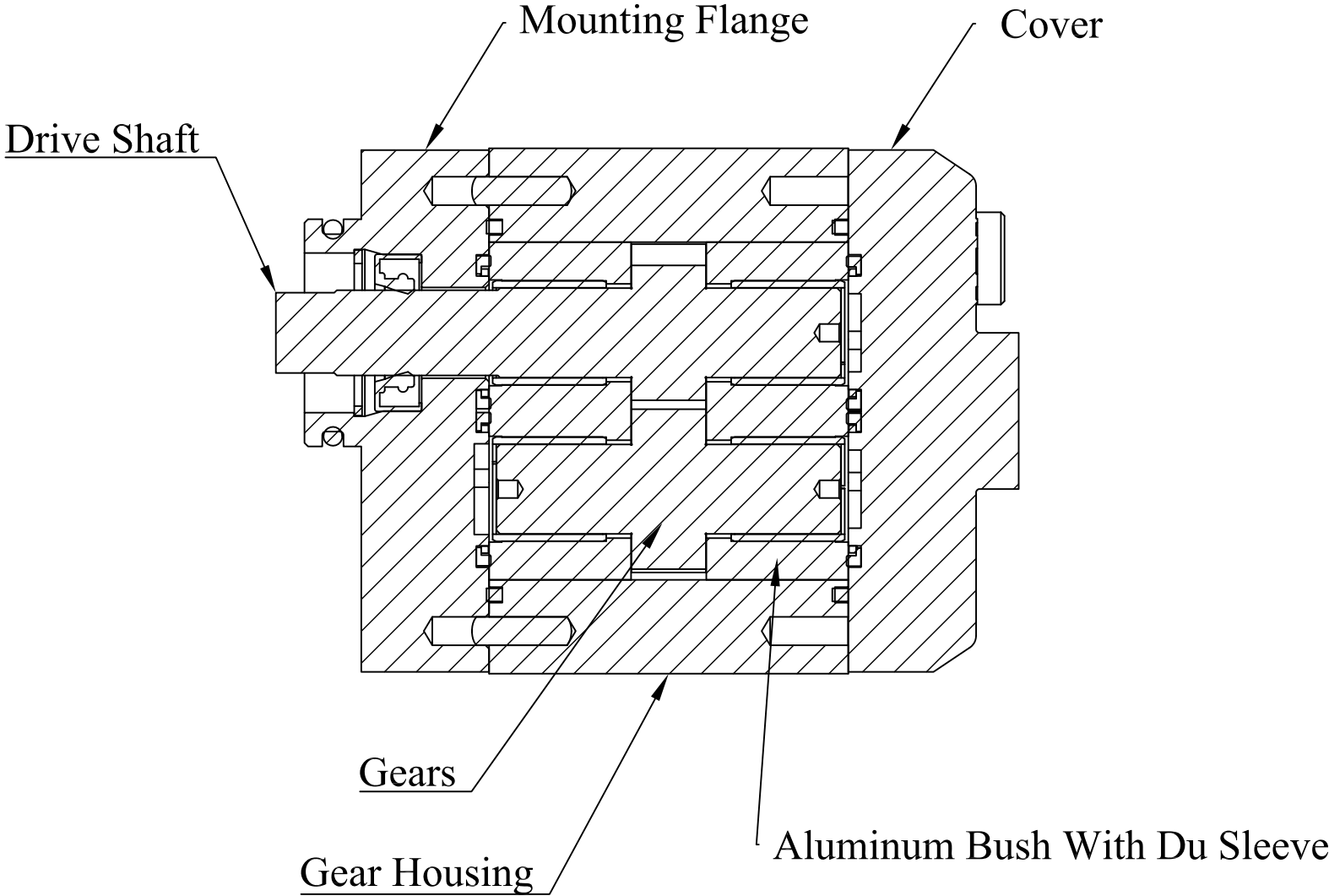
GEAR SHOP »

BH equipped with Churchil Gear Hobbing machine and Red Ring UK Gear Shaving Machine for making in-house gear production

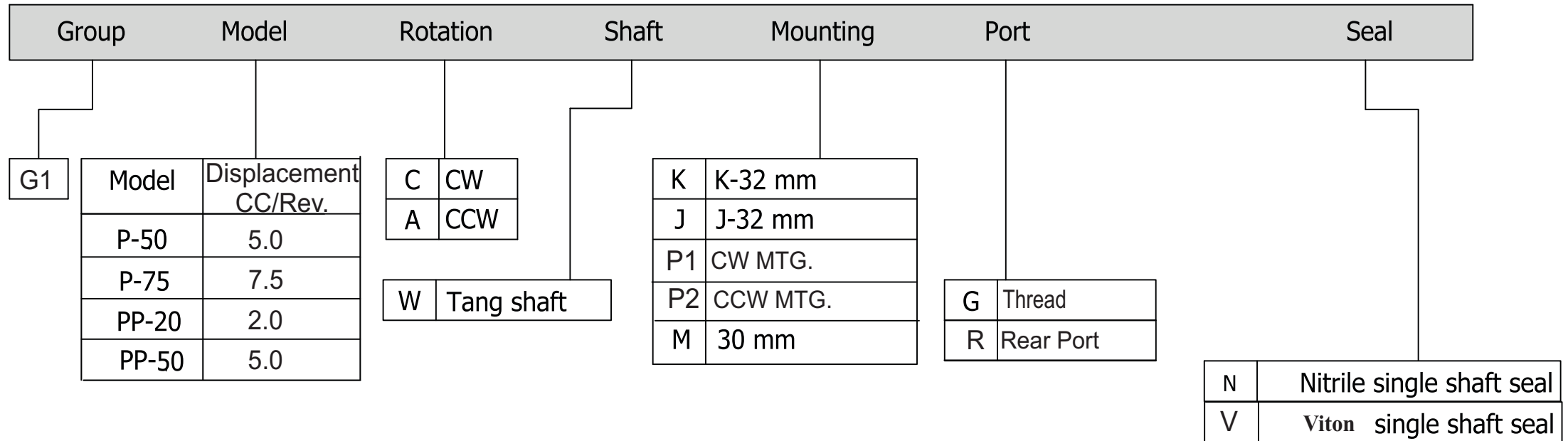


« ASSEMBLY & TESTING

BH has DUST PROOF assembly room with Temperature control with AC for making assembly very precisely with controlled tolerance components for better performance

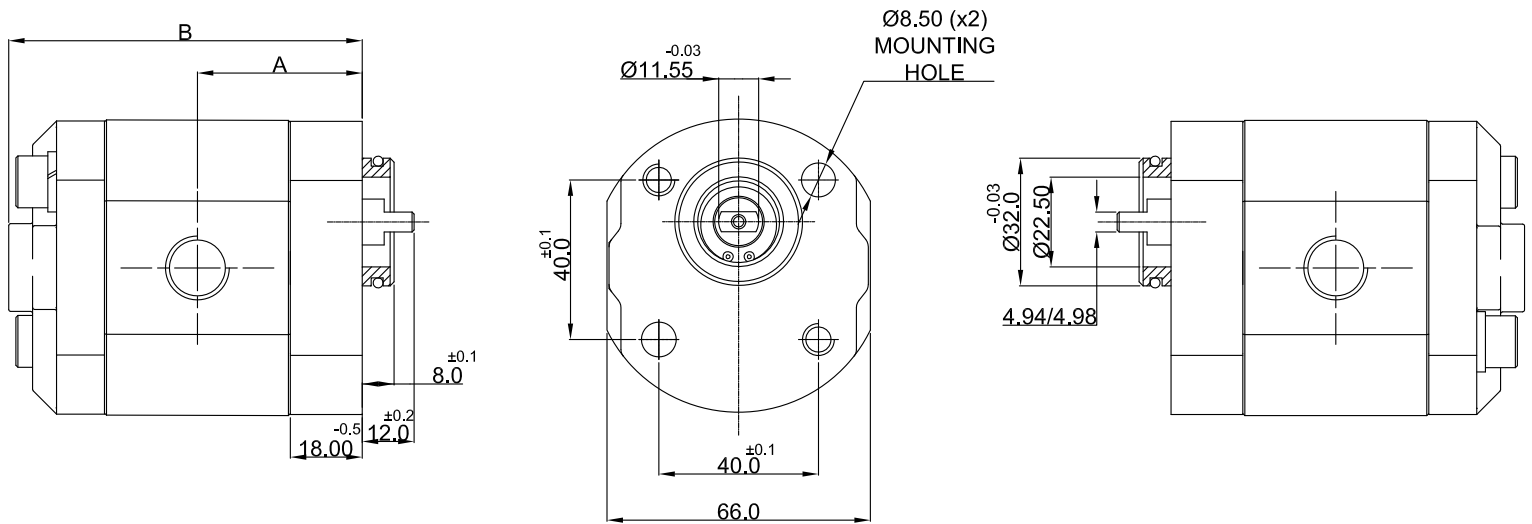


HOW TO ORDER (GROUP G1)



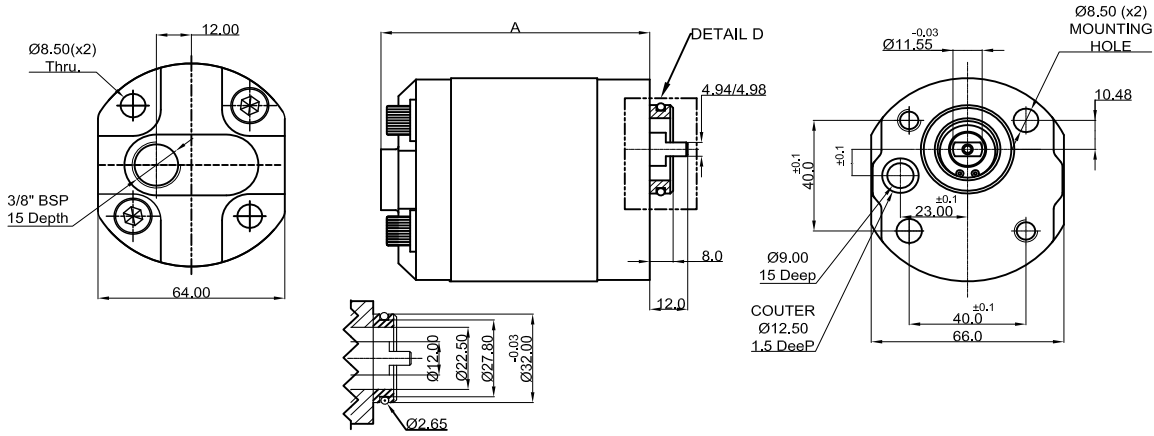
Example : G1P10CWKGN = G1 Group, Model, Direction of rotation, Shaft, Mounting/Flange, Port, Seal

GROUP G1 PUMP TECHNICAL DATA



MODEL NO.	Displacement cc/rev.	PRESSURE P Bar	MAX SPEED rpm	DIMENSION			
				A	B	SUCTION	DELIVERY
				mm	mm		
P-50	5.0	200	3000	48.00	102.10	G 1/2"	G 3/8"
P-75	7.5	200	3000	53.80	113.60	G 1/2"	G 1/2"

GROUP PP TECHNICAL DATA

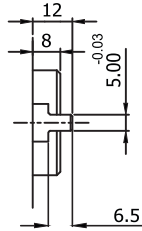


DETAIL D-D

MODEL NO.	Displacement cc/rev.	PRESSURE P Bar	MAX SPEED rpm	DIMENSION		
				A	SUCTION	DELIVERY
				mm		
PP-20	2.0	200	3000	80.60	G 3/8"	Ø9.00mm
PP-50	5.0	200	3000	91.30		

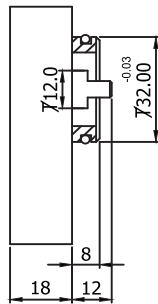
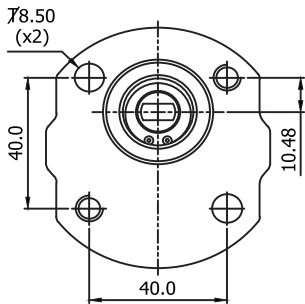
SHAFTS

W

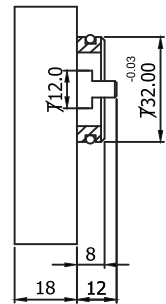
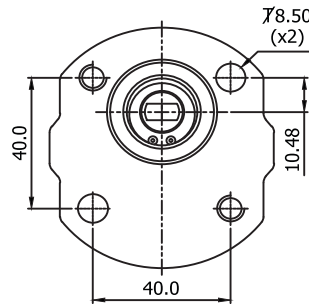


MOUNTING FLANGE

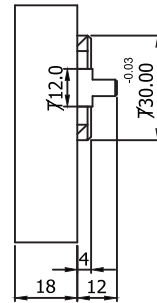
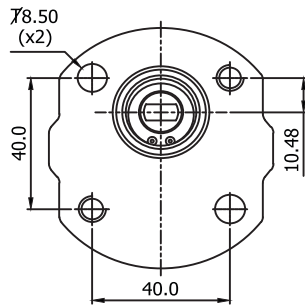
K



J

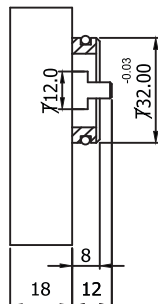
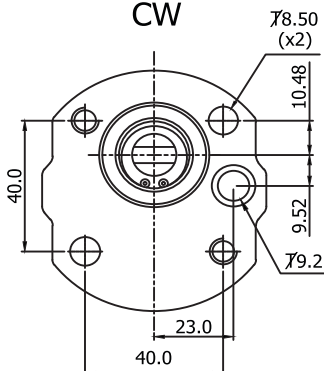


M



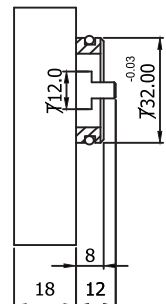
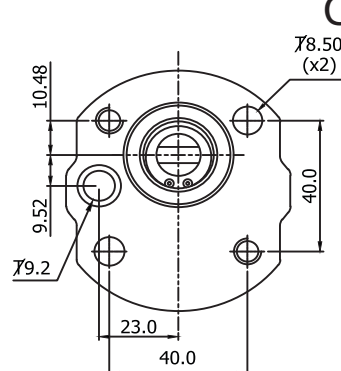
P1

CW



P2

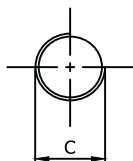
CCW



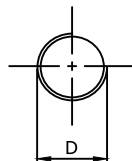
PORTS

CODE - G

Suction



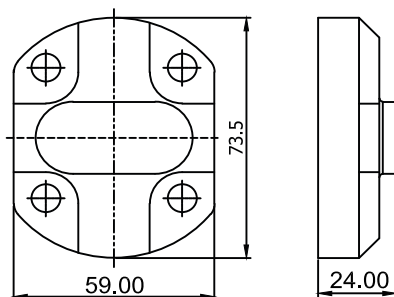
Delivery



TYPE	C	D
P50	G 3/8"	G 3/8"
P75	G 1/2"	G 1/2"

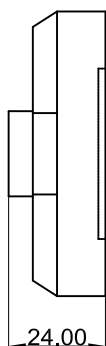
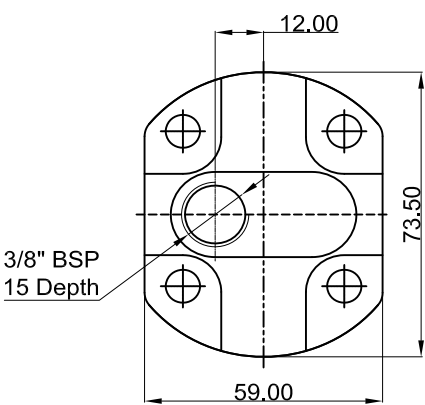
REAR COVER

CODE - B

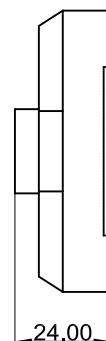
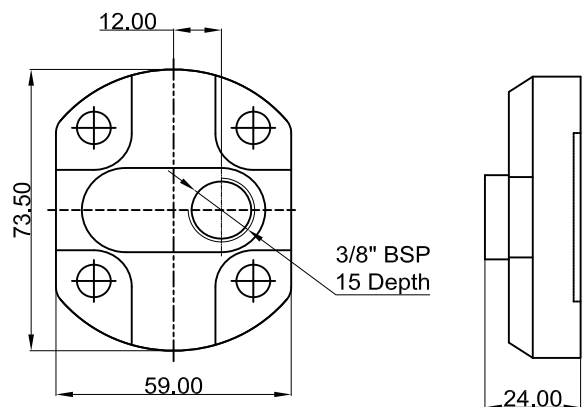


CODE - R

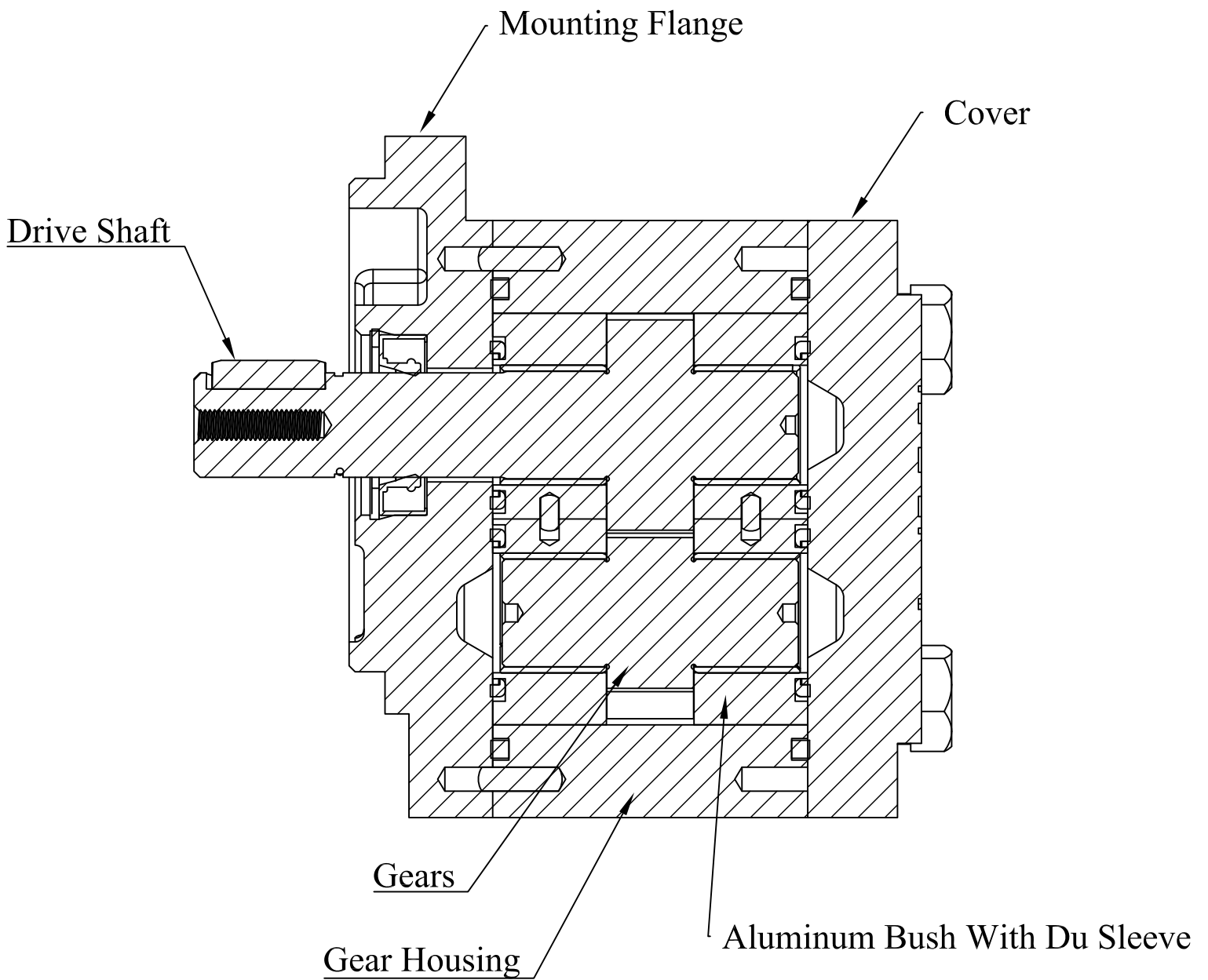
CCW



CW



GROUP G2 SECTION VIEW



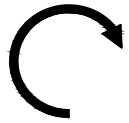
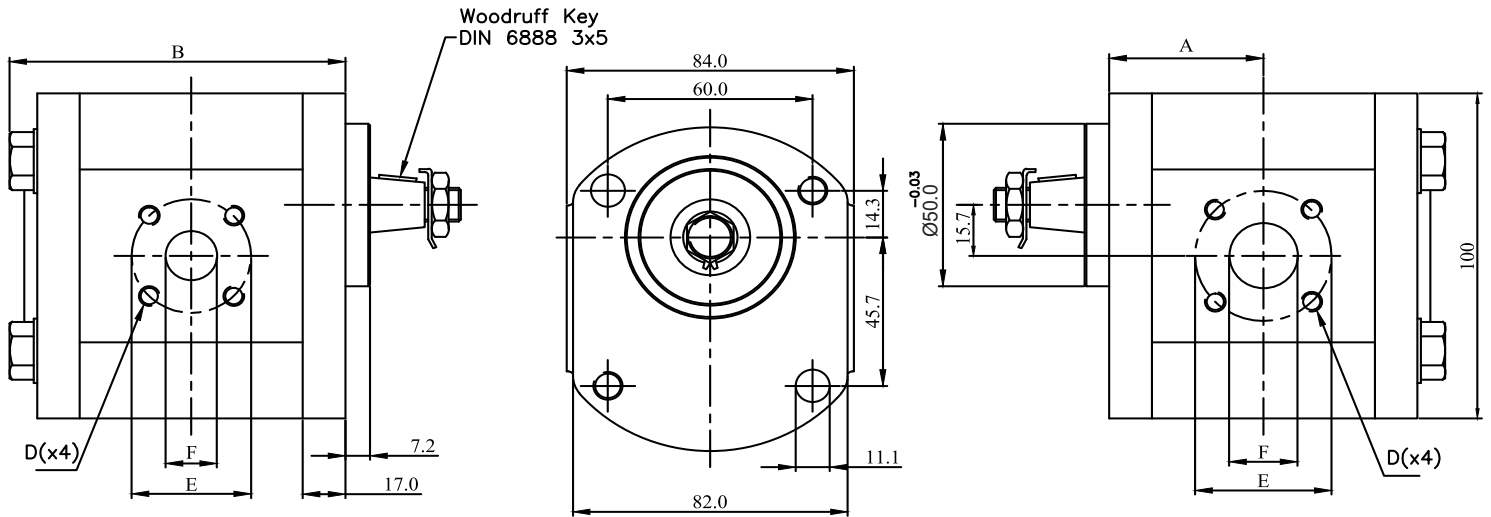
HOW TO ORDER (GROUP G2)



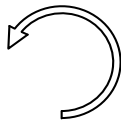
Group		Type		Rotation		Displacement		Shaft		Port		Seal	
G2	G2T	S1	SAE A (INCH)	C	CW	Model	cc/rev.	C1	Cylindrical □17.45	T	BSP Thread	N	All Nitrile with one shaft seal
		S	SAE A	A	CCW	4	4.0	C2	Cylindrical □15.85	G	BSP Thread	V	All Viton with one shaft seal
		D	4 bolt flange			5	5.5	T1	Taper 1:5	N	PCD Flange	E	All Nitrile with double shaft seal
		O	4 bolt 80 mm			8	8.5	T2	Taper 1:8	M	PCD Flange		
		K	K-50 mm			11	11.0	S1	Spline 9T 16/32	U	UNF Thread		
		J	J-50 mm			14	14.0	S2	Spline 9T B17x14	I	Inch Size		
		M	M-88 mm			16	16.0	S3	Spline 11T 16/32	R	Rear Port		
		L	L-52 mm			19	19.0	I	Inch Size				
		X	Bearing support			22	22.0						
		Sp	Special mounting			25	25.0						
						28	28.0						
						30	30.0						

Example : G2SC4C2TN = G2 Group, Mounting/Flange, Direction of rotation, Displacement, Shaft, Port, Seal

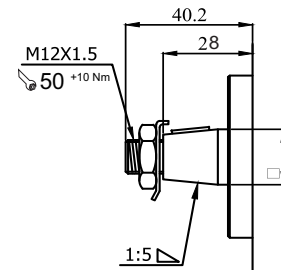
Pump Type - G2K.x..



Clockwise
Rotation

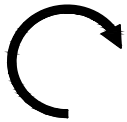
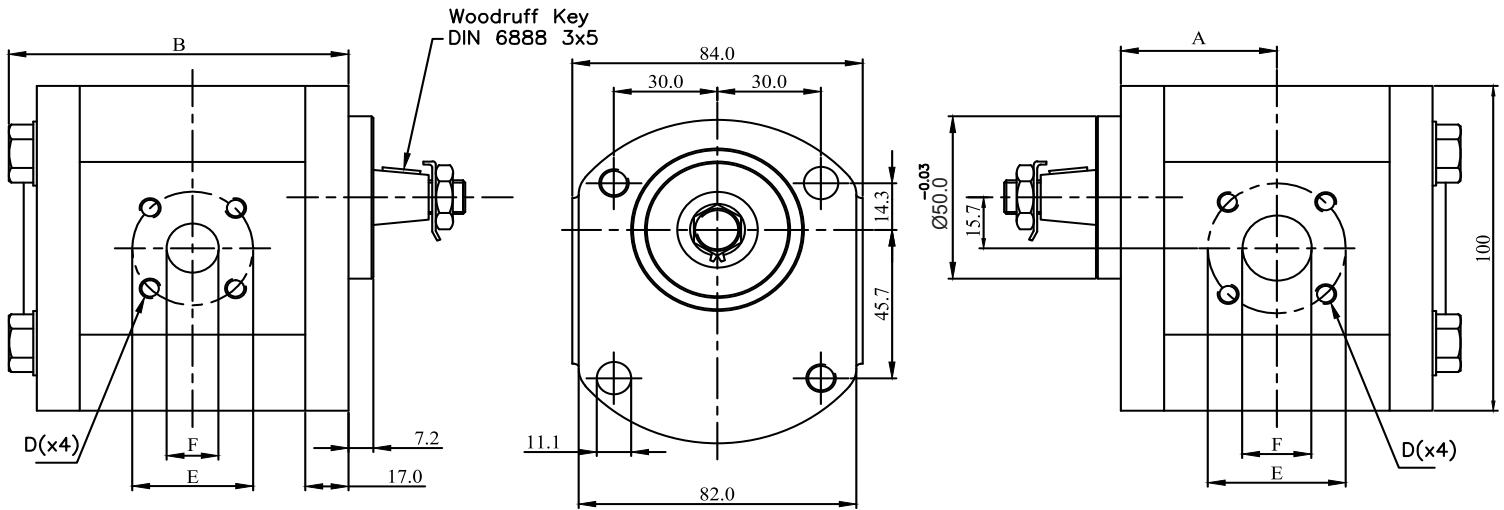


COUNTER CLOCKWISE
ROTATION

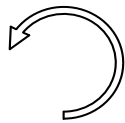


Pump Type	Displacement cc /rev	Pressure P1 bar	Max Speed rpm	Dimension							
				A mm	B mm	Suction			Delivery		
						D	E	F	D	E	F
G2K.x4	4.00	250	3500	37.4	87.0	M6-6H	Ø40.0	Ø20.00	M6-6H	Ø35.0	Ø15.5
G2K.x5	5.00	250	3500	38.6	89.0						
G2K.x8	8.00	250	3500	40.6	93.5						
G2K.x11	11.00	250	3000	45.0	98.5						
G2K.x14	14.00	250	2500	45.0	103.5						
G2K.x16	16.00	250	2500	45.0	106.5						
G2K.x19	19.00	230	2500	45.0	111.5						
G2K.x22	22.00	210	2500	52.5	117.0						
G2K.x25	25.00	170	2500	58.7	121.5						
G2K.x28	28.00	140	2500	60.8	125.7						
G2K.x30	30.00	130	2000	62.2	128.5						

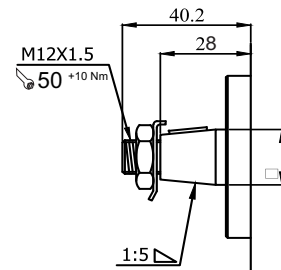
Pump Type - G2J.x..



Clockwise
Rotation

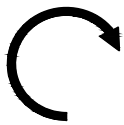
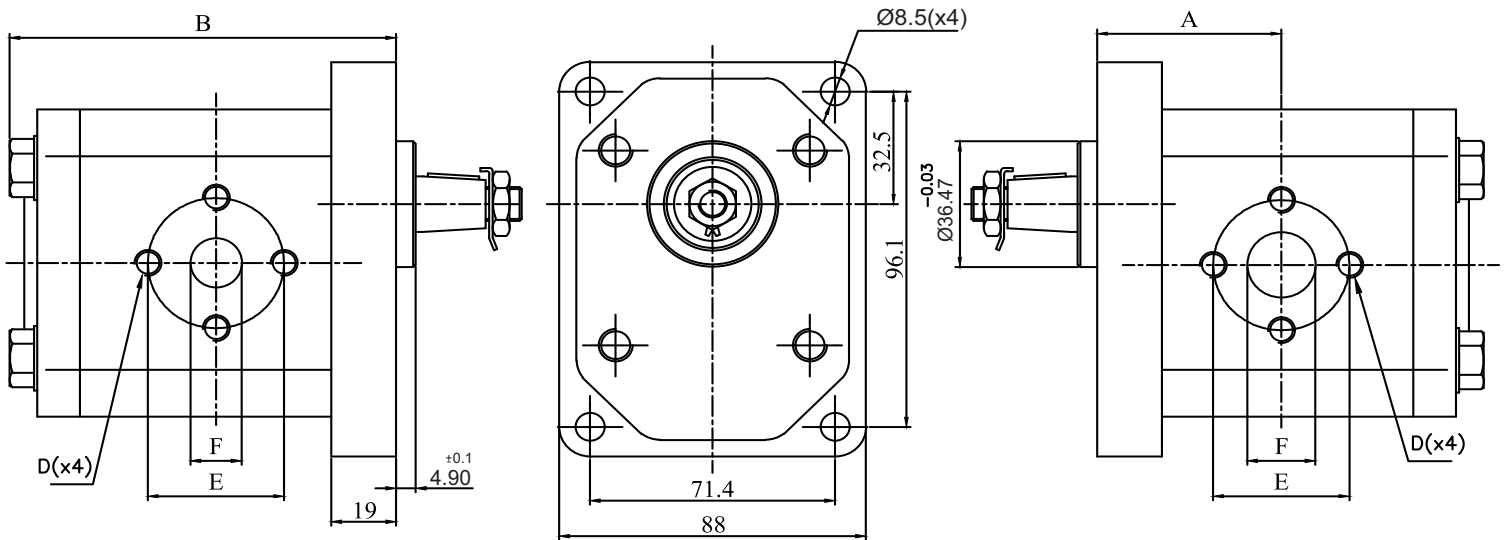


COUNTER CLOCKWISE
ROTATION

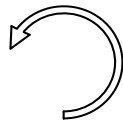


Pump Type	Displacement cc /rev	Pressure P1 bar	Max Speed rpm	Dimension							
				A mm	B mm	Suction			Delivery		
						D	E	F	D	E	F
G2J.x4	4.00	250	3500	37.4	87.0	M6-6H	Ø40.0	Ø20.00	M6-6H	Ø35.0	Ø15.5
G2J.x5	5.00	250	3500	38.6	89.0						
G2J.x8	8.00	250	3500	40.6	93.5						
G2J.x11	11.00	250	3000	45.0	98.5						
G2J.x14	14.00	250	2500	45.0	103.5						
G2J.x16	16.00	250	2500	45.0	106.5						
G2J.x19	19.00	230	2500	45.0	111.5						
G2J.x22	22.00	210	2500	52.5	117.0						
G2J.x25	25.00	170	2500	58.7	121.5						
G2J.x28	28.00	140	2500	60.8	125.7						
G2J.x30	30.00	130	2000	62.2	128.5						

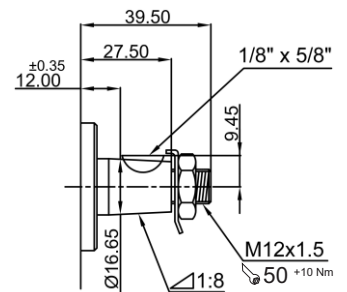
Pump Type - G2D.x..



Clockwise
Rotation

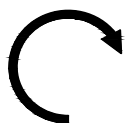
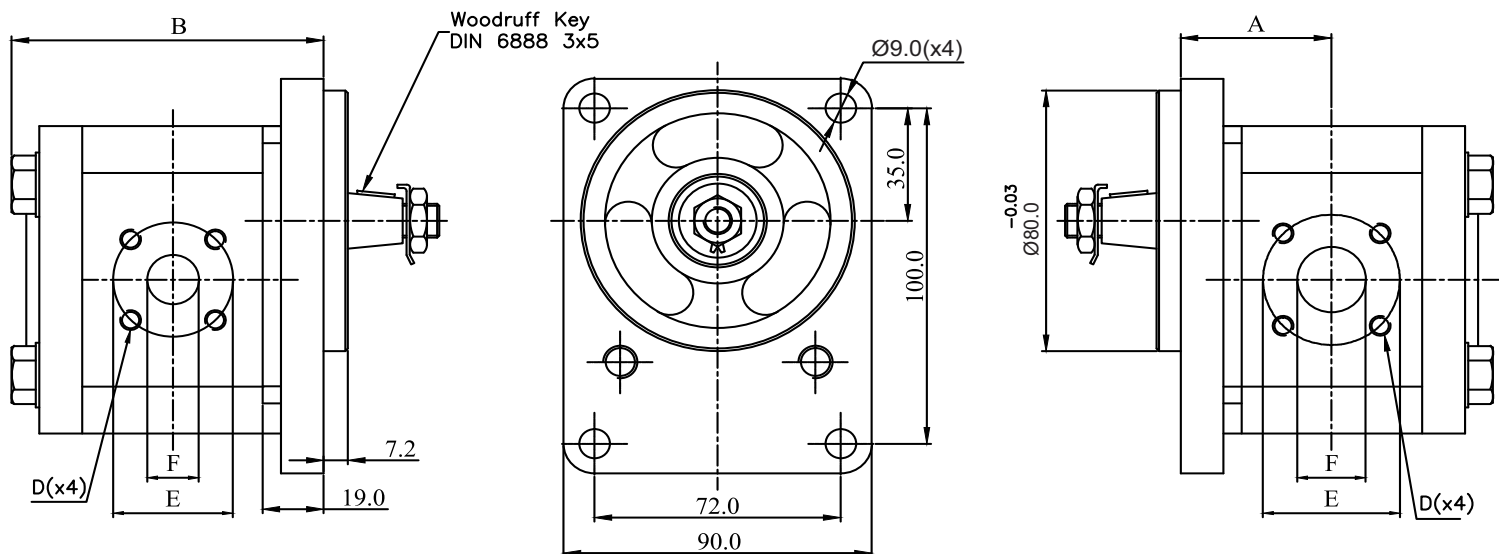


COUNTER CLOCKWISE
ROTATION

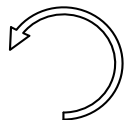


Pump Type	Displacement cc /rev	Pressure P1 bar	Max Speed rpm	Dimension							
				A mm	B mm	Suction			Delivery		
						D	E	F	D	E	F
G2D.x4	4.00	250	3500	42.5	89.0	M6-6H	Ø30.0	Ø15.5	M6-6H	Ø30.0	Ø15.5
G2D.x5	5.00	250	3500	42.5	91.0						
G2D.x8	8.00	250	3500	43.3	95.5						
G2D.x11	11.00	250	3000	45.6	100.5						
G2D.x14	14.00	250	2500	49.0	105.5	M8-6H	Ø40.0	Ø20.00	M6-6H	Ø30.0	Ø15.5
G2D.x16	16.00	250	2500	49.0	108.7						
G2D.x19	19.00	230	2500	54.0	113.7						
G2D.x22	22.00	210	2500	56.5	119.0						
G2D.x25	25.00	170	2500	59.2	122.0						
G2D.x28	28.00	140	2500	61.3	126.2						
G2D.x30	30.00	130	2000	62.7	129.0						

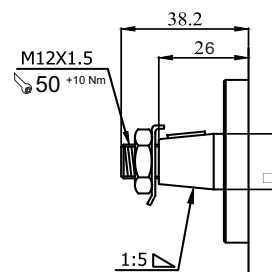
Pump Type - G20.x..



Clockwise
Rotation



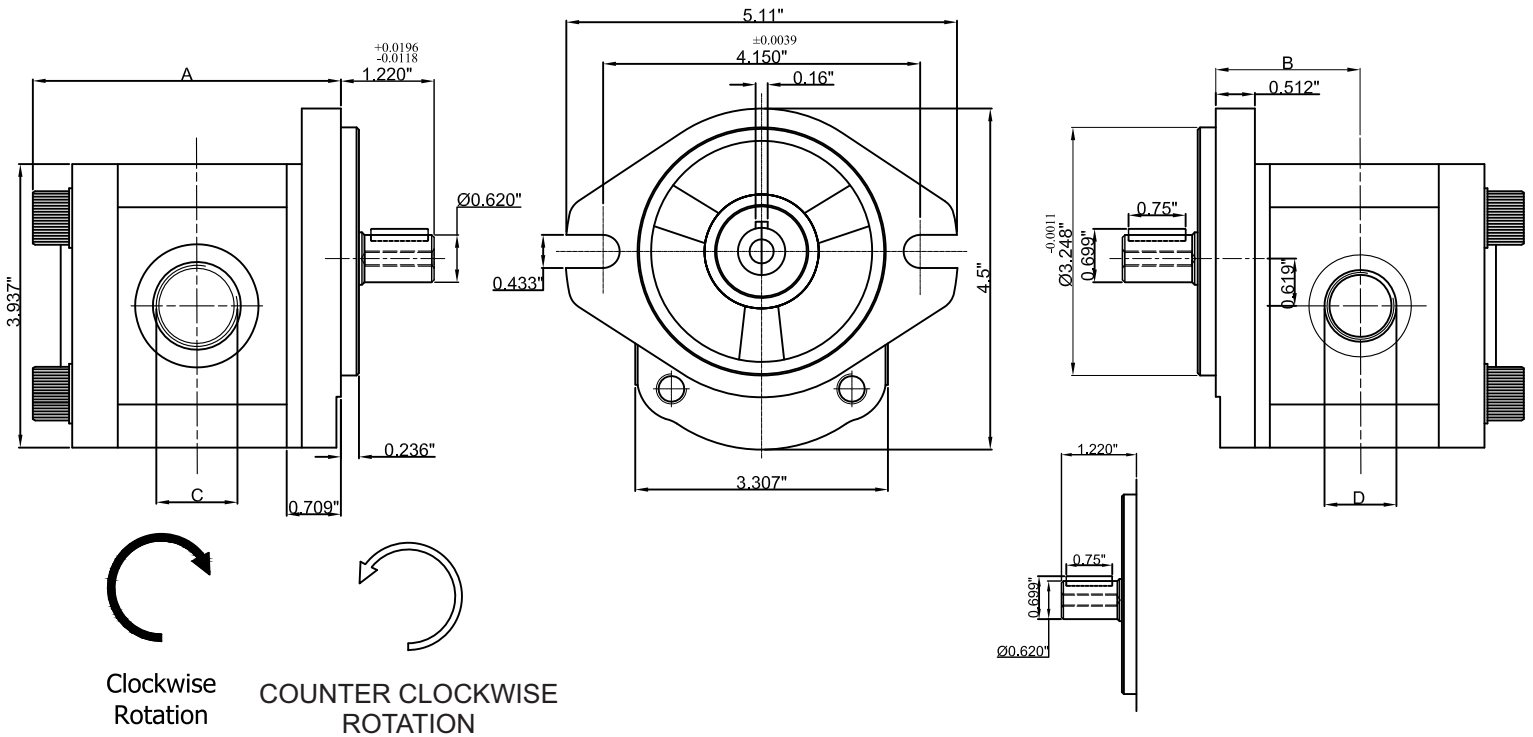
COUNTER CLOCKWISE
ROTATION



Pump Type	Displacement cc /rev	Pressure P1 bar	Max Speed rpm	Dimension							
				A mm	B mm	Suction			Delivery		
						D	E	F	D	E	F
G20.x4	4.00	250	3500	40.10	89.0	M6-6H	Ø40.0	Ø20.00	M6-6H	Ø35.0	Ø15.5
G20.x5	5.00	250	3500	41.10	91.0						
G20.x8	8.00	250	3500	43.00	95.3						
G20.x11	11.00	250	3000	47.60	100.5						
G20.x14	14.00	250	2500	47.60	105.5						
G20.x16	16.00	250	2500	47.60	108.7						
G20.x19	19.00	230	2500	47.60	113.7						
G20.x22	22.00	210	2500	55.10	119.0						
G20.x25	25.00	170	2500	61.25	124.0						
G20.x28	28.00	140	2500	63.35	128.2						
G20.x30	30.00	130	2000	64.75	131.0						

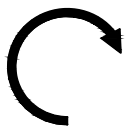
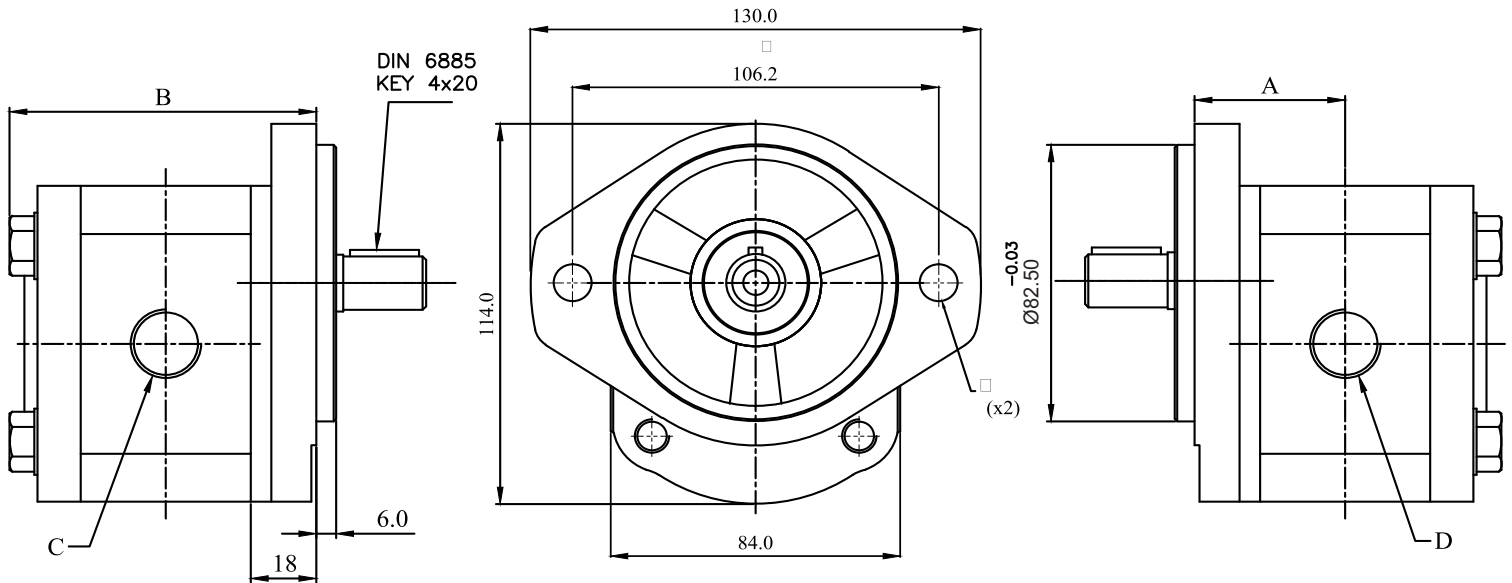
Pump Type - G2S1.x..

American Standard

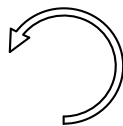


Pump Type	Displacement in ³ /Rev.	Pressure P1 Bar	Max. Speed rpm	Dimension			
				A	B	Suction	Delivery
				inch	inch	C	D
G2S1.x4	0.24	250	3600	1.69	3.68	SAE12 1-1/16"-UN2B	SAE 10 7/8"-14 UNF2B
G2S1.x6	0.36	250	3600	1.77	3.74		
G2S1.x8	0.48	250	3600	1.85	3.86		
G2S1.x10	0.61	250	3600	1.89	4.03		
G2S1.x12	0.73	250	3600	1.97	4.17		
G2S1.x14	0.85	250	3600	2.00	4.27		
G2S1.16	0.97	200	3600	2.07	4.39		
G2S1.x20	1.22	200	3600	2.20	5.16		
G2S1.x22	000	200	3600	2.28	5.27		
G2S1.x25	1.52	200	3600	2.36	5.49		
G2S1.x30	1.83	160	3600	2.52	5.82	SAE 16 1-5/16" UN2B	SAE 12 1-1/16"-UN2B
G2S1.x32	1.95	160	3600	2.87	5.93		

Pump Type - G2S.x..



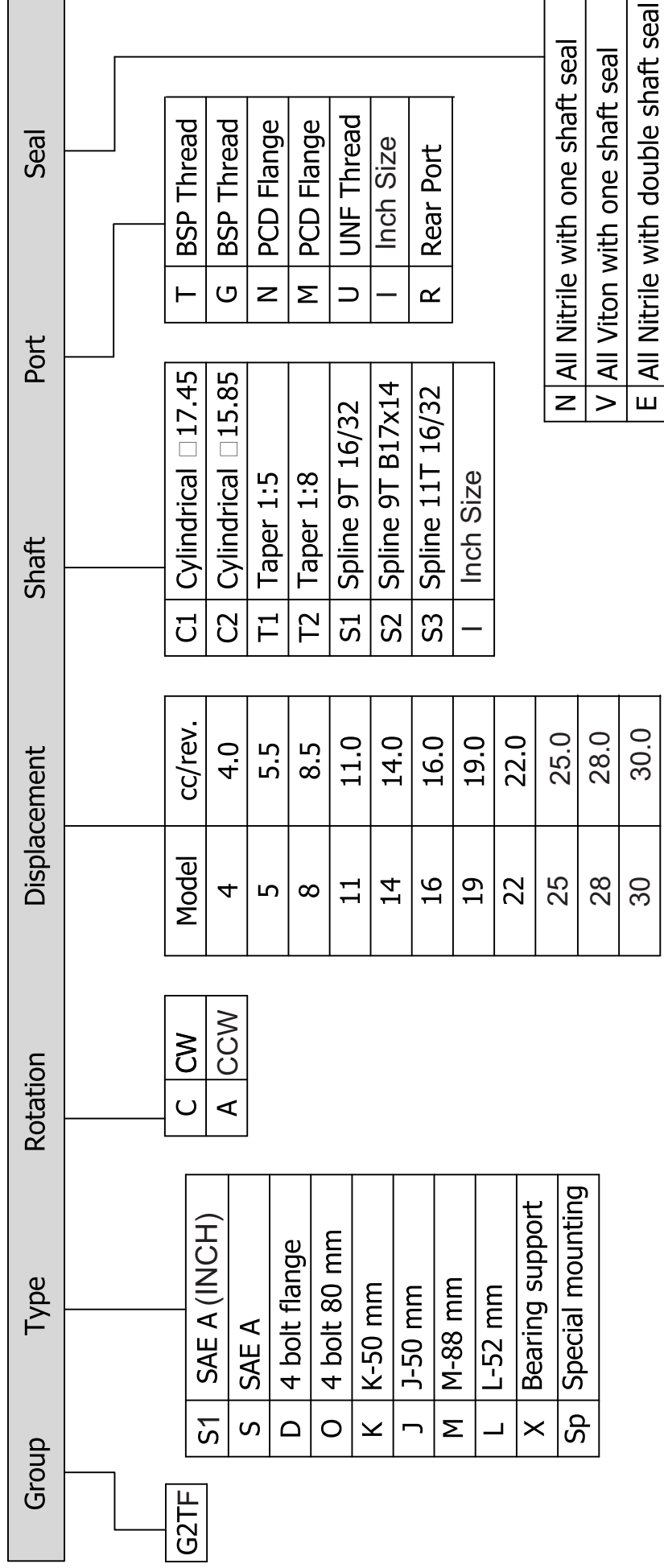
Clockwise
Rotation



COUNTER CLOCKWISE
ROTATION

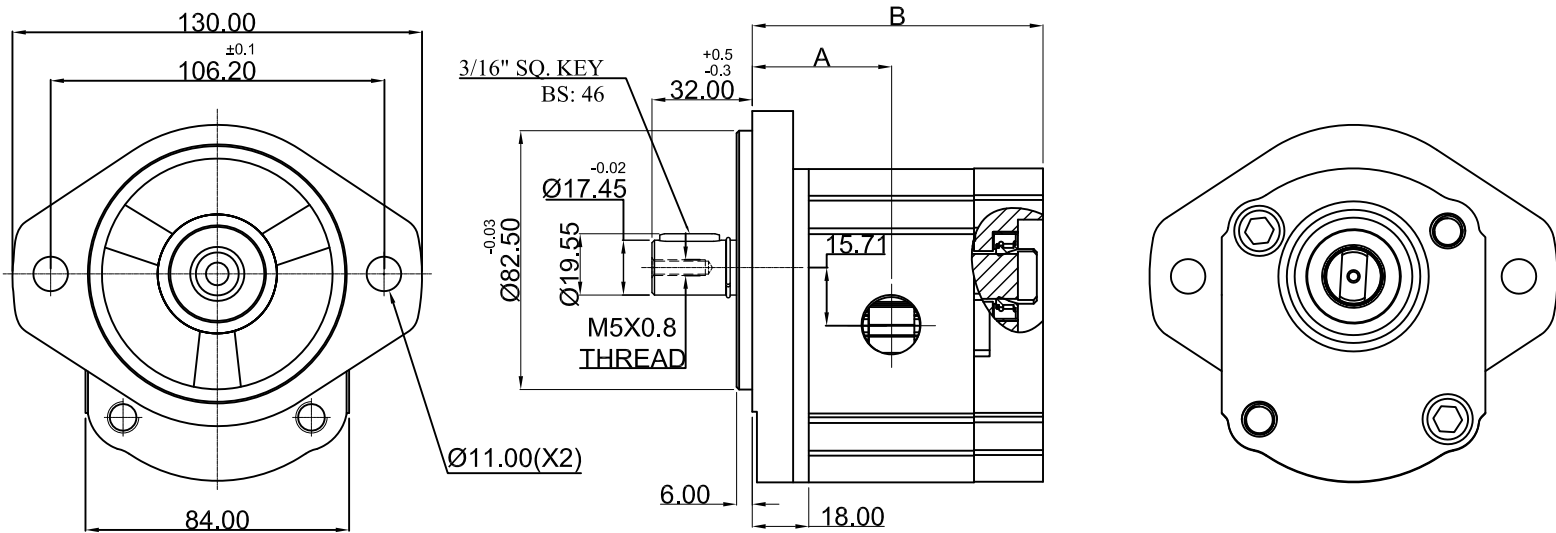
Pump Type	Displacement cc /rev	Pressure P1 bar	Max Speed rpm	Dimension			
				A	B	Suction	Delivery
				mm	mm	C	D
G2S.x4	4.00	250	3500	40.60	88.2	G1/2"	G1/2"
G2S.x5	5.00	250	3500	41.60	90.2		
G2S.x8	8.00	250	3500	43.70	94.5		
G2S.x11	11.00	250	3000	46.20	99.5		
G2S.x14	14.00	250	2500	48.70	104.5		
G2S.x16	16.00	250	2500	50.40	107.8	G3/4"	G1/2"
G2S.x19	19.00	230	2500	52.90	112.8		
G2S.x22	22.00	210	2500	55.50	118.0		
G2S.x25	25.00	170	2500	60.25	123.0		
G2S.x28	28.00	140	2500	62.35	127.2		
G2S.x30	30.00	130	2000	63.75	130.0		

HOW TO ORDER(GROUP G2 FRONT PUMP)

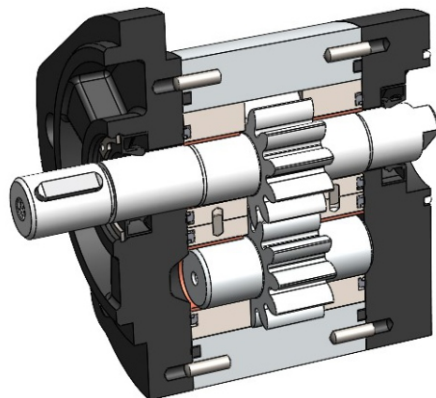


Example : G2TFSC4C2TN = G2 Group Front Pump, Mounting/Flange, Direction of rotation, Displacement, Shaft, Port, Seal

Pump Types-G2TSX..x G2TSX...



Pump Type	Displacement cc ³ /rev	Pressure P1 bar	Max Speed rpm	Dimension	
				A mm	B mm
G2TFS.x4	4.00	250	3500	40.60	79.15
G2TFS.x5	5.00	250	3500	41.60	81.65
G2TFS.x8	8.00	250	3500	43.70	85.35
G2TFS.x11	11.00	250	3000	46.20	90.35
G2TFS.x14	14.00	250	2500	48.70	95.35
G2TFS.x16	16.00	250	2500	50.40	98.75
G2TFS.x19	19.00	230	2500	52.90	103.75
G2TFS.x22	22.00	210	2500	55.50	108.65
G2TFS.x25	25.00	170	2500	60.25	113.35
G2TFS.x28	28.00	140	2500	62.35	118.15
G2TFS.x30	30.00	130	2000	63.75	121.15



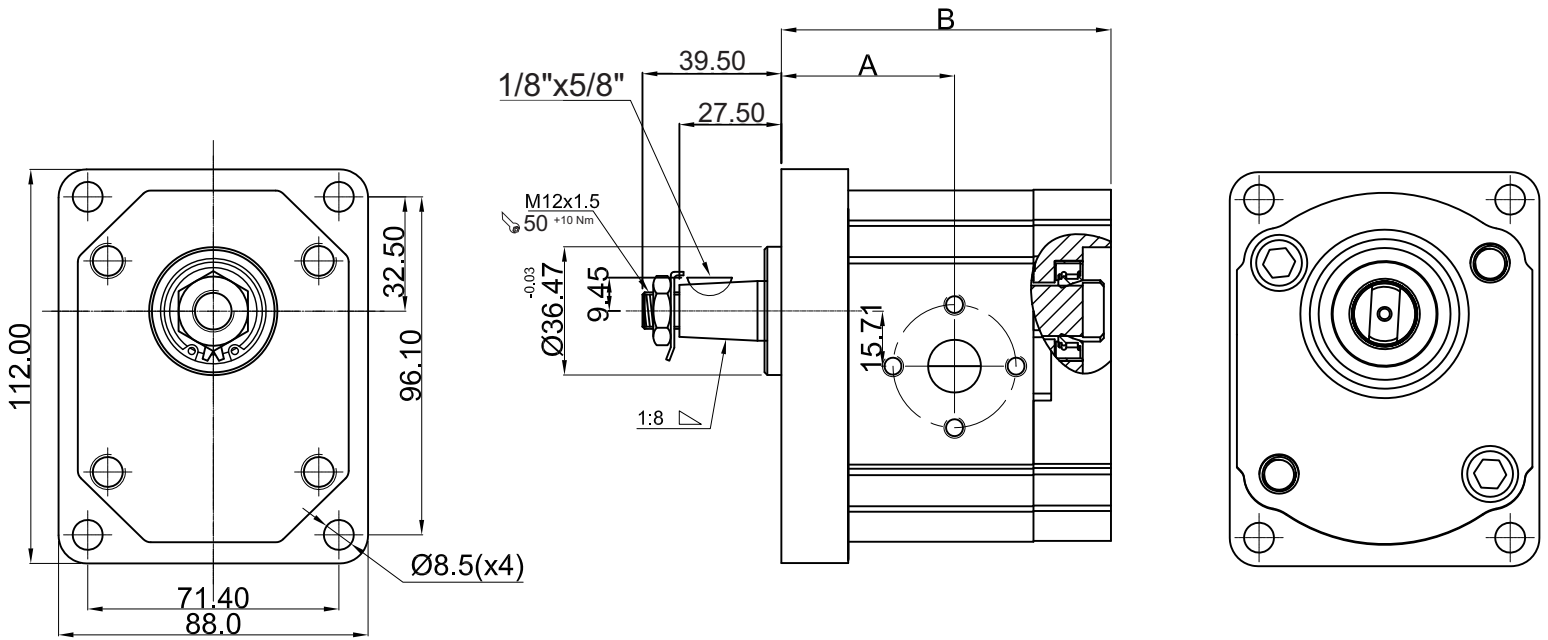
WE ARE MANUFACTURING THE BHP SERIES TANDEM PUMP WITH "OLDHAM COUPLING" CONNECTION.

Benefits of this Oldham Coupling:

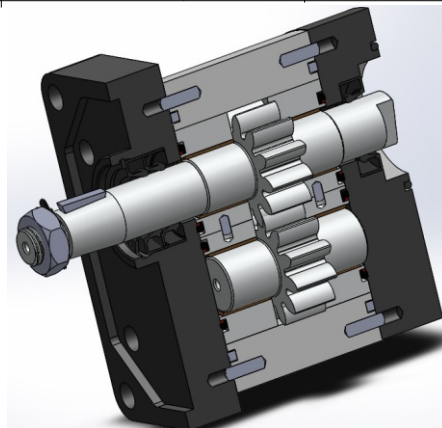
1. Rear Pump Interchangeability with Combination(CC) of Tandem Pumps.
2. Both Pumps can be used at Peak Pressure.
3. The Protrusion parts of the Tang Shaft Seats in Properly with Coupling.
4. Since it is OLDHAM COUPLING ever if the motor bell housing pump(1st) and 2nd pump are misaligned the functioning won't be affected.
5. The life of pumps are more as the Oldham coupling takes care of the pump in its alignment. The Guide bush life is fantastic, Volumetric efficiency is maintained for the direct coupling pumps.

Advantage:

1. Both the Pumps are Connected through Oldham coupling. By removing four bolts the rear pump can be replaced(if failure or replacement occurs at any stages). Since it is separate construction it is cost effective in the future as total pump need not have to replace



Pump Type	Displacement cc ³ /rev	Pressure P1 bar	Max Speed rpm	Dimension	
				A mm	B mm
G2TFD.x4	4.00	250	3500	42.50	80.15
G2TFD.x5	5.00	250	3500	42.50	82.65
G2TFD.x8	8.00	250	3500	43.35	86.35
G2TFD.x11	11.00	250	3000	45.60	91.35
G2TFD.x14	14.00	250	2500	49.00	96.35
G2TFD.x16	16.00	250	2500	49.00	99.75
G2TFD.x19	19.00	230	2500	54.00	104.75
G2TFD.x22	22.00	210	2500	56.50	109.65
G2TFD.x25	25.00	170	2500	60.25	114.35
G2TFD.x28	28.00	140	2500	62.35	119.15
G2TFD.x30	30.00	130	2000	63.75	122.15



WE ARE MANUFACTURING THE BHP SERIES TANDEM PUMP WITH "OLDHAM COUPLING" CONNECTION.

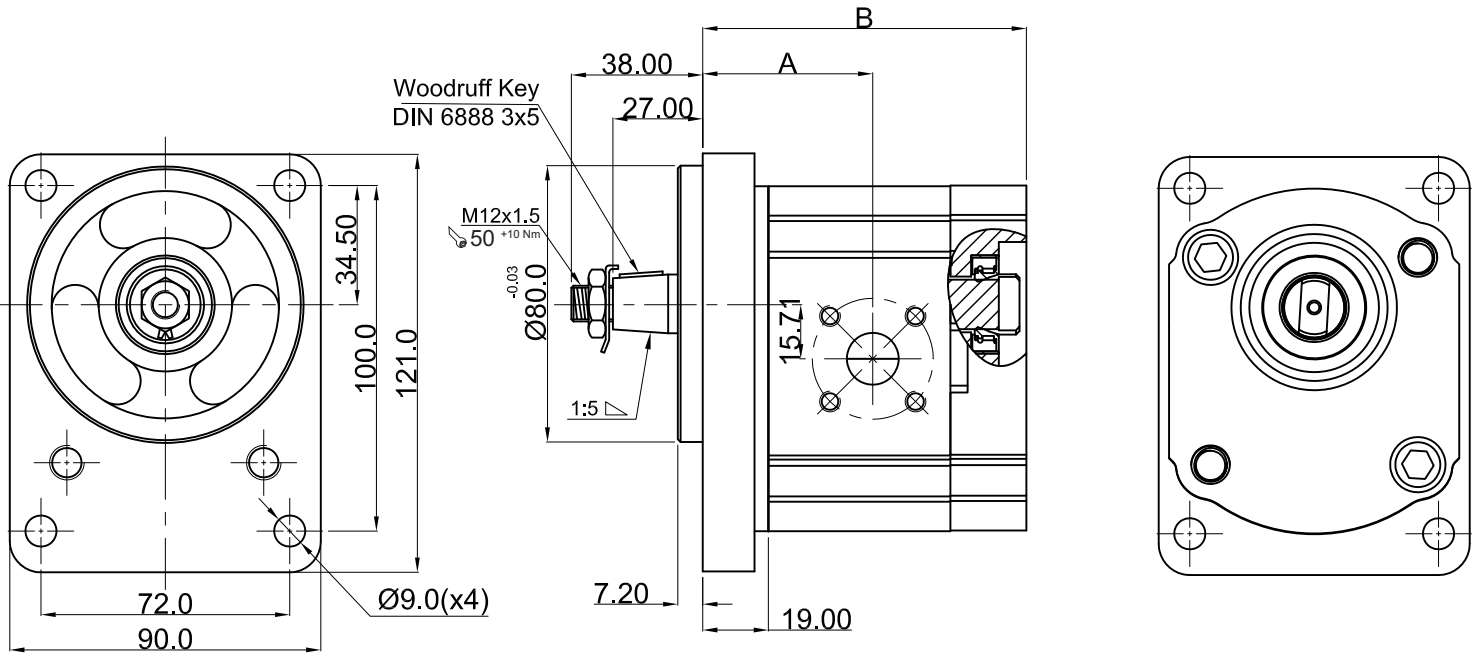
Benefits of this Oldham Coupling:

1. Rear Pump Interchangeability with Combination(CC) of Tandem Pumps.
2. Both Pumps can be used at Peak Pressure.
3. The Protrusion parts of the Tang Shaft Seats in Properly with Coupling.
4. Since it is OLDHAM COUPLING ever if the motor bell housing pump(1st) and 2nd pump are misaligned the functioning won't be affected.
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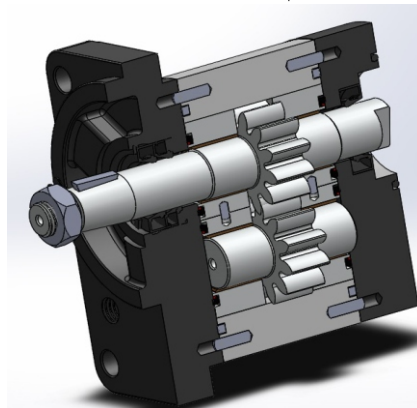
Advantage:

1. Both the Pumps are Connected through Oldham coupling. By removing four bolts the rear pump can be replaced(if failure or replacement occurs at any stages). Since it is separate construction it is cost effective in the future as total pump need not have to replace

Pump Types-G2TFOX..x G2TROX...



Pump Type	Displacement cc ³ /rev	Pressure P1 bar	Max Speed rpm	Dimension	
				A mm	B mm
G2TFO.x4	4.00	250	3500	40.10	86.15
G2TFO.x5	5.00	250	3500	41.10	88.65
G2TFO.x8	8.00	250	3500	43.00	92.35
G2TFO.x11	11.00	250	3000	47.60	97.35
G2TFO.x14	14.00	250	2500	47.60	102.35
G2TFO.x16	16.00	250	2500	47.60	105.75
G2TFO.x19	19.00	230	2500	47.60	110.75
G2TFO.x22	22.00	210	2500	55.10	115.65
G2TFO.x25	25.00	170	2500	60.25	120.35
G2TFO.x28	28.00	140	2500	62.35	125.15
G2TFO.x30	30.00	130	2000	63.75	128.15



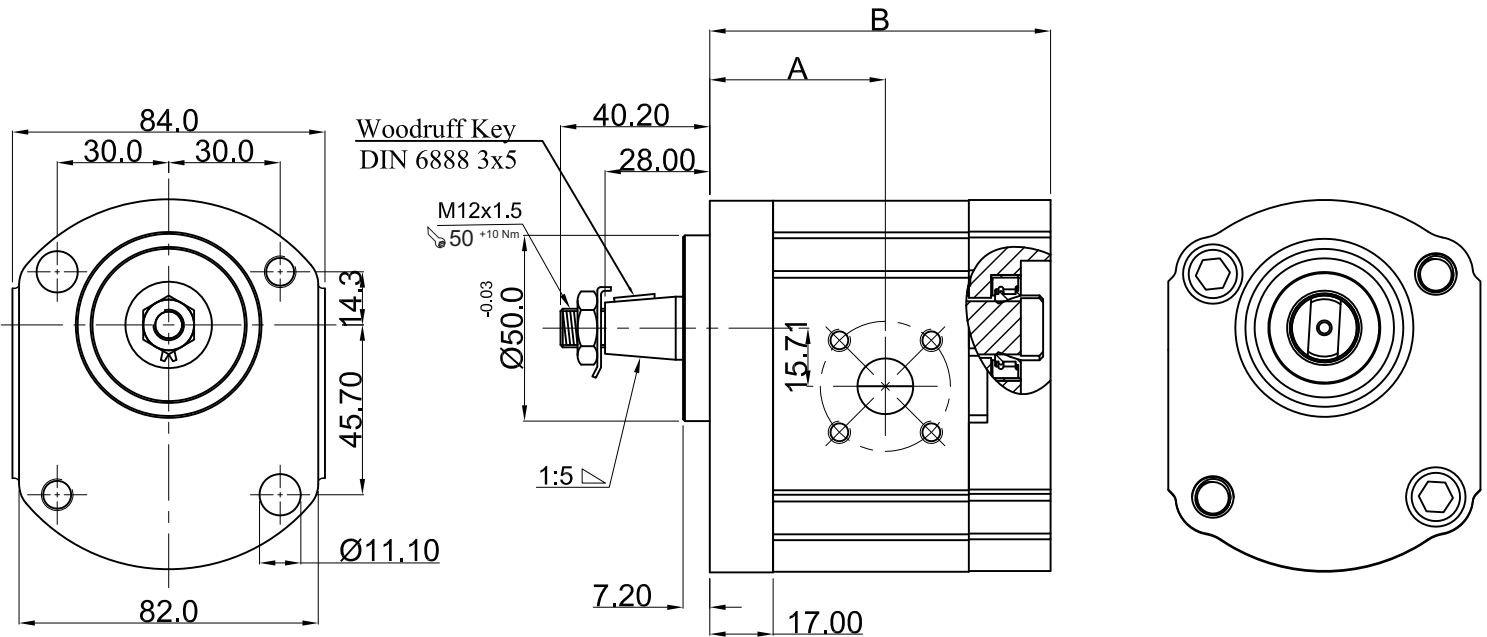
WE ARE MANUFACTURING THE BHP SERIES TANDEM PUMP WITH "OLDHAM COUPLING" CONNECTION.

Benefits of this Oldham Coupling:

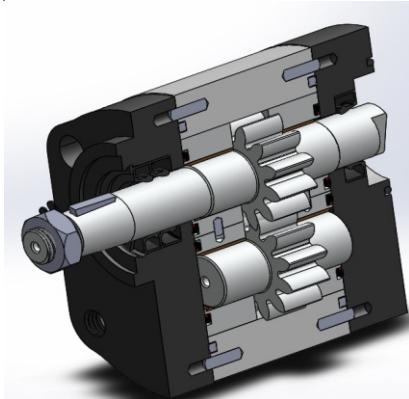
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Advantage:

1. Both the Pumps are Connected through Oldham coupling. By removing four bolts the rear pump can be replaced(if failure or replacement occurs at any stages). Since it is separate construction it is cost effective in the future as total pump need not have to replace



Pump Type	Displacement cc ³ /rev	Pressure P1 bar	Max Speed rpm	Dimension	
				A mm	B mm
G2TFK.x4	4.00	250	3500	37.40	84.15
G2TFK.x5	5.00	250	3500	37.60	86.65
G2TFK.x8	8.00	250	3500	40.60	90.35
G2TFK.x11	11.00	250	3000	45.00	95.35
G2TFK.x14	14.00	250	2500	45.00	100.35
G2TFK.x16	16.00	250	2500	45.00	103.75
G2TFK.x19	19.00	230	2500	45.00	108.75
G2TFK.x22	22.00	210	2500	52.50	113.65
G2TFK.x25	25.00	170	2500	60.25	118.35
G2TFK.x28	28.00	140	2500	62.35	123.15
G2TFK.x30	30.00	130	2000	63.75	126.15



WE ARE MANUFACTURING THE BHP SERIES TANDEM PUMP WITH "OLDHAM COUPLING" CONNECTION.

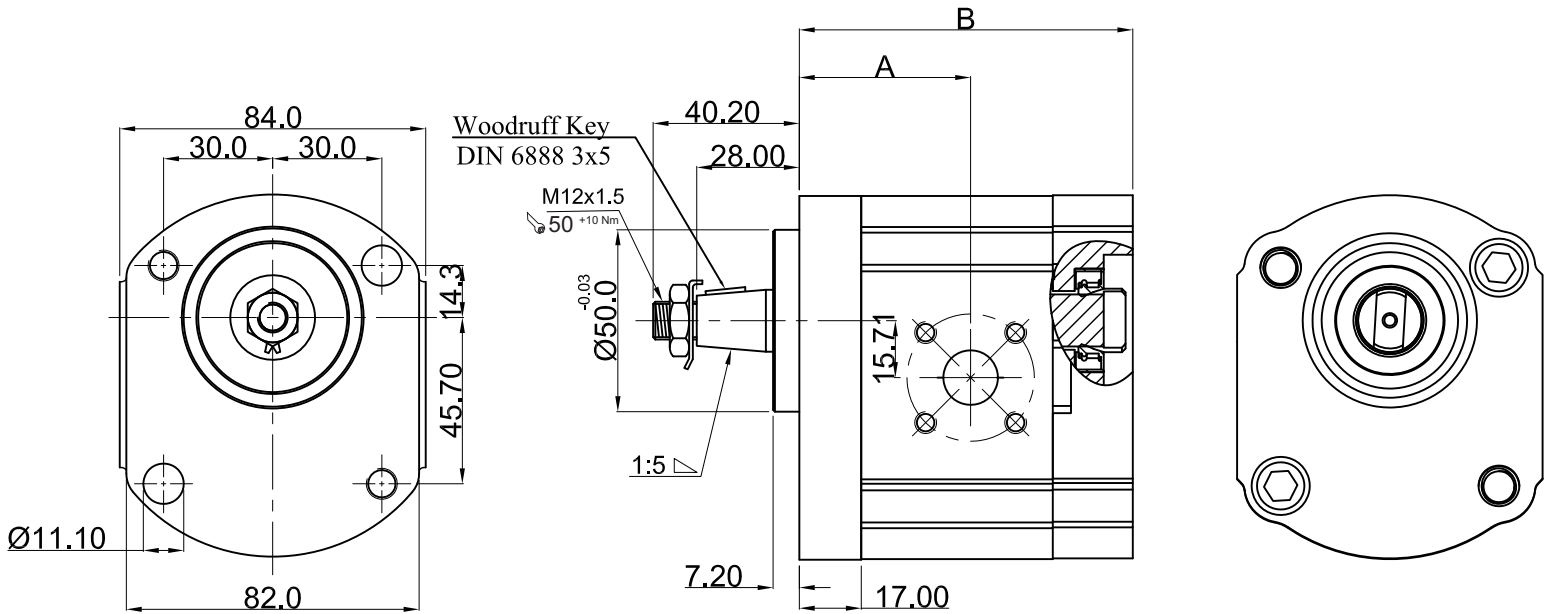
Benefits of this Oldham Coupling:

1. Rear Pump Interchangeability with Combination(CC) of Tandem Pumps.
2. Both Pumps can be used at Peak Pressure.
3. The Protrusion parts of the Tang Shaft Seats in Properly with Coupling.
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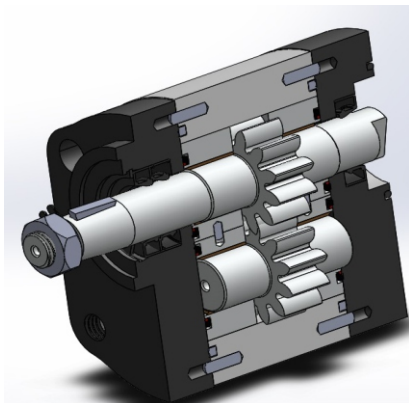
Advantage:

1. Both the Pumps are Connected through Oldham coupling. By removing four bolts the rear pump can be replaced(if failure or replacement occurs at any stages). Since it is separate construction it is cost effective in the future as total pump need not have to replace

Pump Types-G2TFJX..x G2TRJX...



Pump Type	Displacement cc ³ /rev	Pressure P1 bar	Max Speed rpm	Dimension	
				A mm	B mm
G2TFJ.x4	4.00	250	3500	37.40	84.15
G2TFJ.x5	5.00	250	3500	37.60	86.65
G2TFJ.x8	8.00	250	3500	40.60	90.35
G2TFJ.x11	11.00	250	3000	45.00	95.35
G2TFJ.x14	14.00	250	2500	45.00	100.35
G2TFJ.x16	16.00	250	2500	45.00	103.75
G2TFJ.x19	19.00	230	2500	45.00	108.75
G2TFJ.x22	22.00	210	2500	52.50	113.65
G2TFJ.x25	25.00	170	2500	60.25	118.35
G2TFJ.x28	28.00	140	2500	62.35	123.15
G2TFJ.x30	30.00	130	2000	63.75	126.15



WE ARE MANUFACTURING THE BHP SERIES TANDEM PUMP WITH "OLDHAM COUPLING" CONNECTION.

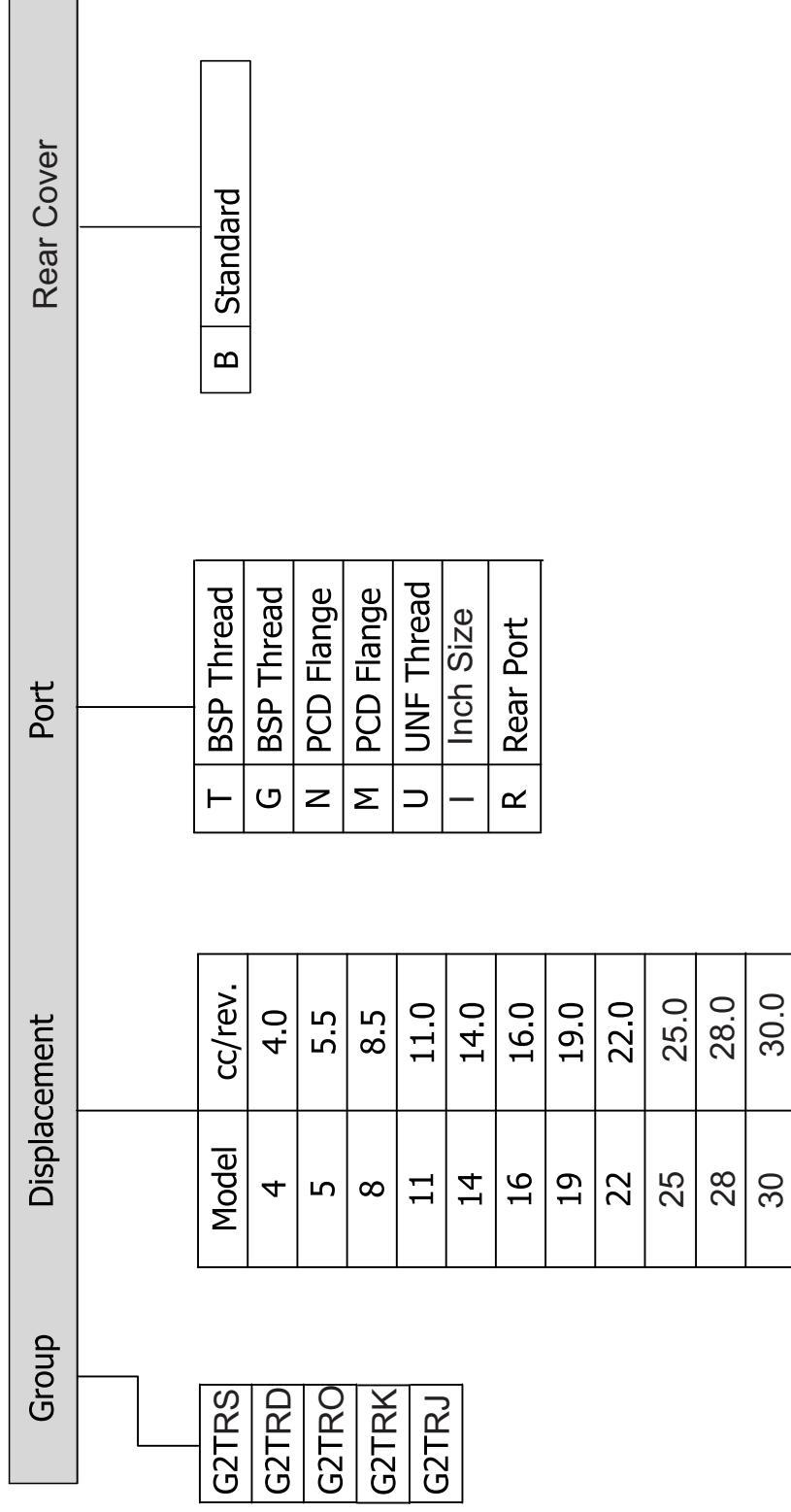
Benefits of this Oldham Coupling:

1. Rear Pump Interchangeability with Combination(CC) of Tandem Pumps.
2. Both Pumps can be used at Peak Pressure.
3. The Protrusion parts of the Tang Shaft Seats in Properly with Coupling.
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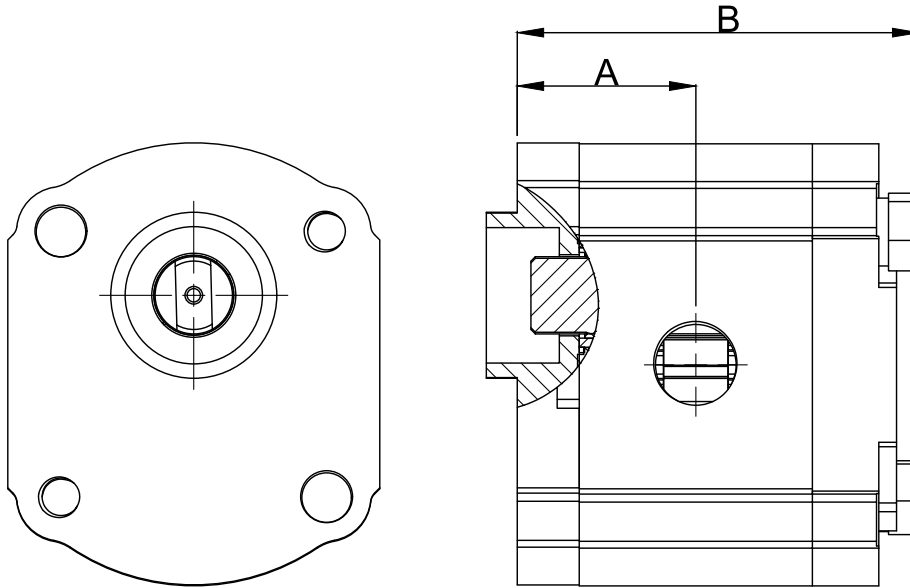
Advantage:

1. Both the Pumps are Connected through Oldham coupling. By removing four bolts the rear pump can be replaced(if failure or replacement occurs at any stages). Since it is separate construction it is cost effective in the future as total pump need not have to replace

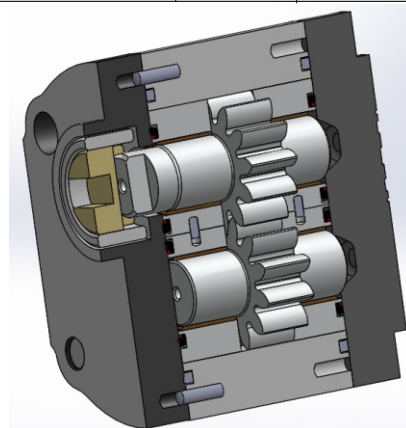
HOW TO ORDER(GROUP G2 REAR PUMP)



Example: G2TRS11TB = G2TRS(G2 Rear Pump), Displacement, Port, Rear Cover



Pump Type	Displacement cc /rev	Pressure P1 bar	Max Speed rpm	Dimension	
				A mm	B mm
G2TRS.x4	4.00	250	3500	36.60	84.2
G2TRS.x5	5.00	250	3500	37.60	86.2
G2TRS.x8	8.00	250	3500	39.70	90.5
G2TRS.x11	11.00	250	3000	42.20	95.5
G2TRS.x14	14.00	250	2500	44.70	100.5
G2TRS.x16	16.00	250	2500	46.40	103.8
G2TRS.x19	19.00	230	2500	46.90	108.8
G2TRS.x22	22.00	210	2500	51.50	114.0
G2TRS.x25	25.00	170	2500	56.25	119.0
G2TRS.x28	28.00	140	2500	58.35	123.2
G2TRS.x30	30.00	130	2000	59.75	126.0



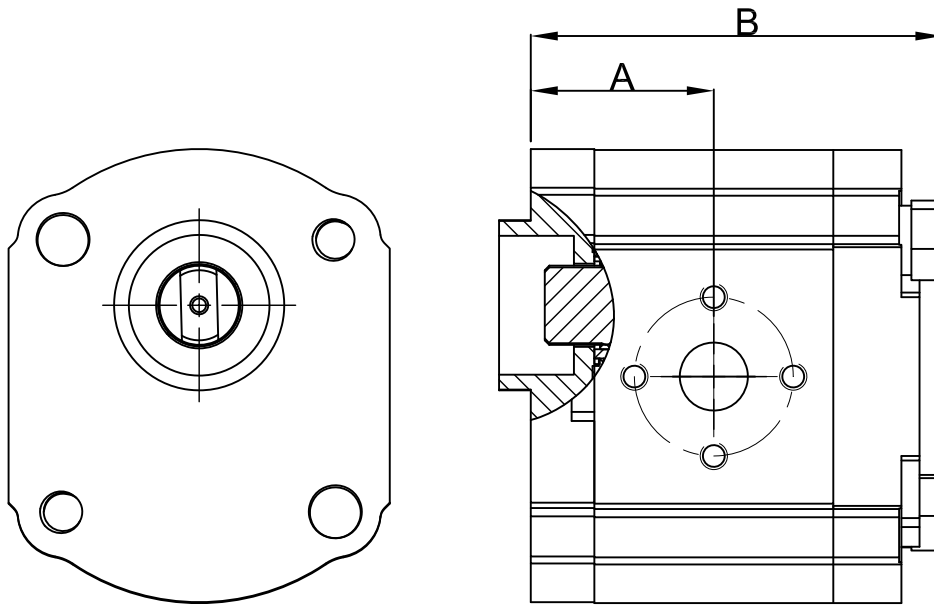
WE ARE MANUFACTURING TANDEM PUMP WITH "OLDHAM COUPLING" CONNECTION.

Benefits of this Oldham Coupling:

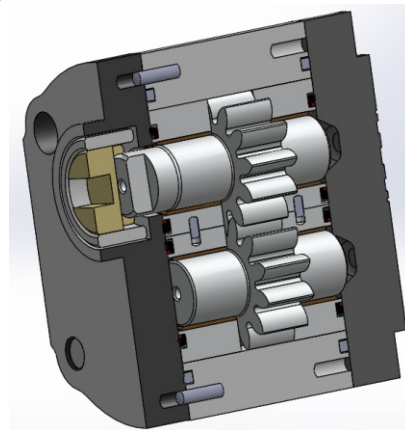
- 1.Rear Pump Interchangeability with Combination(CC) of Tandem Pumps.
- 2.Both Pumps can be used at Peak Pressure.
- 3.The Protrusion parts of the Tang Shaft Seats in Properly with Coupling.
- 4.Since it is OLDHAM COUPLING ever if the motor bell housing pump(1st) and 2nd pump are misaligned the functioning won't be affected.
- 5.The life of pumps are more as the Oldham coupling takes care of the pump in its alignment. The Guide bush life is fantastic, Volumetric efficiency is maintained for the direct coupling pumps.

Advantage:

- 1.Both the Pumps are Connected through Oldham coupling. By removing four bolts the rear pump can be replaced(if failure or replacement occurs at any stages). Since it is separate construction it is cost effective in the future as total pump need not have to replace



Pump Type	Displacement cc /rev	Pressure P1 bar	Max Speed rpm	Dimension	
				A mm	B mm
G2TRD.x4	4.00	250	3500	37.50	84.2
G2TRD.x5	5.00	250	3500	37.50	86.2
G2TRD.x8	8.00	250	3500	38.35	90.5
G2TRD.x11	11.00	250	3000	40.60	95.5
G2TRD.x14	14.00	250	2500	44.00	100.5
G2TRD.x16	16.00	250	2500	44.00	103.8
G2TRD.x19	19.00	230	2500	49.00	108.8
G2TRD.x22	22.00	210	2500	51.50	114.0
G2TRD.x25	25.00	170	2500	55.25	119.0
G2TRD.x28	28.00	140	2500	57.35	123.2
G2TRD.x30	30.00	130	2000	58.75	126.0



WE ARE MANUFACTURING TANDEM PUMP WITH "OLDHAM COUPLING" CONNECTION.

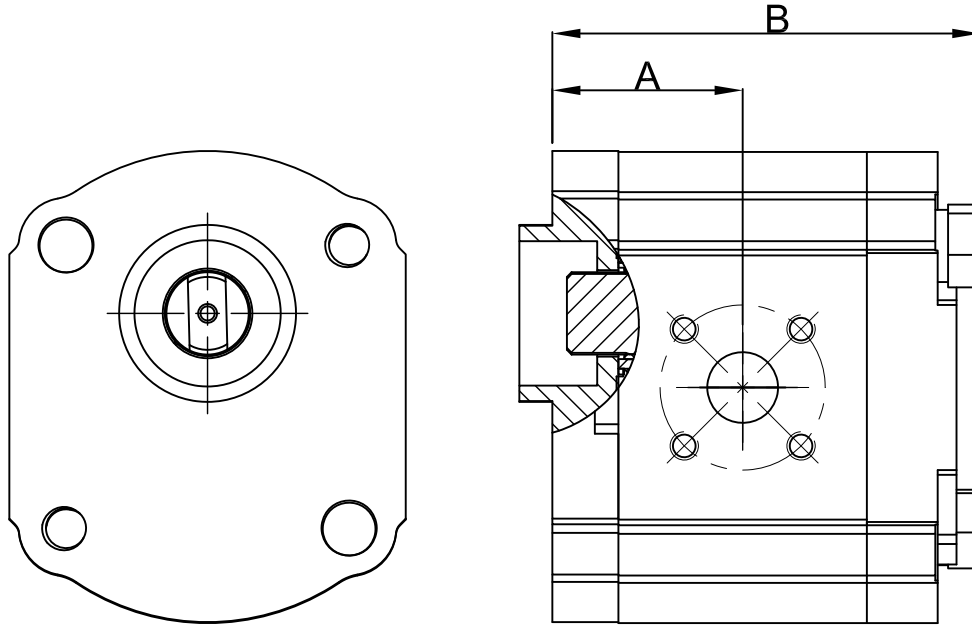
Benefits of this Oldham Coupling:

1. Rear Pump Interchangeability with Combination(CC) of Tandem Pumps.
2. Both Pumps can be used at Peak Pressure.
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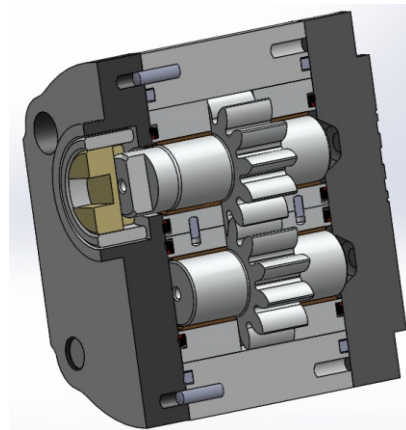
Advantage:

1. Both the Pumps are Connected through Oldham coupling. By removing four bolts the rear pump can be replaced(if failure or replacement occurs at any stages). Since it is separate construction it is cost effective in the future as total pump need not have to replace

Pump Types-G2TFOX..x G2TROX...



Pump Type	Displacement cc /rev	Pressure P1 bar	Max Speed rpm	Dimension	
				A	B
				mm	mm
G2TRO.x4	4.00	250	3500	37.10	86.5
G2TRO.x5	5.00	250	3500	38.10	88.6
G2TRO.x8	8.00	250	3500	40.00	92.4
G2TRO.x11	11.00	250	3000	44.60	97.4
G2TRO.x14	14.00	250	2500	44.60	102.4
G2TRO.x16	16.00	250	2500	44.60	105.8
G2TRO.x19	19.00	230	2500	44.60	110.8
G2TRO.x22	22.00	210	2500	52.10	115.7
G2TRO.x25	25.00	170	2500	57.25	120.4
G2TRO.x28	28.00	140	2500	59.35	125.2
G2TRO.x30	30.00	130	2000	60.75	128.2



WE ARE MANUFACTURING TANDEM PUMP WITH "OLDHAM COUPLING" CONNECTION.

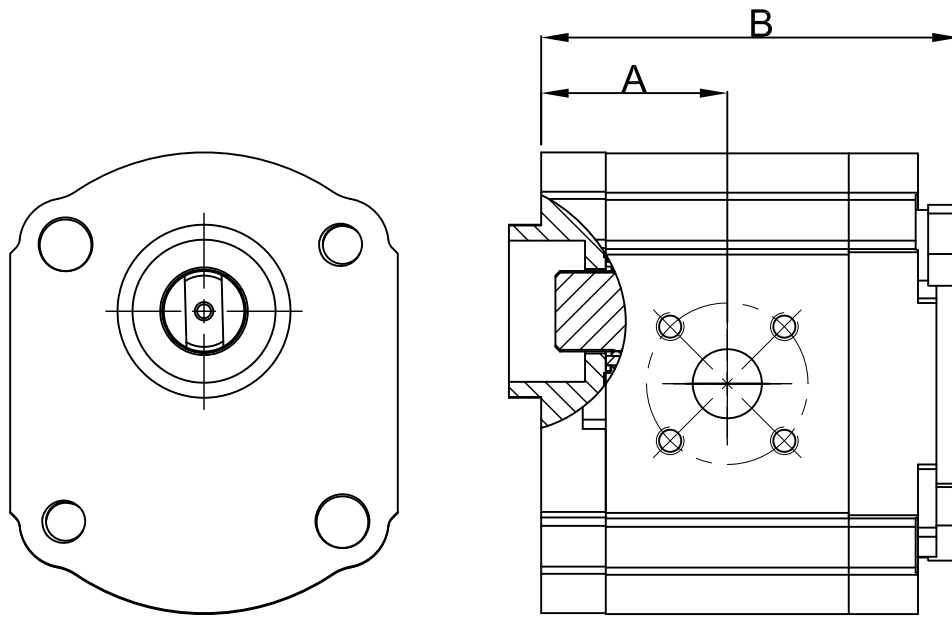
Benefits of this Oldham Coupling:

- 1.Rear Pump Interchangeability with Combination(CC) of Tandem Pumps.
- 2.Both Pumps can be used at Peak Pressure.
- 3.The Protrusion parts of the Tang Shaft Seats in Properly with Coupling.
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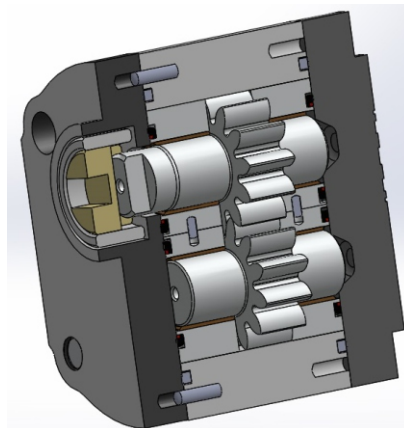
Advantage:

- 1.Both the Pumps are Connected through Oldham coupling. By removing four bolts the rear pump can be replaced(if failure or replacement occurs at any stages). Since it is separate construction it is cost effective in the future as total pump need not have to replace

Pump Types-G2TFKX..x G2TRKX...



Pump Type	Displacement cc /rev	Pressure P1 bar	Max Speed rpm	Dimension	
				A	B
				mm	mm
G2TRK.x4	4.00	250	3500	36.40	86.5
G2TRK.x5	5.00	250	3500	37.60	88.6
G2TRK.x8	8.00	250	3500	39.60	92.4
G2TRK.x11	11.00	250	3000	44.00	97.4
G2TRK.x14	14.00	250	2500	44.00	102.4
G2TRK.x16	16.00	250	2500	44.00	105.8
G2TRK.x19	19.00	230	2500	44.00	110.8
G2TRK.x22	22.00	210	2500	51.50	115.7
G2TRK.x25	25.00	170	2500	59.25	120.4
G2TRK.x28	28.00	140	2500	61.35	125.2
G2TRK.x30	30.00	130	2000	62.75	128.2



WE ARE MANUFACTURING TANDEM PUMP WITH "OLDHAM COUPLING" CONNECTION.

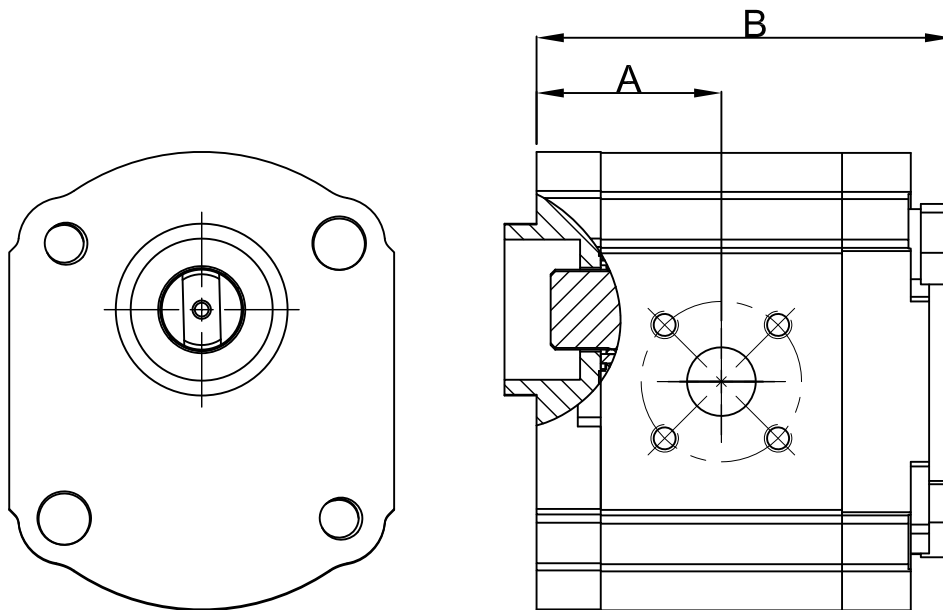
Benefits of this Oldham Coupling:

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- 2.Both Pumps can be used at Peak Pressure.
- 3.The Protrusion parts of the Tang Shaft Seats in Properly with Coupling.
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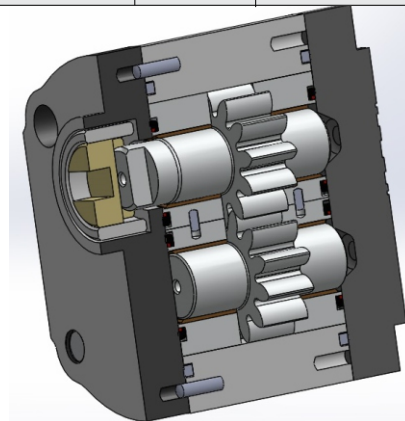
Advantage:

- 1.Both the Pumps are Connected through Oldham coupling. By removing four bolts the rear pump can be replaced(if failure or replacement occurs at any stages). Since it is separate construction it is cost effective in the future as total pump need not have to replace

Pump Types-G2TFJX..x G2TRJX...



Pump Type	Displacement cc /rev	Pressure P1 bar	Max Speed rpm	Dimension	
				A	B
				mm	mm
G2TRJ.x4	4.00	250	3500	36.40	86.5
G2TRJ.x5	5.00	250	3500	37.60	88.6
G2TRJ.x8	8.00	250	3500	39.60	92.4
G2TRJ.x11	11.00	250	3000	44.00	97.4
G2TRJ.x14	14.00	250	2500	44.00	102.4
G2TRJ.x16	16.00	250	2500	44.00	105.8
G2TRJ.x19	19.00	230	2500	44.00	110.8
G2TRJ.x22	22.00	210	2500	51.50	115.7
G2TRJ.x25	25.00	170	2500	59.25	120.4
G2TRJ.x28	28.00	140	2500	61.35	125.2
G2TRJ.x30	30.00	130	2000	62.75	128.2



WE ARE MANUFACTURING TANDEM PUMP WITH "OLDHAM COUPLING" CONNECTION.

Benefits of this Oldham Coupling:

- 1.Rear Pump Interchangeability with Combination(CC) of Tandem Pumps.
- 2.Both Pumps can be used at Peak Pressure.
- 3.The Protrusion parts of the Tang Shaft Seats in Properly with Coupling.
- 4.Since it is OLDHAM COUPLING ever if the motor bell housing pump(1st) and 2nd pump are misaligned the functioning won't be affected.
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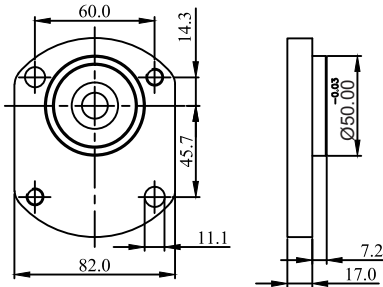
Advantage:

- 1.Both the Pumps are Connected through Oldham coupling. By removing four bolts the rear pump can be replaced(if failure or replacement occurs at any stages). Since it is separate construction it is cost effective in the future as total pump need not have to replace

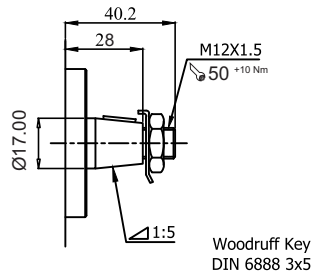
MOUNTING/FLANGE

SHAFTS

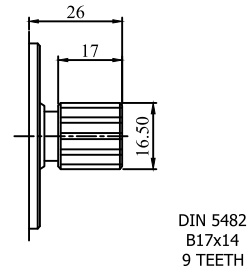
K



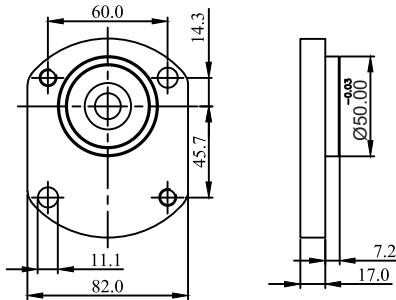
T1



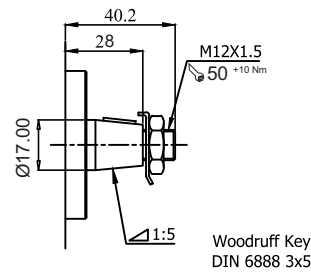
S2



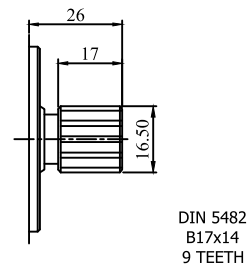
J



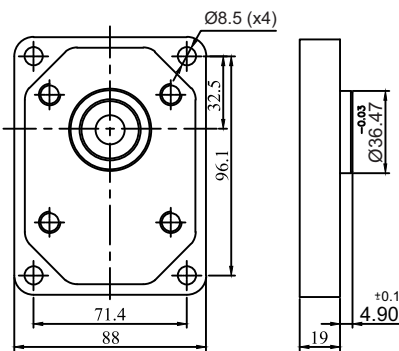
T1



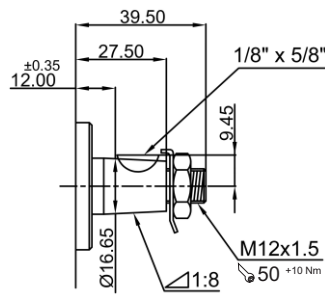
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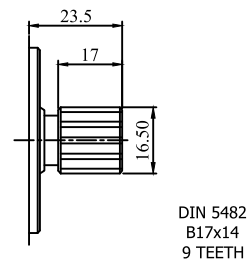
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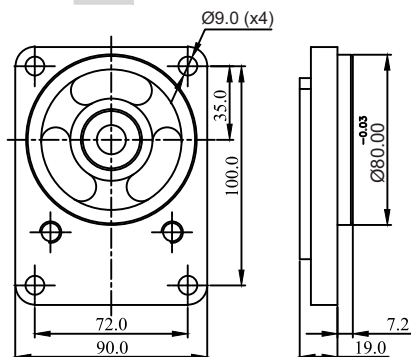
T2



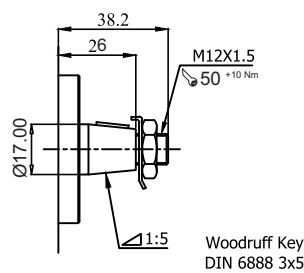
S2



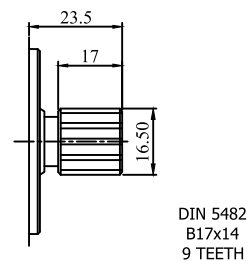
O



T1



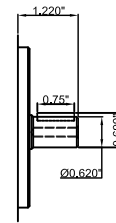
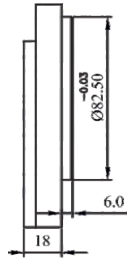
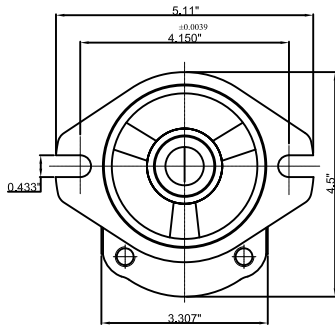
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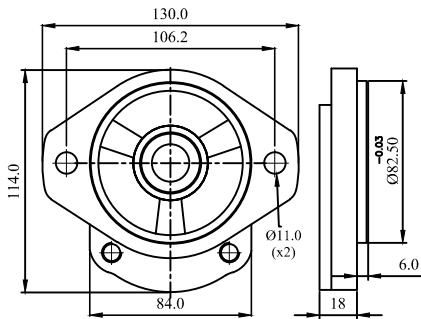
MOUNTING/FLANGE

SHAFTS

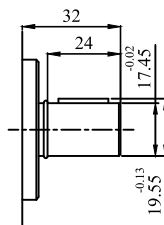
S1



S

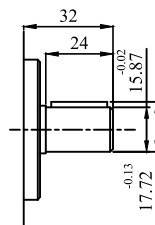


C1



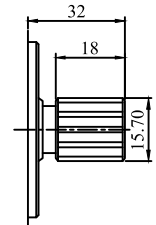
BS:46
3/16" SQ.KEY

C2



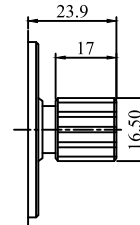
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KEY 4x20

S1



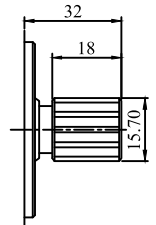
SAE SPLINE
FLAT ROOT SIDE FIT
9 TEETH 16/32 DP.
CLASS 1 FIT

S2



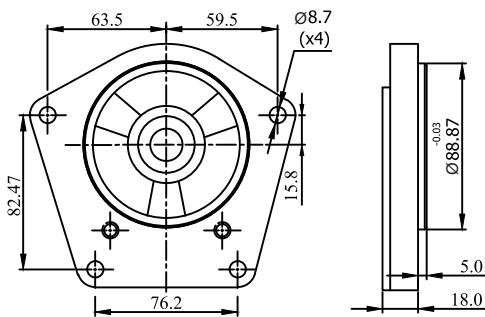
DIN 5482
B17x14
9 TEETH

S3

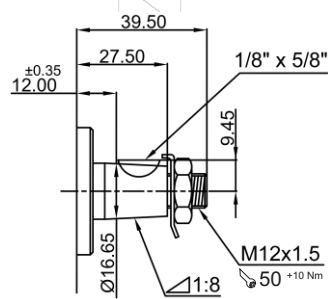


SAE SPLINE
FLAT ROOT SIDE FIT
11 TEETH 16/32 DP.
CLASS 1 FIT

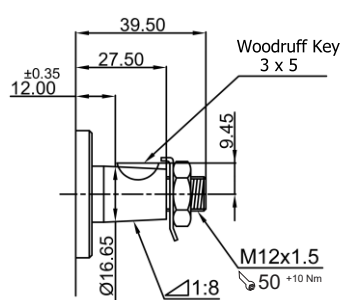
M



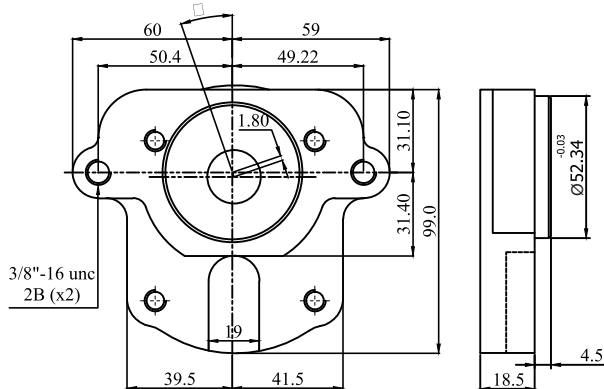
T



T2

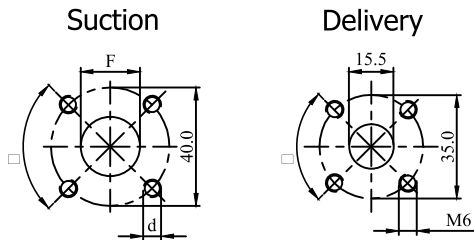


T



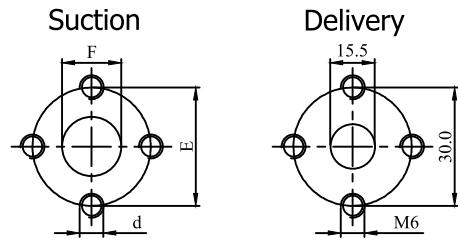
Ports

Type - M



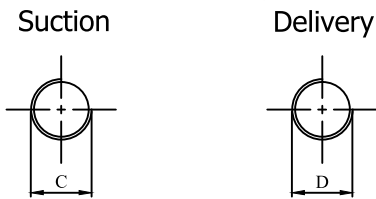
TYPE	F	d
4 to 8	15.5	M6
11 to 30	20.0	M6

Type - N



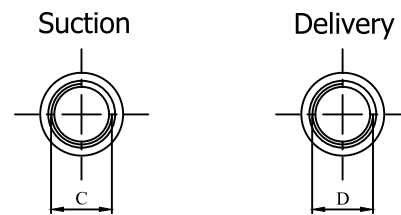
TYPE	E	F	d
4 to 8	30.0	15.5	M6
11 to 30	40.0	20.0	M8

Type - T



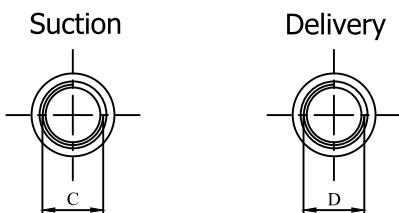
TYPE	C	D
4 to 8	G 1/2"	G 1/2"
11	G 3/4"	G 1/2"
14 to 30	G 3/4"	G 3/4"

Type - U



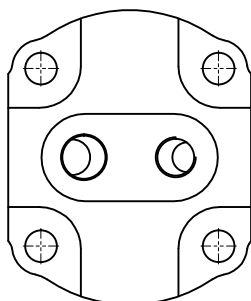
TYPE	C	D
4 to 8	7/8-14 UNF	7/8-14 UNF
11 to 30	1-1/16-12 UNF	7/8-14 UNF

Type - I



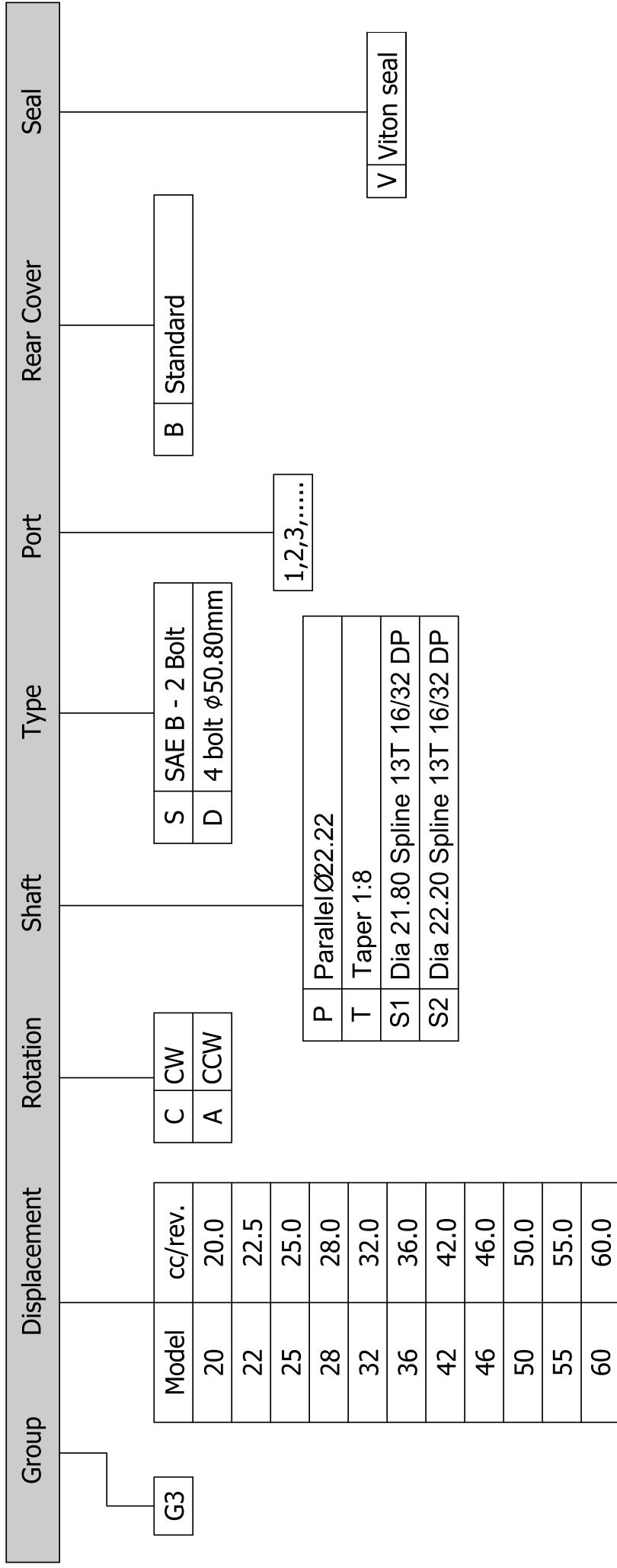
TYPE	C	D
4 to 25	SAE12 1-1/16-UN2B	SAE10 7/8"-14UNF2B
32	SAE16 1-5/16" UN2B	SAE12 1-16-UN2B

Type - R



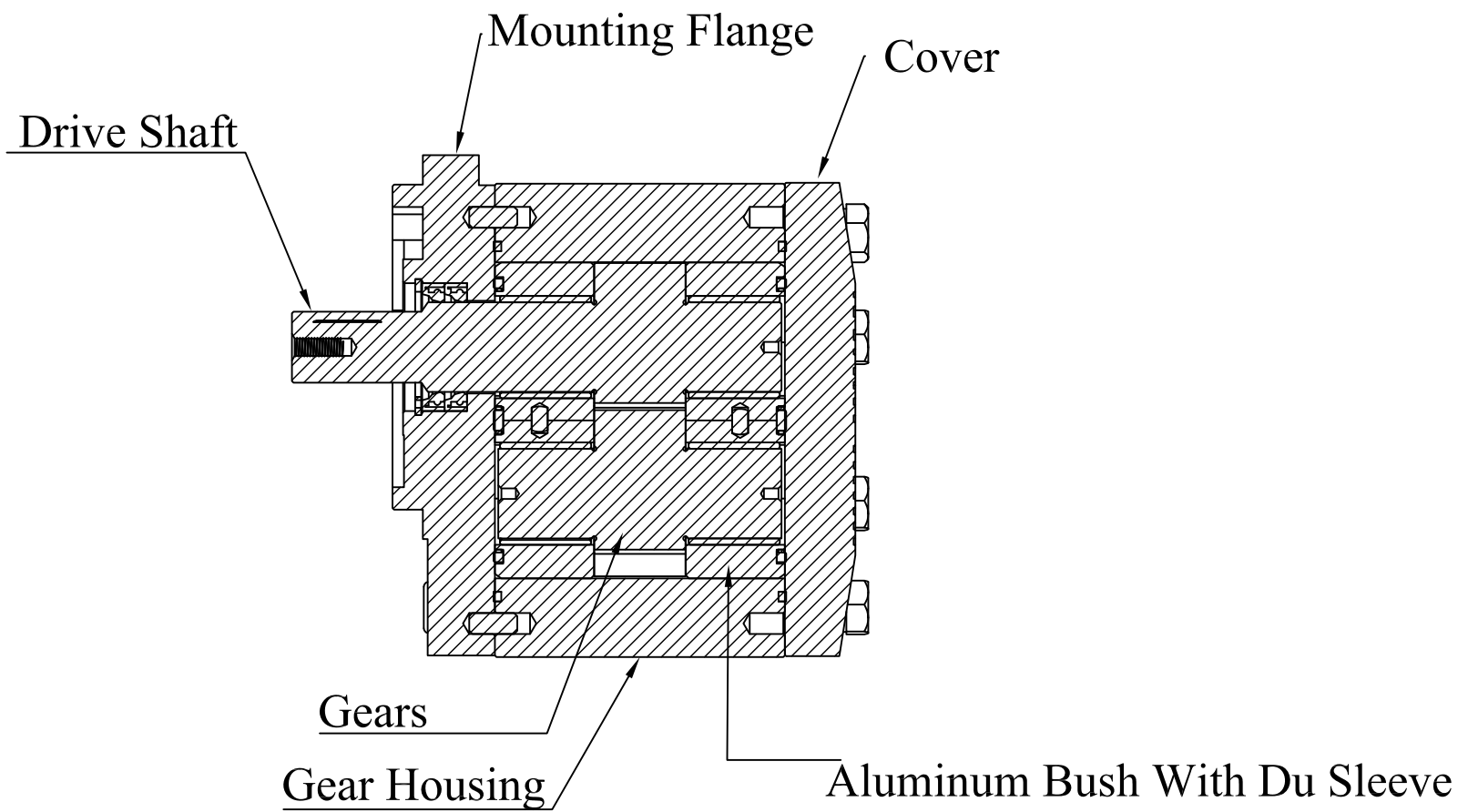
Suction and Delivery Ports are located in the end cover.
G and T Type ports are Available.
For more details about dimensions, please write to us.

HOW TO ORDER (GROUP G3)

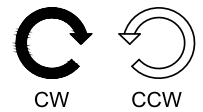
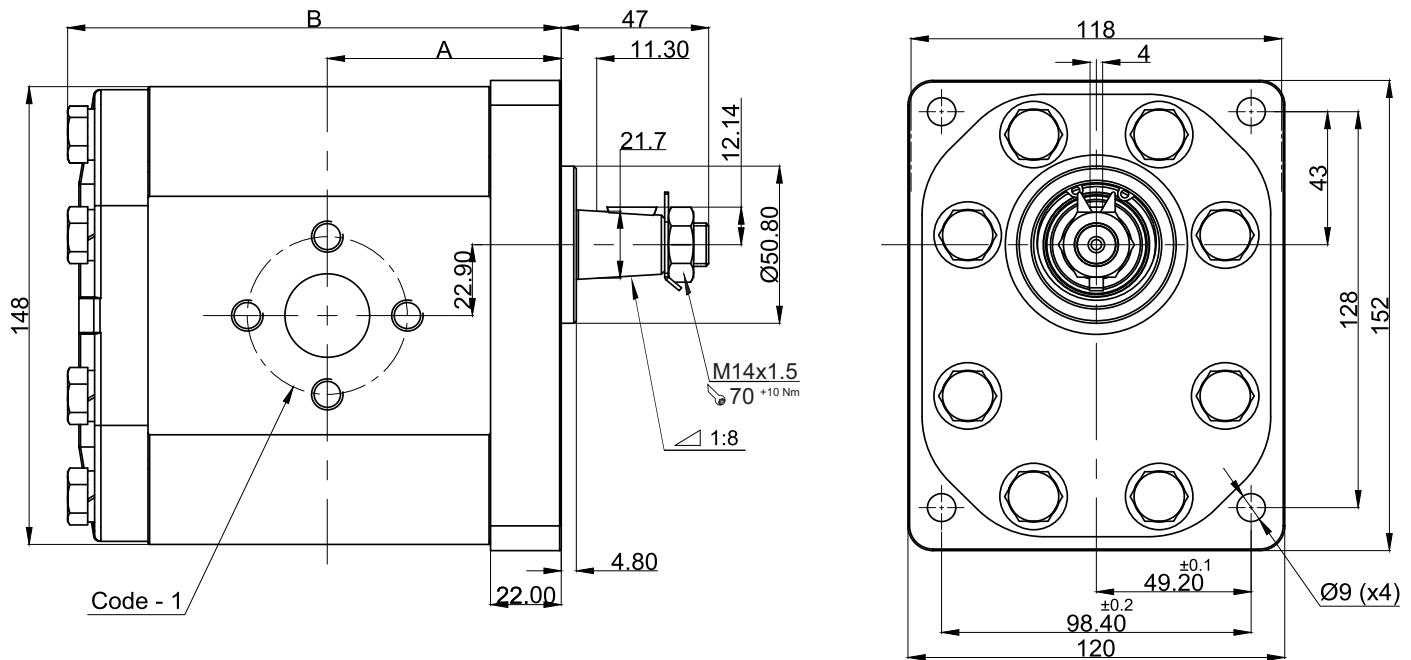


Example : G346CPS10BV = G3 Group, Displacement, Direction of rotation, Shaft, Type-Mounting/Flange, Port, Rear Cover, Single Seal

GROUP G3 SECTION VIEW



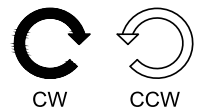
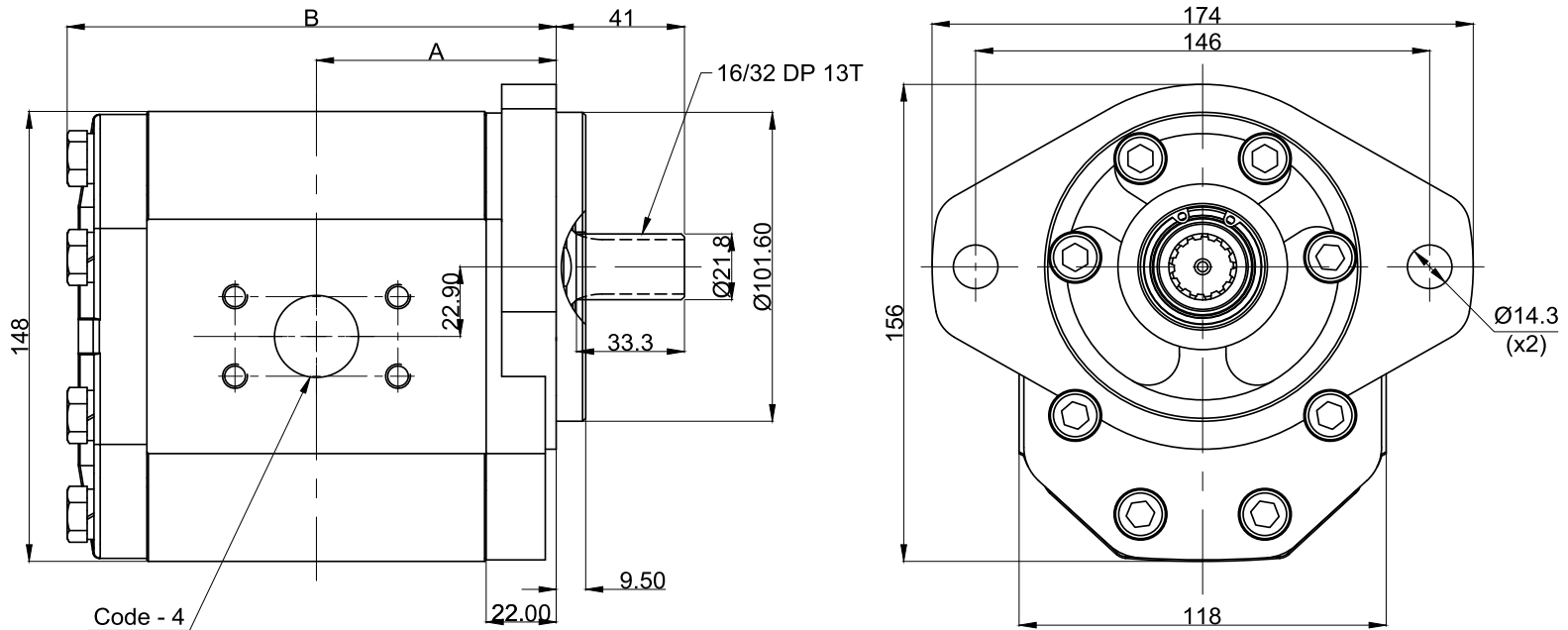
Pump Type - G3.x..



* PUMP CLOCKWISE (CW)
AS SHOWN IN DRAWING
* PUMP ANTICLOCK (CCW)
IN AND OUT PORT CHANGE

MODEL NO.	Displacement CC/REV.	PRESSURE P Bar	MAX SPEED rpm	DIMENSION	
				A	B
				mm	mm
G320	20.0	250	3000	56.10	118.20
G322	22.0	250	3000	57.60	121.20
G325	25.0	250	3000	58.30	123.20
G328	28.0	250	3000	60.20	126.20
G332	32.0	250	3000	66.50	141.20
G336	36.0	250	2800	68.00	145.20
G342	42.0	230	2500	70.80	150.70
G346	46.0	230	2300	72.70	155.20
G350	50.0	200	2100	74.50	159.20
G355	55.0	200	1750	76.70	163.20
G360	60.0	180	1750	78.70	168.20

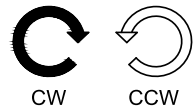
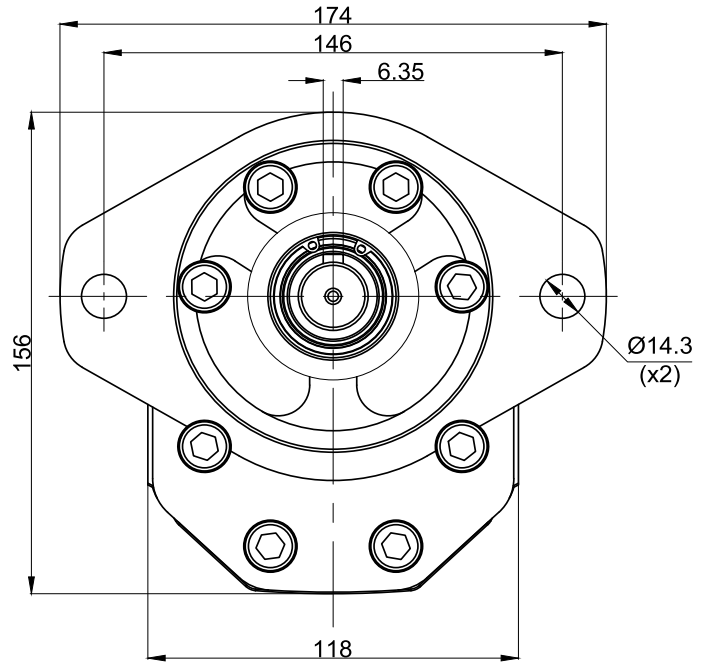
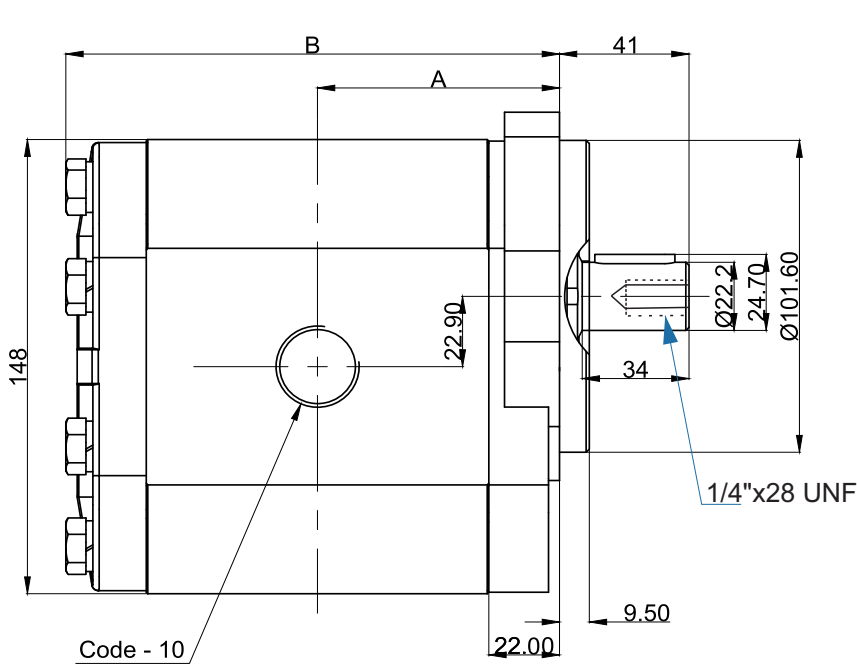
Pump Type - G3.x..



CW CCW
 * PUMP CLOCKWISE (CW)
 AS SHOWN IN DRAWING
 * PUMP ANTICLOCK (CCW)
 IN AND OUT PORT CHANGE

MODEL NO.	Displacement CC/REV.	PRESSURE P Bar	MAX SPEED rpm	DIMENSION	
				A	B
				mm	mm
G320	20.0	250	3000	56.10	118.20
G322	22.0	250	3000	57.60	121.20
G325	25.0	250	3000	58.30	123.20
G328	28.0	250	3000	60.20	126.20
G332	32.0	250	3000	66.50	141.20
G336	36.0	250	2800	68.00	145.20
G342	42.0	230	2500	70.80	150.70
G346	46.0	230	2300	72.70	155.20
G350	50.0	200	2100	74.50	159.20
G355	55.0	200	1750	76.70	163.20
G360	60.0	180	1750	78.70	168.20

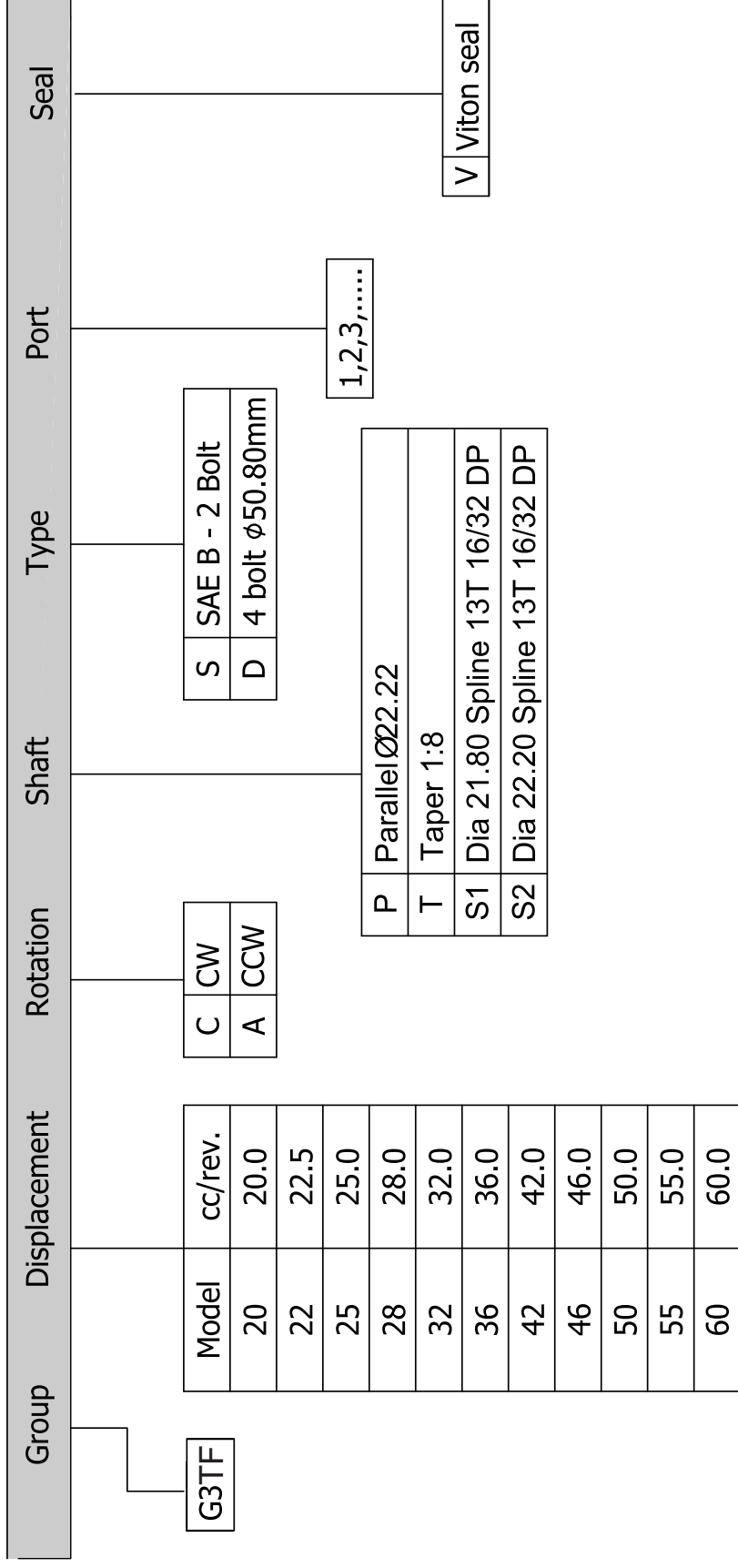
Pump Type - G3.x..



* PUMP CLOCKWISE (CW)
 AS SHOWN IN DRAWING
 * PUMP ANTICLOCK (CCW)
 IN AND OUT PORT CHANGE

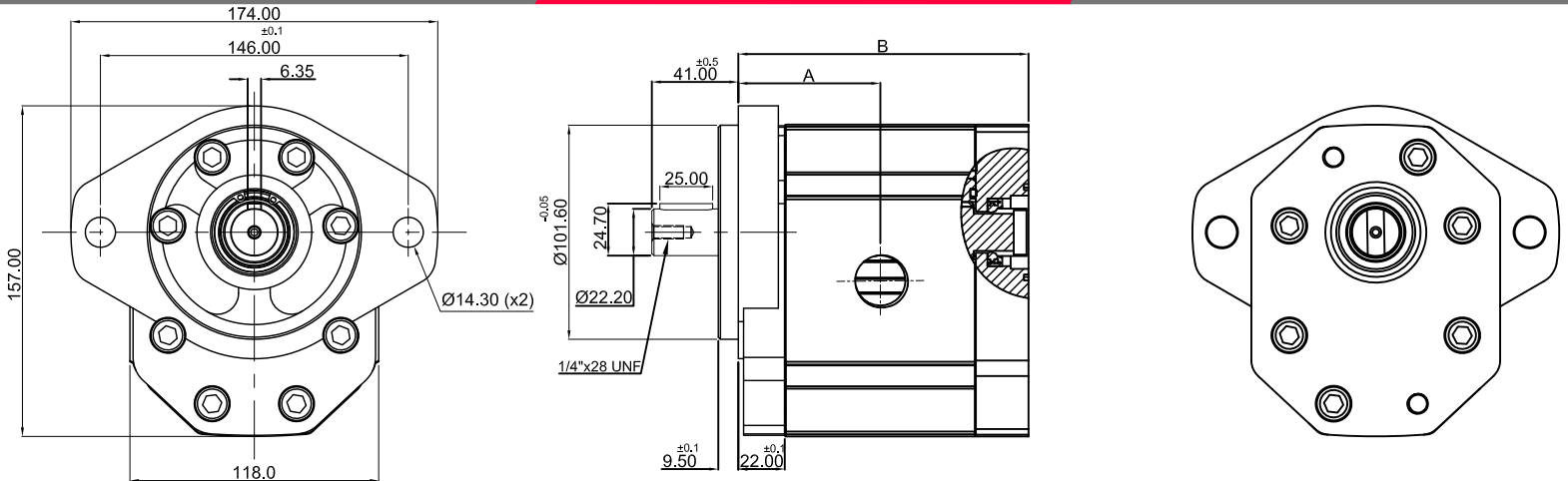
MODEL NO.	Displacement CC/REV.	PRESSURE P Bar	MAX SPEED rpm	DIMENSION	
				A	B
				mm	mm
G320	20.0	250	3000	56.10	118.20
G322	22.0	250	3000	57.60	121.20
G325	25.0	250	3000	58.30	123.20
G328	28.0	250	3000	60.20	126.20
G332	32.0	250	3000	66.50	141.20
G336	36.0	250	2800	68.00	145.20
G342	42.0	230	2500	70.80	150.70
G346	46.0	230	2300	72.70	155.20
G350	50.0	200	2100	74.50	159.20
G355	55.0	200	1750	76.70	163.20
G360	60.0	180	1750	78.70	168.20

HOW TO ORDER(GROUP G3 FRONT PUMP)

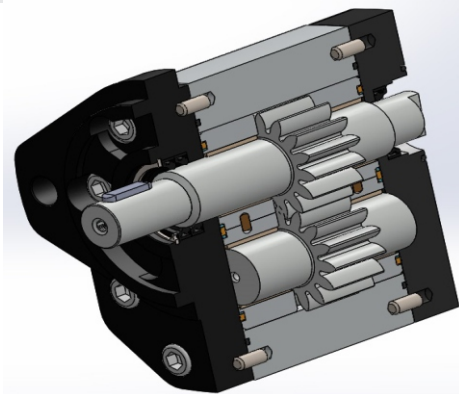


Example: G3TF22CPS1V = G3TF(G3 Front Pump), Displacement, Direction of Rotation, Shaft, Type Mounting/Flange, Port, Seal

Pump Types-G3X..x G3X...



MODEL NO.	CC/REV.	PRESSURE P Bar	MAX SPEED rpm	DIMENSION	
				A	B
				mm	mm
G320	20.0	250	3000	56.10	117.15
G322	22.0	250	3000	57.60	120.15
G325	25.0	250	3000	58.30	122.15
G328	28.0	250	3000	60.20	125.15
G332	32.0	250	3000	66.50	140.15
G336	36.0	250	2800	68.00	144.15
G342	42.0	230	2500	70.80	149.65
G346	46.0	230	2300	72.70	154.15
G350	50.0	200	2100	74.50	158.15
G355	55.0	200	1750	76.70	162.15
G360	60.0	180	1750	78.70	167.15



WE ARE MANUFACTURING TANDEM PUMP WITH "OLDHAM COUPLING" CONNECTION.

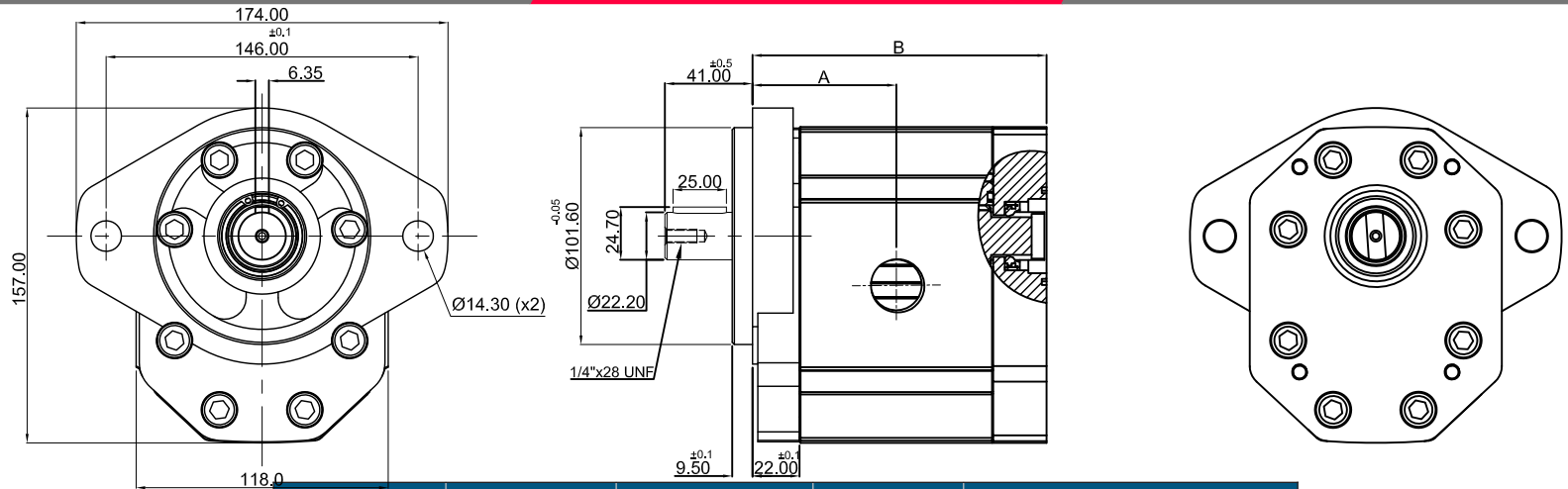
Benefits of this Oldham Coupling:

- 1.Rear Pump Interchangeability with Combination(CC) of Tandem Pumps.
- 2.Both Pumps can be used at Peak Pressure.
- 3.The Protrusion parts of the Tang Shaft Seats in Properly with Coupling.
- 4.Since it is OLDHAM COUPLING ever if the motor bell housing pump(1st) and 2nd pump are misaligned the functioning won't be affected.
- 5.The life of pumps are more as the Oldham coupling takes care of the pump in its alignment. The Guide bush life is fantastic, Volumetric efficiency is maintained for the direct coupling pumps.

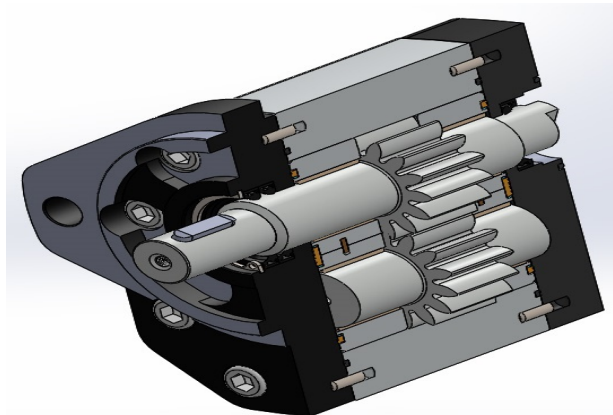
Advantage:

- 1.Both the Pumps are Connected through Oldham coupling. By removing four bolts the rear pump can be replaced(if failure or replacement occurs at any stages). Since it is separate construction it is cost effective in the future as total pump need not have to replace

Pump Types-G3X..x G2X...



MODEL NO.	CC/REV.	PRESSURE P Bar	MAX SPEED rpm	DIMENSION	
				A	B
				mm	mm
G320	20.0	250	3000	56.10	117.15
G322	22.0	250	3000	57.60	120.15
G325	25.0	250	3000	58.30	122.15
G328	28.0	250	3000	60.20	125.15
G332	32.0	250	3000	66.50	140.15
G336	36.0	250	2800	68.00	144.15
G342	42.0	230	2500	70.80	149.65
G346	46.0	230	2300	72.70	154.15
G350	50.0	200	2100	74.50	158.15
G355	55.0	200	1750	76.70	162.15
G360	60.0	180	1750	78.70	167.15



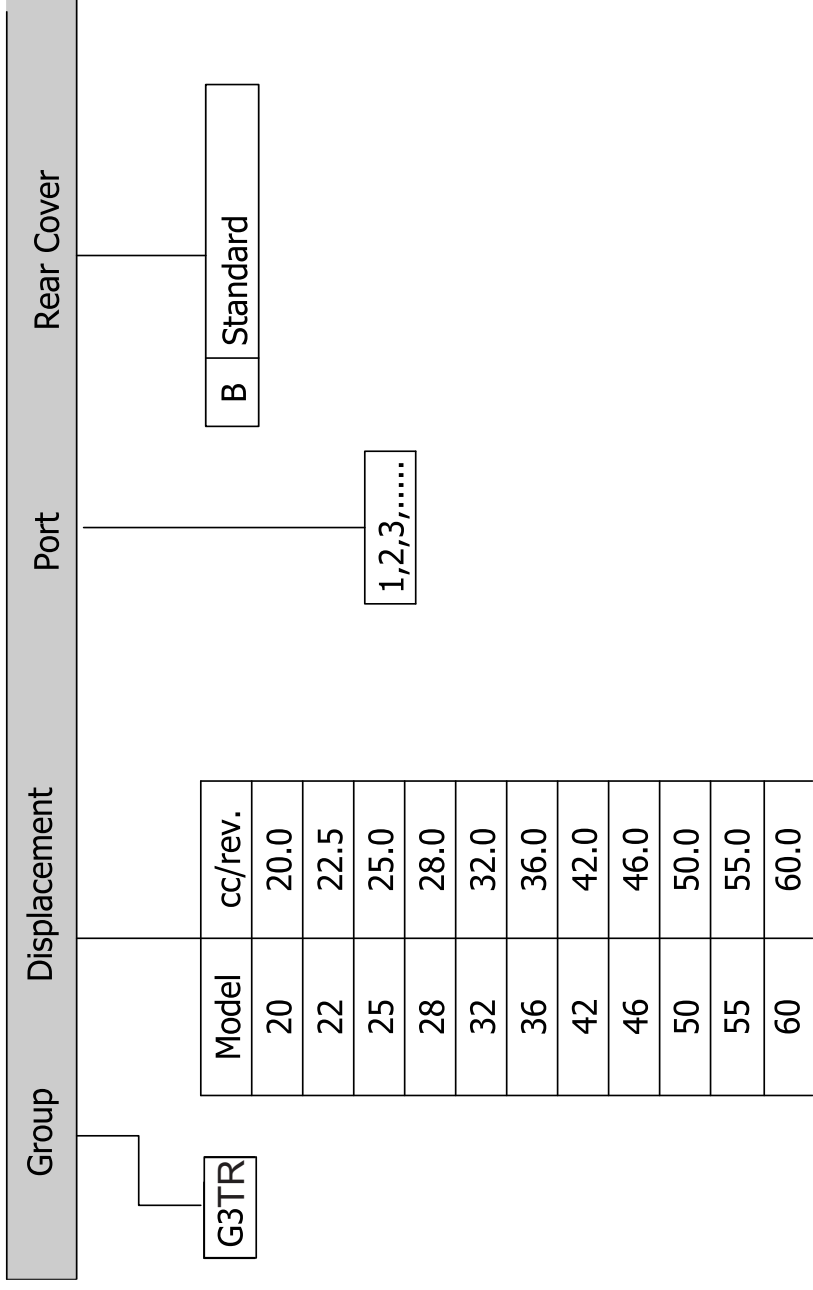
WE ARE MANUFACTURING TANDEM PUMP WITH "OLDHAM COUPLING" CONNECTION.

Benefits of this Oldham Coupling:

- 1.Rear Pump Interchangeability with Combination(CC) of Tandem Pumps.
- 2.Both Pumps can be used at Peak Pressure.
- 3.The Protrusion parts of the Tang Shaft Seats in Properly with Coupling.
- 4.Since it is OLDHAM COUPLING ever if the motor bell housing pump(1st) and 2nd pump are misaligned the functioning won't be affected.
- 5.The life of pumps are more as the Oldham coupling takes care of the pump in its alignment. The Guide bush life is fantastic, Volumetric efficiency is maintained for the direct coupling pumps.

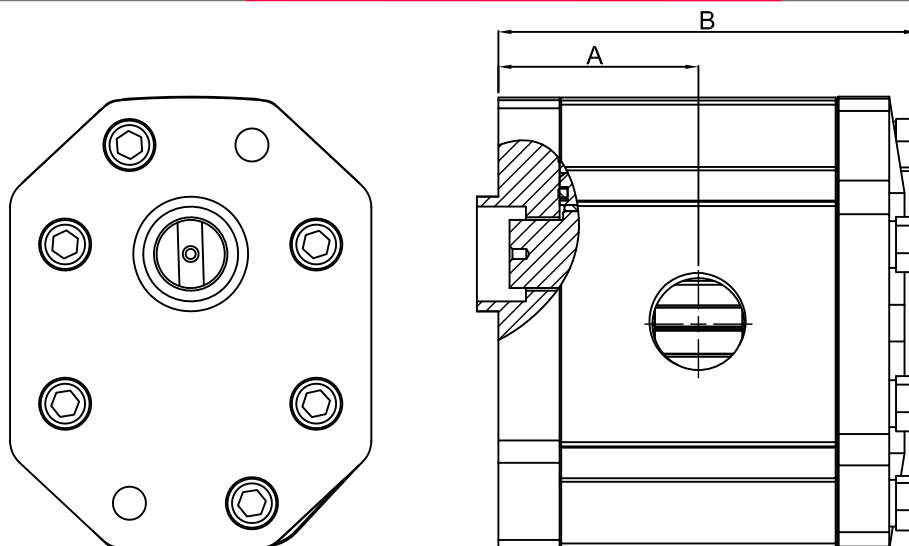
Advantage:
 1.Both the Pumps are Connected through Oldham coupling. By removing four bolts the rear pump can be replaced(if failure or replacement occurs at any stages). Since it is separate construction it is cost effective in the future as total pump need not have to replace

HOW TO ORDER(GROUP G3 REAR PUMP)

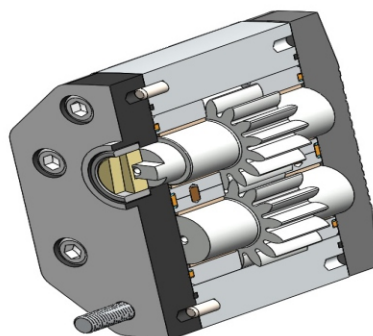


Example: G3TR224B = G3TF(G3 Rear Pump), Displacement, Port, Rear Cover

Pump Types-G3X..x G3X...



MODEL NO.	CC/REV.	PRESSURE P Bar	MAX SPEED rpm	DIMENSION	
				A	B
				mm	mm
G320	20.0	250	3000	54.10	113.65
G322	22.0	250	3000	55.60	115.65
G325	25.0	250	3000	56.30	118.15
G328	28.0	250	3000	58.20	120.65
G332	32.0	250	3000	64.50	136.15
G336	36.0	250	2800	66.00	139.65
G342	42.0	230	2500	68.80	145.15
G346	46.0	230	2300	70.70	148.65
G350	50.0	200	2100	72.50	152.15
G355	55.0	200	1750	74.70	156.65
G360	60.0	180	1750	76.70	161.15



WE ARE MANUFACTURING TANDEM PUMP WITH "OLDHAM COUPLING" CONNECTION.

Benefits of this Oldham Coupling:

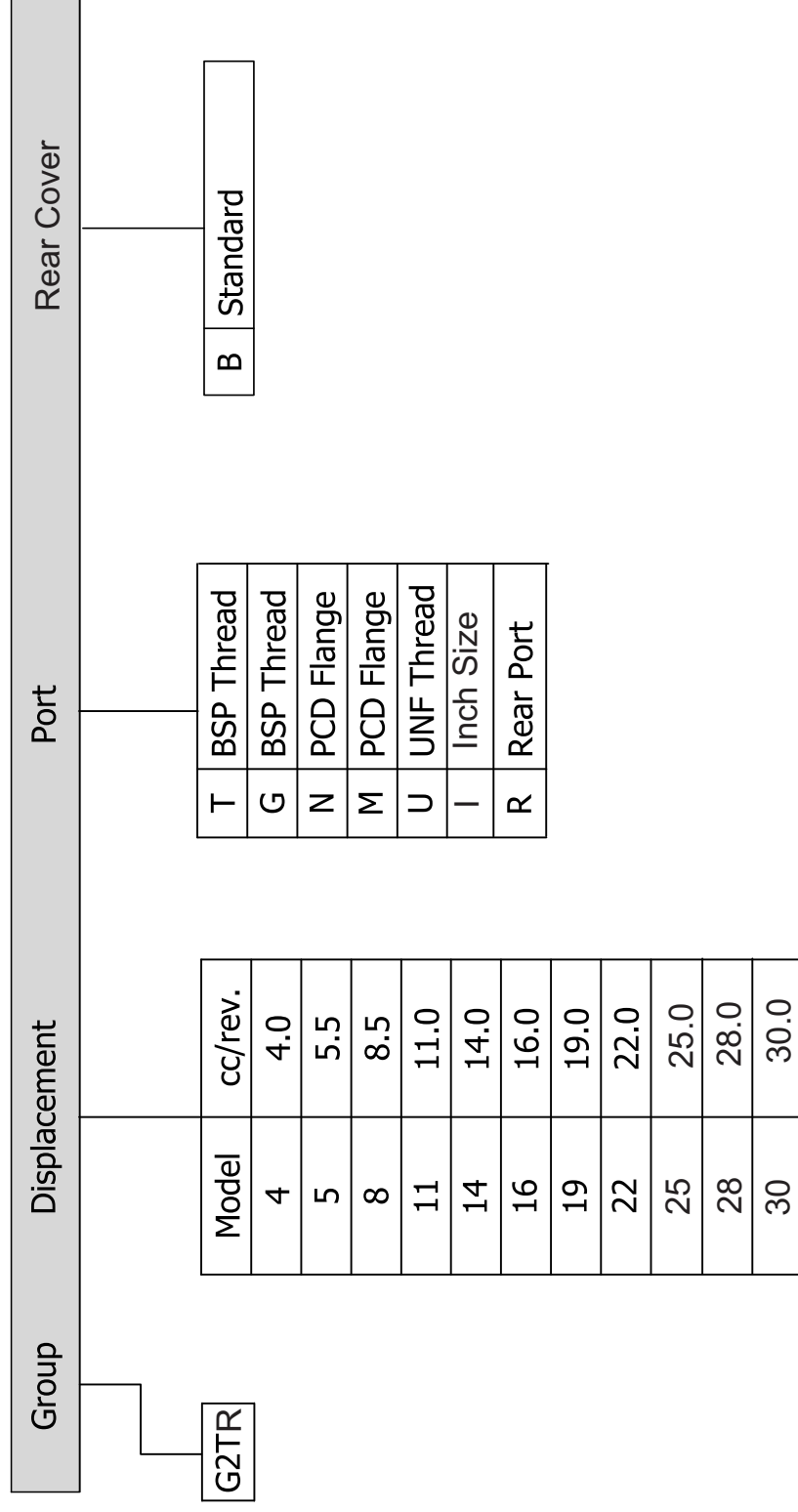
1. Rear Pump Interchangeability with Combination(CC) of Tandem Pumps.
2. Both Pumps can be used at Peak Pressure.
3. The Protrusion parts of the Tang Shaft Seats in Properly with Coupling.
4. Since it is OLDHAM COUPLING even if the motor bell housing pump(1st) and 2nd pump are misaligned the functioning won't be affected.
5. The life of pumps are more as the Oldham coupling takes care of the pump in its alignment. The Guide bush life is fantastic, Volumetric efficiency is maintained for the direct coupling pumps.

Advantage:

1. Both the Pumps are Connected through Oldham coupling. By removing four bolts the rear pump can be replaced(if failure or replacement occurs at any stages). Since it is separate construction it is cost effective in the future as total pump need not have to replace

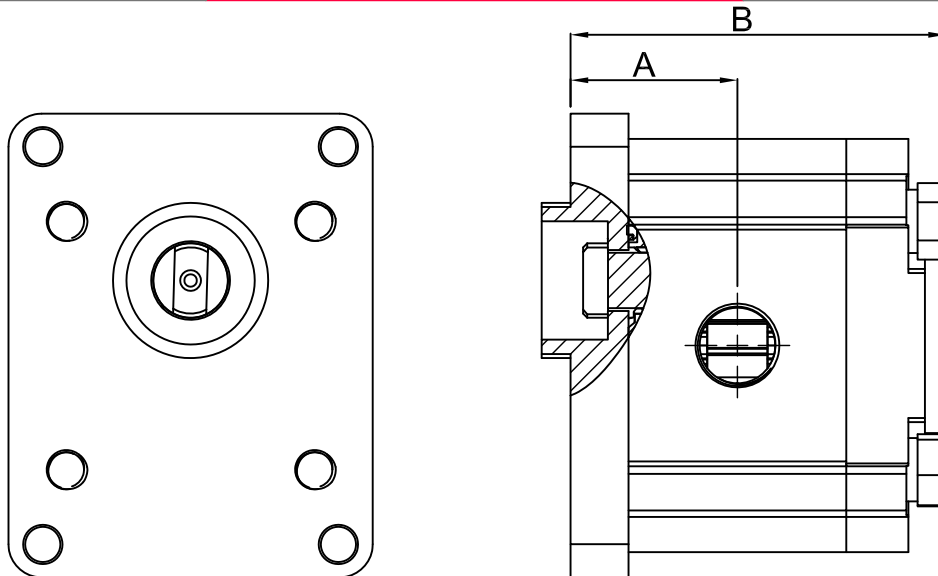


HOW TO ORDER(GROUP G2 REAR PUMP)

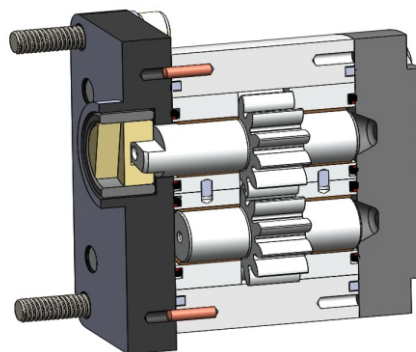


Example: G2TR11TB = G2TR(G2 Rear Pump), Displacement, Port, Rear Cover

Pump Types-G3X..x G2X...



MODEL NO.	CC/REV.	PRESSURE P Bar	MAX SPEED rpm	DIMENSION	
				A	B
				mm	mm
BHP-14	4.50	250	3500	36.80	83.20
BHP-17	5.25	250	3500	37.80	85.20
BHP-20	6.35	250	3500	38.30	86.20
BHP-28	8.75	250	3500	40.30	90.20
BHP-36	11.00	250	3500	42.15	93.90
BHP-44	13.65	250	3000	44.15	97.90
BHP-52	16.00	250	3000	46.35	102.30
BHP-60	18.35	230	3000	48.05	105.70
BHP-72	22.00	210	3000	51.30	112.20
BHP-90	27.35	180	2500	55.80	121.20



WE ARE MANUFACTURING TANDEM PUMP WITH "OLDHAM COUPLING" CONNECTION.

Benefits of this Oldham Coupling:

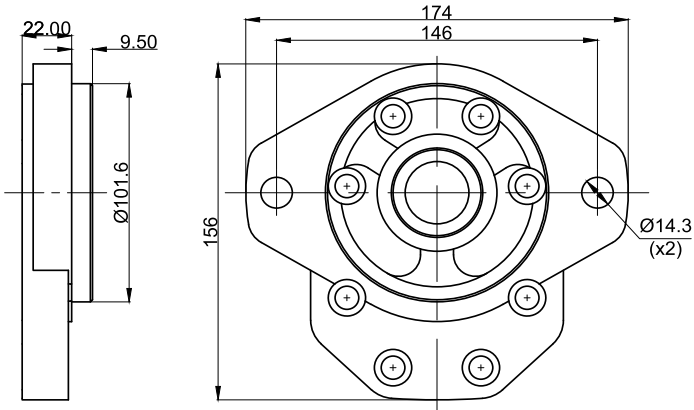
1. Rear Pump Interchangeability with Combination(CC) of Tandem Pumps.
2. Both Pumps can be used at Peak Pressure.
3. The Protrusion parts of the Tang Shaft Seats in Properly with Coupling.
4. Since it is OLDHAM COUPLING even if the motor bell housing pump(1st) and 2nd pump are misaligned the functioning won't be affected.
5. The life of pumps are more as the Oldham coupling takes care of the pump in its alignment. The Guide bush life is fantastic, Volumetric efficiency is maintained for the direct coupling pumps.

Advantage:

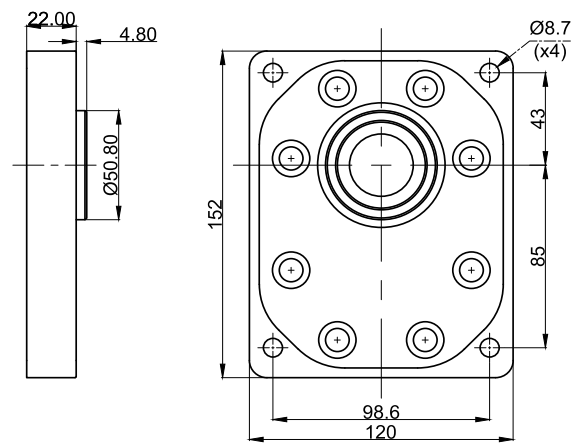
1. Both the Pumps are Connected through Oldham coupling. By removing four bolts the rear pump can be replaced(if failure or replacement occurs at any stages). Since it is separate construction it is cost effective in the future as total pump need not have to replace

Mounting Flange

Code - S

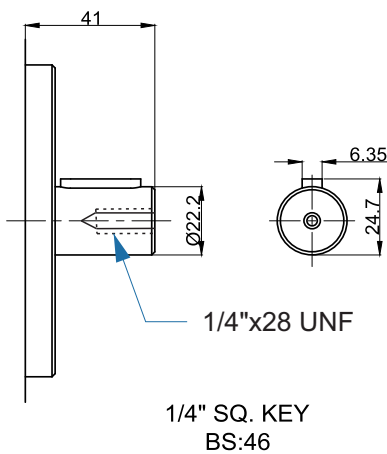


Code - D

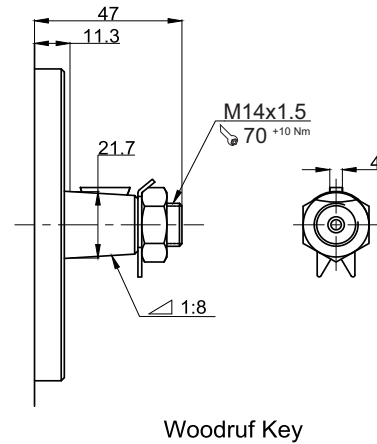


Shafts

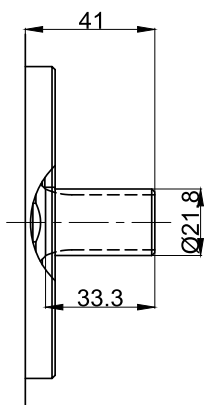
Code - P



Code - T

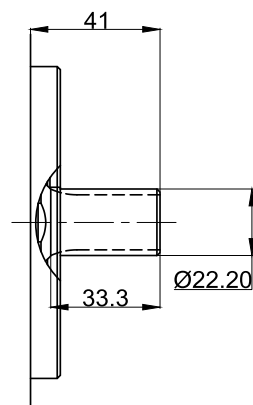


Code - S1



SAE SPLINE
13T 16/32 DP

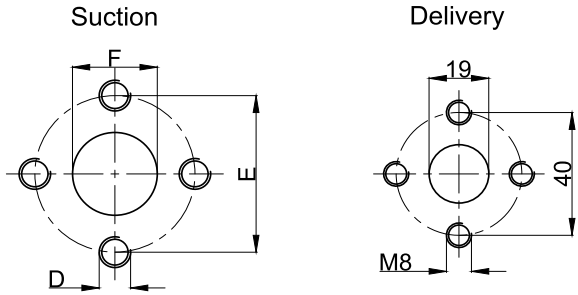
Code - S2



SAE SPLINE
13T 16/32 DP

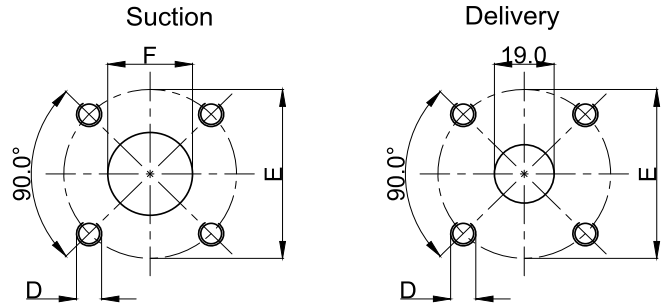
Ports

Code - 1



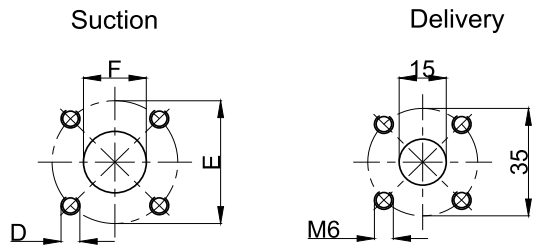
TYPE	E	F	D
G20-G28	40	19	M8
G32-G60	51	27	M10

Code - 2



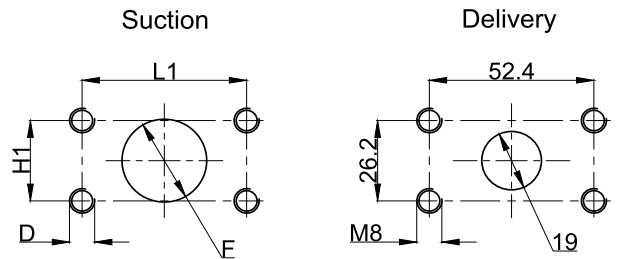
TYPE	E	F	D
G20- G28	40	19	M8
G32 - G60	55	27	M8

Code - 3



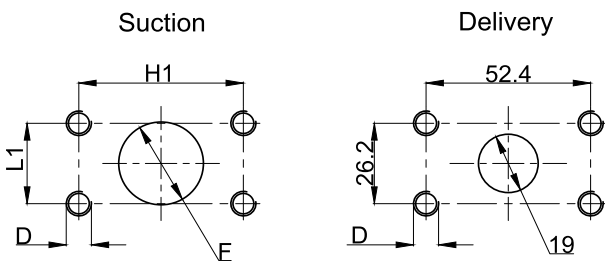
TYPE	E	F	D
G20- G28	40	20	M6

Code - 4



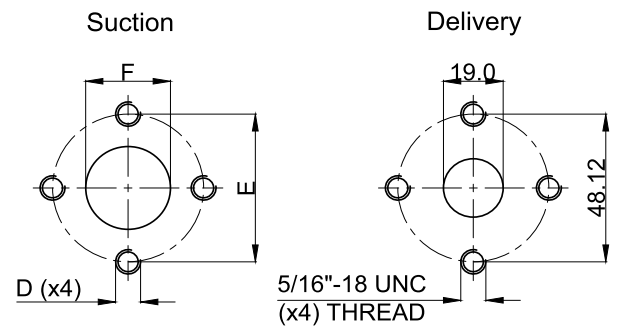
TYPE	L1	H1	F	D
G20- G60	52.4	26.2	27	M8

Code - 5



TYPE	L1	H1	F	D
G20- G60	26.2	52.4	27	3/8"-16 UNC

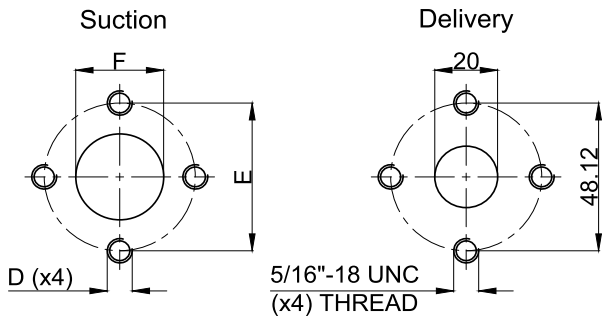
Code - 6



TYPE	E	F	D
G20- G60	48.12	27	5/16"-18 UNC

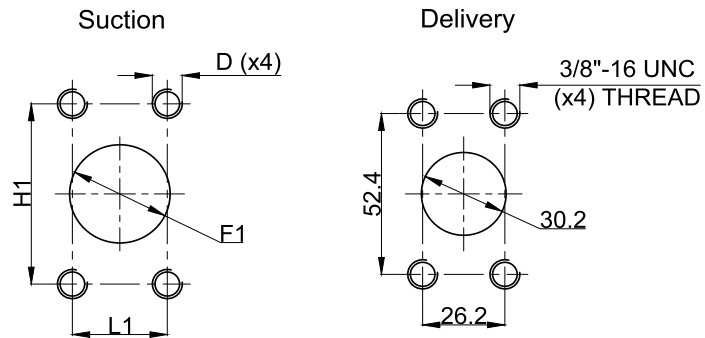
Ports

Code - 7



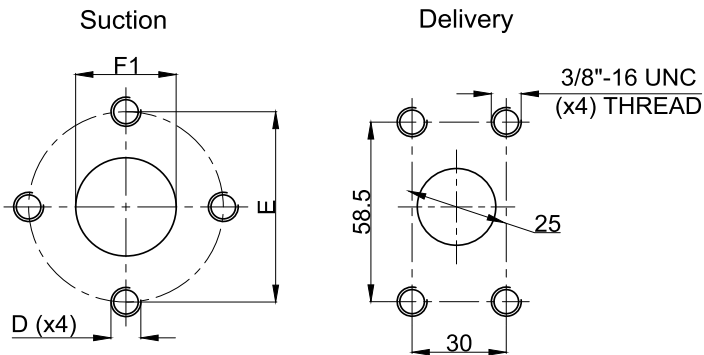
TYPE	E	F	D
G20-G22	48.12	22	5/16"-18 UNC
G25-28	48.12	25	5/16"-18 UNC
G32-G60	48.12	28	5/16"-18 UNC

Code - 8



TYPE	L1	H1	F	D
G36- G60	30.2	58.7	32	7/16"-14 UNC

Code - 9



TYPE	E	F1	D
G36-G60	62	32	3/8"-16 UNC

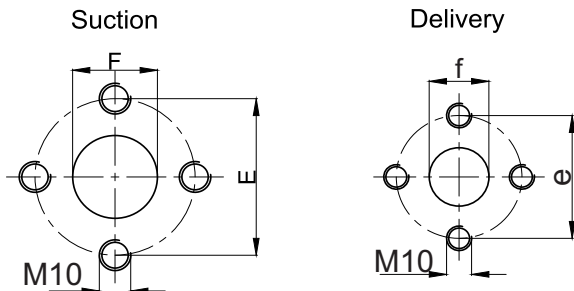
Code - 10



TYPE	G
G20-G28	G 3/4"
G32-G55	G 1"
G60	G 1-1/4"

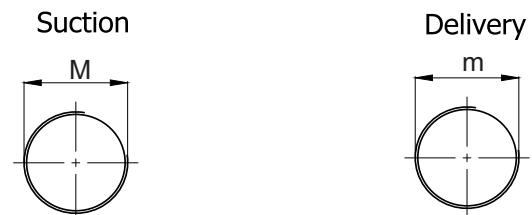
TYPE	g
G20-G60	G 3/4"

Code - 11



TYPE	E	F	e	f
G20-G36	56	27	56	19
G42-G60	56	27	56	27

Code - 12

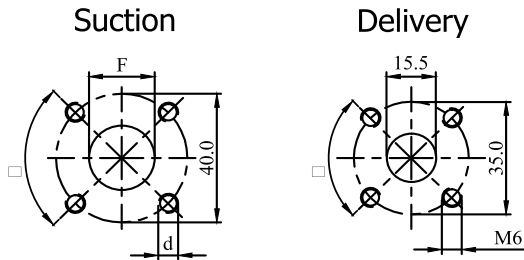


TYPE	M
G20-G28	M27x1.5
G32-G60	M33x1.5

TYPE	m
G20-G60	M27x1.5

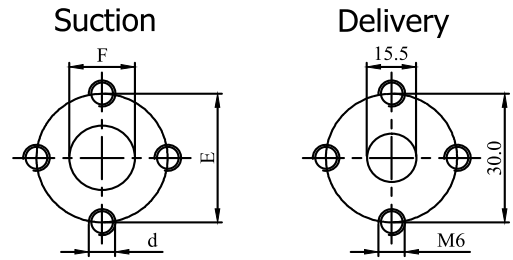
Ports

Type - M



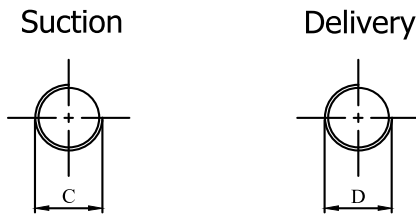
TYPE	F	d
4 to 8	15.5	M6
11 to 30	20.0	M6

Type - N



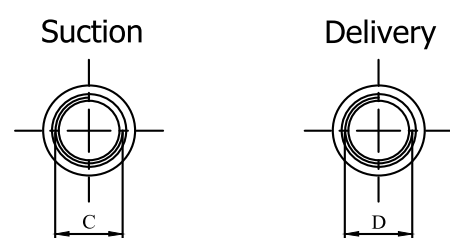
TYPE	E	F	d
4 to 8	30.0	15.5	M6
11 to 30	40.0	20.0	M8

Type - T



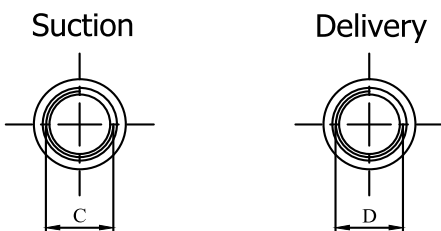
TYPE	C	D
4 to 8	G 1/2"	G 1/2"
11	G 3/4"	G 1/2"
14 to 30	G 3/4"	G 3/4"

Type - U



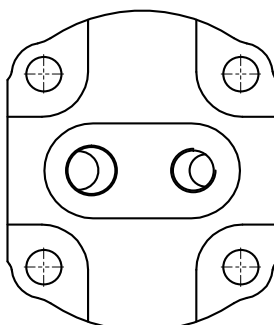
TYPE	C	D
4 to 8	7/8-14 UNF	7/8-14 UNF
11 to 30	1-1/16-12 UNF	7/8-14 UNF

Type - I



TYPE	C	D
4 to 25	SAE12 1-1/16-UN2B	SAE10 7/8"-14UNF2B
32	SAE16 1-5/16" UN2B	SAE12 1-16-UN2B

Type - R



Suction and Delivery Ports are located in the end cover.
G and T Type ports are Available.
For more details about dimensions, please write to us.

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