DATA SHEET

Bezares Group

DOUBLE VANE PUMPS

VQ, VS and DT6 Double vane pumps

(See single pumps for displacement & power diagrams)
Pages 35, 37 and 39 for VQ & VS
Pages 42,44 and 46 for DT6

DATA SHEET

V* DOUBLE VANE PUMPS ORDERING CODE

F3	VS	43	21	8	D	1	A	A
1	2	3	4	5	6	7	8	9

1 - "F3" means special seals for fire-resistant fluids. Omit if not required

2 - Pump Type:

VC = 12 vane pump, medium pressure application.

VS = 12 vane pump, (except the cover end cartridge of the VS*3 pump), industrial uses (very quiet), UNC threads.

VQ = 10 vane pump, bronze plates, mobile uses, UNC threads.

3 - Model of pump: 2010,2020,43,63,64,73,74 and 76.

4 - Pump flow at shaft side: All models in US gallons per minute at 1200 rpm and 7 Bar. (See flow chart).

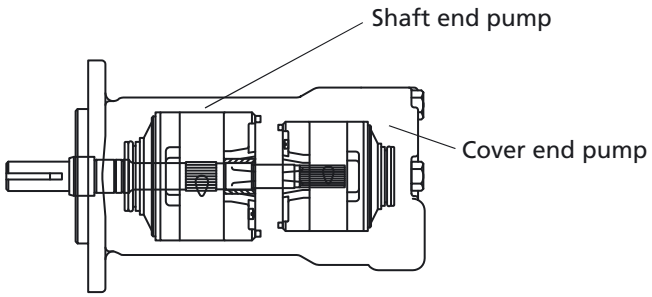
5 - Pump flow at cover side: All models in gallons per minute at 1200 rpm and 7 Bar. (See flow chart).

6 - D = Right-hand rotation (Clockwise)
Y = Left-hand rotation (Counterclockwise).
(Viewed from the shaft end).

7 - Shaft type:
1: Parallel keyed
11: Splined
86: Heavy duty parallel keyed

8 - Shaft end outlet position, (viewed from shaft):
A: Outlet in line with inlet
B: 90° clockwise from inlet
C: 180° from inlet
D: 90° counterclockwise from inlet (Viewed from shaft)

9- Cover end outlet position, (viewed from shaft):
A: 45° clockwise from inlet
B: 135° clockwise from inlet
C: 135° counterclockwise from inlet
D: 45° counterclockwise from inlet
(Viewed from shaft)



V* DOUBLE VANE PUMP CHARACTERISTCS

TYPE	SHAFT END							COVER END							WEIGHT (Kgs.)
	FLOW			MAX. rpm	PRESSURE (Bar)		Nominal Power (2)	FLOW			MAX. rpm	PRESSURE (Bar)		Nominal Power (2)	
	Lts.at 1000 rpm	Gal. At 1200 rpm	Reducc. (1)		Contin.	Interm.		Lts.a 1000 rpm	Gal. a 1200 rpm	Reducc. (1)		Contin.	Interm.		
VC2010	16 20 23 27 30 34 36 39 42	5 6 7 8 9 10 11 12 13	2 2,8 4 4,2 4,5 4,8 4,8 5,4 6,0	3400 3000 2800 2500 2400	155 140	180	3,2 3,9 4,4 5,1 5,6 6,1 6,5 7,5 8,1	3 7 10 13 16 20 23	1 2 3 4 5 6 7	0,8 0,9 1,2 1,6 1,7 1,8 1,9	3000 2400	155 140	180	0,7 1,4 2,1 2,7 3,2 3,7 4,2	13.6
VC2020	16 20 23 27 30 34 36 39 42	5 6 7 8 9 10 11 12 13	2 2,8 4 4,2 4,5 4,8 4,8 5,4 6,0	3400 3000 2800 2500 2400	155 140	180	3,2 3,9 4,4 5,1 5,6 6,1 6,5 7,5 8,1	16 20 23 27 30 34 36 39 42	5 6 7 8 9 10 11 12 13	2 2,8 4 4,2 4,5 4,8 4,8 5,4 6,0	3400 3000 2800 2500 2400	155 140	180	3,2 3,9 4,4 5,1 5,6 6,1 6,5 7,5 8,1	15.9
VS43 VQ43	32 40 45 55 60 67 80 88*	10 12 14 17 19 21 24 27	4,5 5,7 5,7 5,8 5,8 6 6,2 6,5	2500 1800 (VS) 1500	175 125	210 150	6,9 10,4 11,6 13,8 15,2 16,8 20,3 22,4	8 18 27 29 36 39 46	2 5 8 9 11 12 14	0,9 2,1 2,8 3,5 4,3 4,3 4,3	2500	175	210	1,9 4 6,6 6,9 7,3 7,4 7,6	21
VS63 VQ63	66 81 97 112 121 142	21 25 30 35 38 45	8,6 9 10 11,4 11,4 13,1	2400 1800 (VS) 1500	175 125	210 150	16,8 20,3 24,3 27,4 29,3 33,3	8 18 27 29 36 39 46	2 5 8 9 11 12 14	0,9 2,1 2,8 3,5 4,3 4,3 4,3	2500	175	210	1,9 4 6,6 6,9 7,3 7,4 7,6	31
VS64 VQ64	66 81 97 112 121 142	21 25 30 35 38 45	8,6 9 10 11,4 11,4 13,1	2400 1800 (VS) 1500	175 125	210 150	16,8 20,3 24,3 27,4 29,3 33,3	32 40 45 55 60 67 80 88*	10 12 14 17 19 21 24 27	4,5 5,7 5,7 5,8 5,8 6 6,2 6,5	2500 1800 (VS) 1500	175 125	210 150	6,9 10,4 11,6 13,8 15,2 16,8 20,3 22,4	33
VS73 VQ73	138 148 162 180 193 214 240	42 47 50 57 60 67 75	15 15,7 14,3 17,9 18,6 22 26	2200 1800 (VS)	155	175	32,3 36,3 37,9 43,2 46,1 51,2 57,4	8 18 27 29 36 39 46	2 5 8 9 11 12 14	0,9 2,1 2,8 3,5 4,3 4,3 4,3	2500 1800 (VS)	175	210	1,9 4 6,6 6,9 7,3 7,4 7,6	46
VS74 VQ74	138 148 162 180 193 214 240	42 47 50 57 60 67 75	15 15,7 14,3 17,9 18,6 22 26	2200 1800 (VS)	155	175	32,3 36,3 37,9 43,2 46,1 51,2 57,4	32 40 45 55 60 67 80 88*	10 12 14 17 19 21 24 27	4,5 5,7 5,7 5,8 5,8 6 6,2 6,5	2500 1800 (VS) 1500	175 125	210 150	6,9 10,4 11,6 13,8 15,2 16,8 20,3 22,4	45
VS76 VQ76	138 148 162 180 193 214 240	42 47 50 57 60 67 75	15 15,7 14,3 17,9 18,6 22 26	2200 1800 (VS)	155	175	32,3 36,3 37,9 43,2 46,1 51,2 57,4	66 81 97 112 121 142	21 25 30 35 38 45	8,6 9 10 11,4 11,4 13,1	2400 1800 (VS) 1500	175 125	210 150	16,8 20,3 24,3 27,4 29,3 33,3	55

* 27 gallons (88lts.) cartridge not mounted in **VQ** 42, **VQ** 43, **VQ** 64, **VQ** 74 vane pump model.
(1), (2) & (3) Please turn to next page

(1) Delivery flow reduction in Ltrs./min. at 100 Bar. 22 cST of oil viscosity at operating temperature. To calculate the approximate delivery flow at a given pressure and speed, use the following formula with flow reduction and theoretical flow values shown in the chart. Flow reduction values are independent of shaft speed.

$$\text{Approx. output flow (Ltrs./min.)} = \text{Theoretical flow} \times \frac{\text{R.P.M}}{1000} - \text{Reduction} \times \frac{\text{Pressure (Bar)}}{1000}$$

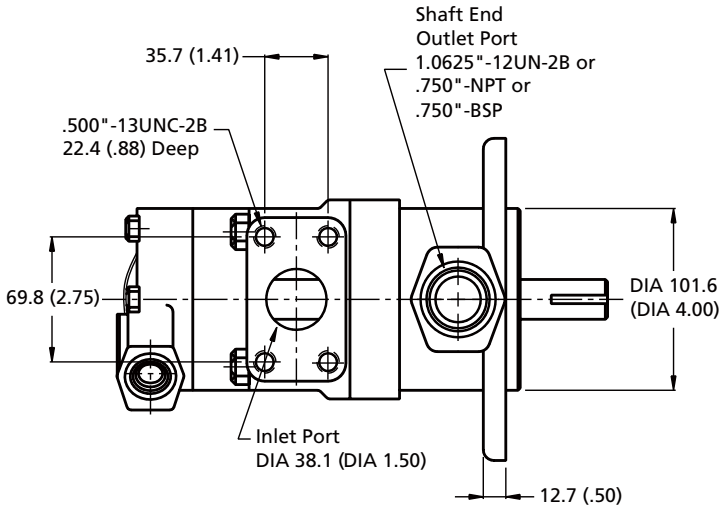
(2) Nominal Power in H.P. at 100 Bar and 1000 RPM (to convert into Kw multiply by 0.735).
To obtain the real input power at different pressure and revolutions, use the formula as follows:

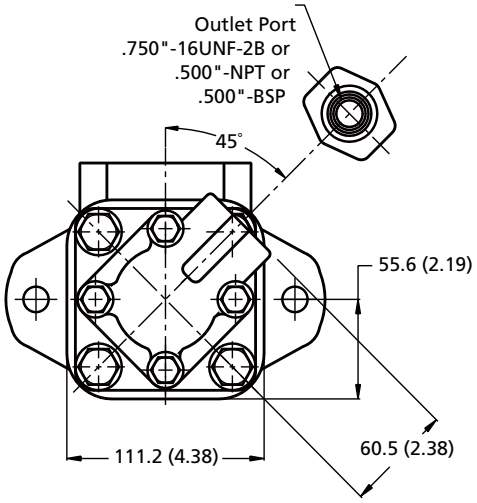
$$\text{Real input power} = \text{Input power} \times \frac{\text{R.P.M}}{1000} \times \frac{\text{Pressure (Bar)}}{1000}$$

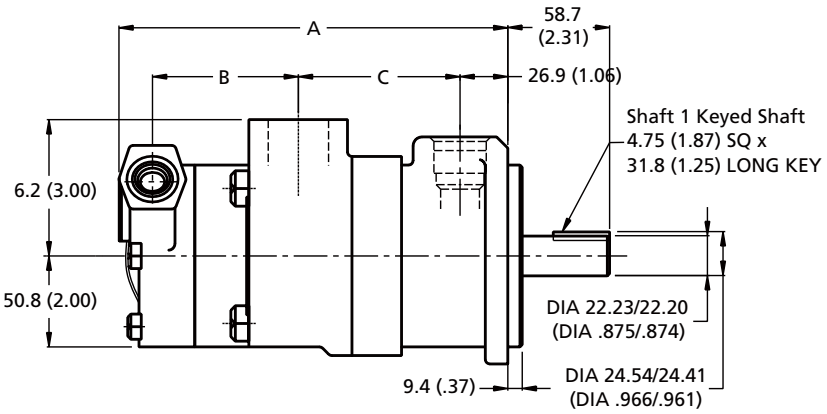
(3) See options on dimension pages.

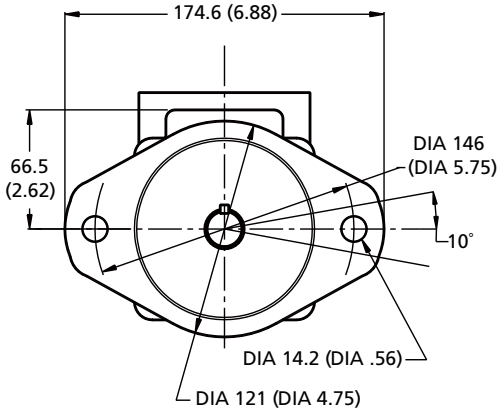
DATA SHEET

DOUBLE VANE PUMPS VC2010

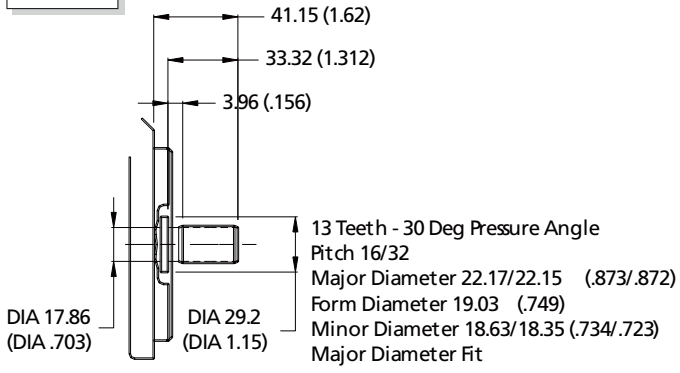








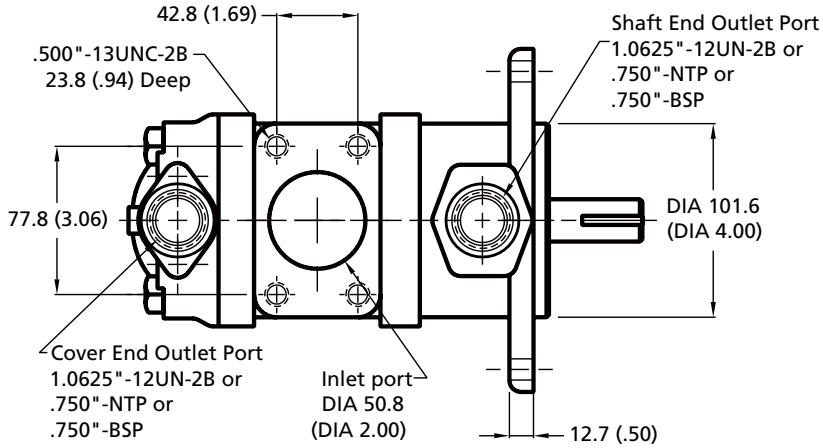
N°1 Shaft

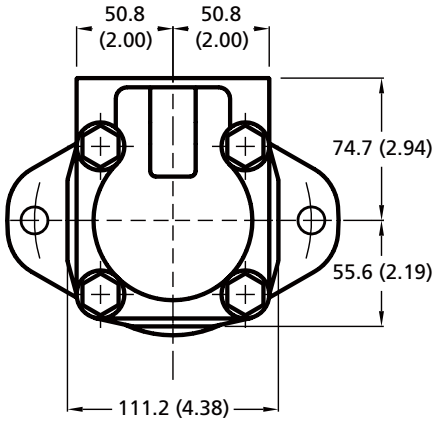


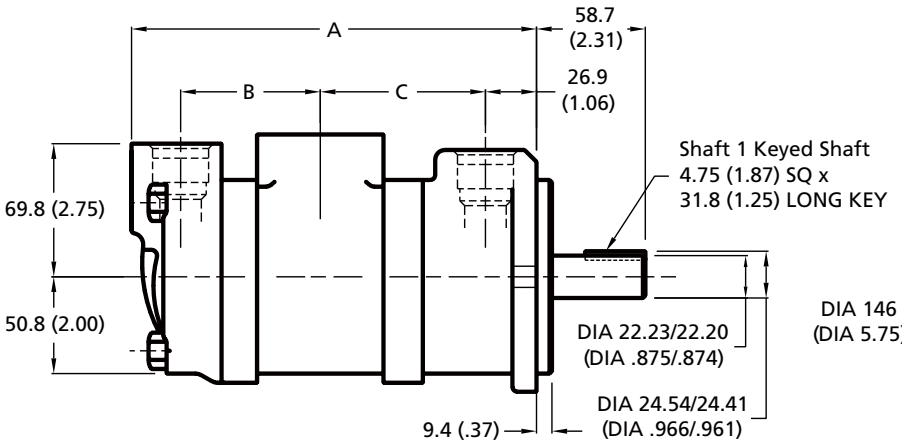
Shaft 11
Splined Shaft

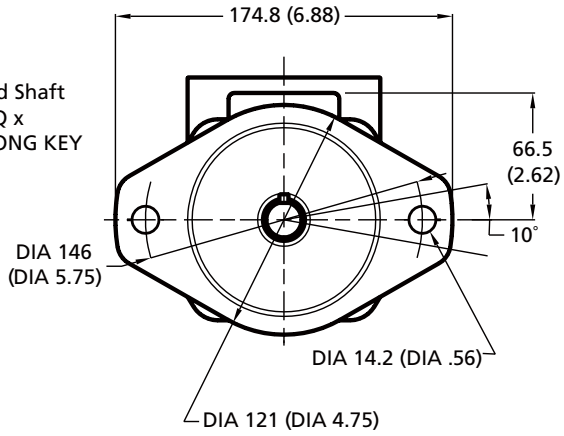
Delivery @ 1200 rpm & 7 bar (100 psi)		Dimension		
Shaft End	Cover End	A	B	C
7, 8, 9	1, 2, 3	213.1 (8.39)	75.9 (2.99)	86.4 (3.40)
7, 8, 9	4, 5	219.5 (8.64)	82.3 (3.24)	86.4 (3.40)
7, 8, 9	6, 7	224.5 (8.84)	87.4 (3.44)	86.4 (3.40)
10, 11	1, 2, 3	218.2 (8.59)	75.9 (2.99)	91.2 (3.59)
10, 11	4, 5	224.5 (8.84)	82.3 (3.24)	91.2 (3.59)
10, 11	6, 7	229.6 (9.04)	87.4 (3.44)	91.2 (3.59)
12, 13	1, 2, 3	221.7 (8.73)	75.9 (2.99)	94.7 (3.73)
12, 13	4, 5	227.8 (8.97)	82.3 (3.24)	94.7 (3.73)
12, 13	6, 7	232.9 (9.17)	87.4 (3.44)	94.7 (3.73)

DOUBLE VANE PUMPS VC2020



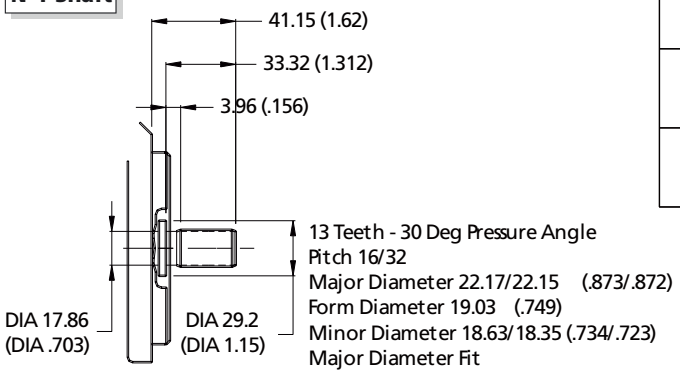






Delivery @ 1200 rpm & 7 bar (100 psi)		Dimension		
Shaft End	Cover End	A	B	C
7, 8, 9	5, 6	213.6 (8.41)	73.7 (2.90)	87.1 (3.43)
7, 8, 9	7, 8, 9	220.0 (8.66)	80.0 (3.15)	87.1 (3.43)
10, 11	5, 6	218.7 (8.61)	73.7 (2.90)	92.2 (3.63)
10, 11	7, 8, 9	225.0 (8.86)	80.0 (3.15)	92.2 (3.63)
10, 11	10, 11	229.9 (9.05)	85.1 (3.35)	92.2 (3.63)
12, 13	5, 6	222.3 (8.75)	73.7 (2.90)	95.5 (3.76)
12, 13	7, 8, 9	228.3 (8.99)	80.0 (3.15)	95.5 (3.76)
12, 13	11	233.4 (9.19)	85.1 (3.35)	95.5 (3.76)

Nº1 Shaft



Shaft 11
Splined Shaft

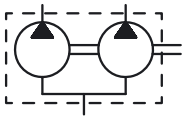
DATA SHEET

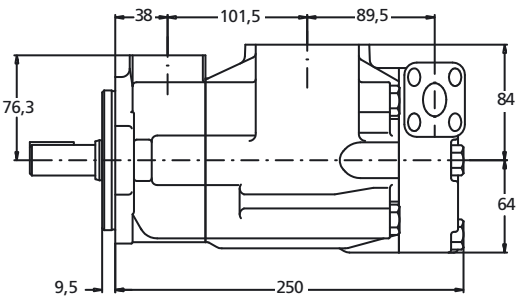
DOUBLE VANE PUMPS VS-43 Y VQ-43

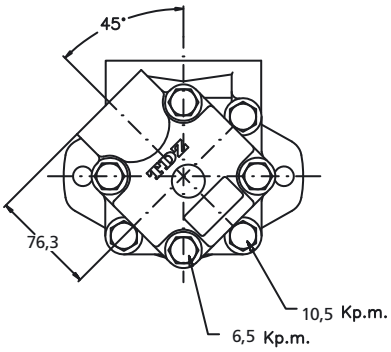
SHAFT END FLOW									SPEED(rpm)		PRES (BAR)		CONNECTION	
Lts.at 1000 rpm	32	40	45	55	60	67	80*	88*	Min.	Max.	Contin.	Intermit.	Inlet	Outlet
Gal.at 1200 rpm	10	12	14	17	19	21	24*	27*	600	2500*	175	210*	Ø2.5"	Ø1"

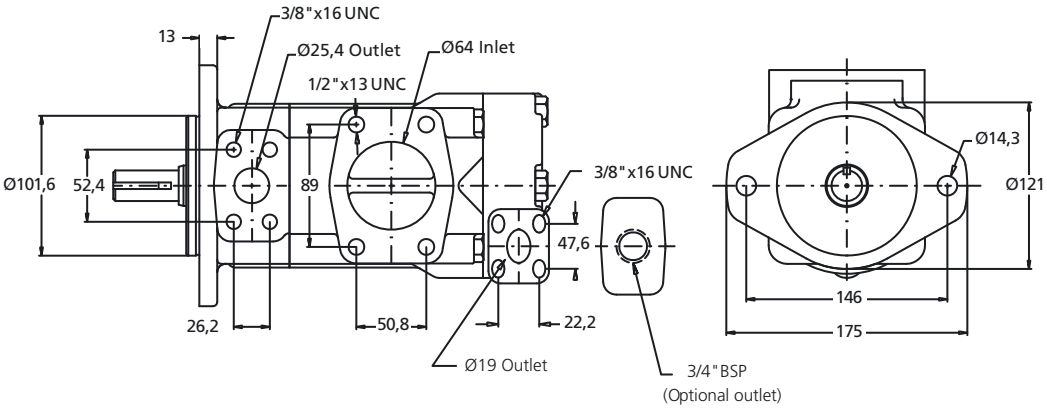
COVER END FLOW								SPEED (rpm)		PRES (BAR)		CONNECTION	
Lts.at 1000 rpm	8	18	27	29	36	39	46	Min.	Max.	Contin.	Intermit.	Inlet	Outlet
Gal.at 1200 rpm	2	5	8	9	11	12	14	600	2500	175	210	Ø2.5"	Ø 3/4"

DIMENSIONS IN MILLIMETERS 1" = 25.4 mm

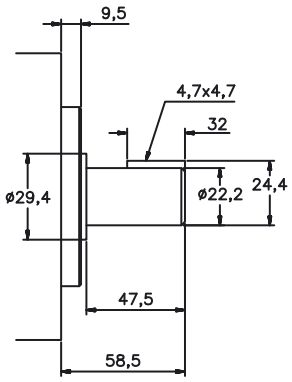




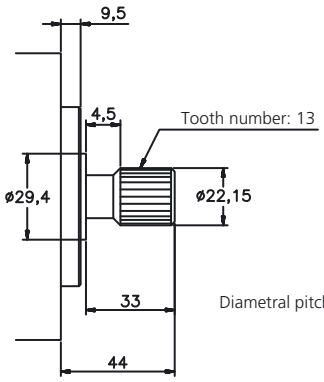




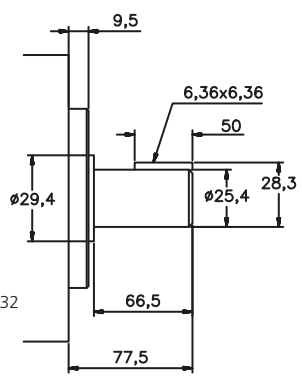
N°1 Shaft



N°11 Shaft



N°86 Shaft



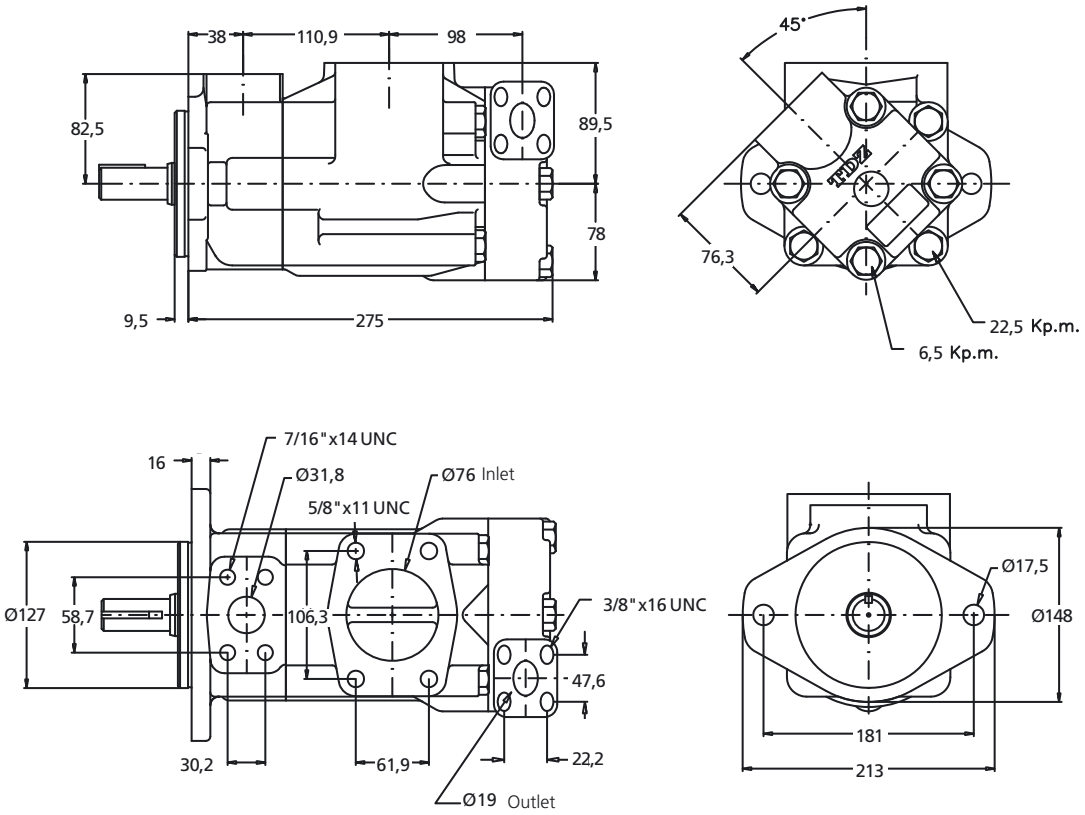
Different shafts are available

DOUBLE VANE PUMPS VS-63 Y VQ-63

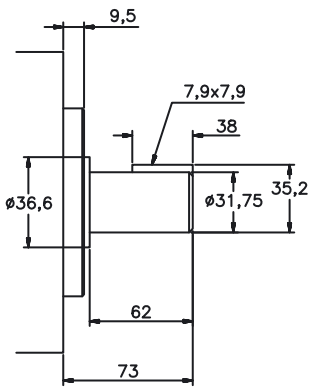
SHAFT END FLOW							SPEED (rpm)		PRES (BAR)		CONNECTION	
Lts.at 1000 rpm	66	81	97	112	121	142*	Min.	Max.	Contin.	Intermit.	Inlet	Outlet
Gal.at 1200 rpm	21	25	30	35	38	45*	600	2400*	175	210*	Ø3"	Ø1.25"

COVER END FLOW								SPEED (rpm)		PRES (BAR)		CONNECTION	
Lts.at 1000 rpm	8	18	27	29	36	39	46	Min.	Max.	Contin.	Intermit.	Inlet	Outlet
Gal.at 1200 rpm	2	5	8	9	11	12	14	600	2500	175	210	Ø3"	Ø 3/4"

DIMENSIONS IN MILLIMETERS 1" = 25.4 mm



N°1 Shaft



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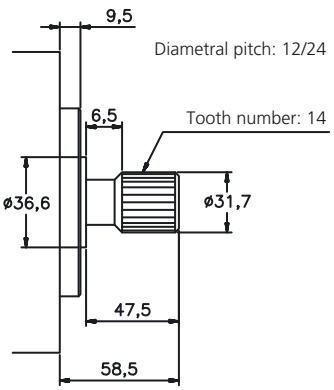
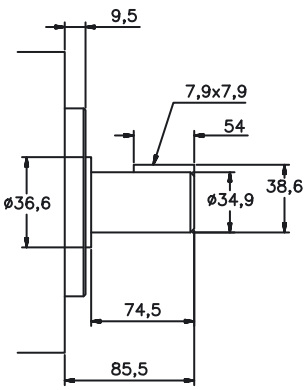


N°86 Shaft



Enquire about other types of shafts

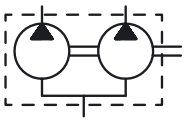
DATA SHEET

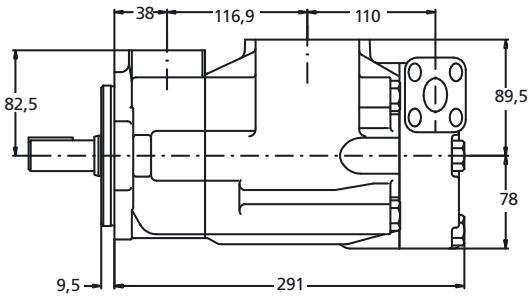
DOUBLE VANE PUMPS VS-64 Y VQ-64

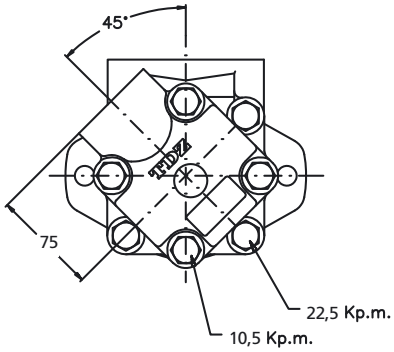
SHAFT END FLOW							SPEED (rpm)		PRES (BAR)		CONNECTION	
Lts.at 1000 rpm	66	81	97	112	121	142*	Min.	Max.	Contin.	Intermit.	Inlet	Outlet
Gal.at 1200 rpm	21	25	30	35	38	45*	600	2400*	175	210*	Ø3"	Ø1.25"

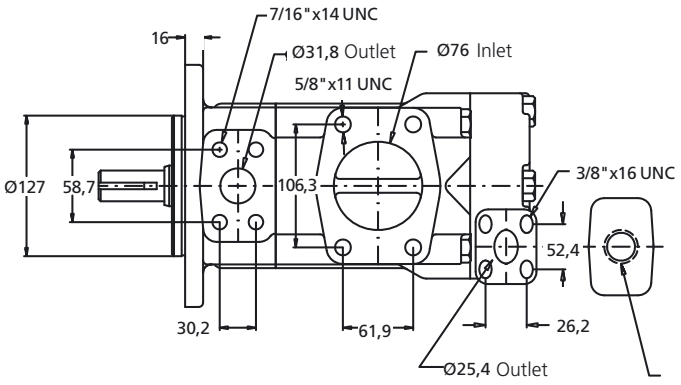
COVER END FLOW								SPEED(rpm)		PRES (BAR)		CONNECTION	
Lts.at 1000 rpm	32	40	45	55	60	67	80*	88*	Min.	Max.	Contin.	Intermit.	Inlet	Outlet
Gal.at 1200 rpm	10	12	14	17	19	21	24*	27*	600	2500*	175	210*	Ø3"	Ø1"

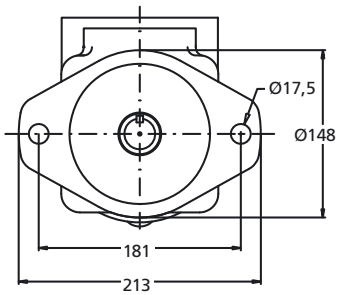
DIMENSIONS IN MILLIMETERS 1" = 25.4 mm



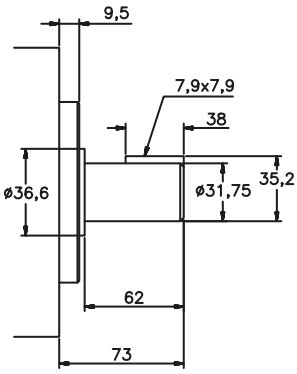




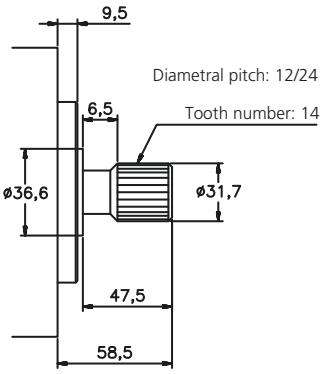




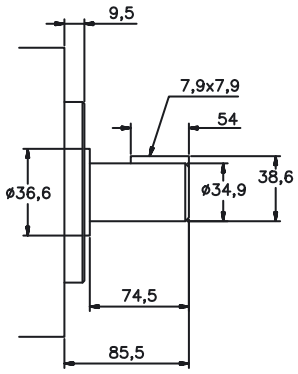
N°1 Shaft



N°11 Shaft



N°86 Shaft



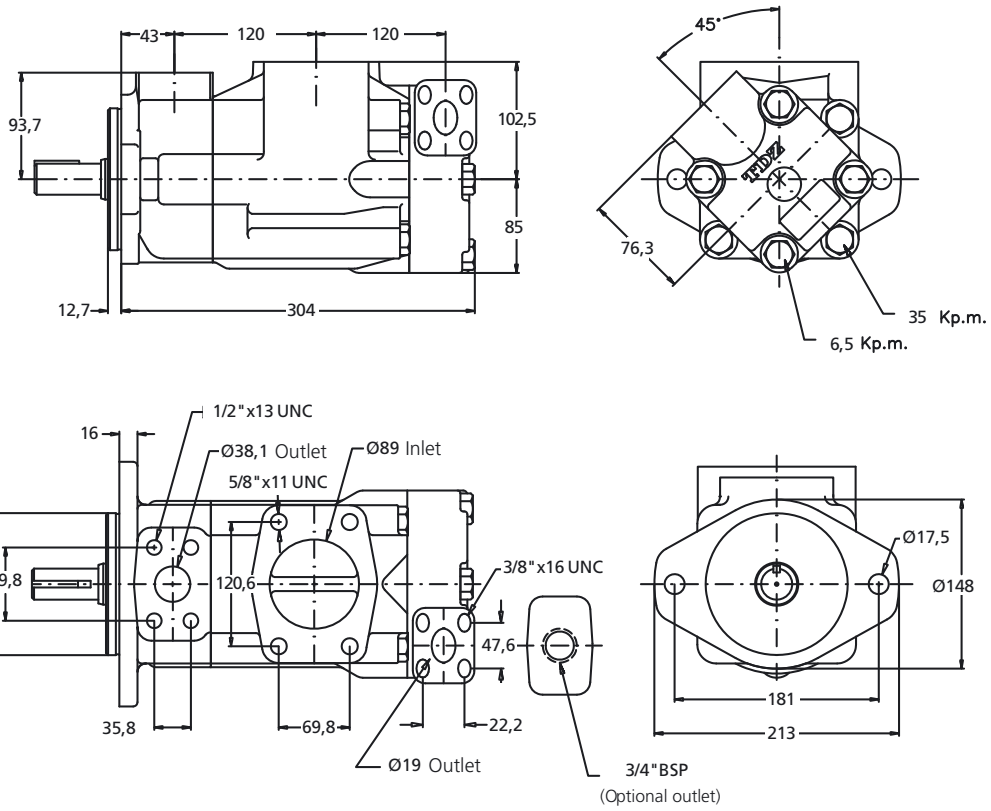
Enquire about other types of shafts

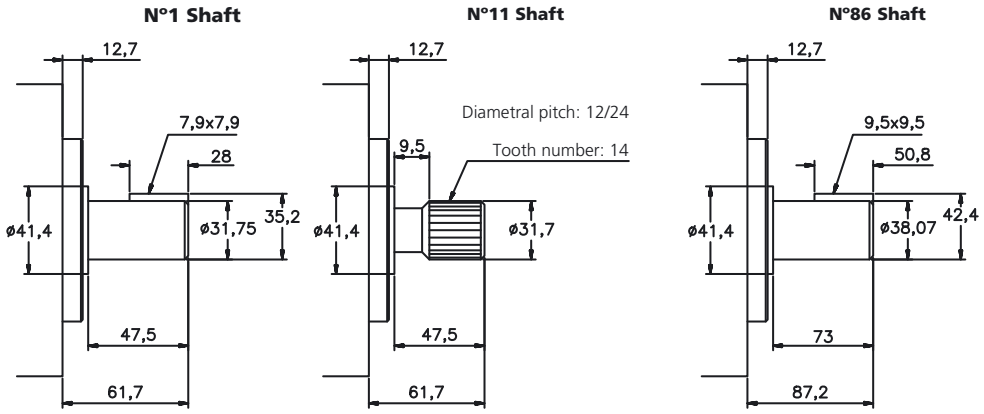
DOUBLE VANE PUMPS VS-73 Y VQ-73

SHAFT END FLOW								SPEED(rpm)		PRES(BAR)		CONNECTION	
Lts.a 1000 rpm	138	148	162	180	193	214	240	Mín.	Máx.	Contin.	Intermit.	Inlet	Outlet
Gal. a 1200 rpm	**42**	**47**	**50**	**57**	**60**	**67**	**75**	600	2200*	155	175	Ø3.5"	Ø1.5"

COVER END FLOW								SPEED (rpm)		PRES (BAR)		CONNECTION	
Lts.at 1000 rpm	8	18	27	29	36	39	46	Min.	Max.	Contin.	Intermit.	Inlet	Outlet
Gal.at 1200 rpm	2	5	8	9	11	12	14	600	2500	175	210	Ø3.5"	Ø 3/4"

DIMENSIONS IN MILLIMETERS 1" = 25.4 mm





Enquire about other types of shafts

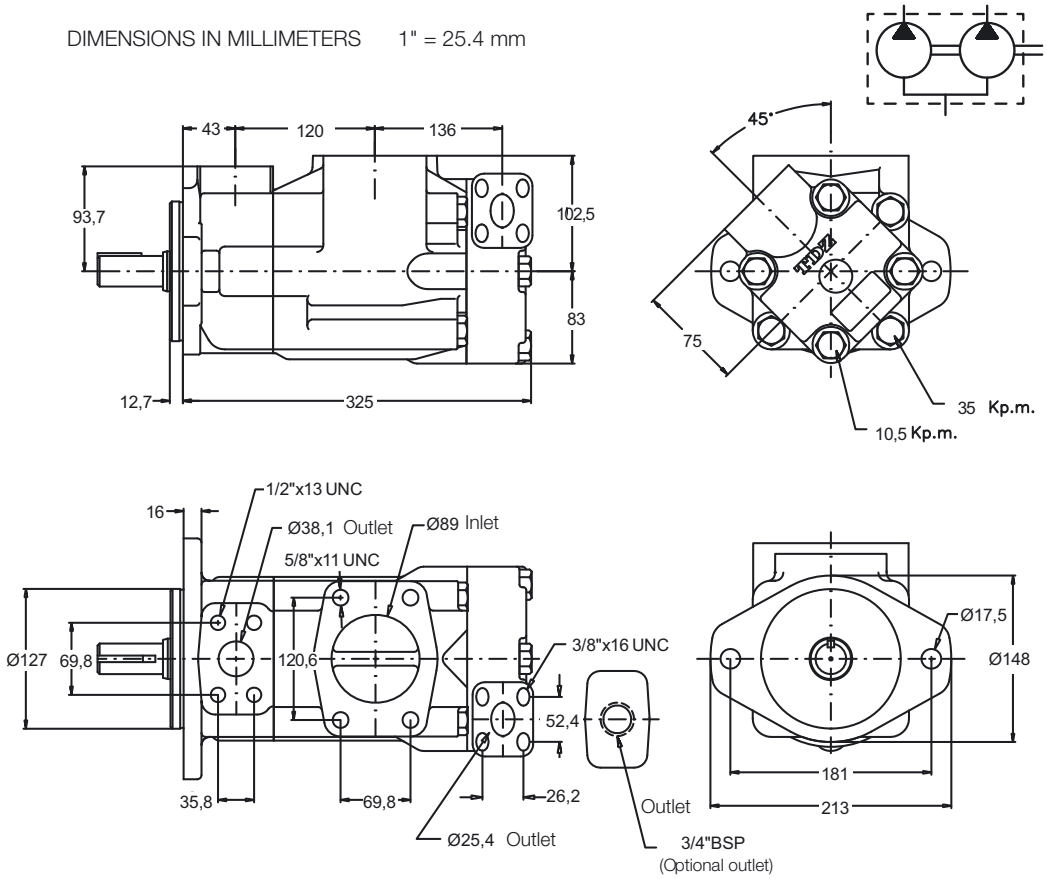
DATA SHEET

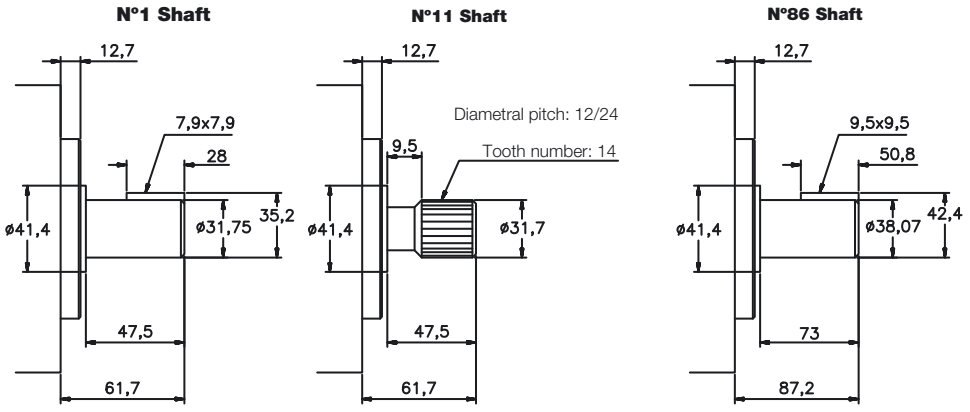
DOUBLE VANE PUMPS VS-74 Y VQ-74

SHAFT END FLOW								SPEED (rpm)		PRES (BAR)		CONNECTION	
Lts.a 1000 rpm	138	148	162	180	193	214	240	Mín.	Máx.	Contin.	Intermit.	Inlet	Outlet
Gal. a 1200 rpm	**42**	**47**	**50**	**57**	**60**	**67**	**75**	600	2200*	155	175	Ø3.5"	Ø1.5"

COVER END FLOW									SPEED(rpm)		PRES (BAR)		CONNECTION	
Lts.at 1000 rpm	32	40	45	55	60	67	80*	88*	Min.	Max.	Contin.	Intermit.	Inlet	Outlet
Gal.at 1200 rpm	10	12	14	17	19	21	24*	27*	600	2500*	175	210*	Ø3.5"	Ø1"

DIMENSIONS IN MILLIMETERS 1" = 25.4 mm





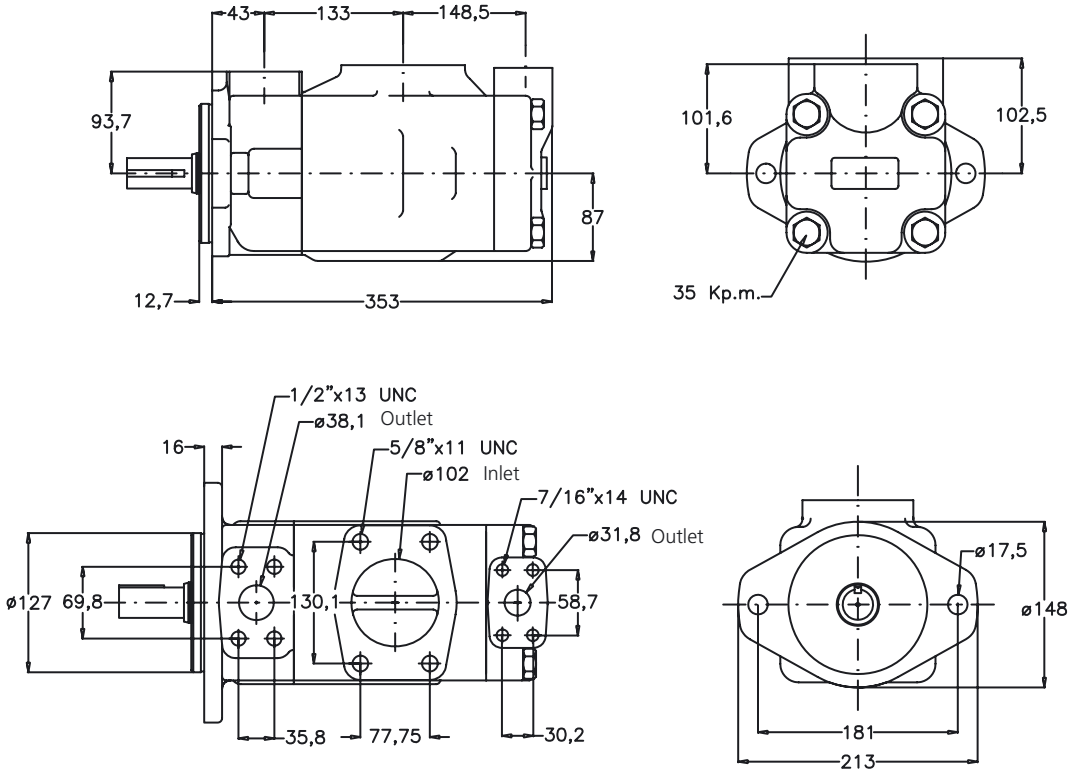
Enquire about other types of shafts

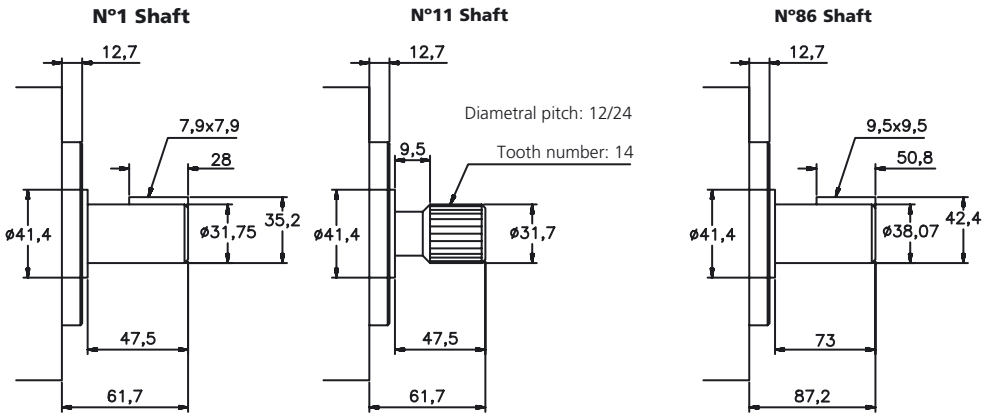
DOUBLE VANE PUMPS VS-76 Y VQ-76

SHAFT END FLOW								SPEED (rpm)		PRES (BAR)		CONNECTION	
Lts.a 1000 rpm	138	148	162	180	193	214	240	Mín.	Máx.	Contin.	Intermit.	Inlet	Outlet
Gal. a 1200 rpm	**42**	**47**	**50**	**57**	**60**	**67**	**75**	600	2200*	155	175	Ø4"	Ø1.5"

COVER END FLOW							SPEED (rpm)		PRES (BAR)		CONNECTION	
Lts.at 1000 rpm	66	81	97	112	121	142*	Min.	Max.	Contin.	Intermit.	Inlet	Outlet
Gal.at 1200 rpm	21	25	30	35	38	45*	600	2400*	175	210*	Ø4"	Ø1.25"

DIMENSIONS IN MILLIMETERS 1 " = 25.4 mm

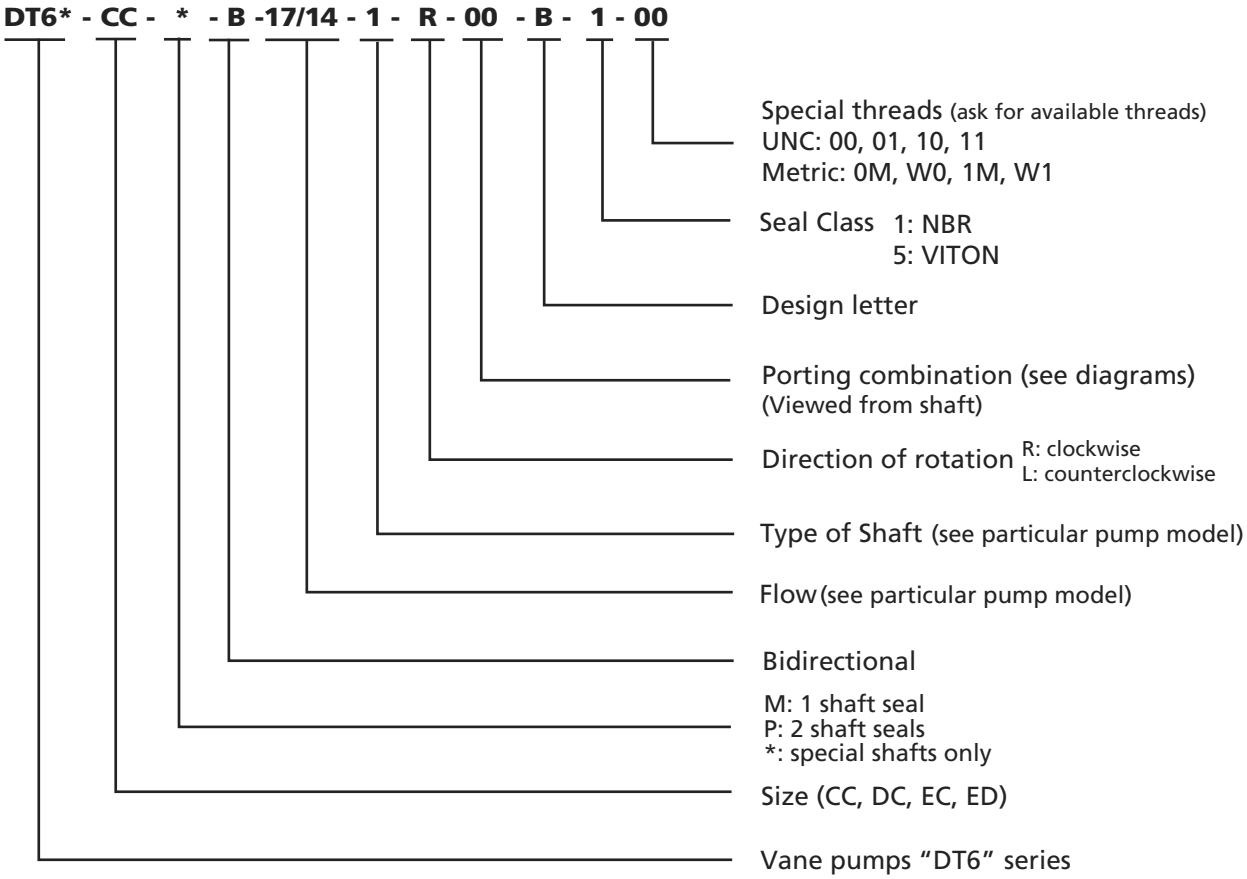




Enquire about other types of shafts

DATA SHEET

DT6 DOUBLE VANE PUMPS ORDERING CODE



GENERAL CHARACTERISTICS

GENERAL CHARACTERISTICS

DOUBLE VANE PUMP S

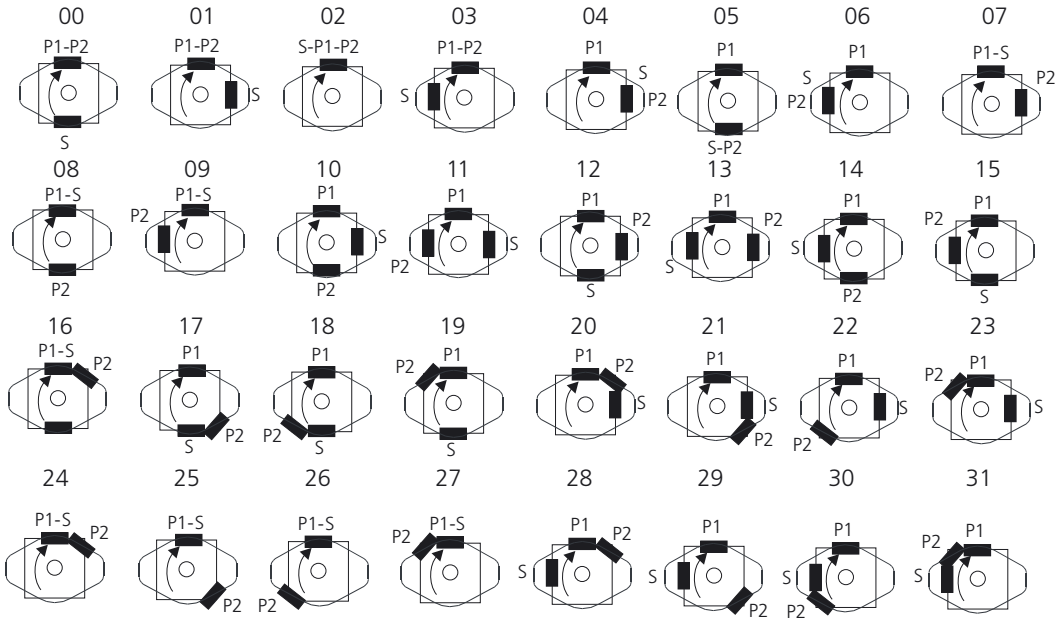
Pump Model	P1			P2			Maxim. speed*	Minim. speed	Front flange standard SAE j744c ISO 3019-1	Weight Kgs	SAE 4 Holes flange		
	Cartridge Model	Theoretical displacement Cm^3/rev	Maxim. Pressure Bar	Cartridge Model	Theoretical displacement Cm^3/rev	Maxim. Pressure* Bar					Suction S	Pressure P1	Pressure P2
DT6CC/M	003 a 031	10.8 a 100	275	003 a 031	10.8 a 100	275	2800	500	SAE B	26	2 ½" ó 3"	1"	1" ó 3/4"
DT6DC/M	014 a 061	47.6 a 190.5	240	003 a 031	10.8 a 100	275	2800	500	SAE C	37	3"	1 1/4"	1"
DT6EC/M	042 a 085	132.3 a 269.8	240	003 a 031	10.8 a 100	275	2200	500	SAE C	55	3 ½"	1 ½"	1"
DT6ED/M	042 a 085	132.3 a 268.8	240	014 a 061	47.6 a 190.5	240	2200	500	SAE C	66	4"	1 ½"	1"

*IMPORTANT

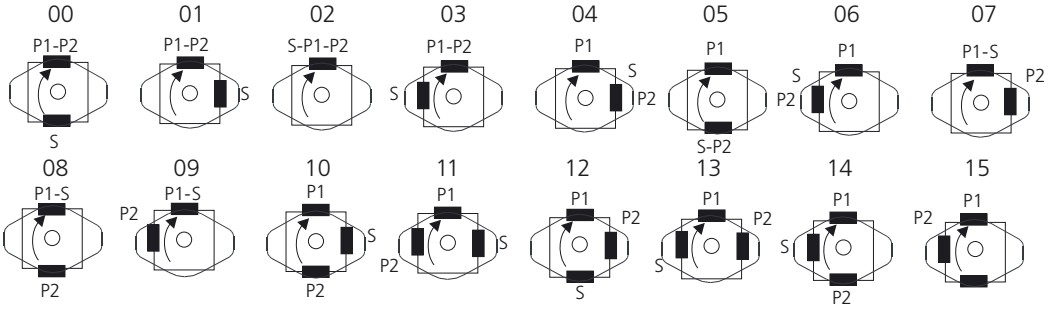
C - 025,028,031 - 2500 rpm maximum 028,031 - 210 bar max intermitent
D - 042,045,050 - 2200 rpm maximum 050 - 210 bar maximum intermitent - 061 - 120 bar maximum intermitent
E - 085 - 2000 rpm maximum - 90 bar maximum intermitent
See page 41 for further information about speed and pr essur e

Above mentioned values of maximum speed and maximum pressure are based on use of antiwear oil only. Please contact TDZ for particular values when different fluids are used, (synthetic fluids, water in oil emulsions, water glycol, etcetera)

DOUBLE VANE PUMPS - PORTING COMBINATION DT6CC-DT6DC-DT6EC



DOUBLE VANE PUMPS - PORTING COMBINATION DT6ED



S= Suction port | P1= Shaft end pressur e por t | P2= Cover end pressure port

DATA SHEET

DOUBLE PUMPS DT6CC - OPERATING CHARACTERISTICS

SHAFT END SECTION

FLOW														SPEED (rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	11	17	21	26	34	37	46	58	64	70	79	89	100	Mín.	Máx.	Intermit.	Contin.
Gal/min.at 1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	500	2800*	275	240*

*** See page 41 for further information about speed & pressure.**

COVER END SECTION

FLOW														SPEED (rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	11	17	21	26	34	37	46	58	64	70	79	89	100	Mín.	Máx.	Intermit.	Contin.
Gal/min.at 1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	500	2800*	275	240*

*** See page 41 for further information about speed & pressure.**

DT6CC - FLOW & INPUT POWER DIAGRAMS

SHAFT END

See **DT6C** Single Pumps for flow and input power diagrams (page 42)

COVER END

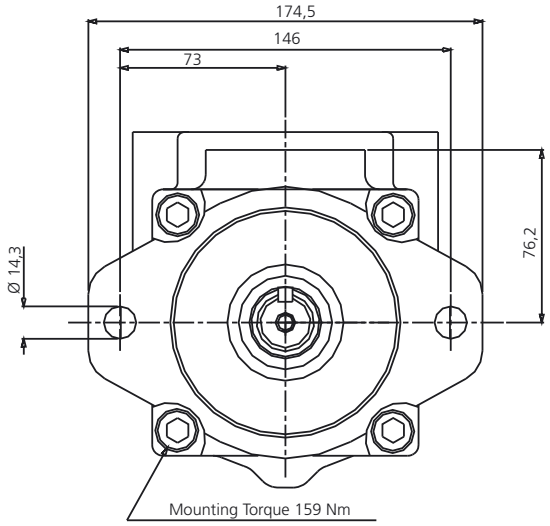
See **DT6C** Single Pumps for flow and input power diagrams (page 42)

DOUBLE PUMPS DT6CC - DIMENSIONS

DIMENSIONS IN MILLIMETERS. **1" = 25,4 mm**

Mounting W/connection variables

		P1 = 1" - S = 3"		P1 = 1" - S = 2 ½"	
P2		1"	¾"	1"	¾"
code	Unc	00	01	10	11
	Metric	0M	W0	1M	W1



Suction and pressure Port dimenssion variables.

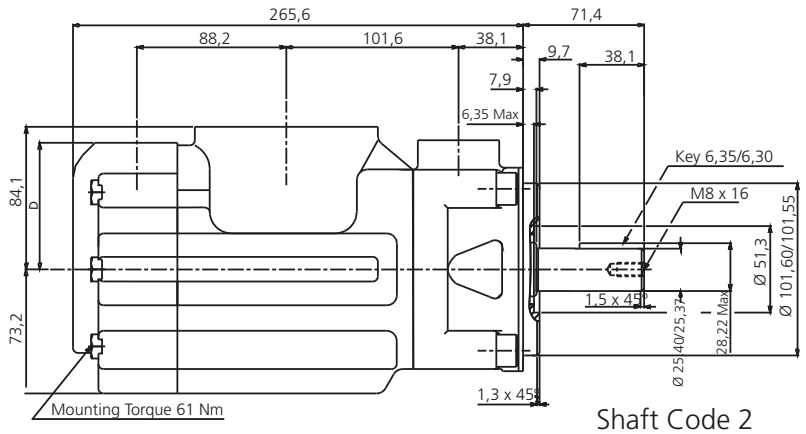
Thread	Port	A	B	C	D	E
S	3	106,4	61,9	76,2		5/8 -11UNC x 28,4 (M16 x 28.4)
S	2 ½	88,9	50,8	63,5		1/2 - 13UNC x 23,9 (M16 x 28.4)
P1	1	52,4	26,2	25,4	76,2	3/8 - 16UNC x 19 (M10 x 19)
P2	3/4	47,7	22,4	19,0	76,2	
P2	1	52,4	26,2	25,4	74,7	

***Add the following numbers at the end of the DT6CC reference depending your option.**

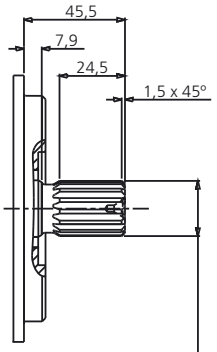
UNC / Metric	Code **00*** / Code **0M***	Code **01*** / Code **W0***	Code **10*** / Code **1M***	Code **11*** / Code **W1***
S	3	3	2 ½	2 ½
P1	1	1	1	1
P2	1	3/4	1	3/4

You may use suction S of 2 ½ for 126 cc/rev. maximum
You may use pressure port P2 of 3/4 for 46 cc/rev. maximum

Shaft torque limits cc/rev x bar		
Pump	Shaft code	V x P max (P1+P2)
DT6CC	1	14300
	2	21470
	3	32670
	5	20600

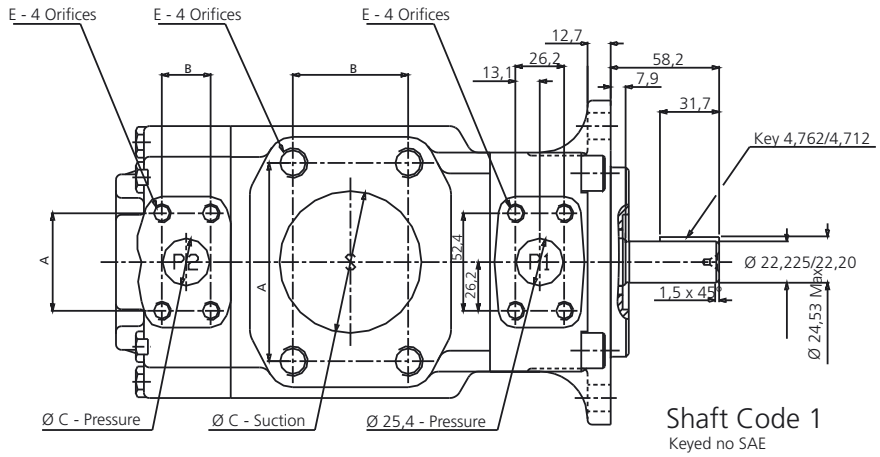


Shaft Code 2
SAE BB

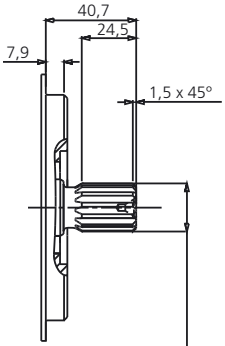


Shaft Code 3

SAE BB Splined shaft
1-J498b 16/32 d.p. -
15 Teeth
30° Pressure angle



Shaft Code 1
Keyed no SAE



Shaft Code 5

SAE B Splined shaft
1-J498b 16/32 d.p. -
13 Teeth
30° Pressure angle

DT6DC - OPERATING CHARACTERISTICS

SHAFT END SECTION

FLOW													SPEED (rpm)		PRESSURE (bar)	
Lts/min.at 1000	**rpm**	48	66	80	90	98	111	120	136	146	158	191	Mín.	Máx.	Intermit.	Contin.
Gal/min.at 1200	**rpm**	14	20	24	28	31	35	38	42	45	50	61	500	2500*	240	210

*** See page 41 for further information about speed & pressure.**

COVER END SECTION

FLOW													SPEED (rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	11	17	21	26	34	37	46	58	64	70	79	89	100	Mín.	Máx.	Intermit.	Contin.
Gal/min.at 1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	500	2800*	275	240*

*** See page 41 for further information about speed & pressure.**

DT6DC - FLOW & INPUT POWER DIAGRAMS

SHAFT END

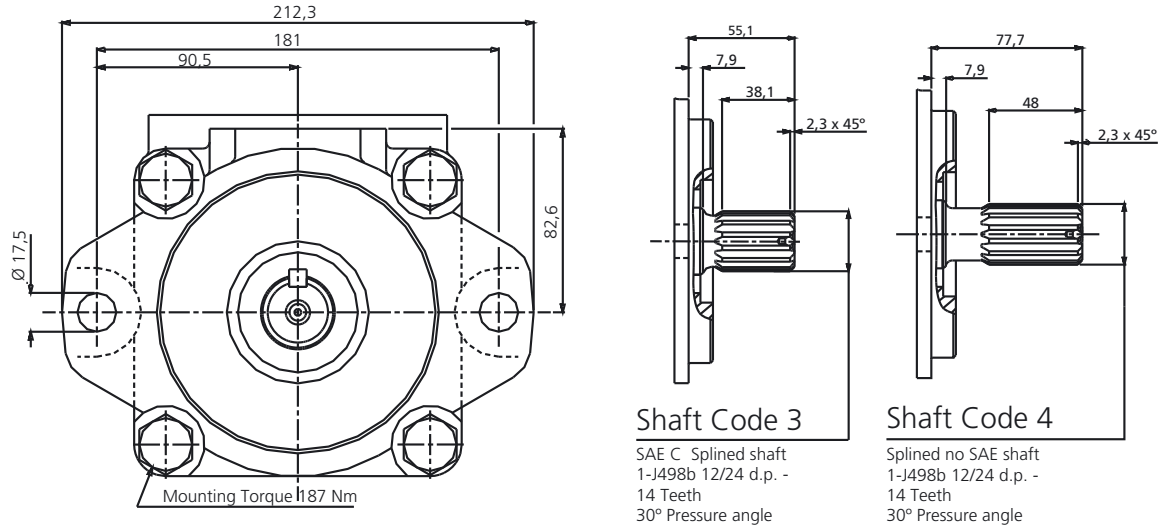
See **DT6D** Single Pumps for flow and input power diagrams (page 44)

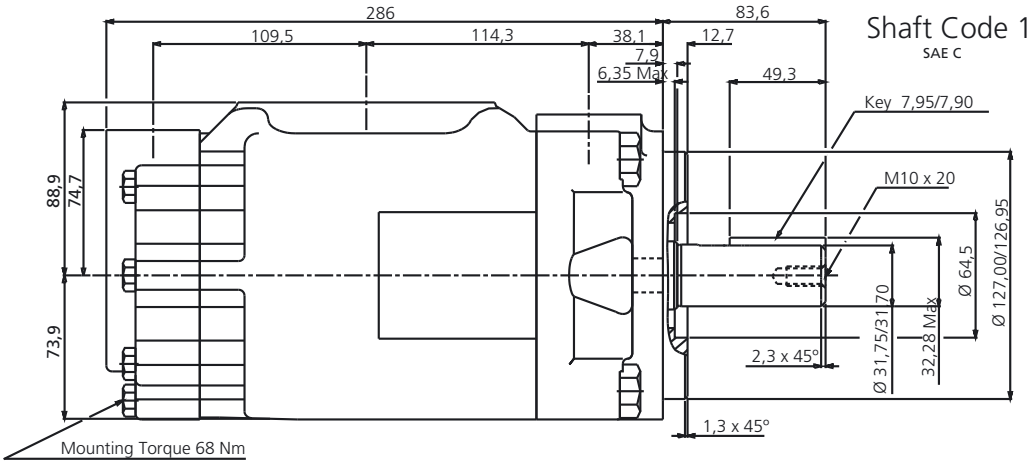
COVER END

See **DT6D** Single Pumps for flow and input power diagrams (page 42)

DOUBLE PUMPS DT6DC - DIMENSIONS

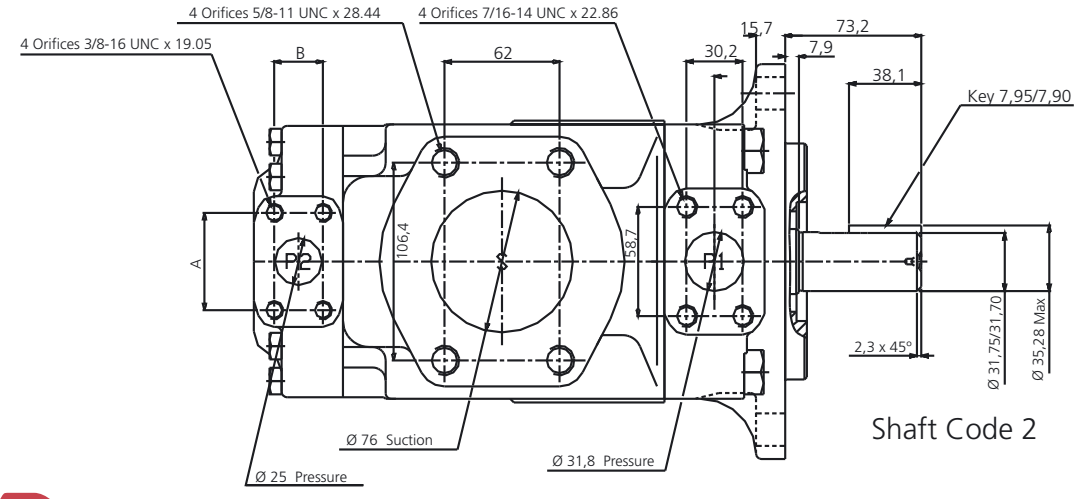
DIMENSIONS IN MILLIMETERS. **1" = 25,4 mm**





Mounting W/connection variables				
Port	Code	A	B	C
P2	**00 & M0**	52,4	26,2	25,4
P2	**01 & M1**	47,6	22,2	19,0

Shaft Torque Limits (cc/rev x bar)		
Pumps	Shaft code	V x P max (P1+P2)
DT6DC	1	43240
	2	38996



DATA SHEET

DT6EC - OPERATING CHARACTERISTICS

SHAFT END SECTION

FLOW									SPEED (rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	132	142	156	165	197	213	227	270	Mín.	Máx.	Intermit.	Contin.
Gal/min.at 1200 rpm	42	45	50	52	62	66	72	85	500	2200*	240	210

*** See page 41 for further information about speed & pressure.**

COVER END SECTION

FLOW													SPEED (rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	11	17	21	26	34	37	46	58	64	70	79	89	100	Mín.	Máx.	Intermit.	Contin.
Gal/min.at 1200 rpm	3	5	6	8	10	12	14	17	20	22	25	28	31	500	2800*	275	240*

*** See page 41 for further information about speed & pressure.**

DT6EC - FLOW & INPUT POWER DIAGRAMS

SHAFT END

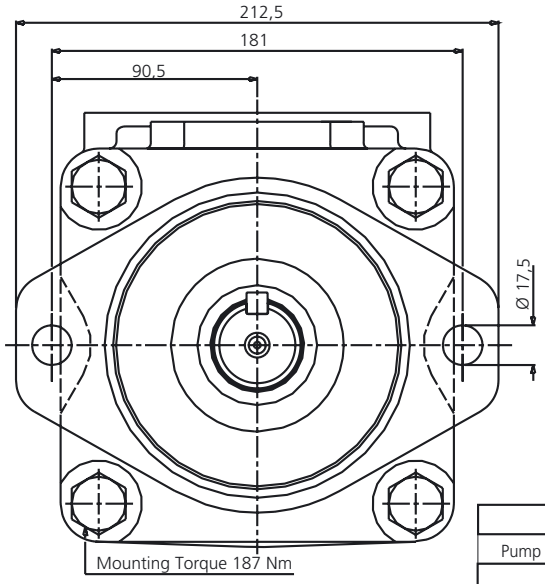
See **DT6E** Single Pumps for flow and input power diagrams (page 46)

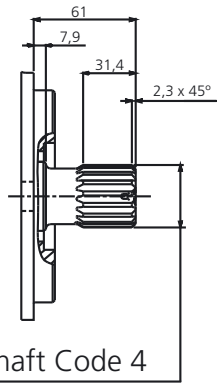
COVER END

See **DT6C** Single Pumps for flow and input power diagrams (page 42)

DOUBLE PUMPS DT6EC - DIMENSIONS

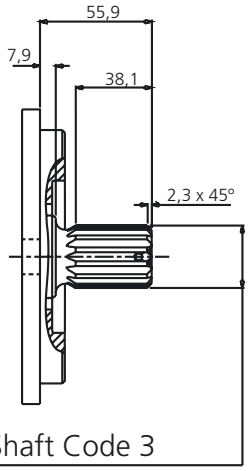
DIMENSIONS IN MILLIMETERS. **1" = 25,4 mm**





Shaft Code 4

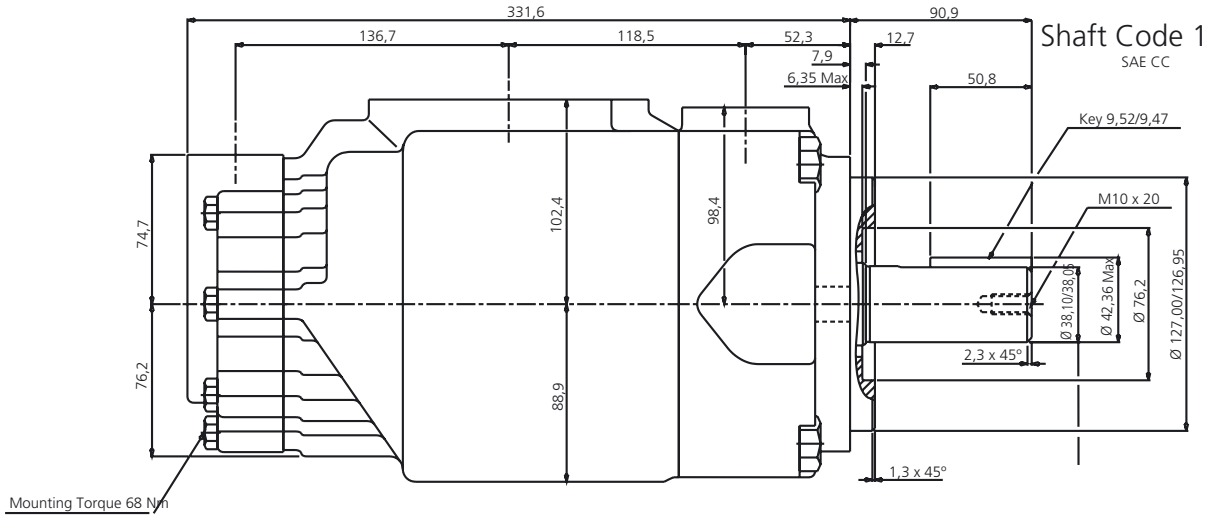
SAE CC Splined shaft
1-J498b 12/24 d.p. -
17 Teeth
30° Pressure angle



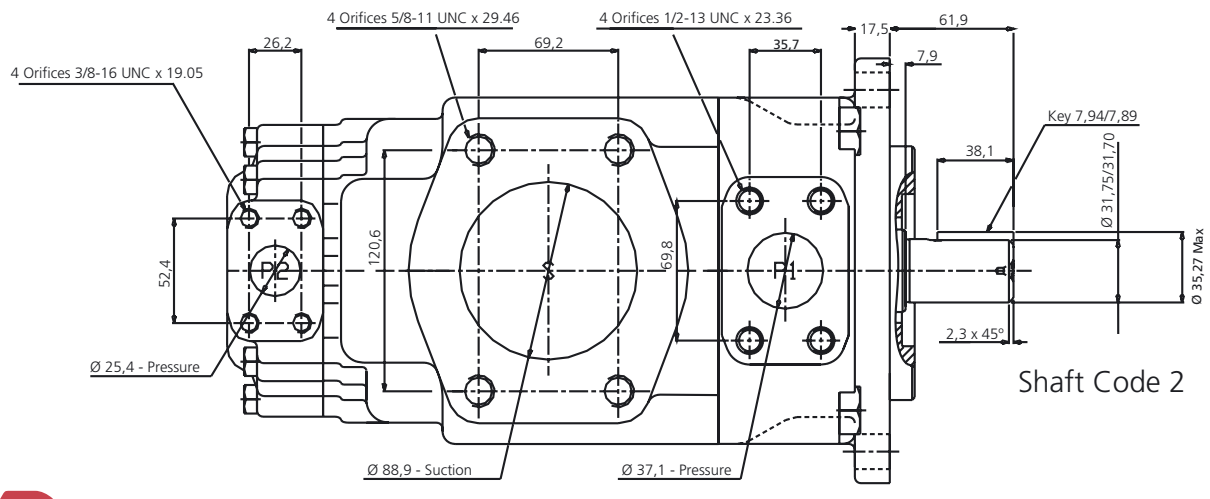
Shaft Code 3

SAE C Splined shaft
1-J498b 12/24 d.p. -
14 Teeth
30° Pressure angle

Shaft Torque Limits (cc/rev x bar)		
Pump	Shaft Code	V x P max (P1+P2)
DT6EC	1	72306
	2	34590
	3	61200



Shaft Code 1
SAE CC



Shaft Code 2

DATA SHEET

DT6ED - OPERATING CHARACTERISTICS

SHAFT END SECTION

FLOW									SPEED (rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	132	142	156	165	197	213	227	270	Mín.	Máx.	Intermit.	Contin.
Gal/min.at 1200 rpm	42	45	50	52	62	66	72	85	500	2200*	240	210

*** See page 41 for further information about speed & pressure.**

COVER END SECTION

FLOW											SPEED (rpm)		PRESSURE (bar)	
Lts/min.at 1000 rpm	48	66	80	90	98	111	120	136	146	158	191	Mín.	Máx.	Intermit.	Contin.
Gal/min.at 1200 rpm	14	20	24	28	31	35	38	42	45	50	61	500	2500*	240	210

*** See page 41 for further information about speed & pressure.**

DT6ED - FLOW & INPUT POWER DIAGRAMS

SHAFT END

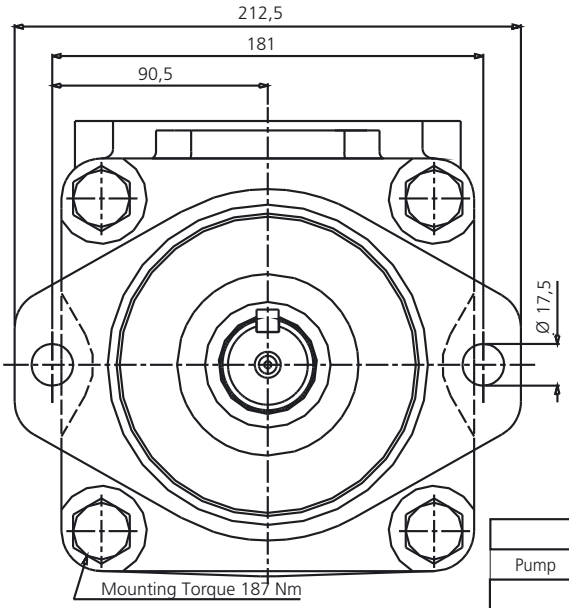
See **DT6E** Single Pumps for flow and input power diagrams (page 46)

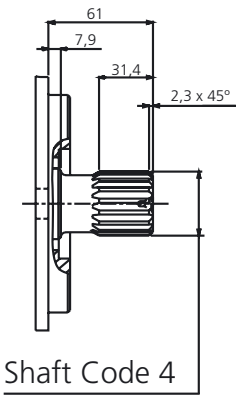
COVER END

See **DT6D** Single Pumps for flow and input power diagrams (page 44)

DOUBLE PUMPS DT6ED - DIMENSIONS

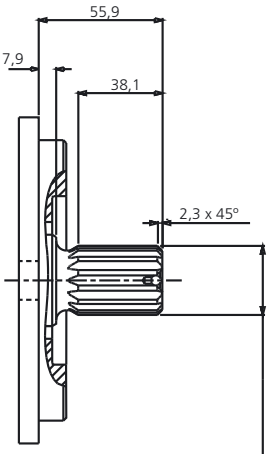
DIMENSIONS IN MILLIMETERS. **1" = 25,4 mm**





Shaft Code 4

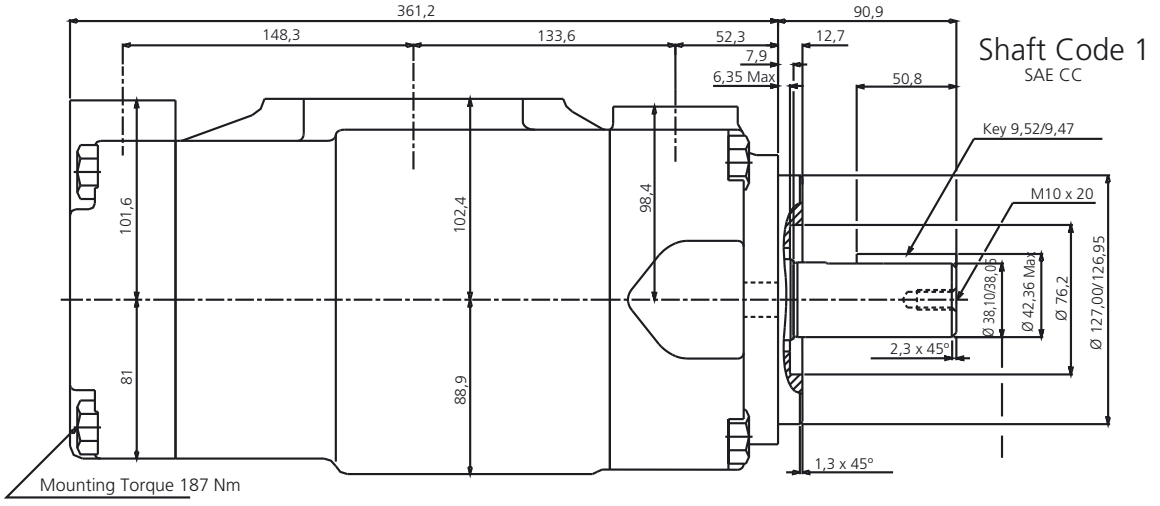
SAE CC Splined shaft
1-J498b 12/24 d.p. -
17 Teeth
30° Pressure angle



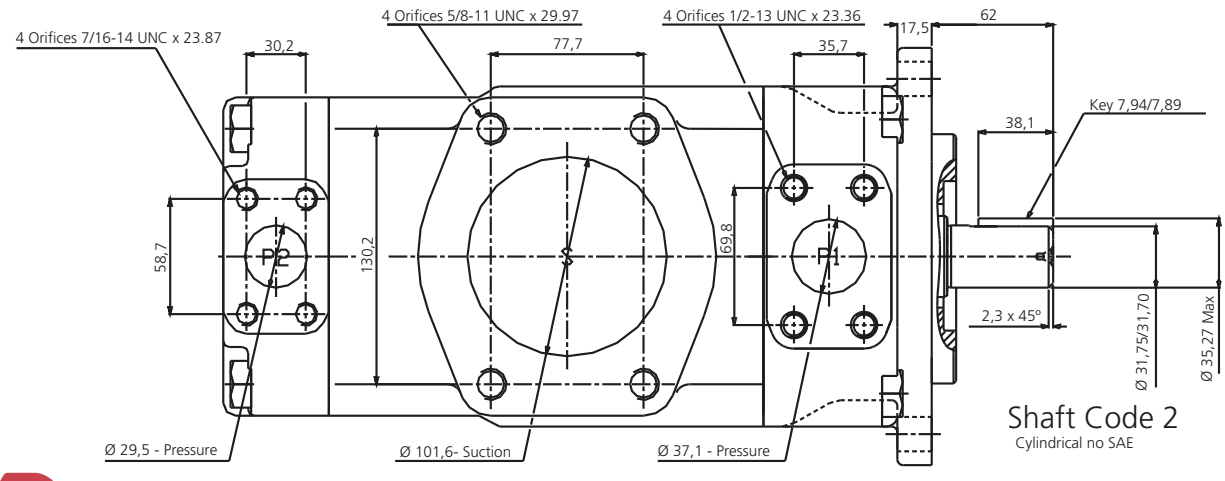
Shaft Code 3

SAE C Splined shaft
1-J498b 12/24 d.p. -
14 Teeth
30° Pressure angle

Shaft Torque Limits (cc/rev x bar)		
Pump	Shaft Code	V x P max (P1+P2)
DT6ED	1	72306
	2	34590
	3	61200



Shaft Code 1
SAE CC



Shaft Code 2
Cylindrical no SAE