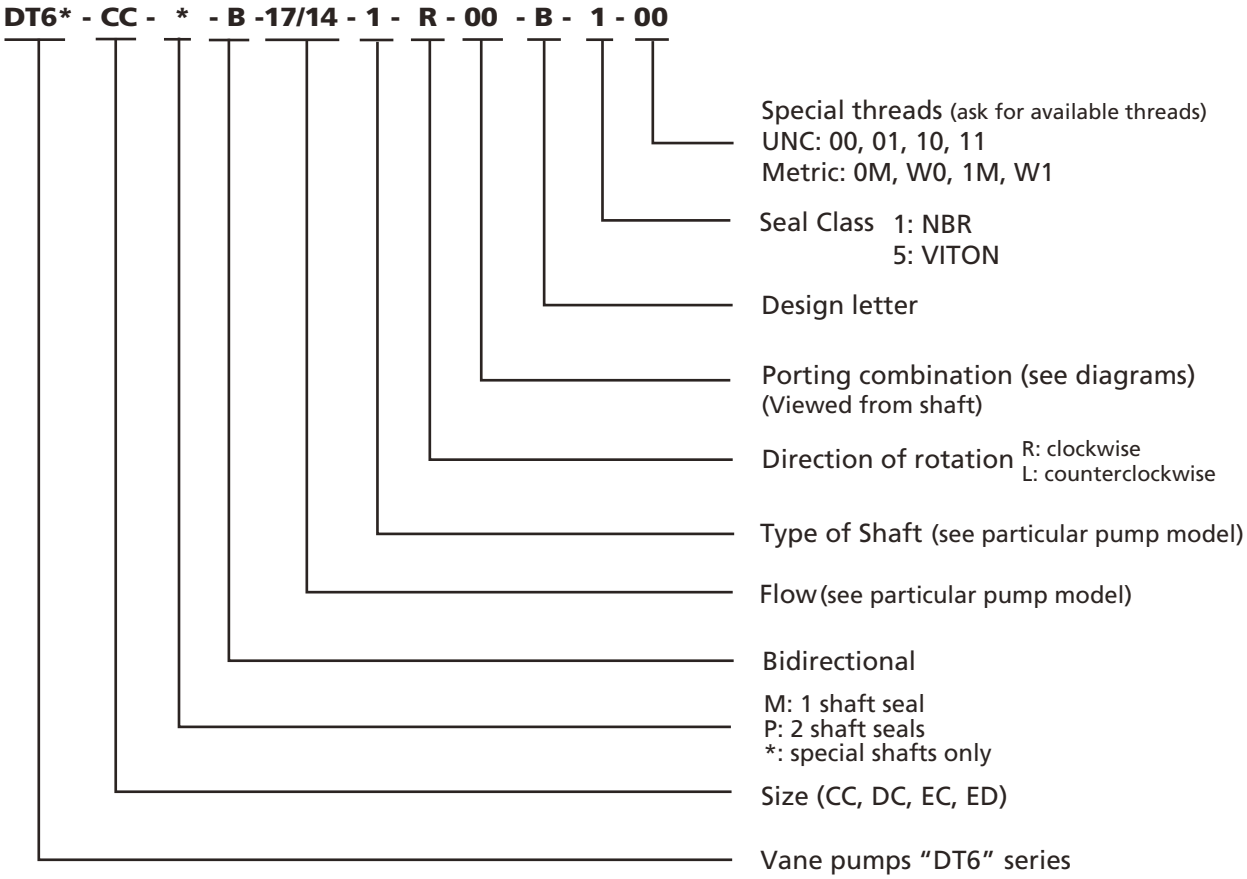
DATA SHEET

DT6 DOUBLE VANE PUMPS ORDERING CODE



GENERAL CHARACTERISTICS

GENERAL CHARACTERISTICS

DOUBLE VANE PUMPS

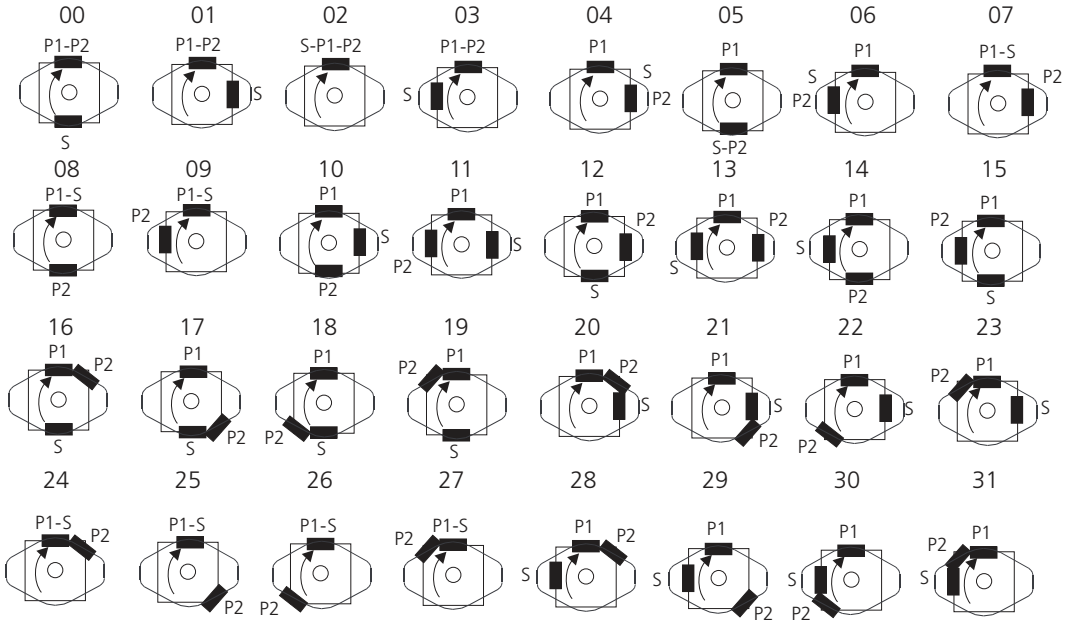
Pump Model	P1			P2			Maxim. speed*	Minim. speed	Front flange standard SAE j744c ISO 3019-1	Weight Kgs	SAE 4 Holes flange		
	Cartridge Model	Theoretical displacement Cm^3/rev	Maxim. Pressure Bar	Cartridge Model	Theoretical displacement Cm^3/rev	Maxim. Pressure* Bar					Suction S	Pressure P1	Pressure P2
DT6CC/M	003 a 031	11 a 100	275	003 a 031	11 a 100	275	2800	500	SAE B	26	2 ½"ó 3"	1"	1"ó 3/4"
DT6DC/M	014 a 061	48 a 191	240	003 a 031	11 a 100	275	2800	500	SAE C	37	3"	1 1/4"	1"
DT6EC/M	042 a 085	132 a 270	240	003 a 031	11 a 100	275	2200	500	SAE C	55	3 ½"	1 ½"	1"
DT6ED/M	042 a 085	132 a 269	240	014 a 061	48 a 191	240	2200	500	SAE C	66	4"	1 ½"	1"

*IMPORTANT

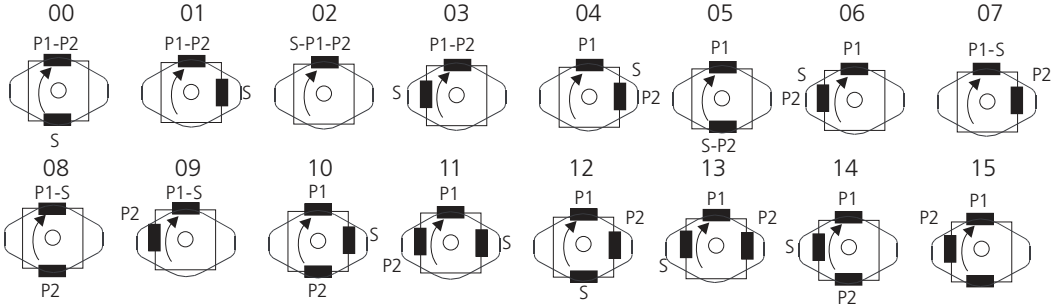
C - 025,028,031 - 2500 rpm maximum 028,031 - 210 bar max intermitent
D - 042,045,050 - 2200 rpm maximum 050 - 210 bar maximum intermitent - 061 - 120 bar maximum intermitent
E - 085 - 2000 rpm maximum - 90 bar maximum intermitent
See page 41 for further information about speed and pressure.

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 46)

COVER END

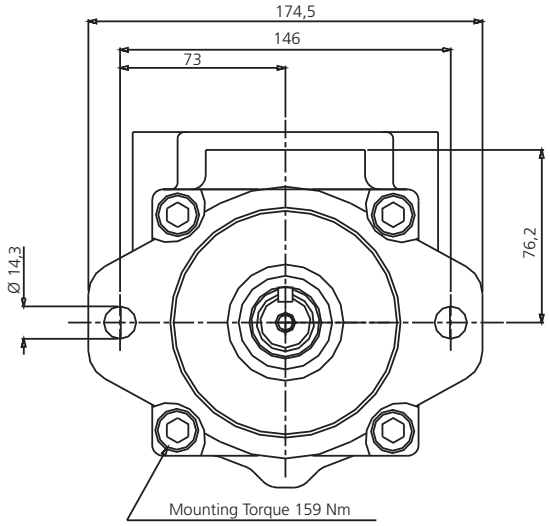
See **DT6C** Single Pumps for flow and input power diagrams (page 46)

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.

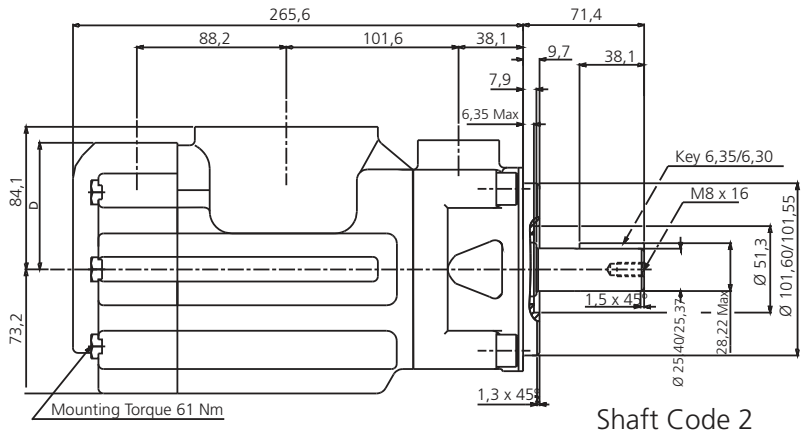
Thread	Port	A	B	C	D	E
S	3	106,4	61,9	76,2		5/8 -11UNC x 28,4 (M12 x 28.4)
S	2 ½	88,9	50,8	63,5		1/2 - 13UNC x 23,9 (M12 x 28.4)
P1	1	52,4	26,2	25,4	76,2	3/8 - 16UNC x 19 (M10 x 19)
P2	3/4	47,7	22,4	19,0	76,2	
P2	1	52,4	26,2	25,4	74,7	

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

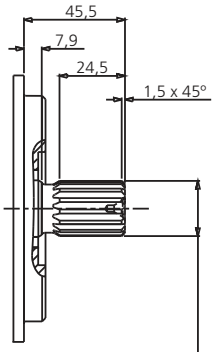
UNC / Metric	Code **00*** / Code **0M***	Code **01*** / Code **W0***	Code **10*** / Code **1M***	Code **11*** / Code **W1***
S	3	3	2 ½	2 ½
P1	1	1	1	1
P2	1	3/4	1	3/4

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

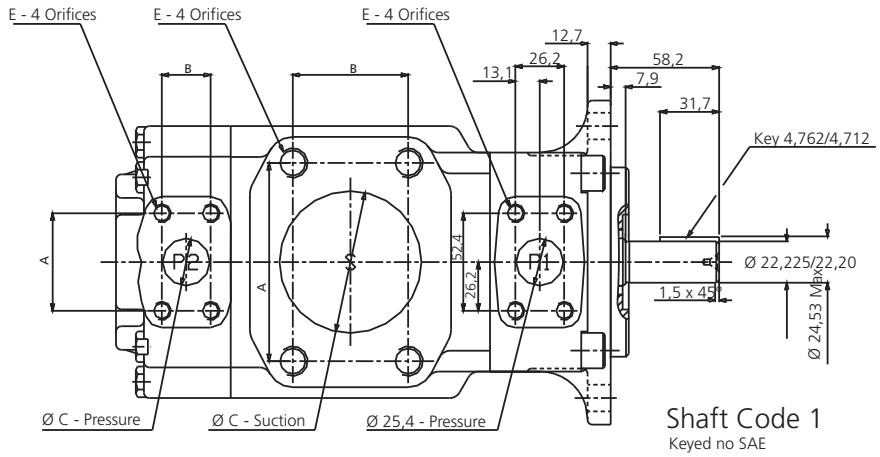


Shaft Code 2
SAE BB

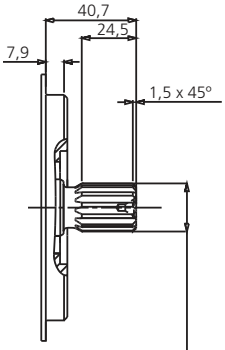


Shaft Code 3

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

DATA SHEET

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

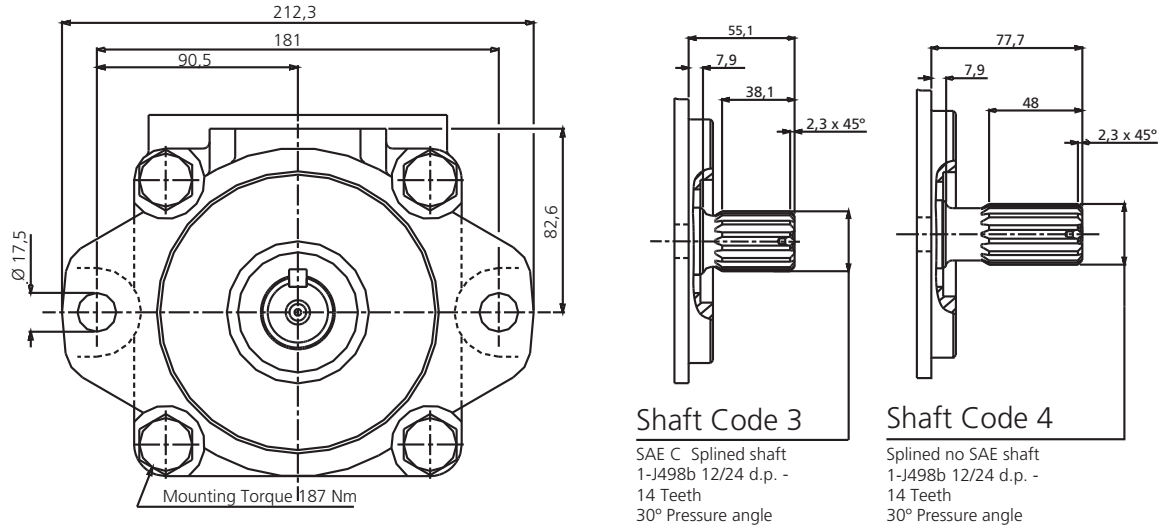
See **DT6D** Single Pumps for flow and input power diagrams (page 48)

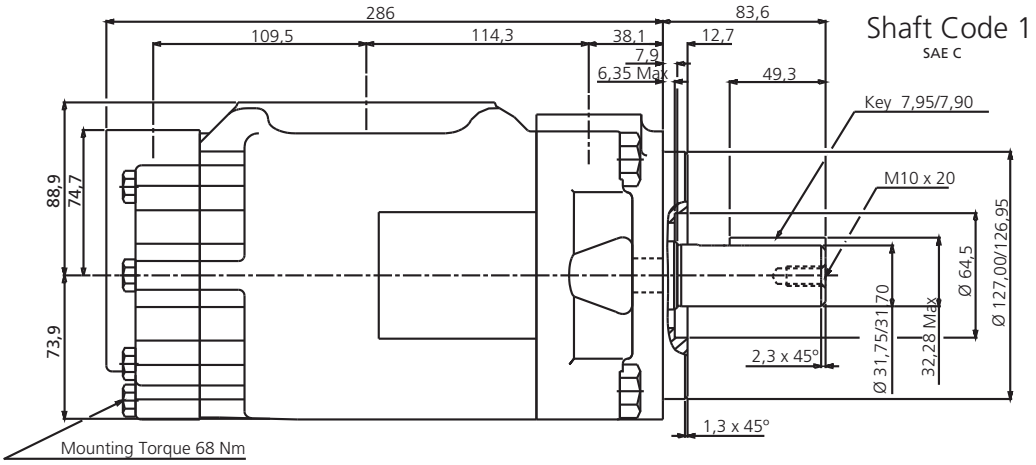
COVER END

See **DT6C** Single Pumps for flow and input power diagrams (page 46)

DOUBLE PUMPS DT6DC - DIMENSIONS

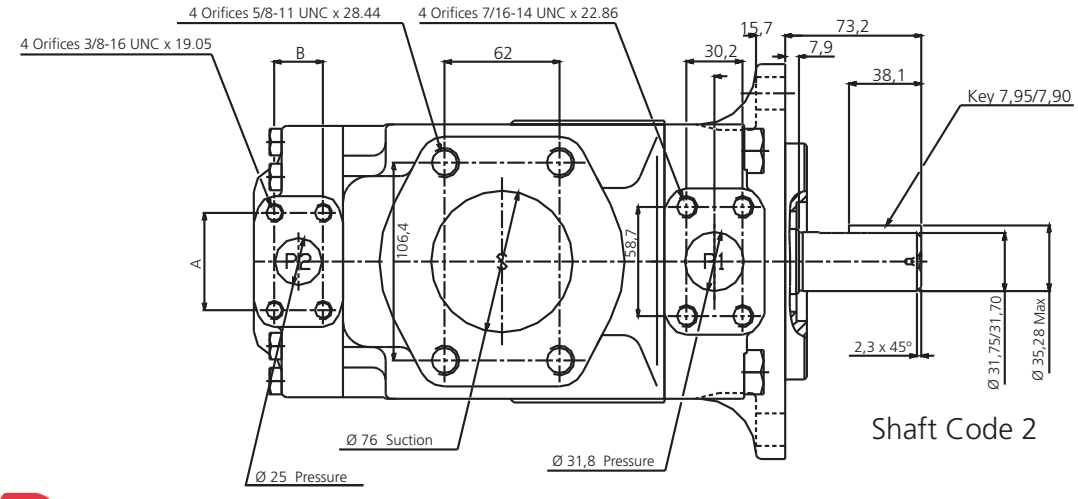
DIMENSIONS IN MILLIMETERS. **1" = 25,4 mm**





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

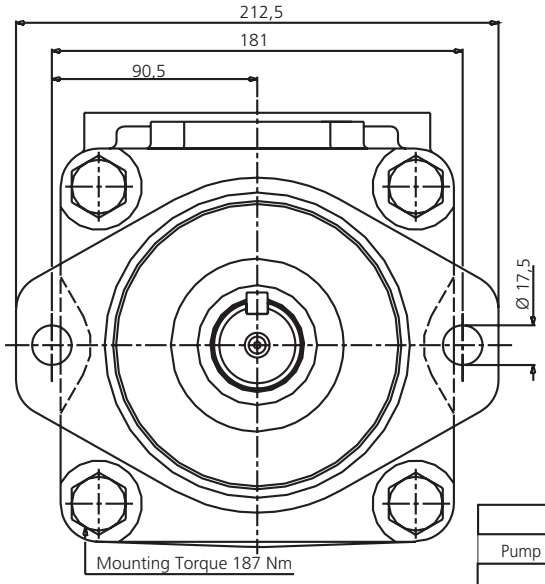
See **DT6E** Single Pumps for flow and input power diagrams (page 50)

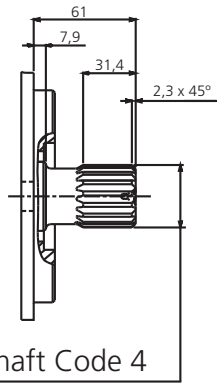
COVER END

See **DT6C** Single Pumps for flow and input power diagrams (page 46)

DOUBLE PUMPS DT6EC - DIMENSIONS

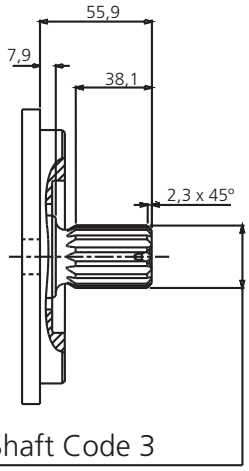
DIMENSIONS IN MILLIMETERS. **1" = 25,4 mm**





Shaft Code 4

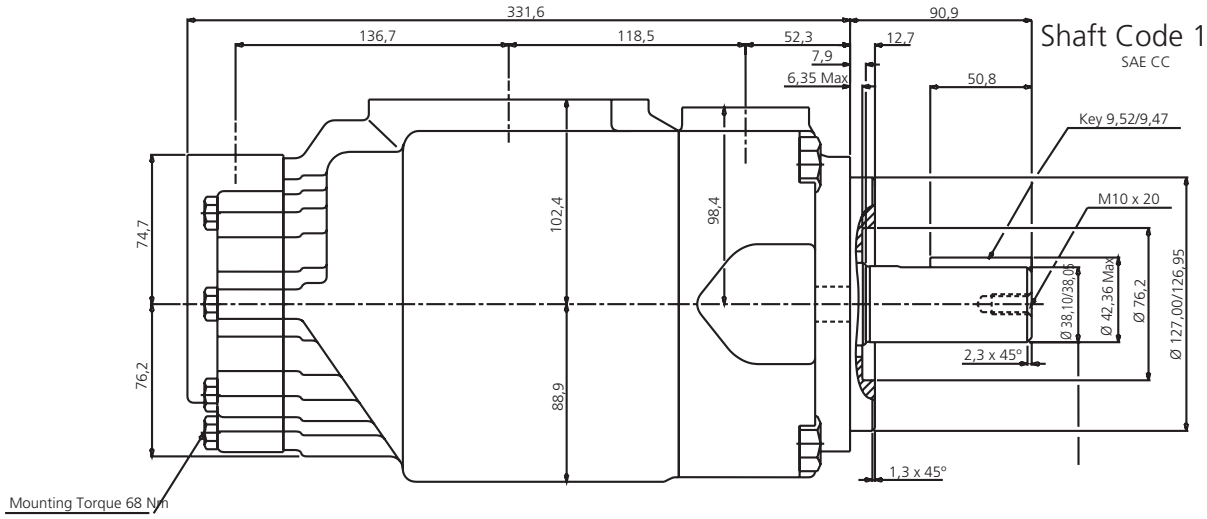
SAE CC Splined shaft
1-J498b 12/24 d.p. -
17 Teeth
30° Pressure angle



Shaft Code 3

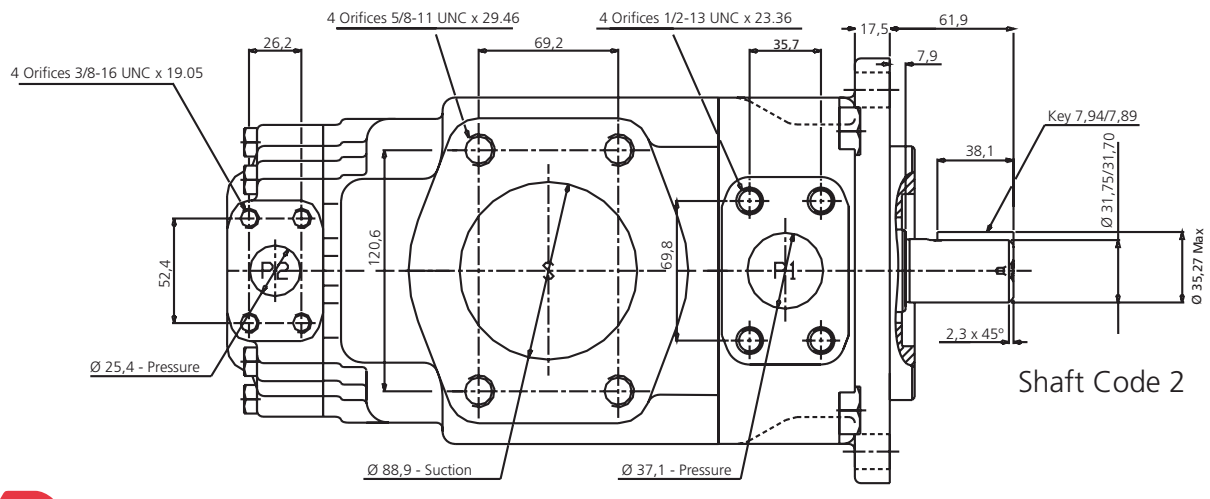
SAE C Splined shaft
1-J498b 12/24 d.p. -
14 Teeth
30° Pressure angle

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

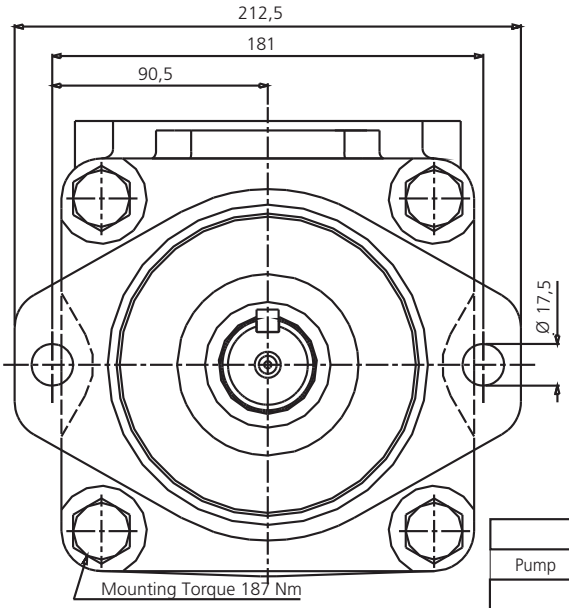
See **DT6E** Single Pumps for flow and input power diagrams (page 50)

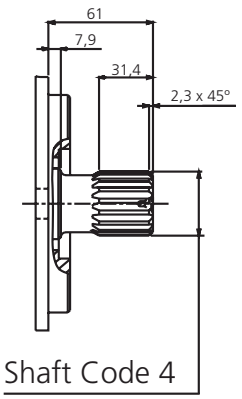
COVER END

See **DT6D** Single Pumps for flow and input power diagrams (page 48)

DOUBLE PUMPS DT6ED - DIMENSIONS

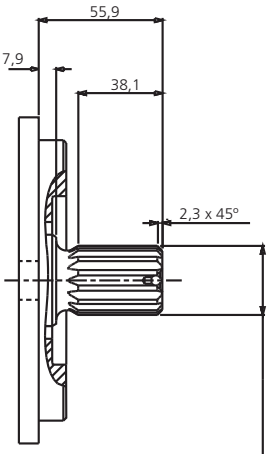
DIMENSIONS IN MILLIMETERS. **1" = 25,4 mm**





Shaft Code 4

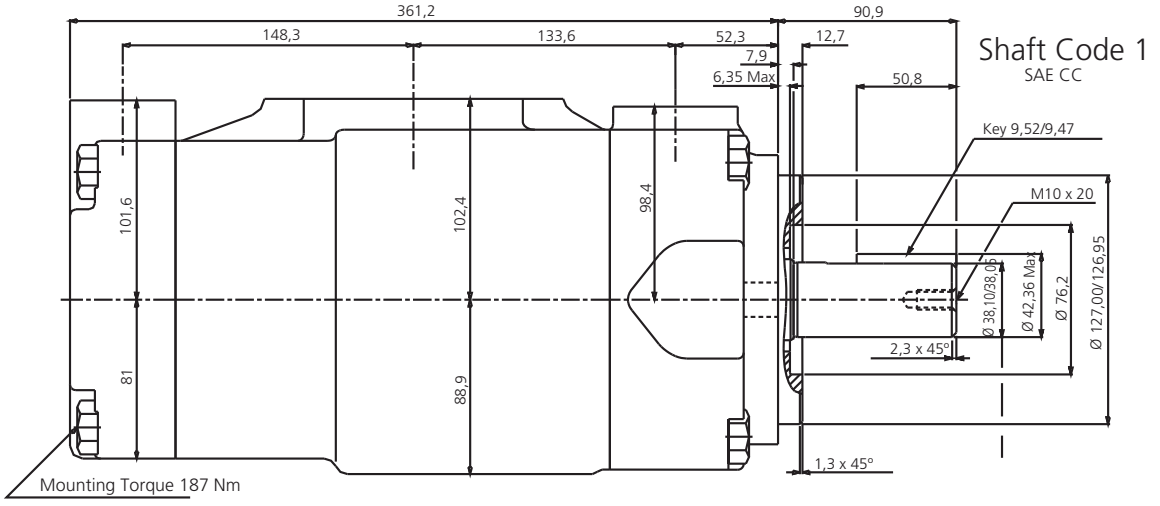
SAE CC Splined shaft
1-J498b 12/24 d.p. -
17 Teeth
30° Pressure angle



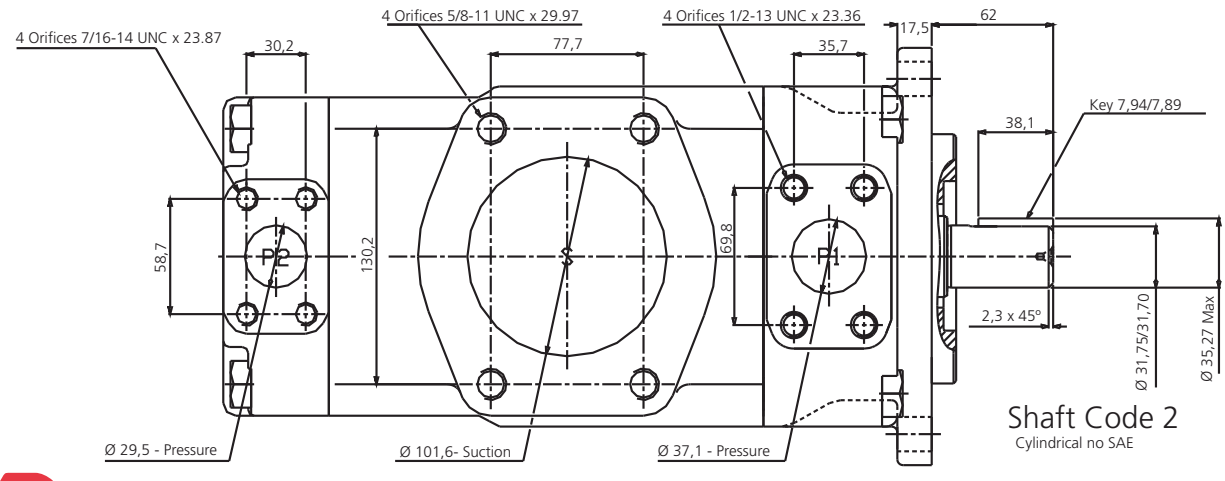
Shaft Code 3

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