



blue
ascend
hydraulics

blueascend.com

PRODUCT CATALOGUE





Blue Ascend Hydraulics was established in 2007 as part of the ASC Industry Group. The production facility is located on a total of 91.000 m² area with 40.000 m² of indoor area.

The production is focused on Hydraulic gear pumps, motors, and flow dividers. Both aluminum and cast iron body options are available with various shaft and flange combinations.

Blue Ascend is serving and supplying its product to various sectors such as Mobile, Industry, and Agriculture. Quality is a must when dealing with these sectors and the pump or motor has to complete its task flawlessly 24/7 even under extreme conditions.

In order to serve the hydraulic sector properly, Blue Ascend R&D team has developed a product with a different production mentality that assures a longer lifetime above the standards, higher volumetric and mechanical efficiencies.

PUMPS

FLOW
DIVIDERS

MOTORS

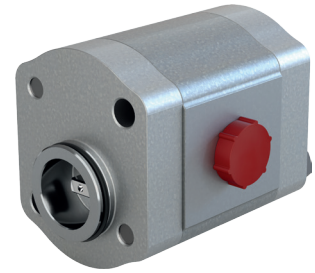
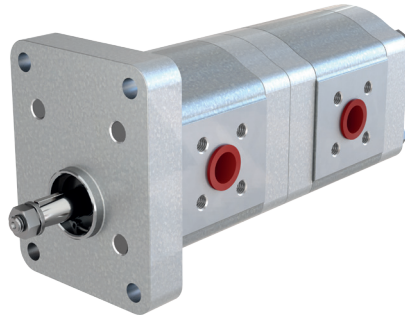
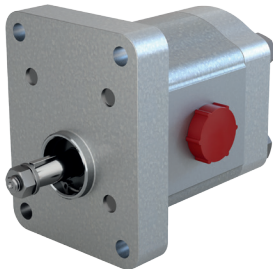
Blue Ascend does all the production processes in-house such as gear production, body production, heat treatment and production of other parts used in the final product. By doing this they gain complete control over the quality and assures stability.

One of the advantages Blue Ascend has that puts their product in the front line is their short production and delivery times. This is assured by the modern machine parkour and advanced semi-finished product stock management.

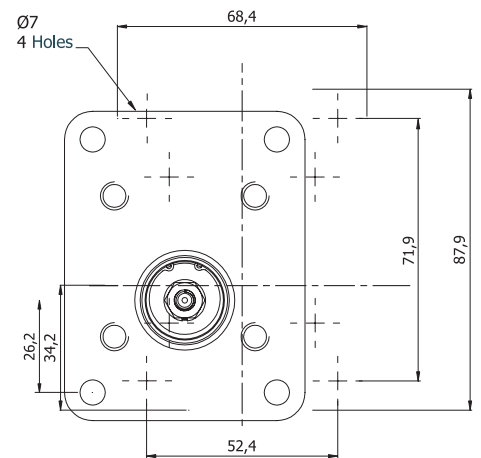
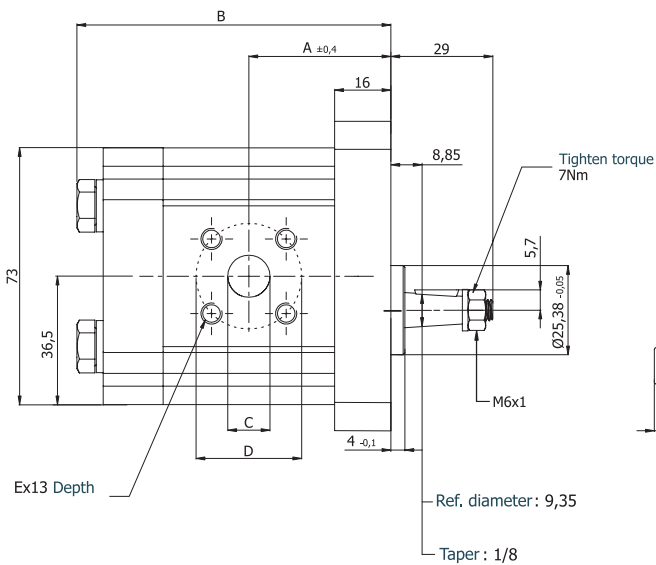
A complete quality control management system is present at Blue Ascend that gives them complete traceability from the first stage such as used raw material, production process, and final test reports.



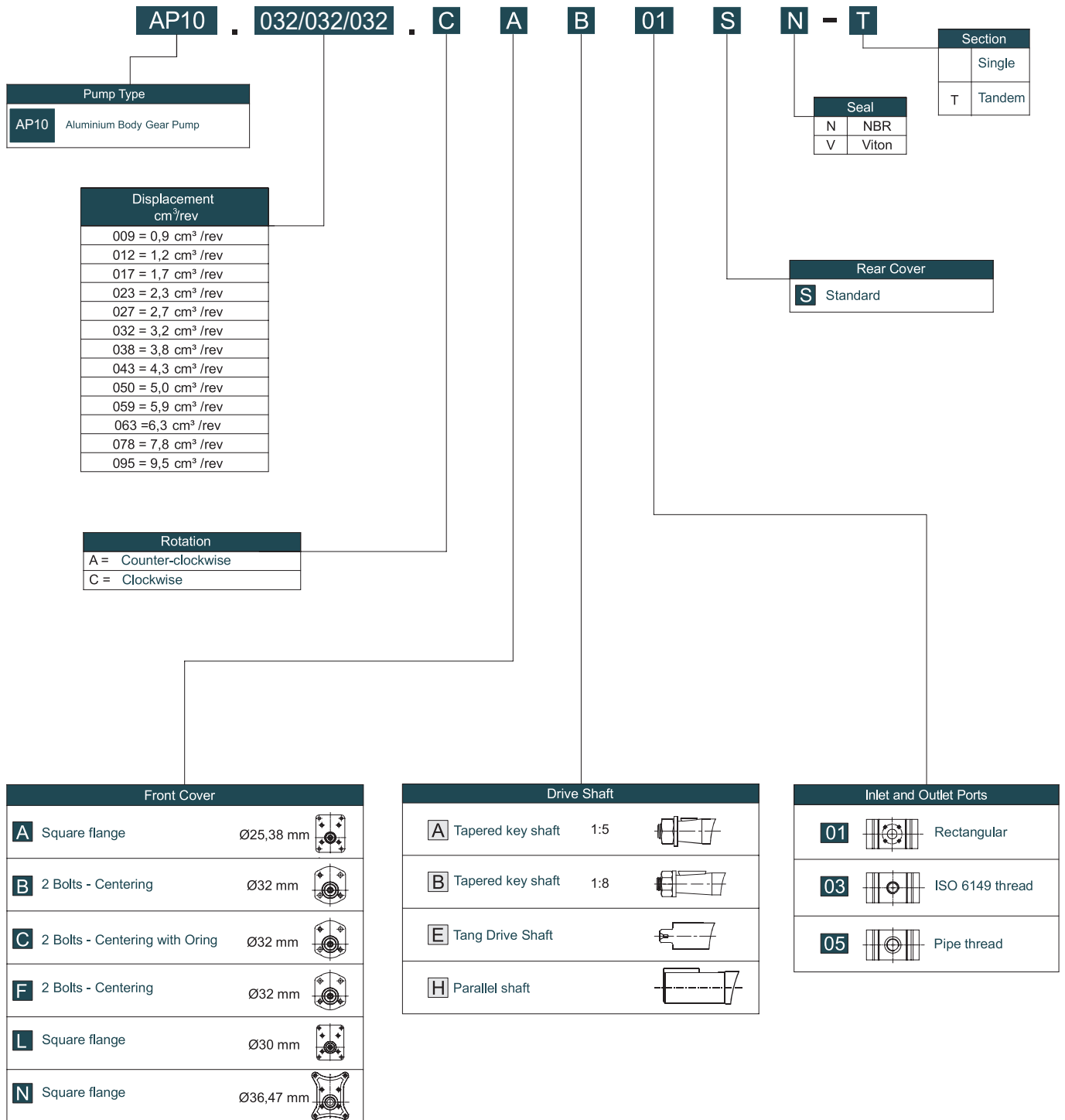
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Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet			Outlet		
						C	D	E	c	d	e
AP10.009.A/CAB01SN	0,9	220	4000	34,9	78,1	12	30	M6	12	30	M6
AP10.012.A/CAB01SN	1,2			35,5	79,3						
AP10.017.A/CAB01SN	1,7			36,5	81,3						
AP10.023.A/CAB01SN	2,3			37,5	83,3						
AP10.027.A/CAB01SN	2,7			38,5	85,3						
AP10.032.A/CAB01SN	3,2			39,3	86,8						
AP10.038.A/CAB01SN	3,8			40,5	89,3						
AP10.043.A/CAB01SN	4,3			41,5	91,3						
AP10.050.A/CAB01SN	5,0			43,0	94,3						
AP10.059.A/CAB01SN	5,9			44,8	97,8						
AP10.063.A/CAB01SN	6,3	210	3500	45,5	99,3						
AP10.078.A/CAB01SN	7,8			48,5	105,3						
AP10.095.A/CAB01SN	9,5			52,0	112,3						

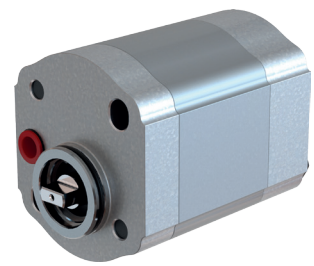
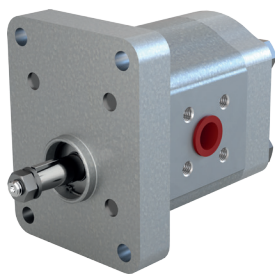


ORDERING CODE OF AP10 PUMPS

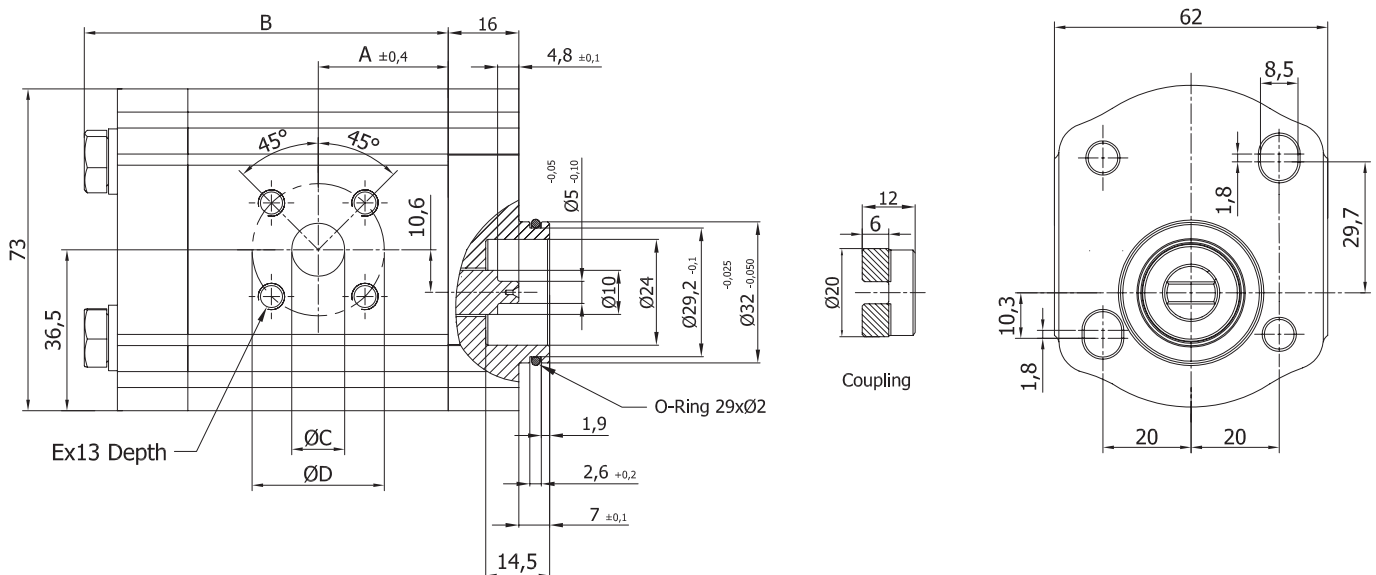


- Code Example (Single) ; AP10.032.CAB01SN

- Code Example (Tandem) ; AP10.032/032/032.CAB01SN-T

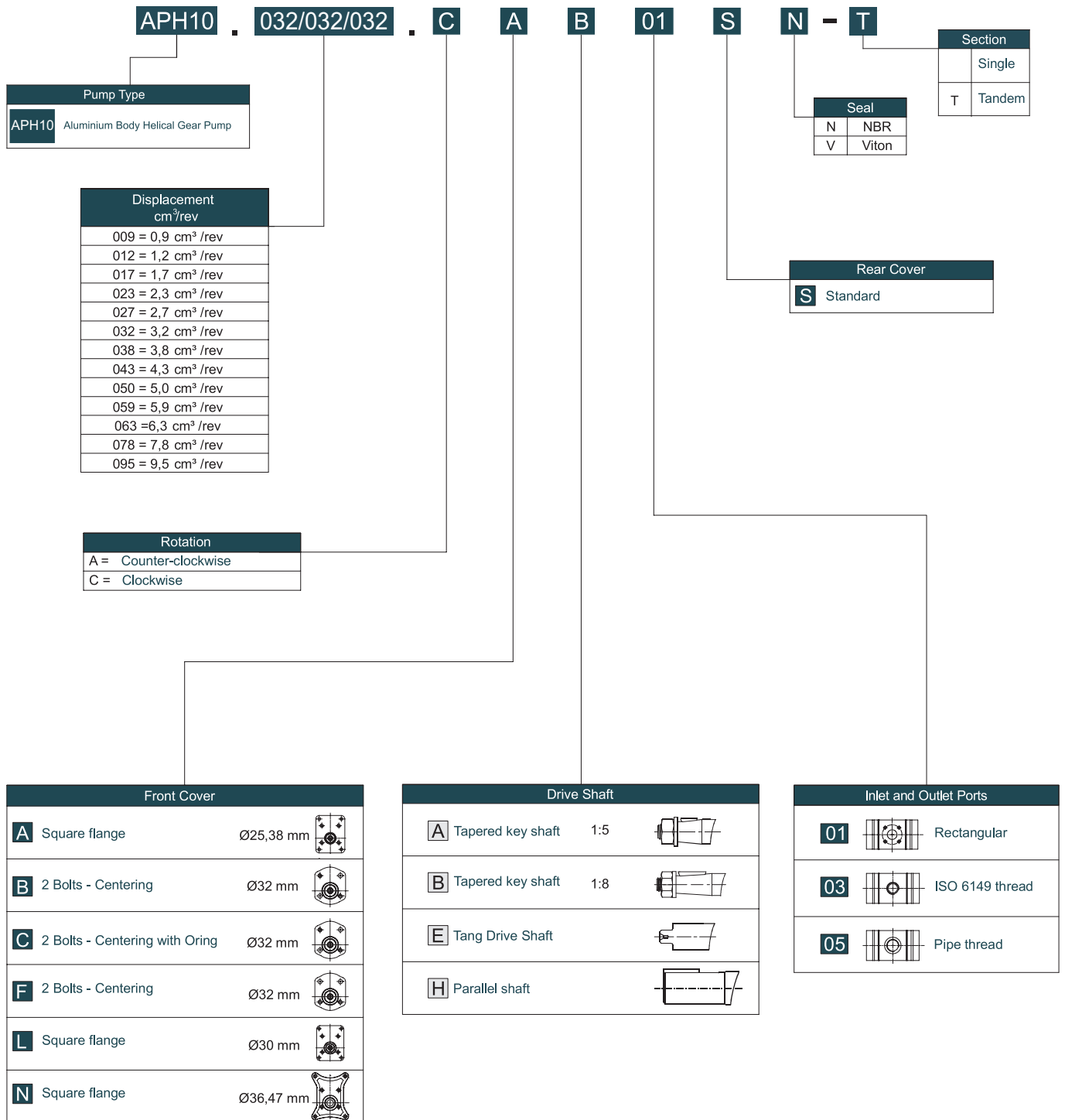


Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Nax. Speed (rpm)	Min. Speed (rpm)	A +0,4	B	Inlet			Outlet		
							C	D	E	c	d	e
APH10.009.A/CCE01SN	0,9	220	4000	650	34,9	78,1	12	30	N6x1	12	30	N6x1
APH10.012.A/CCE01SN	1,2				35,5	79,3						
APH10.017.A/CCE01SN	1,7				36,5	81,3						
APH10.023.A/CCE01SN	2,3				37,5	83,3						
APH10.027.A/CCE01SN	2,7				38,5	85,3						
APH10.032.A/CCE01SN	3,2				39,3	86,8						
APH10.038.A/CCE01SN	3,8				40,5	89,3						
APH10.043.A/CCE01SN	4,3				41,5	91,3						
APH10.050.A/CCE01SN	5,0				43,0	94,3						
APH10.059.A/CCE01SN	5,9				44,8	97,8						
APH10.063.A/CCE01SN	6,3	210	3500	650	45,5	99,3	12	30	N6x1	12	30	N6x1
APH10.078.A/CCE01SN	7,8				48,5	105,3						
APH10.095.A/CCE01SN	9,5				200	52,0						



ALUMINIUM BODY EXTERNAL HELICAL GEAR PUMPS **APH10**

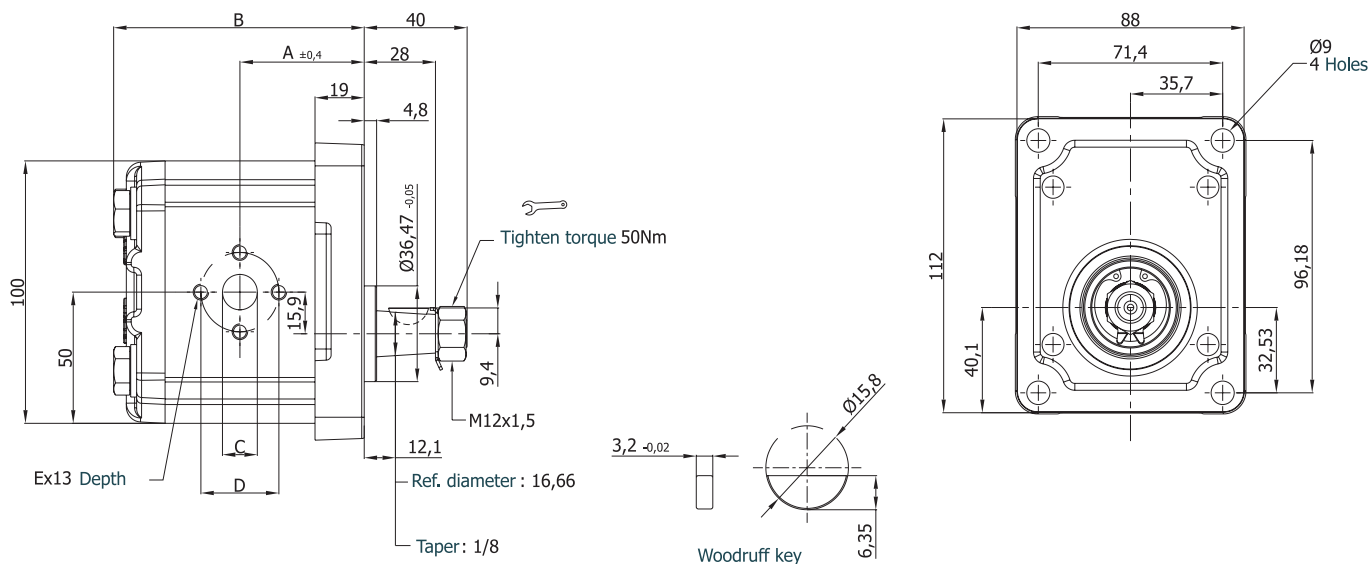
ORDERING CODE OF APH10 PUMPS



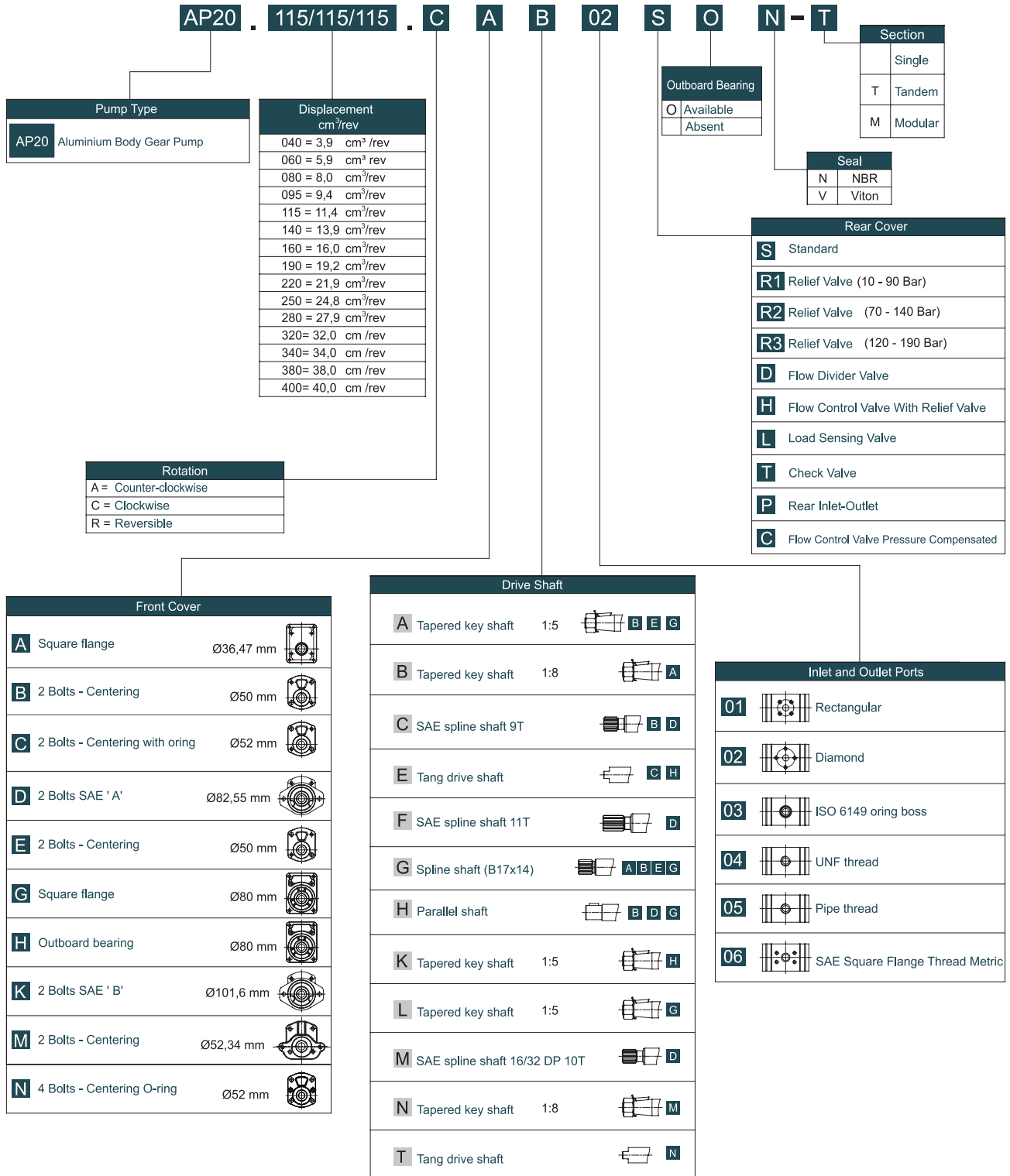
- Code Example (Single) ; APH10.032.CAB01SN - Code Example (Tandem) ; APH10.032/032/032.CAB01SN-T



Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet			Outlet			
						C	D	E	c	d	e	
AP20.040.A/CAB02SN	3,9	250	3500	42,2	85,3	12	30,2	M6	12	30,2	M6	
AP20.060.A/CAB02SN	5,9			43,8	88,4	13,5			M6			13,5
AP20.080.A/CAB02SN	8,0			45,4	91,6							
AP20.095.A/CAB02SN	9,4			46,5	93,9							
AP20.115.A/CAB02SN	11,4		3000	48,2	97,0	20	40	M8	13,5			
AP20.140.A/CAB02SN	13,9			50,0	101,0							
AP20.160.A/CAB02SN	16,0			51,7	104,1							
AP20.190.A/CAB02SN	19,2			60,2	121,1							
AP20.220.A/CAB02SN	21,9	210	2500	62,3	125,5	20	40	M8	20	40	M8	
AP20.250.A/CAB02SN	24,8	190		64,8	130,4							
AP20.280.A/CAB02SN	27,9	170	2000	67,0	134,9	20	40	M8	20	40	M8	
AP20.320.A/CAB02SN	32,0	160		70,0	141,0							
AP20.340.A/CAB02SN	34,0	150	1750	71,5	144,5	20	40	M8	20	40	M8	
AP20.380.A/CAB02SN	38,0	140		74,8	150,5							
AP20.400.A/CAB02SN	40,0	130	76,5	154,0								



ORDERING CODE OF GROUP 20 PUMPS



- Code Example (Single) ; AP20.115.CAB02SN

- Code Example (Tandem) ; AP20.115/115/115.CAB02SN-T

- Code Example (Modular) ; AP20.115/115/115.CAB02SN-M

ALUMINIUM BODY EXTERNAL HELICAL GEAR PUMPS **APH20**

ORDERING CODE OF GROUP 20 PUMPS

APH20 . 115/115/115 . C A B 02 S O N - T

Pump Type		Displacement cm ³ /rev	
APH20	Aluminium Body Helical Gear Pump	040 = 3,9	cm ³ /rev
		060 = 5,9	cm ³ /rev
		080 = 8,0	cm ³ /rev
		095 = 9,4	cm ³ /rev
		115 = 11,4	cm ³ /rev
		140 = 13,9	cm ³ /rev
		160 = 16,0	cm ³ /rev
		190 = 19,2	cm ³ /rev
		220 = 21,9	cm ³ /rev
		250 = 24,8	cm ³ /rev
		280 = 27,9	cm ³ /rev
		320 = 32,0	cm /rev
		340 = 34,0	cm /rev
		380 = 38,0	cm /rev
		400 = 40,0	cm /rev

Rotation	
A	Counter-clockwise
C	Clockwise
R	Reversible

Outboard Bearing	
O	Available
	Absent

Section	
	Single
T	Tandem
M	Modular

Seal	
N	NBR
V	Viton

Rear Cover	
S	Standard
R1	Relief Valve (10 - 90 Bar)
R2	Relief Valve (70 - 140 Bar)
R3	Relief Valve (120 - 190 Bar)
D	Flow Divider Valve
H	Flow Control Valve With Relief Valve
L	Load Sensing Valve
T	Check Valve
P	Rear Inlet-Outlet
C	Flow Control Valve Pressure Compensated

Front Cover	
A	Square flange Ø36,47 mm
B	2 Bolts - Centering Ø50 mm
C	2 Bolts - Centering with oring Ø52 mm
D	2 Bolts SAE 'A' Ø82,55 mm
E	2 Bolts - Centering Ø50 mm
G	Square flange Ø80 mm
H	Outboard bearing Ø80 mm
K	2 Bolts SAE 'B' Ø101,6 mm
M	2 Bolts - Centering Ø52,34 mm
N	4 Bolts - Centering O-ring Ø52 mm

Drive Shaft	
A	Tapered key shaft 1:5 B E G
B	Tapered key shaft 1:8 A
C	SAE spline shaft 9T B D
E	Tang drive shaft C H
F	SAE spline shaft 11T D
G	Spline shaft (B17x14) A B E G
H	Parallel shaft B D G
K	Tapered key shaft 1:5 H
L	Tapered key shaft 1:5 G
M	SAE spline shaft 16/32 DP 10T D
N	Tapered key shaft 1:8 M
T	Tang drive shaft N

Inlet and Outlet Ports	
01	Rectangular
02	Diamond
03	ISO 6149 oring boss
04	UNF thread
05	Pipe thread
06	SAE Square Flange Thread Metric

Code Example (Single) APH20.115.CAB02SN

Code Example (Tandem) ; APH20.115/115/115.CAB02SN-T

Code Example (Modular) ; APH20.115/115/115.CAB02SN-M

CAST IRON BODY EXTERNAL GEAR PUMPS

DKP20

ORDERING CODE OF GROUP 20 PUMPS

DKP20 . 115/115/115 . C A B 02 S O N - T

Pump Type	Displacement cm ³ /rev
DKP20 Cast Iron Body Gear Pump	040 = 3,9 cm ³ /rev
	060 = 5,9 cm ³ /rev
	080 = 8,0 cm ³ /rev
	095 = 9,4 cm ³ /rev
	115 = 11,4 cm ³ /rev
	140 = 13,9 cm ³ /rev
	160 = 16,0 cm ³ /rev
	190 = 19,2 cm ³ /rev
	220 = 21,9 cm ³ /rev
	250 = 24,8 cm ³ /rev
	280 = 27,9 cm ³ /rev
	320 = 32,0 cm ³ /rev
	340 = 34,0 cm ³ /rev
	380 = 38,0 cm ³ /rev
	400 = 40,0 cm ³ /rev

Rotation
A = Counter clockwise
C = Clockwise
R = Reversible

Outboard Bearing
O Available
Absent

Section
Single
T Tandem
M Modular

Seal
N NBR
V Viton

Rear Cover
S Standard
R1 Relief Valve (10 - 90 Bar)
R2 Relief Valve (70 - 140 Bar)
R3 Relief Valve (120 - 190 Bar)
D Flow Divider Valve
H Flow Control Valve With Relief Valve
L Load Sensing Valve
T Check Valve
P Rear Inlet-Outlet
C Flow Control Valve Pressure Compensated

Front Cover
A Square flange Ø36,47 mm
B 2 Bolts - Centering Ø50 mm
C 2 Bolts - Centering with oring Ø52 mm
D 2 Bolts SAE 'A' Ø82,55 mm
E 2 Bolts - Centering Ø50 mm
G Square flange Ø80 mm
H Outboard bearing Ø80 mm
K 2 Bolts SAE 'B' Ø101,6 mm
M 2 Bolts - Centering Ø52,34 mm
N 4 Bolts - Centering O-ring Ø52 mm

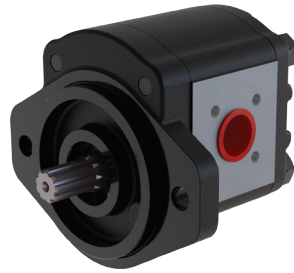
Drive Shaft
A Tapered key shaft 1:5
B Tapered key shaft 1:8
C SAE spline shaft 9T
E Tang drive shaft
F SAE spline shaft 11T
G Spline shaft (B17x14)
H Parallel shaft
K Tapered key shaft 1:5
L Tapered key shaft 1:5
M SAE spline shaft 16/32 DP 10T
N Tapered key shaft 1:8
T Tang drive shaft

Inlet and Outlet Ports
01 Rectangular
02 Diamond
03 ISO 6149 oring boss
04 UNF thread
05 Pipe thread
06 SAE Square Flange Thread Metric

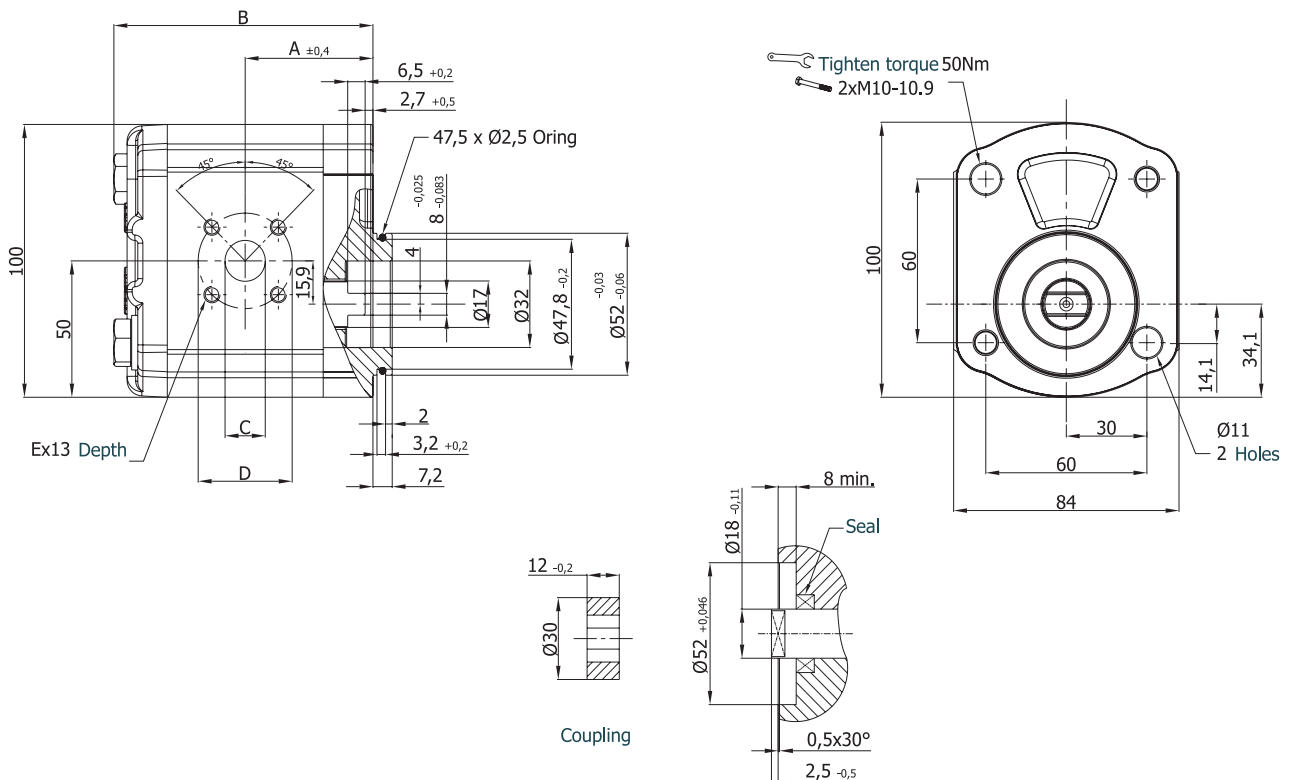
Code Example (Single) ; DKP20.115.CAB02SN

Code Example (Tandem) ; DKP20.115/115/115.CAB02SN-T

Code Example (Modular) ; DKP20.115/115/115.CAB02SN-M



Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet			Outlet						
						C	D	E	c	d	e				
DPH20.040.A/CCE01SN	3,9	320	3500	47,6	100,7	12	40	M6	12	35	M6				
DPH20.060.A/CCE01SN	5,9			49,2	103,8	13,5			13,5						
DPH20.080.A/CCE01SN	8,0			50,8	107,0	20			15						
DPH20.095.A/CCE01SN	9,4			51,9	109,3										
DPH20.115.A/CCE01SN	11,4	300	3000	53,6	112,6	20			M6			15	35	M6	
DPH20.140.A/CCE01SN	13,9			55,4	116,4										
DPH20.160.A/CCE01SN	16,0			57,1	119,5										
DPH20.190.A/CCE01SN	19,2	280	65,6	136,5	20										15
DPH20.220.A/CCE01SN	21,9	250	67,7	140,9											
DPH20.250.A/CCE01SN	24,8	230	70,2	145,8	20										15
DPH20.280.A/CCE01SN	27,9	210	2200	73,0			150,3	20		40					

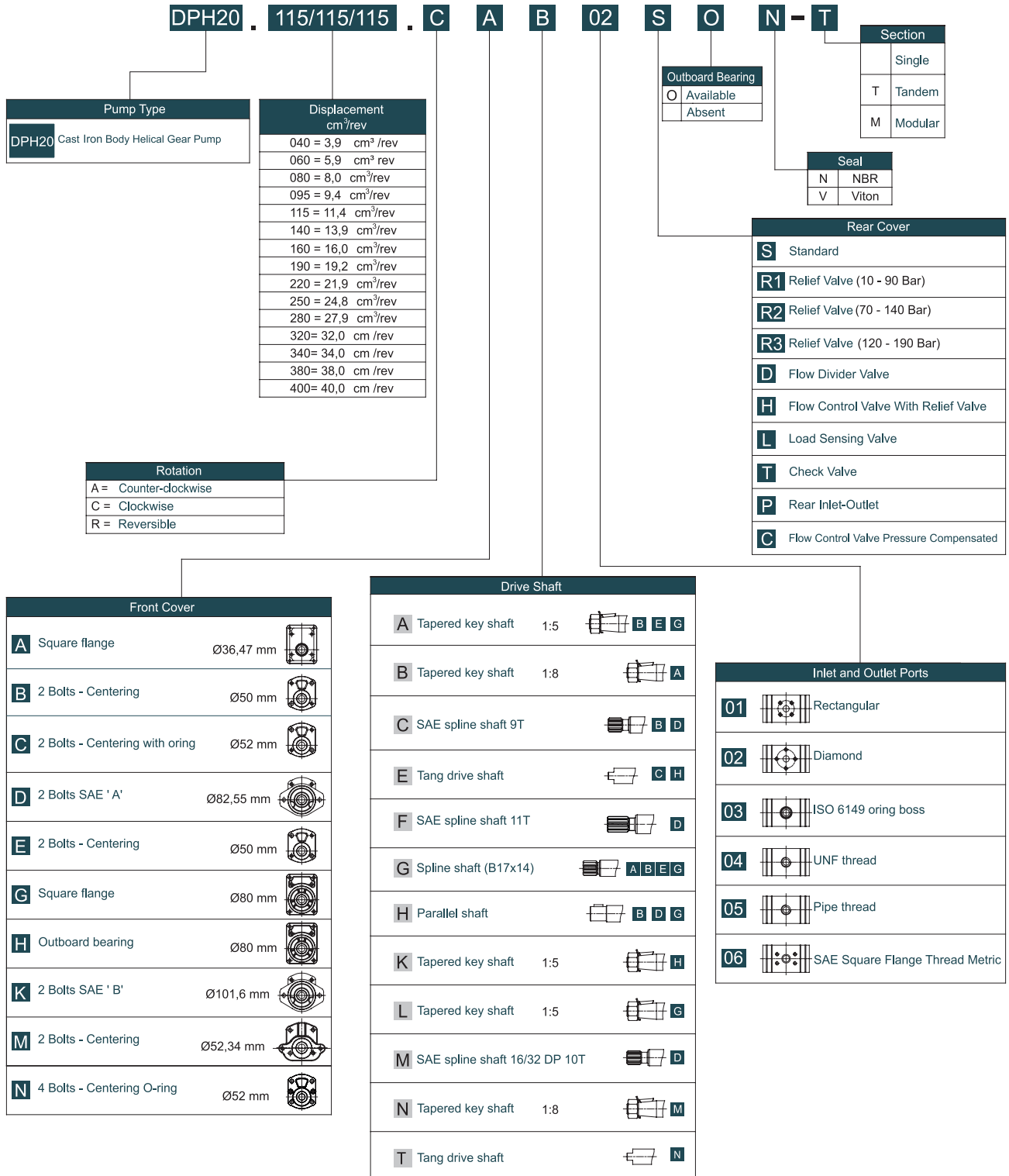


CAST IRON BODY EXTERNAL HELICAL GEAR PUMPS

DPH20



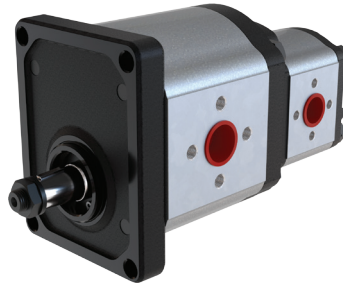
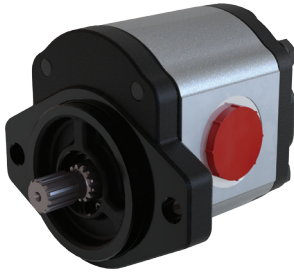
ORDERING CODE OF GROUP 20 PUMPS



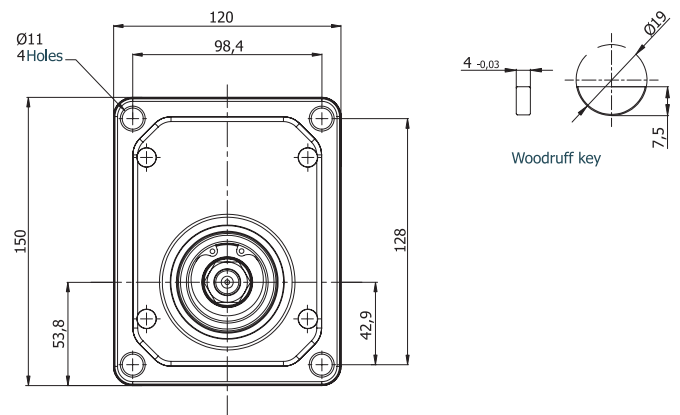
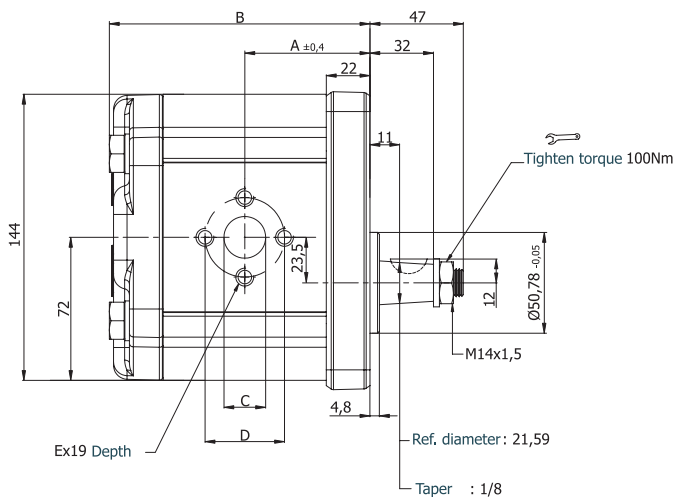
Code Example (Single) ;DPH20.115.CAB02SN

Code Example (Tandem) ;DPH20.115/115/115.CAB02SN-T

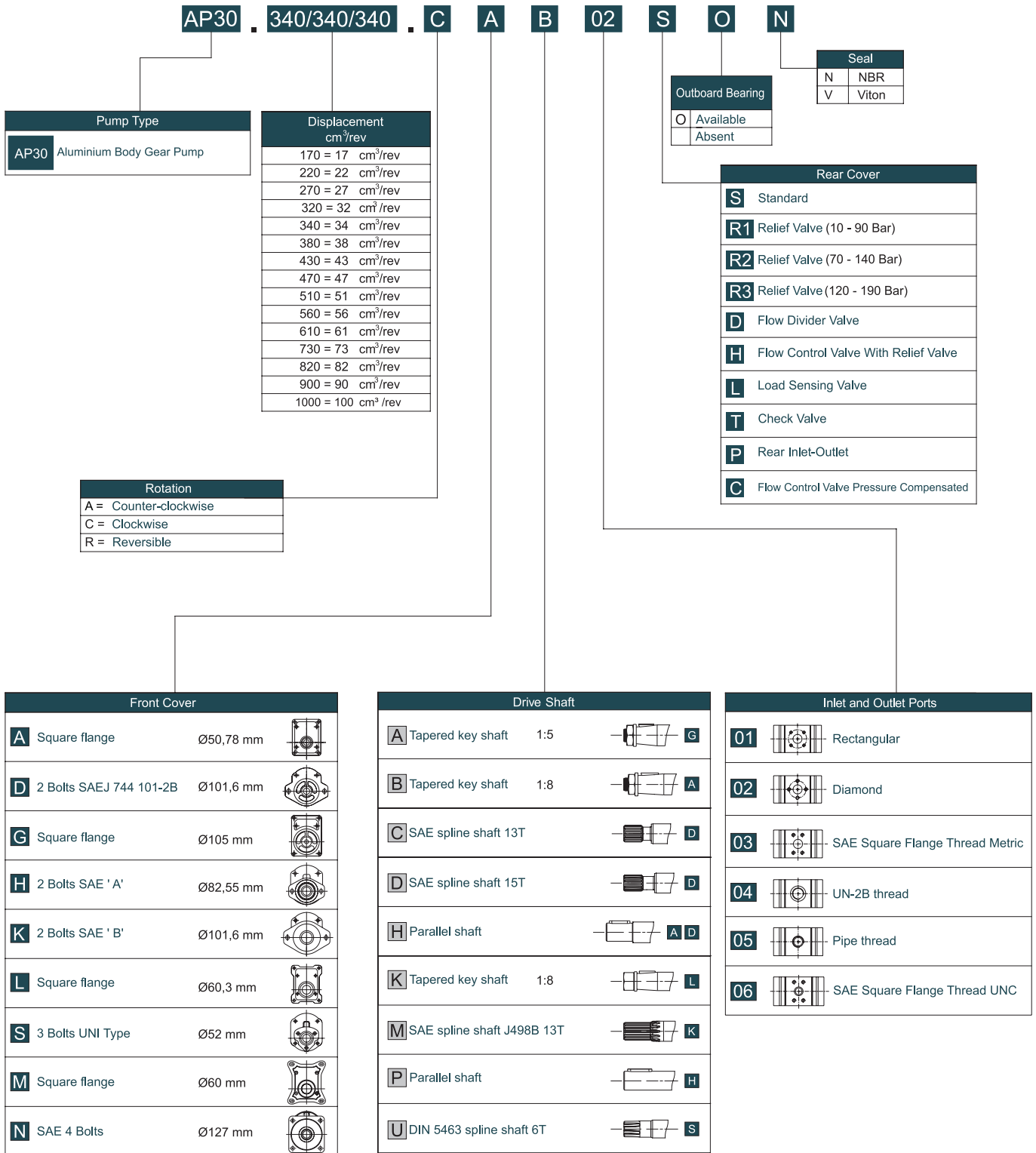
Code Example (Modular) ;DPH20.115/115/115.CAB02SN-M



Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet			Outlet		
						C	D	E	c	d	e
AP30.170.A/CAB02SN	17,0	250	3000	59,5	124,1	27	51	M10x19	19	40	M8x16
AP30.220.A/CAB02SN	22,0			61,5	128,1						
AP30.270.A/CAB02SN	27,0			63,0	131,1						
AP30.320.A/CAB02SN	32,0	240		64,5	134,1						
AP30.340.A/CAB02SN	34,0			65,0	135,1						
AP30.380.A/CAB02SN	38,0			66,5	138,1						
AP30.430.A/CAB02SN	43,0	230	2500	68,0	141,1	33	62	M12x19	27	51	M10x19
AP30.470.A/CAB02SN	47,0			69,5	144,1						
AP30.510.A/CAB02SN	51,0			70,5	146,1						
AP30.560.A/CAB02SN	56,0	200		71,5	148,1						
AP30.610.A/CAB02SN	61,0	180		74,0	153,1						
AP30.730.A/CAB02SN	73,0	170		77,0	160,1						
AP30.820.A/CAB02SN	82,0	160	2000	80,0	166,1	33	62	M12x19	27	51	M10x19
AP30.900.A/CAB02SN	90,0	150		83,0	172,1						
AP30.1000.A/CAB02SN	100,0	140		86,0	178,1						

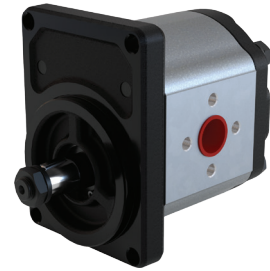
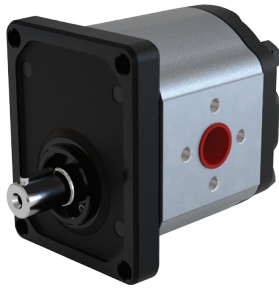


ORDERING CODE OF GROUP 30 PUMPS

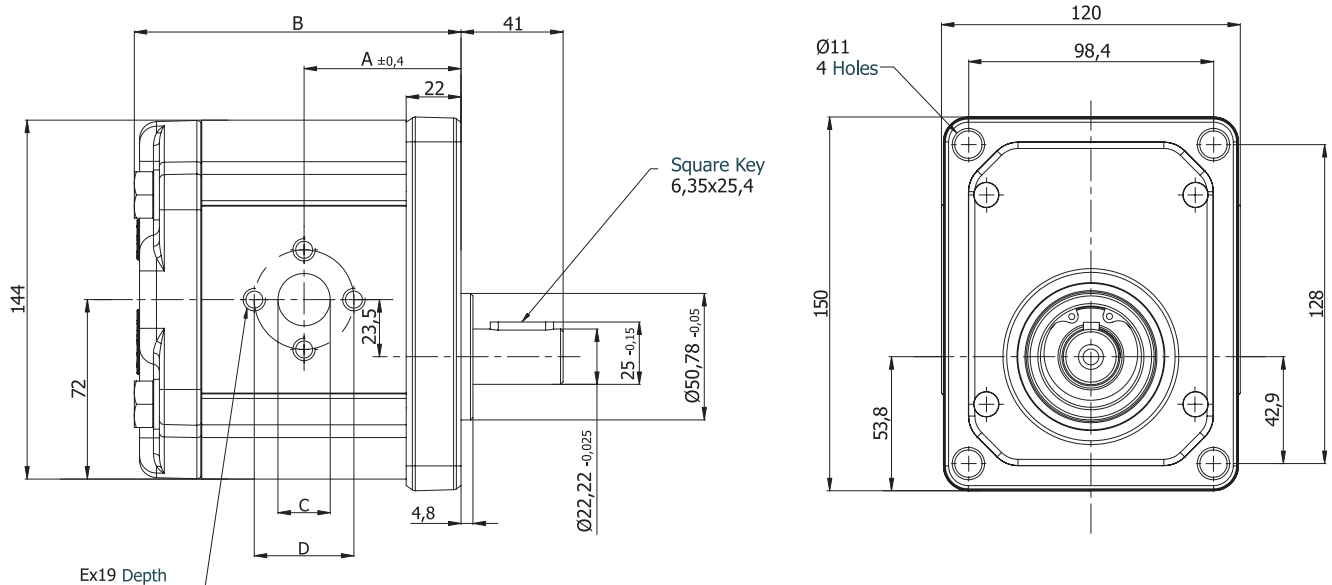


Code Example (Single) ; AP30.340.CAB02SN

Code Example (Tandem) ; AP30.340/340/340.CAB02SN



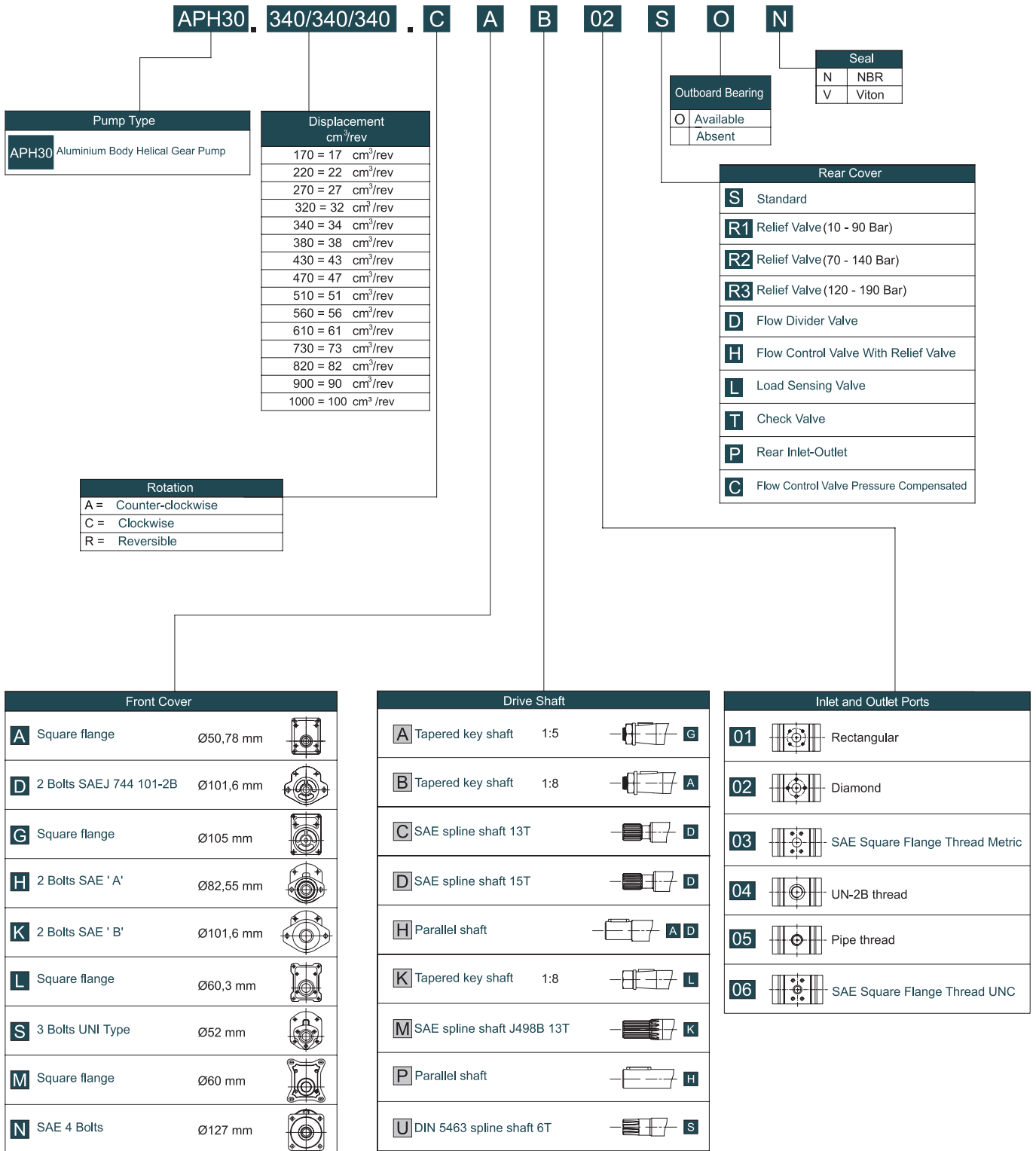
Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet			Outlet		
						C	D	E	c	d	e
APH30.170.A/CAH02SN	17,0	250	3000	59,5	124,1	27	51	M10x19	19	40	M8x16
APH30.220.A/CAH02SN	22,0			61,5	128,1						
APH30.270.A/CAH02SN	27,0			63,0	131,1						
APH30.320.A/CAH02SN	32,0			64,5	134,1						
APH30.340.A/CAH02SN	34,0			65,0	135,1						
APH30.380.A/CAH02SN	38,0			66,5	138,1						
APH30.430.A/CAH02SN	43,0	230	2500	68,0	141,1	33	62	M12x19	27	51	M10x19
APH30.470.A/CAH02SN	47,0			69,5	144,1						
APH30.510.A/CAH02SN	51,0			70,5	146,1						
APH30.560.A/CAH02SN	56,0	200	1750	71,5	148,1	33	62	M12x19	27	51	M10x19
APH30.610.A/CAH02SN	61,0	180		74,0	153,1						
APH30.730.A/CAH02SN	73,0	170		77,0	160,1						
APH30.820.A/CAH02SN	82,0	160		80,0	166,1						
APH30.900.A/CAH02SN	90,0	150	1500	83,0	172,1	33	62	M12x19	27	51	M10x19
APH30.1000.A/CAH02SN	100,0	140		86,0	178,1						



ALUMINIUM BODY EXTERNAL HELICAL GEAR PUMPS

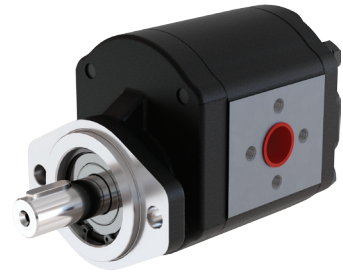
APH30

ORDERING CODE OF GROUP 30 PUMPS

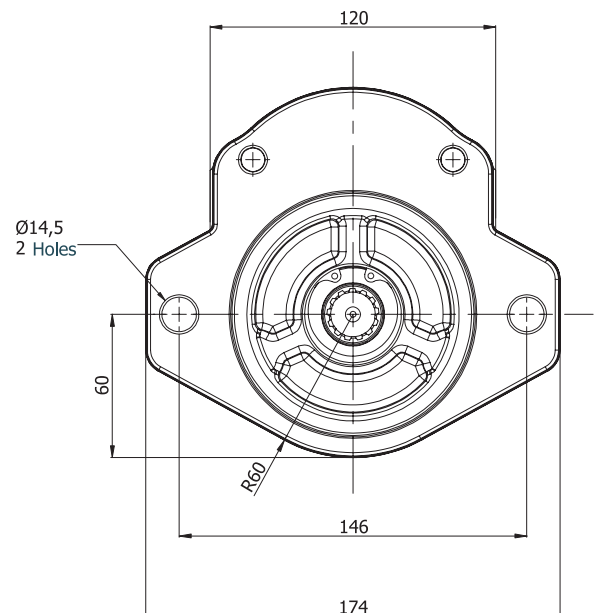
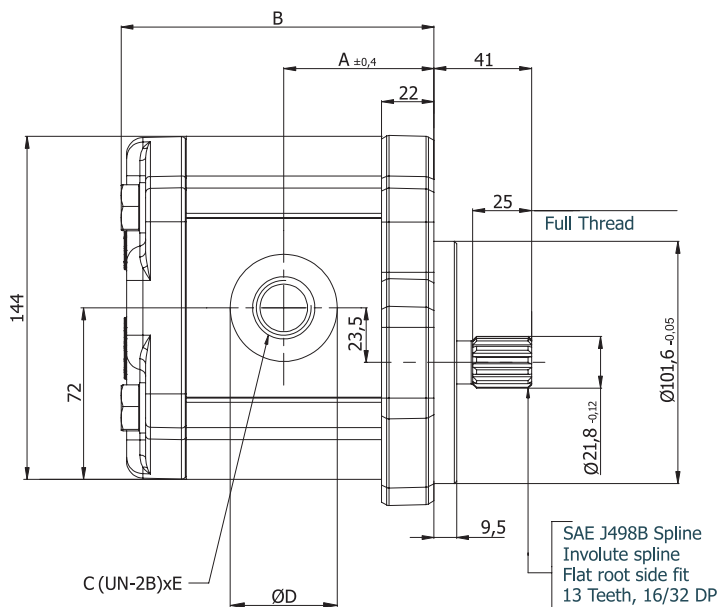


Code Example (Single) ; APH30.340.CAB02SN

Code Example (Tandem) ; APH30.340/340/340.CAB02SN



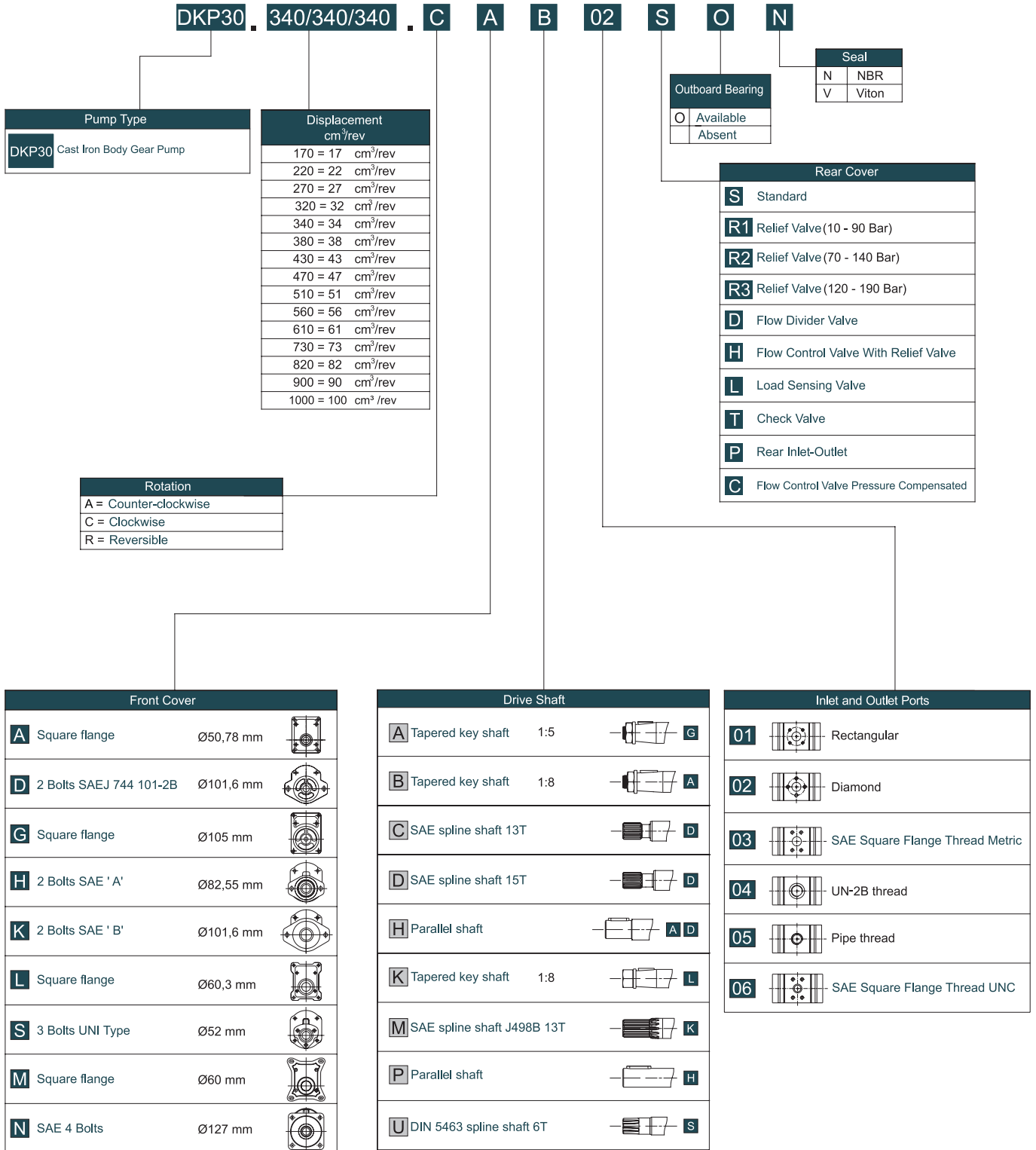
Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet			Outlet		
						C	D	E	c	d	e
DKP30.170.A/CDC04SN	17,0	280	3000	59,5	124,1	30,5	49	1 5/16"-12 UNF-2B	24,8	42	1 1/16"-12 UNF-2B
DKP30.220.A/CDC04SN	22,0			61,5	128,1						
DKP30.270.A/CDC04SN	27,0			63,0	131,1						
DKP30.320.A/CDC04SN	32,0			64,5	134,1						
DKP30.340.A/CDC04SN	34,0			65,0	135,1						
DKP30.380.A/CDC04SN	38,0			66,5	138,1						
DKP30.430.A/CDC04SN	43,0	250	2500	68,0	141,1	39,1	58	1 5/8"-12 UNF-2B	30,5	49	1 5/16"-12 UNF-2B
DKP30.470.A/CDC04SN	47,0			69,5	144,1						
DKP30.510.A/CDC04SN	51,0			70,5	146,1						
DKP30.560.A/CDC04SN	56,0			71,5	148,1						
DKP30.610.A/CDC04SN	61,0	220	2000	74,0	153,1	45	65	1 7/8"-12 UNF-2B	39,1	58	1 5/8"-12 UNF-2B
DKP30.730.A/CDC04SN	73,0	200		77,0	160,1						
DKP30.820.A/CDC04SN	82,0	190		80,0	166,1						
DKP30.900.A/CDC04SN	90,0	180		83,0	172,1						
DKP30.1000.A/CDC04SN	100,0			86,0	178,1						



CAST IRON BODY EXTERNAL GEAR PUMPS

DKP30

ORDERING CODE OF GROUP 30 PUMPS



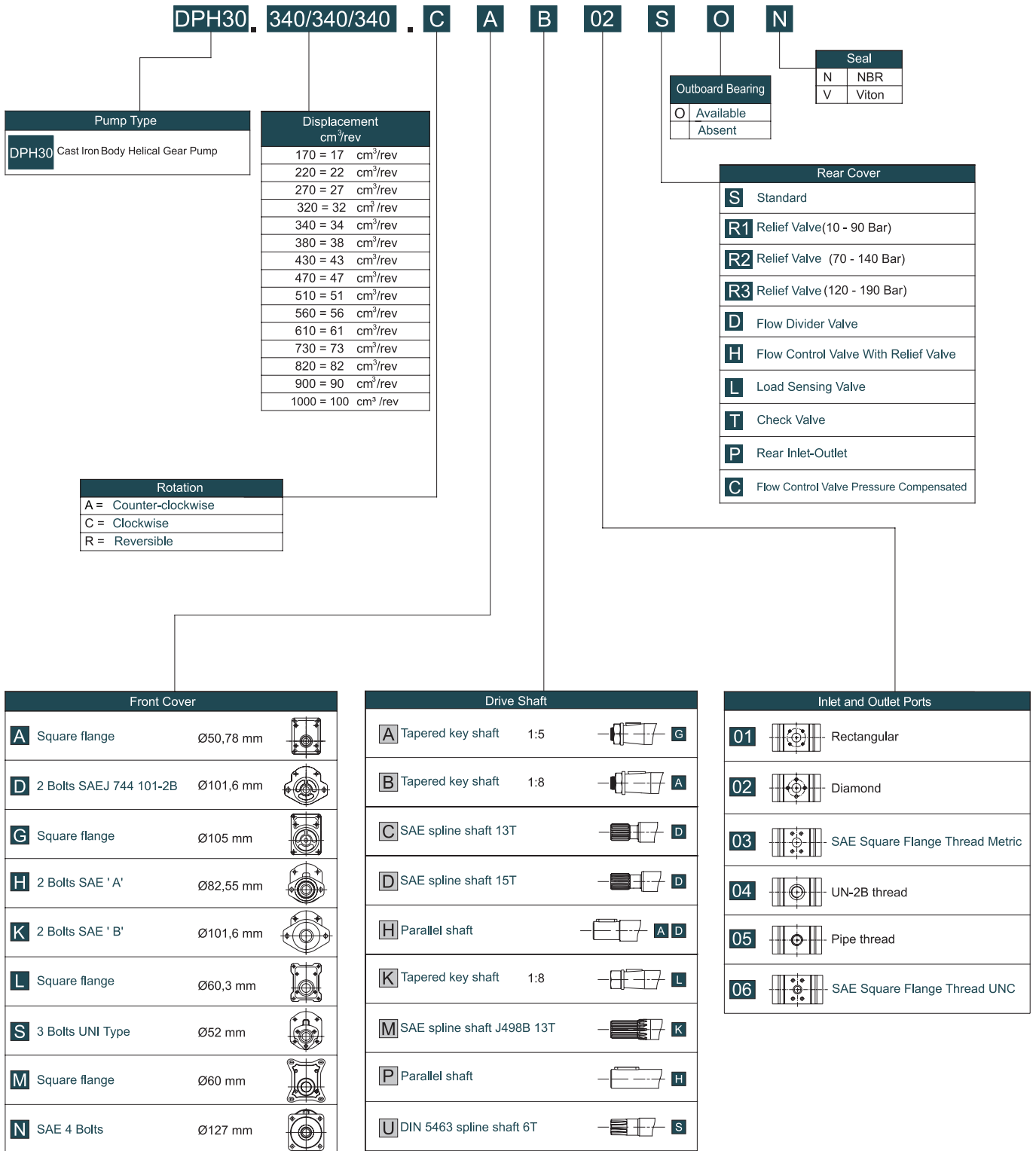
Code Example (Single) ; DKP30.340.CAB02SN

Code Example (Tandem) ; DKP30.340/340/340.CAB02SN

CAST IRON BODY EXTERNAL HELICAL GEAR PUMPS

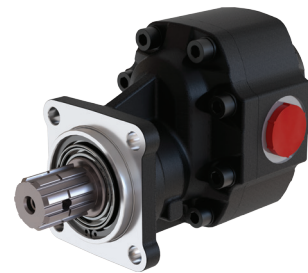
DPH30

ORDERING CODE OF GROUP 30 PUMPS

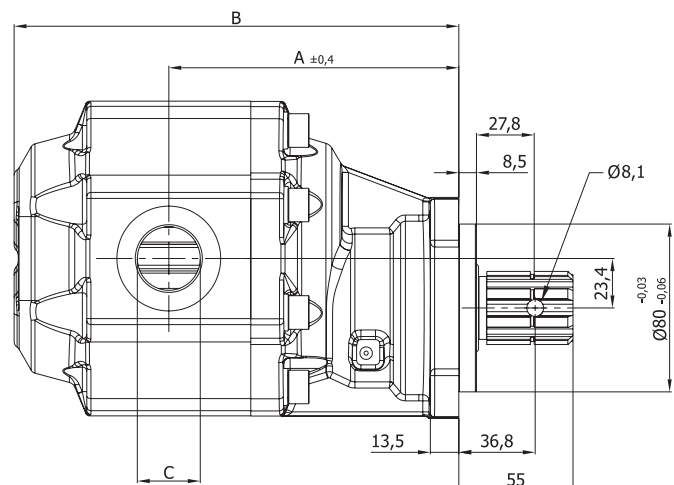
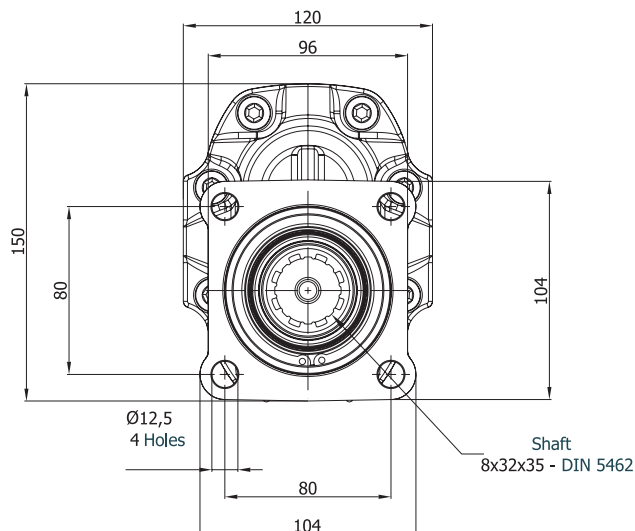


Code Example (Single) ; DPH30.340.CAB02SN

Code Example (Tandem) ; DPH30.340/340/340.CAB02SN



Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet	Outlet
						C	c
GP30.017.CRM1N	17,2	300	3000	119,0	172,6	G 1/2"	G 1/2"
GP30.017.ARM1N							
GP30.027.CRM1N	27,1	290	2750	122,2	179,0	G 3/4"	G 3/4"
GP30.027.ARM1N							
GP30.034.CRM1N	34,4	280	2500	124,5	183,6	G 1"	G 1"
GP30.034.ARM1N							
GP30.043.CRM1N	42,9	270	2000	127,4	189,4	G 1-1/4"	G 1-1/4"
GP30.043.ARM1N							
GP30.051.CRM1N	51,2	240	1750	129,5	193,5	G 1-1/4"	G 1-1/4"
GP30.051.ARM1N							
GP30.061.CRM1N	60,7	220	1750	133,2	201,0	G 1-1/4"	G 1-1/4"
GP30.061.ARM1N							
GP30.073.CRM1N	73,0	200	1750	137,1	208,7	G 1-1/4"	G 1-1/4"
GP30.073.ARM1N							
GP30.082.CRM1N	81,4	190	1750	140,0	214,5	G 1-1/4"	G 1-1/4"
GP30.082.ARM1N							
GP30.100.CRM1N	99,7	180	1750	145,8	226,1	G 1-1/4"	G 1-1/4"
GP30.100.ARM1N							



ORDERING CODE OF GP30 PUMPS

GP30 . 082/082 . C S T1 T N

GP30 Side Inlet-Outlet

Displacement cm ³ /rev
017 = 17,2 cm ³ / rev
027 = 27,1 cm ³ / rev
034 = 34,4 cm ³ / rev
043 = 42,9 cm ³ / rev
051 = 51,2 cm ³ / rev
061 = 60,7 cm ³ / rev
073 = 73,0 cm ³ / rev
082 = 81,4 cm ³ / rev
100 = 99,7 cm ³ / rev

Seals	
N	NBR
V	VITON

Internal Drain Port	
T	Available
	Absent

Shaft Type	
T1	Spline Shaft 6x24x25 DIN 5463
M1	Spline Shaft 8x32x35 DIN 5462
S2	Spline Shaft B6x30x35 DIN 9611 SAE 1 3/8"
S	Parallel Shaft A8x7x32 DIN 6885
B1	Tapered key shaft 1:8

Rotation	
A	Counter-clockwise
C	Clockwise
R	Reversible

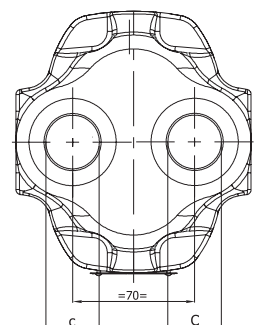
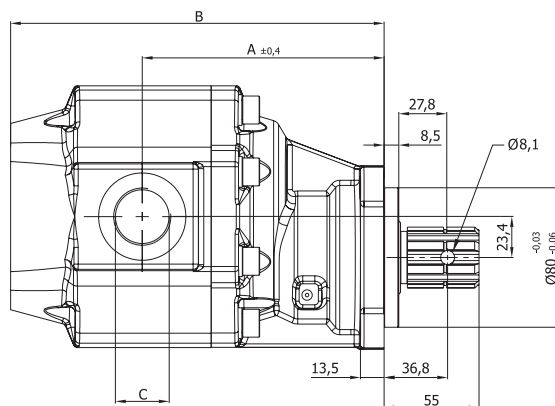
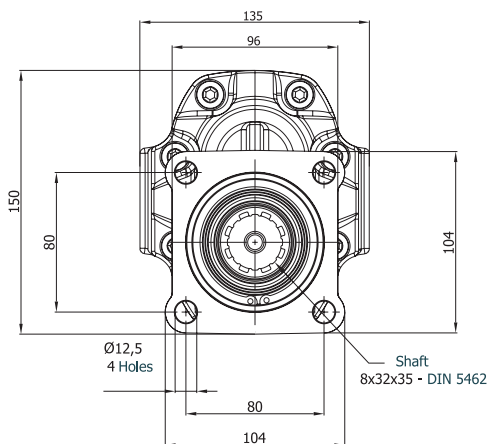
Front Cover	
S	3 Holes Ø73
R	4 Holes Ø80
P	6 Holes Ø52
D	2 Holes Ø82,5
A	Square Flange Ø50,78

Code Example (Single) ; GP30.082.CST1N

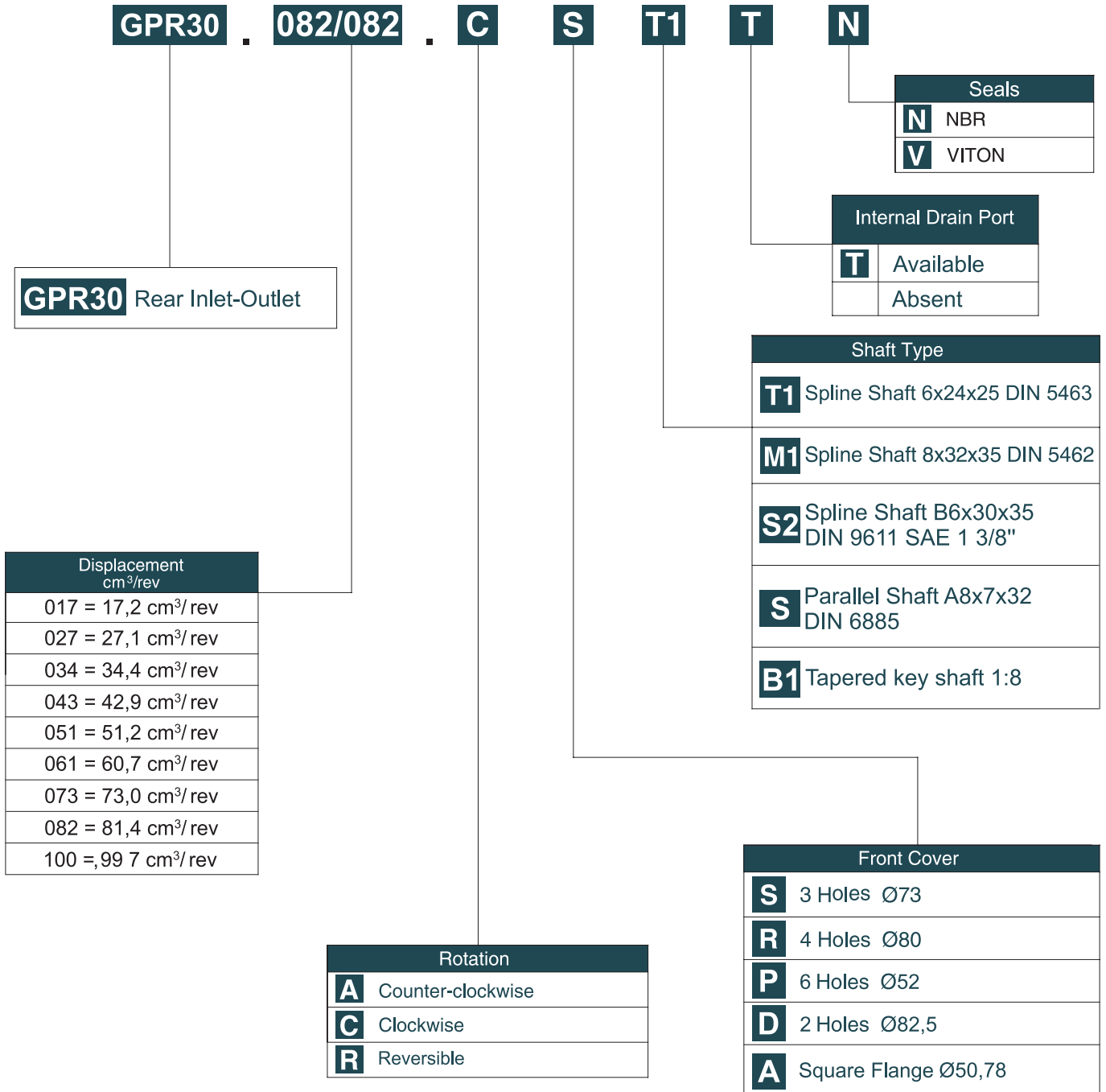
Code Example (Tandem) ; GP30.082/082.CST1N



Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A	B	Inlet	Outlet
						C	c
GPR30.017.CRM1N	17,2	300	3000	119,0	173,6	G 1/2"	G 1/2"
GPR30.017.ARM1N							
GPR30.027.CRM1N	27,1	290	2750	122,2	180,0	G 3/4"	G 3/4"
GPR30.027.ARM1N							
GPR30.034.CRM1N	34,4	280	2500	124,5	184,6	G 1"	G 1"
GPR30.034.ARM1N							
GPR30.043.CRM1N	42,9	270	2000	127,4	190,4	G 1-1/4"	G 1-1/4"
GPR30.043.ARM1N							
GPR30.051.CRM1N	51,2	240	1750	129,5	194,5	G 1-1/4"	G 1-1/4"
GPR30.051.ARM1N							
GPR30.061.CRM1N	60,7	220	1750	133,2	202,0	G 1"	G 1"
GPR30.061.ARM1N							
GPR30.073.CRM1N	73,0	200	1750	137,1	209,7	G 1"	G 1"
GPR30.073.ARM1N							
GPR30.082.CRM1N	81,4	190	1750	140,1	215,5	G 1-1/4"	G 1-1/4"
GPR30.082.ARM1N							
GPR30.100.CRM1N	99,7	180	1750	145,8	227,1	G 1-1/4"	G 1-1/4"
GPR30.100.ARM1N							



ORDERING CODE OF GP30 PUMPS

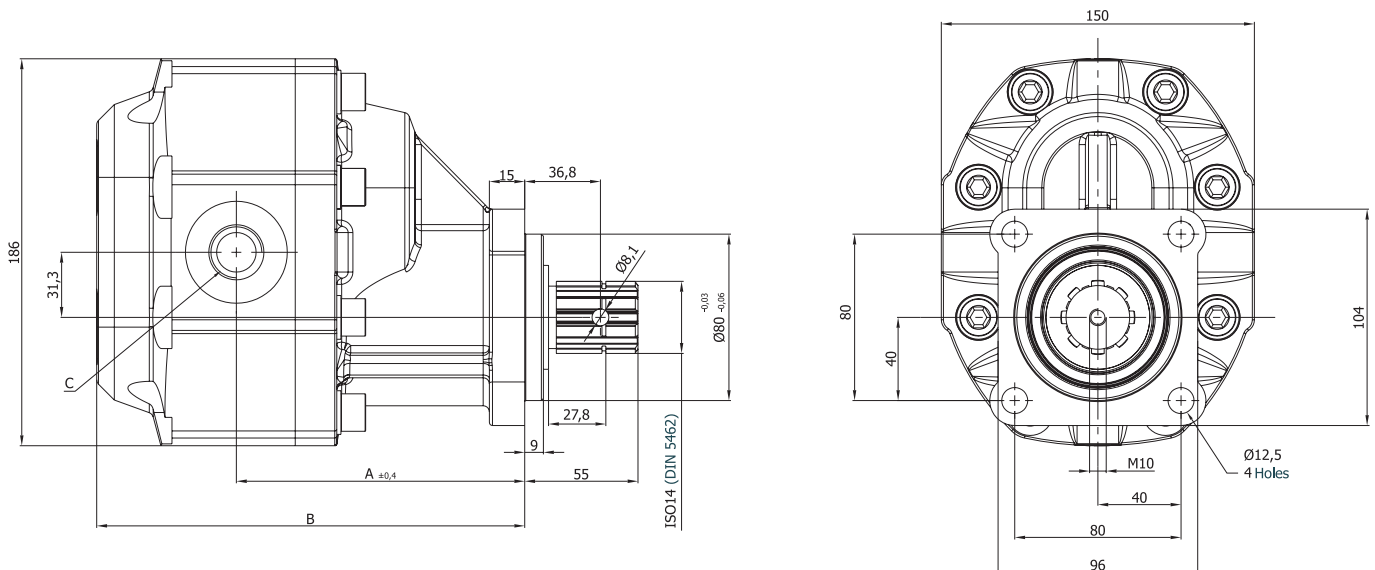


Code Example (Single) ; GPR30.082.CST1N

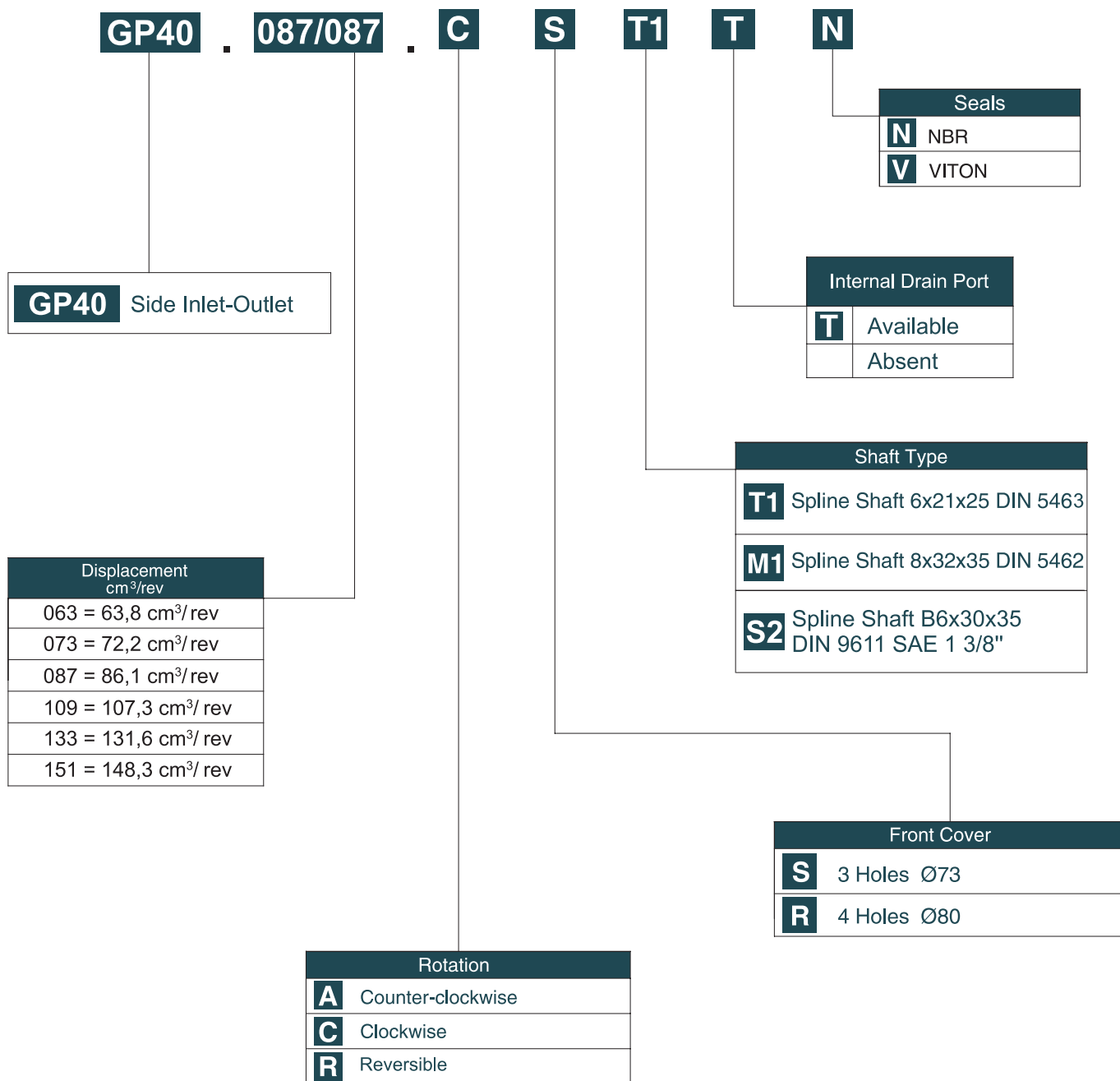
Code Example (Tandem) ; GPR30.082/082.CST1N



Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet	Outlet
						C	c
GP40.063.CRM1N	63,8	280	2750	136,3	203,0	G 1"	G 3/4"
GP40.063.ARM1N							
GP40.073.CRM1N	72,2	260		137,3	204,6		
GP40.073.ARM1N							
GP40.087.CRM1N	86,1	240	141,0	209,6	G 1-1/4"	G 1"	
GP40.087.ARM1N							
GP40.109.CRM1N	107,3	220	145,0	217,3			
GP40.109.ARM1N							
GP40.133.CRM1N	131,6	180	148,0	225,9	G 1-1/2"		
GP40.133.ARM1N							
GP40.151.CRM1N	148,3	2500	153,3	232,3			
GP40.151.ARM1N							



ORDERING CODE OF GP40 PUMPS

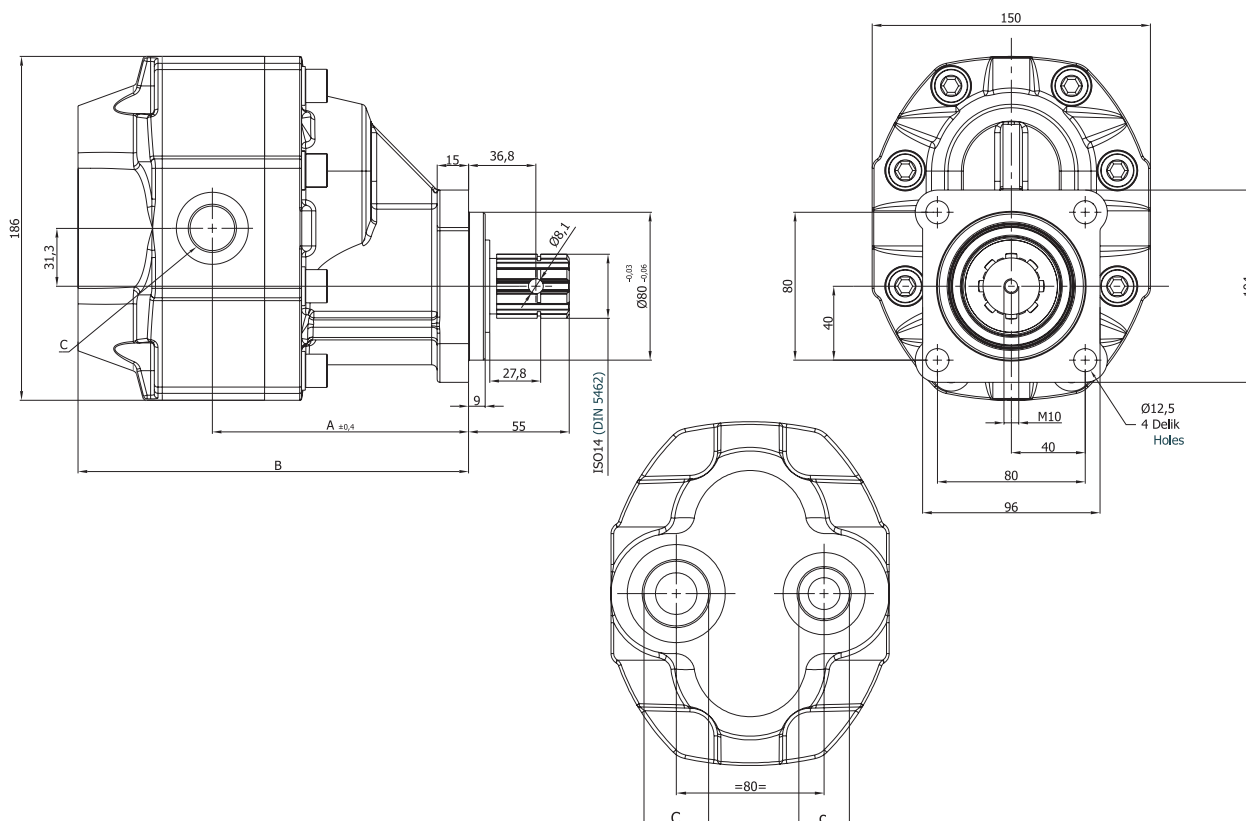


Code Example (Single) ; GP40.087.CST1N

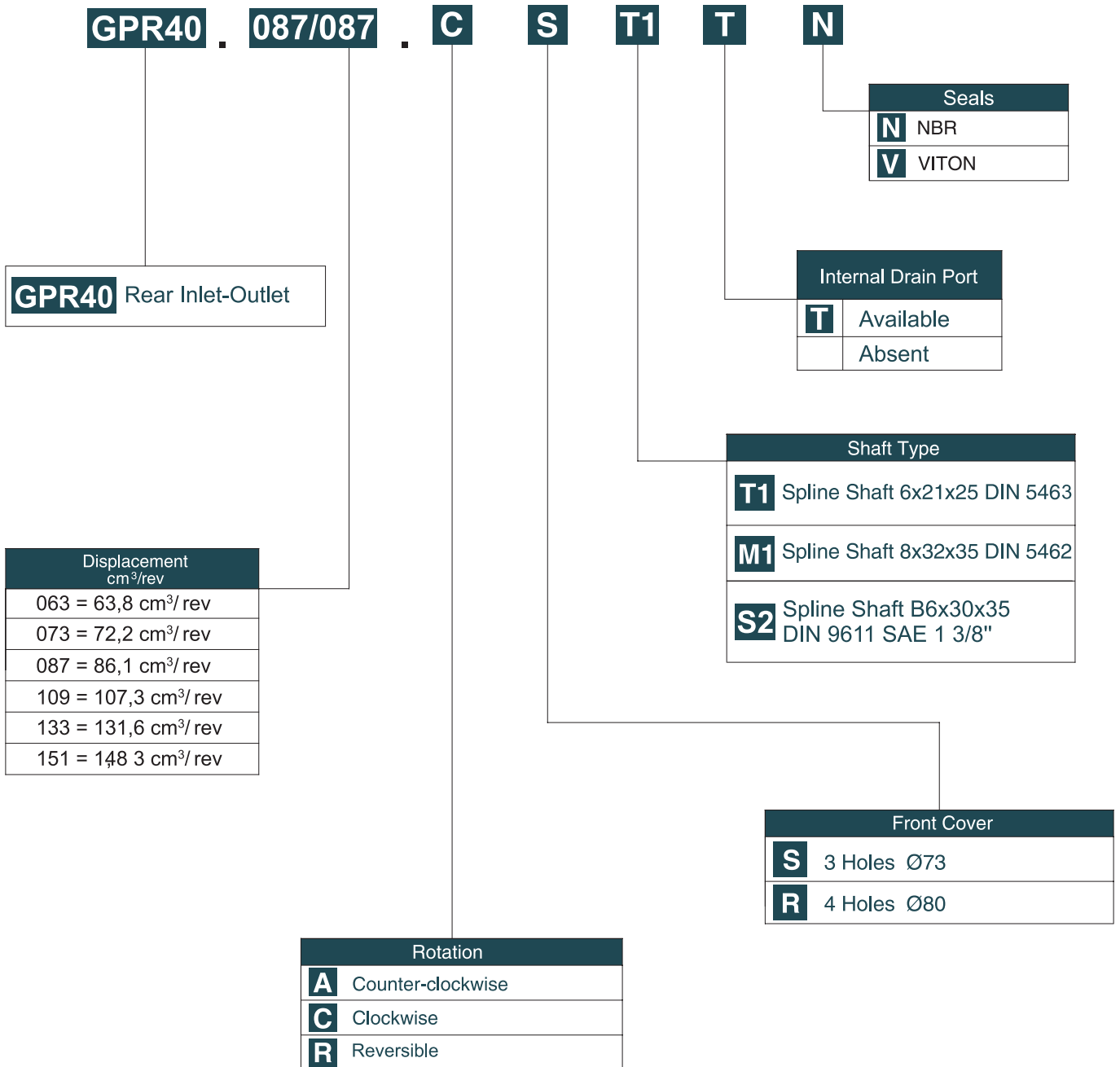
Code Example (Tandem) ; GP40.087/087.CST1N



Pump Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A ±0.4	B	Inlet	Outlet
						C	c
GPR40.063.CRM1N	63,8	280	2750	136,3	208,5	G 1"	G 3/4"
GPR40.063.ARM1N							
GPR40.073.CRM1N	72,2	260		137,3	210,0		
GPR40.073.ARM1N							
GPR40.087.CRM1N	86,1	240	2500	141,0	214,0	G 1-1/4"	G 1"
GPR40.087.ARM1N							
GPR40.109.CRM1N	107,3	220		145,0	221,5		
GPR40.109.ARM1N							
GPR40.133.CRM1N	131,6	180	148,0	230,5	G 1-1/2"		
GPR40.133.ARM1N							
GPR40.151.CRM1N	148,3	180	153,3	236,5			
GPR40.151.ARM1N							

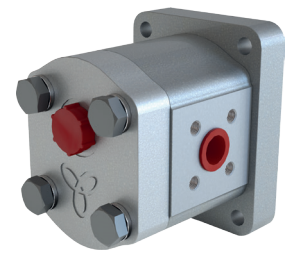
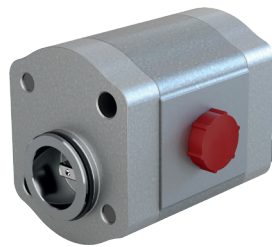
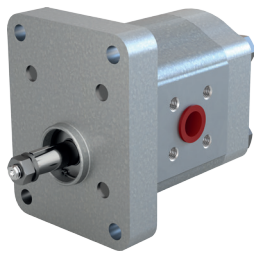


ORDERING CODE OF GP40 PUMPS

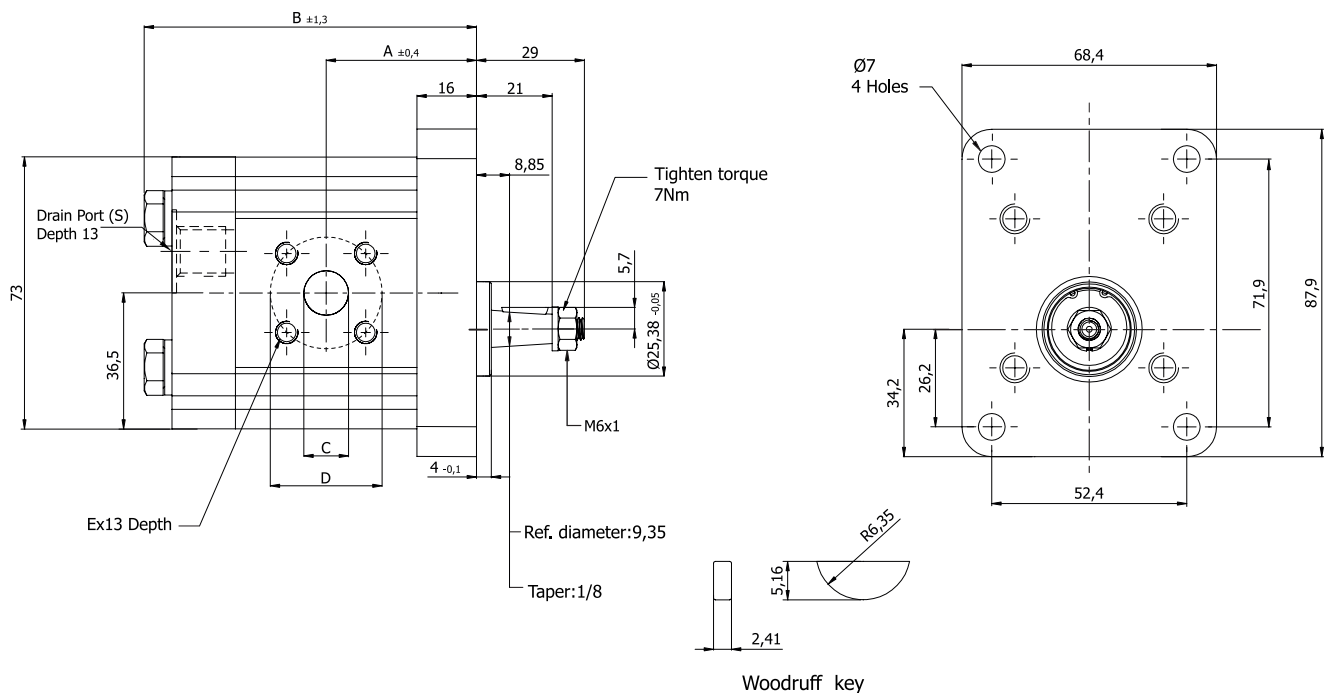


Code Example (Single) ; GPR40.087.CST1N

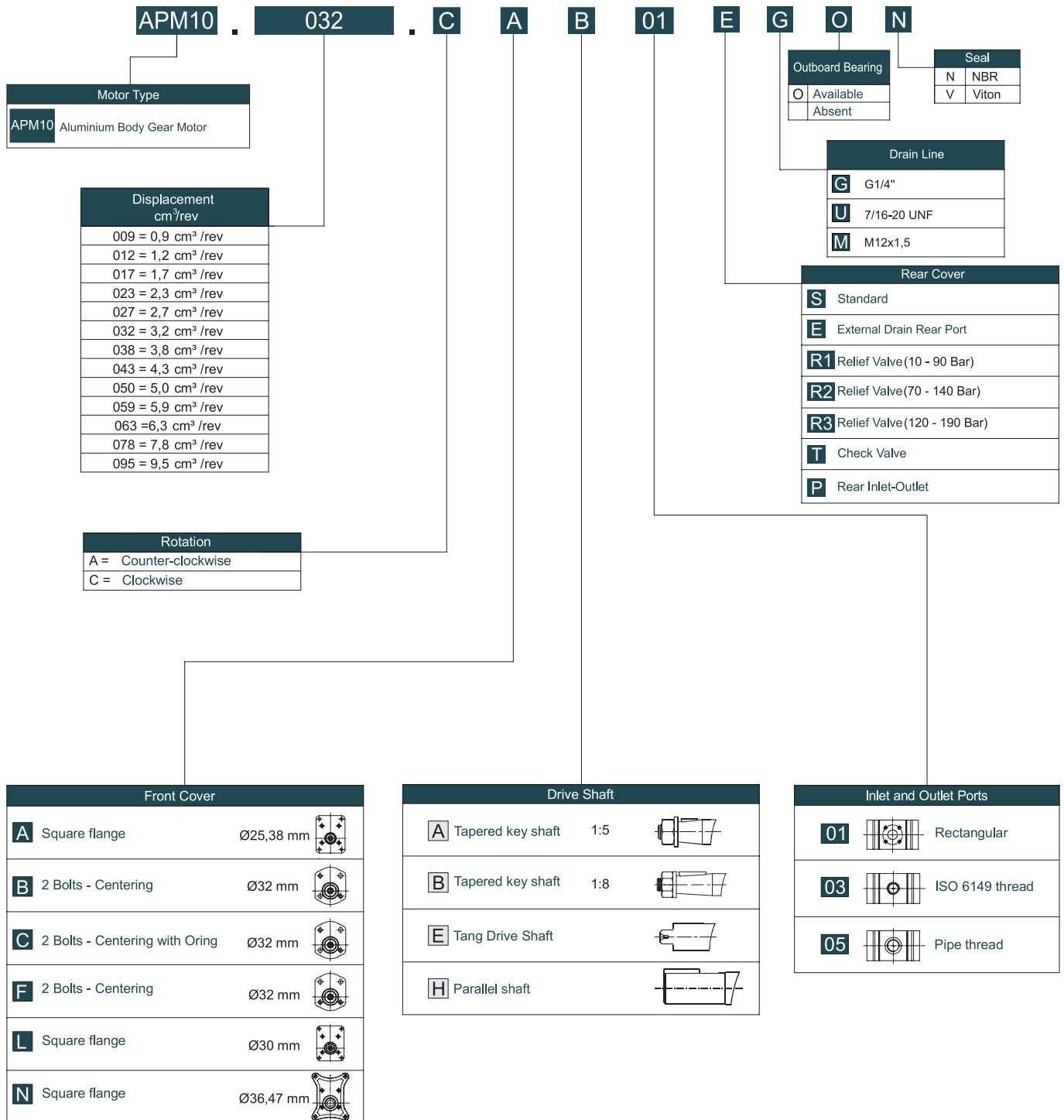
Code Example (Tandem) ; GPR40.087/087.CST1N



Motor Type	Displacement cm ³ /rev	Max. Pressure bar	Max. Speed rpm	A ±0,4	B	Inlet/Outlet			Drain
						C	D	E	S
APM10.009.RAB01EGN	0,9	220	4000	34,9	78,1	12	30	M6	G 1/4"
APM10.012.RAB01EGN	1,2			35,5	79,3				
APM10.017.RAB01EGN	1,7			36,5	81,3				
APM10.023.RAB01EGN	2,3			37,5	83,3				
APM10.027.RAB01EGN	2,7			38,5	85,3				
APM10.032.RAB01EGN	3,2			39,3	86,8				
APM10.038.RAB01EGN	3,8			40,5	89,3				
APM10.043.RAB01EGN	4,3			41,5	91,3				
APM10.050.RAB01EGN	5,0			43,0	94,3				
APM10.059.RAB01EGN	5,9			44,8	97,8				
APM10.063.RAB01EGN	6,3	210	3500	45,5	99,3				
APM10.078.RAB01EGN	7,8			48,5	105,3				
APM10.095.RAB01EGN	9,5			200	52,0				



ORDERING CODE OF APM10 MOTOR



- Code Example (Single) ; APM10.032.RAB01EGN

ORDERING CODE OF GROUP 20 MOTORS

APM20 . 115 . R A B 02 E G O N

Motor Type
APM20 Aluminium Body Gear Motor

Displacement cm ³ /rev
040 = 3,9 cm ³ /rev
060 = 5,9 cm ³ /rev
080 = 8,0 cm ³ /rev
095 = 9,4 cm ³ /rev
115 = 11,4 cm ³ /rev
140 = 13,9 cm ³ /rev
160 = 16,0 cm ³ /rev
190 = 19,2 cm ³ /rev
220 = 21,9 cm ³ /rev
250 = 24,8 cm ³ /rev
280 = 27,9 cm ³ /rev
320 = 32,0 cm ³ /rev
340 = 34,0 cm ³ /rev
380 = 38,0 cm ³ /rev
400 = 40,0 cm ³ /rev











Rotation
A = Counter-clockwise
C = Clockwise
R = Reversible













Outboard Bearing
O Available
Absent







Seal
N NBR
V Viton

Drain Line
G G1/4"
U 7/16-20 UNF
M M12x1,5

Rear Cover
S Standard
E External Drain Rear Port
R1 Relief Valve (10 - 90 Bar)
R2 Relief Valve (70 - 140 Bar)
R3 Relief Valve (120 - 190 Bar)
D Flow Divider Valve
H Flow Control Valve With Relief Valve
L Load Sensing Valve
T Check Valve
P Rear Inlet-Outlet
C Flow Control Valve Pressure Compensated

Front Cover		
A Square flange	Ø36,47 mm	
B 2 Bolts - Centering	Ø50 mm	
C 2 Bolts - Centering with oring	Ø52 mm	
D 2 Bolts SAE 'A'	Ø82,55 mm	
E 2 Bolts - Centering	Ø50 mm	
G Square flange	Ø80 mm	
H Outboard bearing	Ø80 mm	
K 2 Bolts SAE 'B'	Ø101,6 mm	
M 2 Bolts - Centering	Ø52,34 mm	
N 4 Bolts - Centering O-ring	Ø52 mm	

Drive Shaft		
A Tapered key shaft	1:5	 B E G
B Tapered key shaft	1:8	 A
C SAE spline shaft 9T		 B D
E Tang drive shaft		 C H
F SAE spline shaft 11T		 D
G Spline shaft (B17x14)		 A B E G
H Parallel shaft		 B D G
K Tapered key shaft	1:5	 H
L Tapered key shaft	1:5	 G
M SAE spline shaft 16/32 DP 10T		 D
N Tapered key shaft	1:8	 M
T Tang drive shaft		 N

Inlet and Outlet Ports		
01		Rectangular
02		Diamond
03		ISO 6149 oring boss
04		UNF thread
05		Pipe thread
06		SAE Square Flange Thread Metric

Code Example ; APM20.115.RAB02EGN

ORDERING CODE OF GROUP 20 MOTORS

DKM20 . 115 . R A B 02 E G O N

Motor Type
DKM20 Cast Iron Body Gear Motor

Displacement cm ³ /rev
040 = 3,9 cm ³ /rev
060 = 5,9 cm ³ /rev
080 = 8,0 cm ³ /rev
095 = 9,4 cm ³ /rev
115 = 11,4 cm ³ /rev
140 = 13,9 cm ³ /rev
160 = 16,0 cm ³ /rev
190 = 19,2 cm ³ /rev
220 = 21,9 cm ³ /rev
250 = 24,8 cm ³ /rev
280 = 27,9 cm ³ /rev
320 = 32,0 cm ³ /rev
340 = 34,0 cm ³ /rev
380 = 38,0 cm ³ /rev
400 = 40,0 cm ³ /rev











Rotation
A = Counter-clockwise
C = Clockwise
R = Reversible













Outboard Bearing
O Available
Absent







Seal
N NBR
V Viton

Drain Line
G G1/4"
U 7/16-20 UNF
M M12x1,5

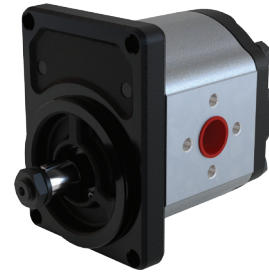
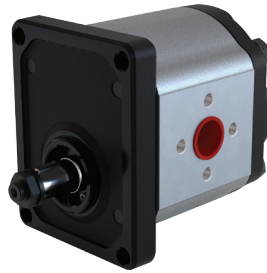
Rear Cover
S Standard
E External Drain Rear Port
R1 Relief Valve (10 - 90 Bar)
R2 Relief Valve (70 - 140 Bar)
R3 Relief Valve (120 - 190 Bar)
D Flow Divider Valve
H Flow Control Valve With Relief Valve
L Load Sensing Valve
T Check Valve
P Rear Inlet-Outlet
C Flow Control Valve Pressure Compensated

Front Cover		
A Square flange	Ø36,47 mm	
B 2 Bolts - Centering	Ø50 mm	
C 2 Bolts - Centering with oring	Ø52 mm	
D 2 Bolts SAE 'A'	Ø82,55 mm	
E 2 Bolts - Centering	Ø50 mm	
G Square flange	Ø80 mm	
H Outboard bearing	Ø80 mm	
K 2 Bolts SAE 'B'	Ø101,6 mm	
M 2 Bolts - Centering	Ø52,34 mm	
N 4 Bolts - Centering O-ring	Ø52 mm	

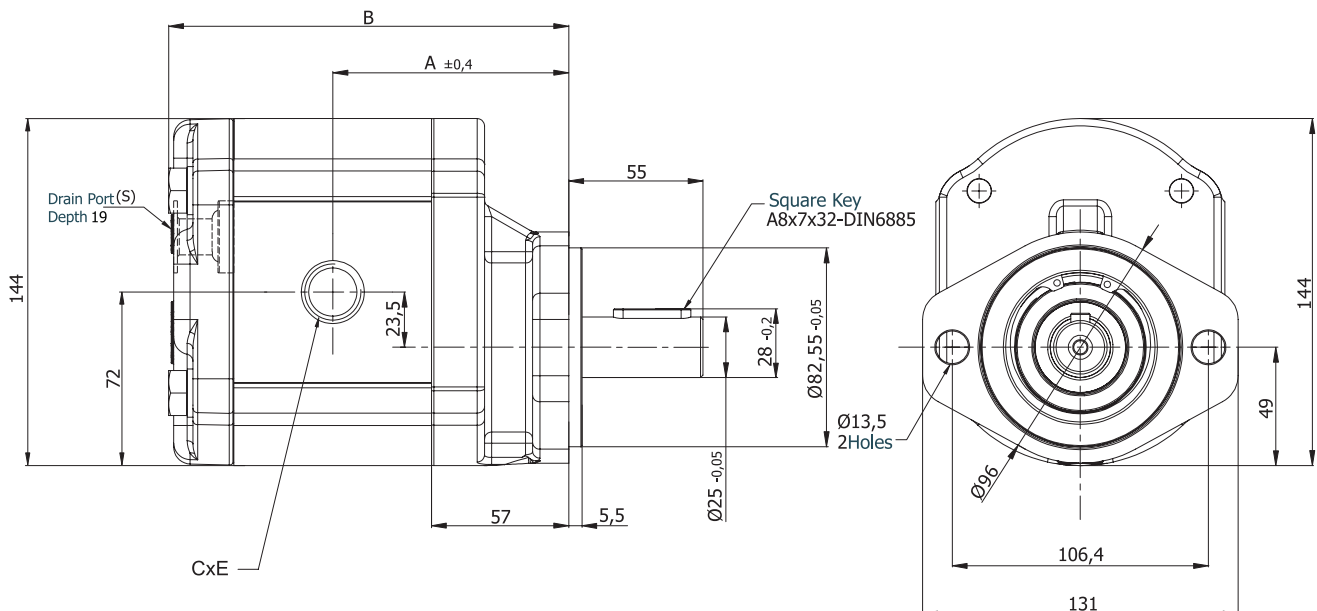
Drive Shaft		
A Tapered key shaft	1:5	 B E G
B Tapered key shaft	1:8	 A
C SAE spline shaft 9T		 B D
E Tang drive shaft		 C H
F SAE spline shaft 11T		 D
G Spline shaft (B17x14)		 A B E G
H Parallel shaft		 B D G
K Tapered key shaft	1:5	 H
L Tapered key shaft	1:5	 G
M SAE spline shaft 16/32 DP 10T		 D
N Tapered key shaft	1:8	 M
T Tang drive shaft		 N

Inlet and Outlet Ports		
01		Rectangular
02		Diamond
03		ISO 6149 oring boss
04		UNF thread
05		Pipe thread
06		SAE Square Flange Thread Metric

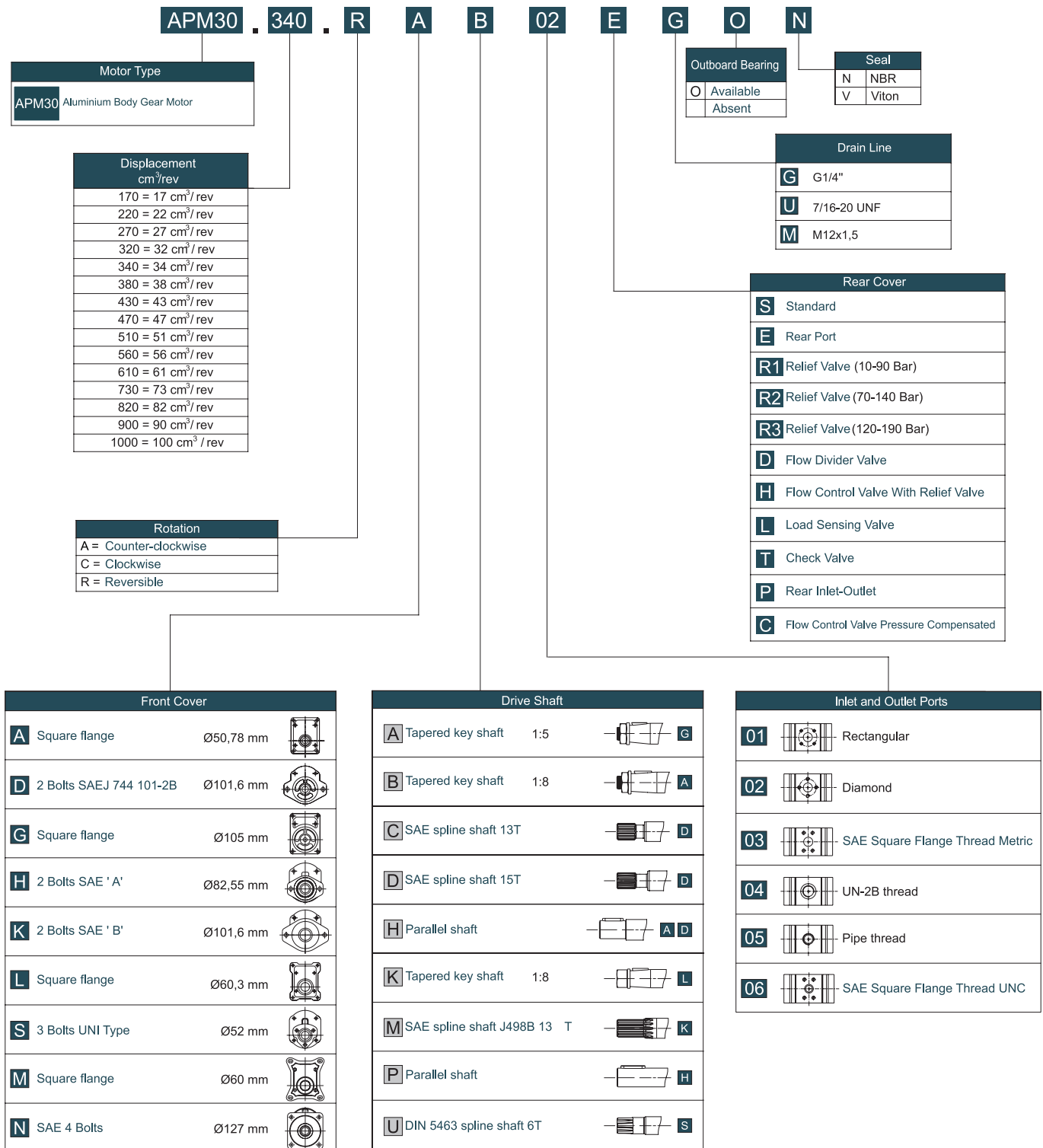
Code Example ; DKM20.115.RAB02EGN



Motor Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A ±0,4	B	Inlet		Drain
						C	E	S
APM30.170.RHP05EGN	17,0	250	3000	94,5	159,1	30,5	G1"	G 3/8"
APM30.220.RHP05EGN	22,0			96,5	163,1			
APM30.270.RHP05EGN	27,0			98,0	166,1			
APM30.320.RHP05EGN	32,0	240		99,5	169,1			
APM30.340.RHP05EGN	34,0			100,0	170,1			
APM30.380.RHP05EGN	38,0			101,5	173,1			
APM30.430.RHP05EGN	43,0	230	1750	103,0	176,1	39	G 1 1/4"	
APM30.470.RHP05EGN	47,0			104,5	179,1			
APM30.510.RHP05EGN	51,0	210	2500	105,5	181,1	45	G 1 1/2"	
APM30.560.RHP05EGN	56,0	200		106,5	183,1			
APM30.610.RHP05EGN	61,0	180	1500	109,0	188,1	45	G 1 1/2"	
APM30.730.RHP05EGN	73,0	170		112,0	195,1			
APM30.820.RHP05EGN	82,0	160		115,0	201,1			
APM30.900.RHP05EGN	90,0	150		118,0	207,1			
APM30.1000.RHP05EGN	100,0	140		121,0	213,1			



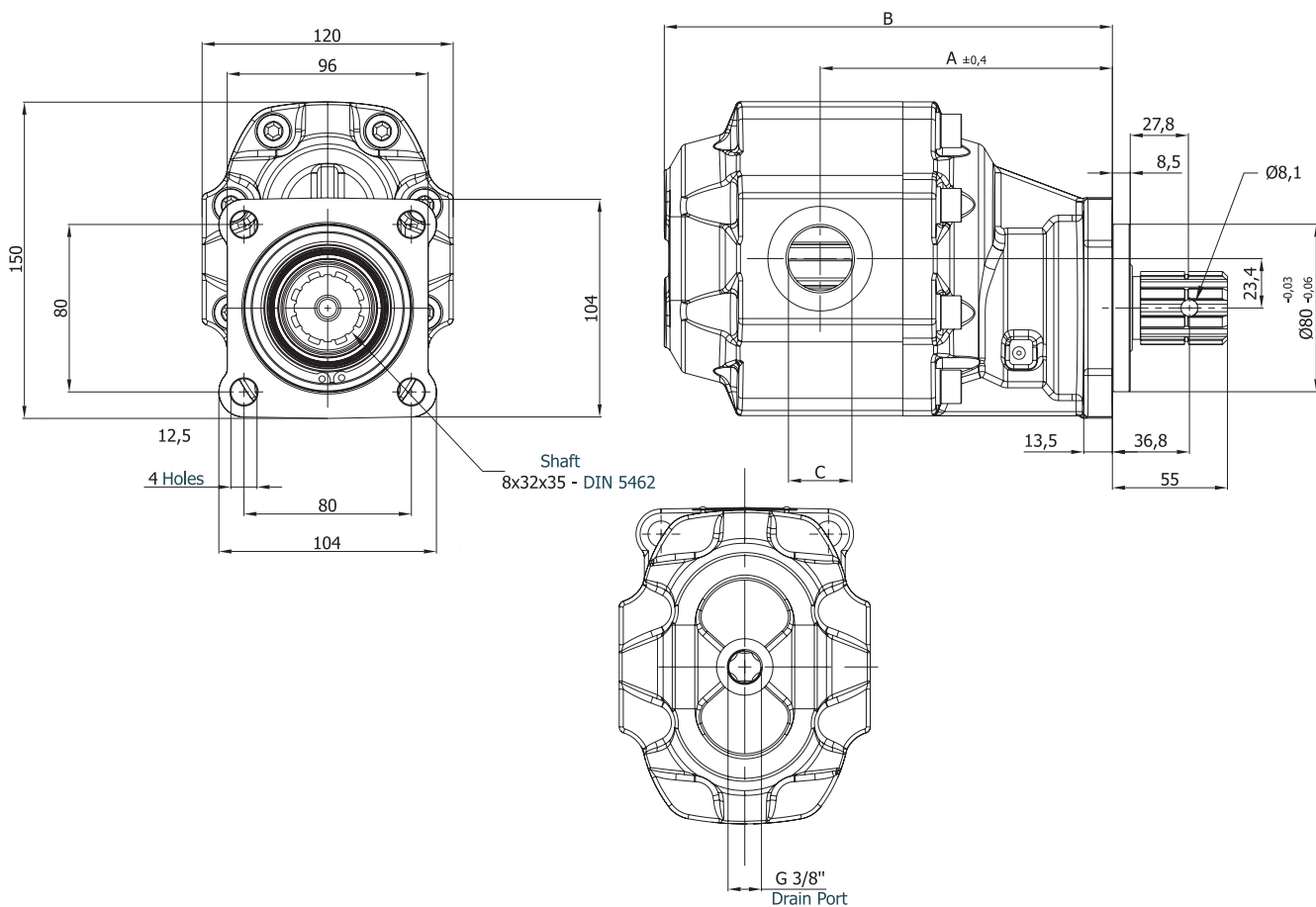
ORDERING CODE OF GROUP30 MOTORS



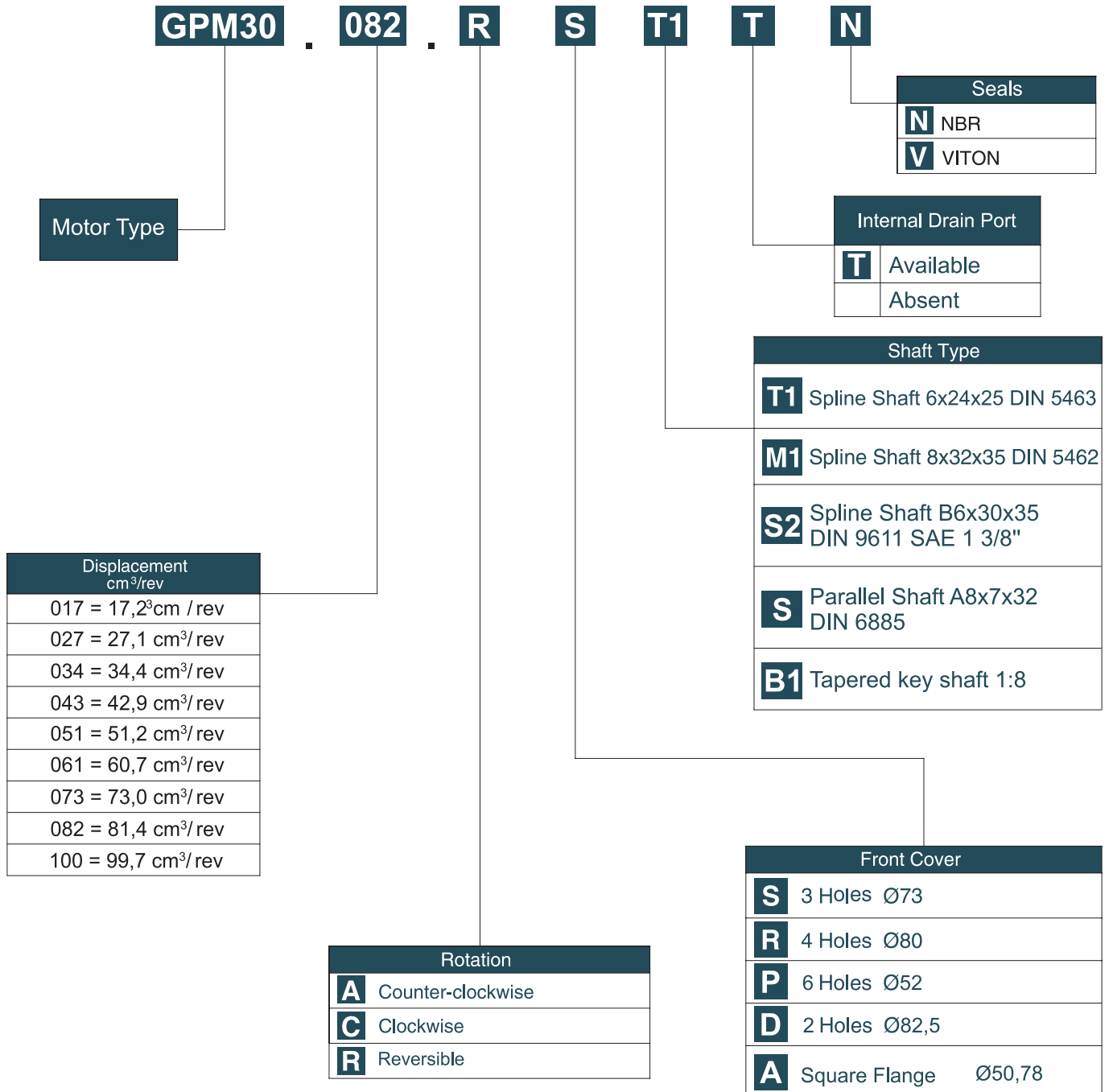
Code Example ; APM30.340.RAB02EGN



Motor Type	Displacement cm ³ /rev	Max. Pressure (bar)	Max. Speed rpm	A	B	Inlet	Outlet
						C	c
GPM30.017.RRM1N	17,2	300	3000	119,0	172,6	G 1/2"	G 1/2"
GPM30.027.RRM1N	27,1	290		122,2	179,0		
GPM30.034.RRM1N	34,4	280	2750	124,5	183,6	G 3/4"	G 3/4"
GPM30.043.RRM1N	42,9	270	2500	127,4	189,4		
GPM30.051.RRM1N	51,2	240		2000	129,5	193,5	G 1"
GPM30.061.RRM1N	60,7	220	1750	133,2	201,0		
GPM30.073.RRM1N	73,0	200		137,1	208,7	G 1-1/4"	G 1-1/4"
GPM30.082.RRM1N	81,4	190	140,0	214,5			
GPM30.100.RRM1N	99,7	180	145,8	226,1			

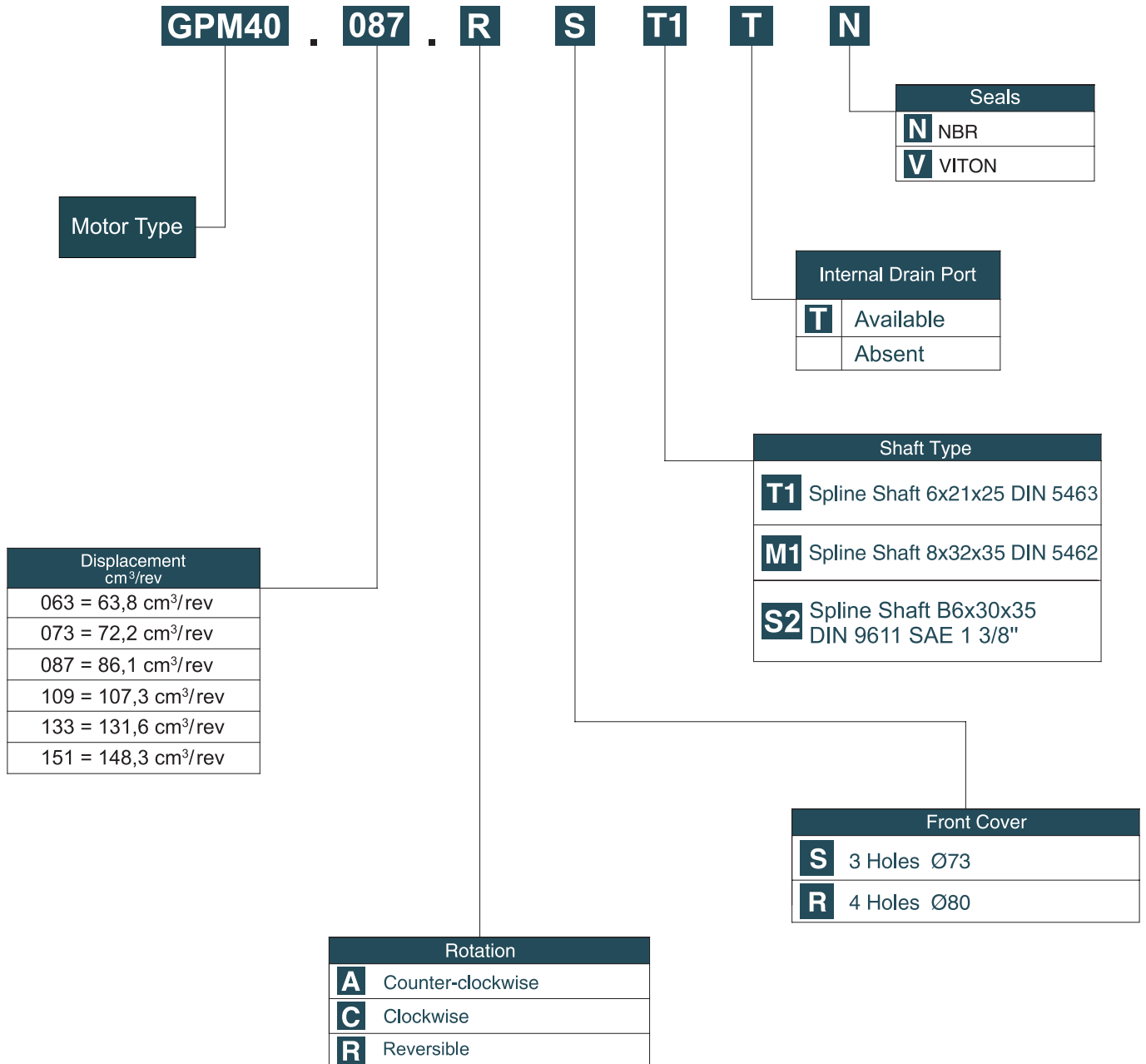


ORDERING CODE OF GPM30 MOTORS

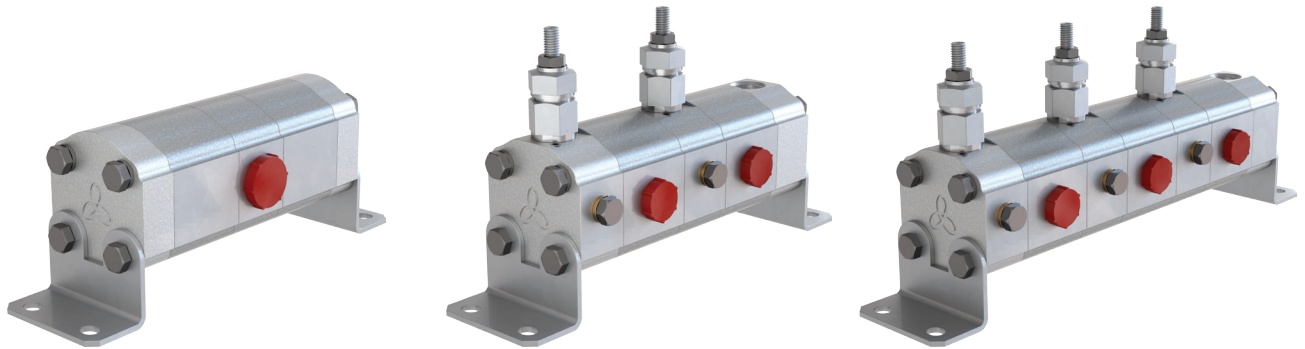


Code Example ; GPM30.082.RST1N

ORDERING CODE OF GPM40 MOTORS

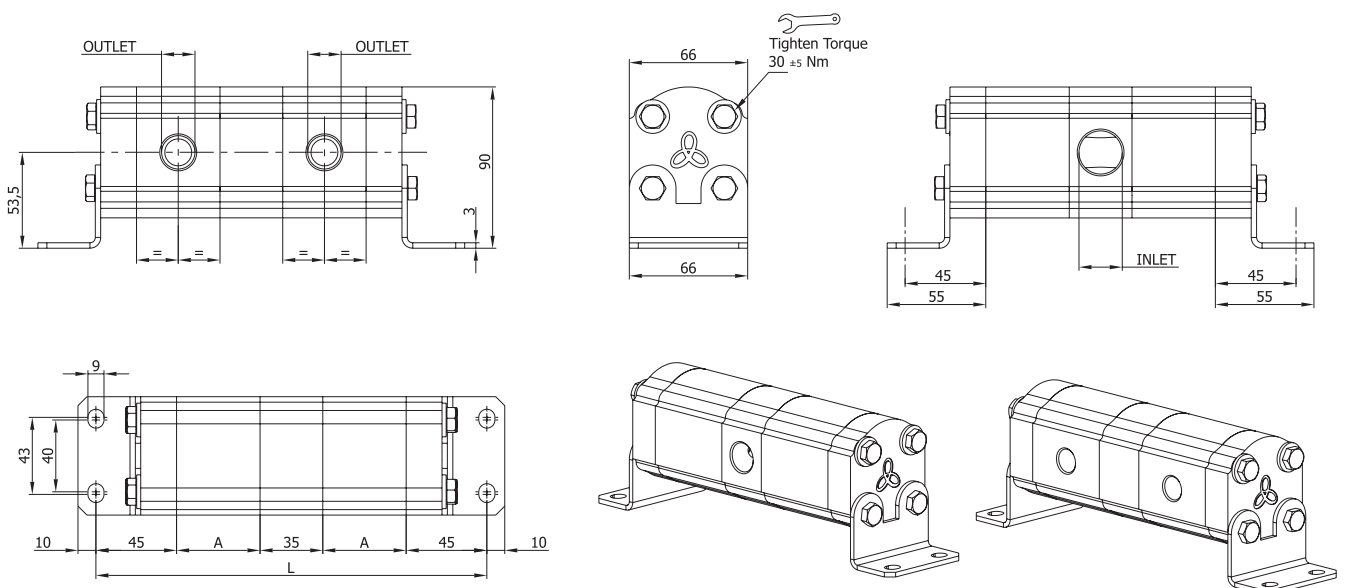


Code Example; GPM40.087.RST1N

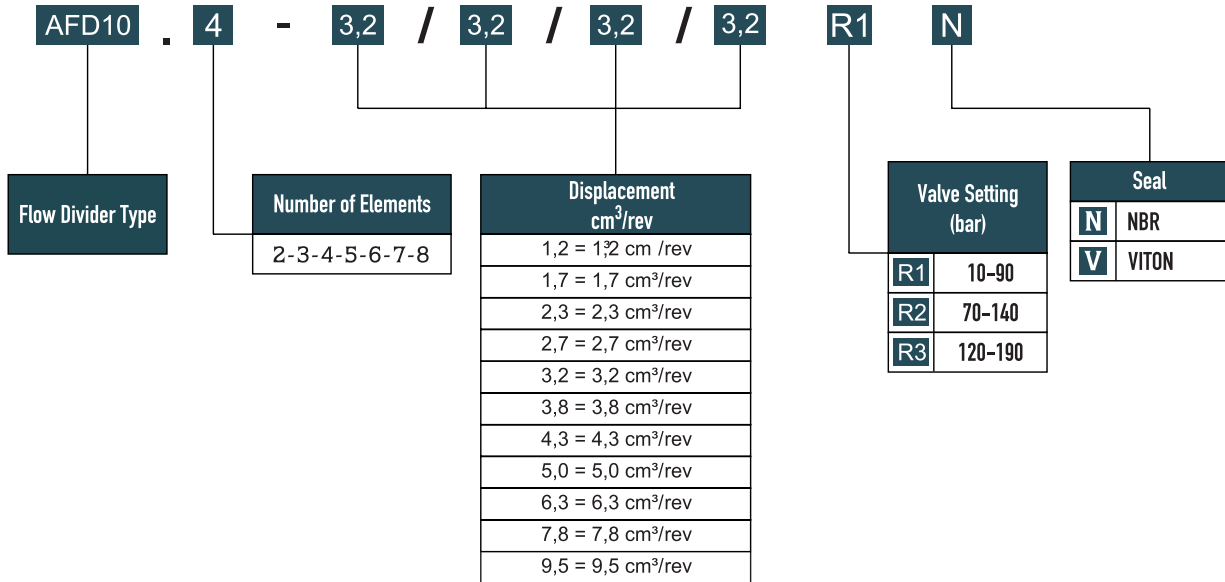


Type	cm ³ /rev	A	Inlet	Outlet	(L) Length						
					2	3	4	5	6	7	8
AFD10.X.1.2N	1,2	39	G 1/2"	G 3/8"	203,0	277,0	351,0	425,0	499,0	573,0	647,5
AFD10.X.1.7N	1,7	41			207,0	283,0	359,0	435,0	511,0	587,0	663,5
AFD10.X.2.3N	2,3	43			211,0	289,0	367,0	443,0	523,0	601,0	679,5
AFD10.X.2.7N	2,7	45			215,0	295,0	375,0	455,0	535,0	615,0	695,5
AFD10.X.3.2N	3,2	46,5			218,0	300,0	381,5	463,0	545,0	626,5	708,0
AFD10.X.3.8N	3,8	49			223,0	307,0	391,0	475,0	559,0	643,0	727,5
AFD10.X.4.3N	4,3	51			227,0	313,0	399,0	485,0	571,0	657,0	743,5
AFD10.X.5.0N	5,0	54			233,0	322,0	411,0	500,0	589,0	678,0	767,5
AFD10.X.6.3N	6,3	59			243,0	337,0	431,0	525,0	619,0	713,0	807,5
AFD10.X.7.8N	7,8	65			255,0	355,0	455,0	555,0	655,0	755,0	855,5
AFD10.X.9.5N	9,5	72			269,0	376,0	483,0	590,0	697,0	804,0	911,5

Number of Elements	2	3	4	5	6	7	8
Number of Inlets	1	1	2	2	3	3	4



ORDERING CODE OF GROUP 10 FLOW DIVIDERS



Code Example (Same displacement); AFD10.3-3,2N

Code Example (Different displacement); AFD10.3-3,2/2,7/2,3N

TECHNICAL DATA

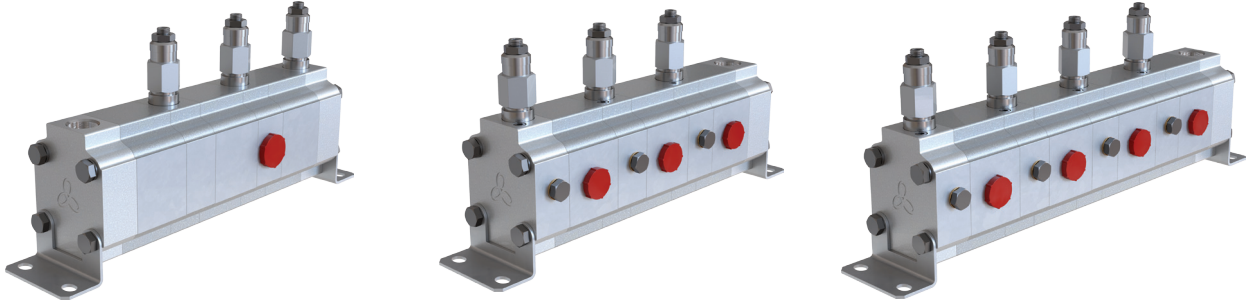
Type	Displacement cm ³ /dev	Max. Pressure		ΔP bar	Max. Speed rpm	Min. Speed rpm	Min. Flow Rate l/min	Maks. Flow Rate l/min
		P1	P3					
		bar						
AFD10.X.1,2N	1,2	220	280	40	3500	1200	1,5	4,2
AFD10.X.1,7N	1,7						2,0	6,0
AFD10.X.2,3N	2,3						2,8	8,0
AFD10.X.2,7N	2,7						3,2	9,5
AFD10.X.3,2N	3,2						3,8	10,8
AFD10.X.3,8N	3,8				4,6	11,4		
AFD10.X.4,3N	4,3				5,2	12,9		
AFD10.X.5,0N	5,0				6,0	15,0		
AFD10.X.6,3N	6,3				7,6	18,9		
AFD10.X.7,8N	7,8				9,4	23,4		
AFD10.X.9,5N	9,5	11,4	28,5					

P1: Continuous pressure

P3 : Peak pressure

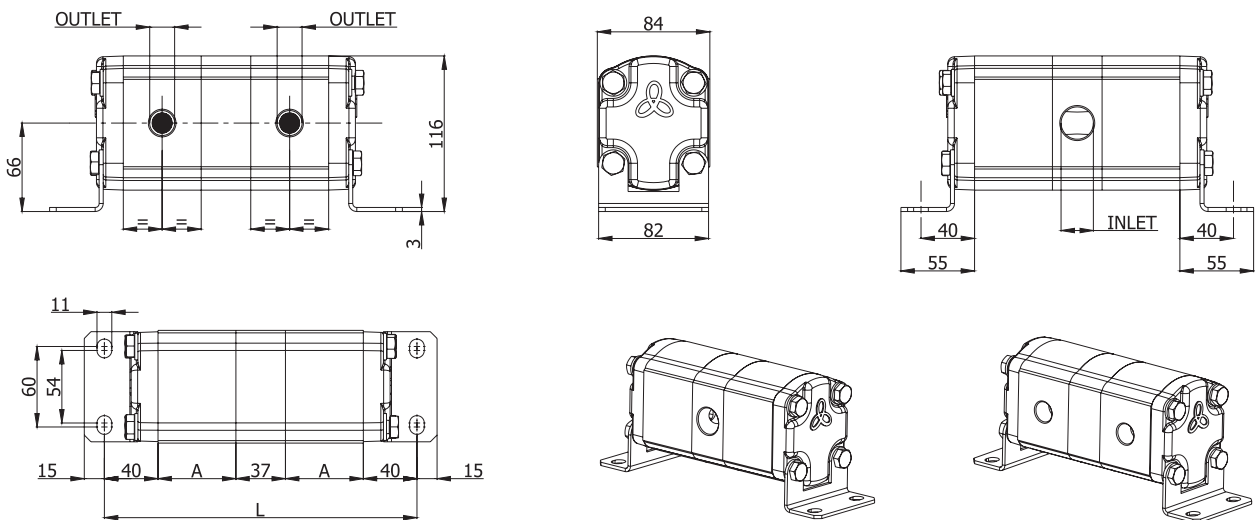
MAX. FLOW FOR INLET SECTION

37,5 lt/dk (l/min)

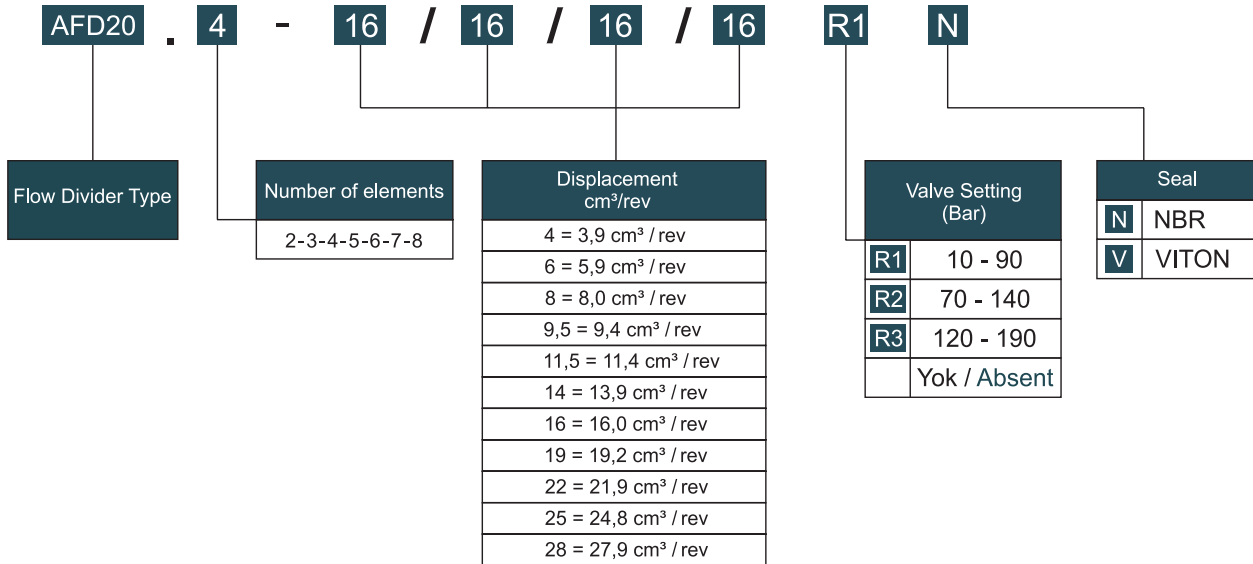


Tipi Type	cm ³ /rev	A	Giriş Inlet	Çıkış Outlet	(L) Boyu - Length						
					2	3	4	5	6	7	8
AFD20.X.4N	3,9	46,5	G 3/4"	G 1/2"	210,0	293,5	377,0	460,5	544,0	627,4	710,8
AFD20.X.6N	5,9	49,5			216,0	302,5	389,0	475,5	562,0	648,5	735,0
AFD20.X.8N	8,0	52,5			222,0	311,5	401,0	490,5	580,0	669,6	759,2
AFD20.X.9.5N	9,4	55,0			227,0	319,0	411,0	503,0	595,0	686,9	778,8
AFD20.X.11.5N	11,4	58,0			233,0	328,0	423,0	518,0	613,0	708,1	803,2
AFD20.X.14N	13,9	62,0			241,0	340,0	439,0	538,0	637,0	736,0	835,0
AFD20.X.16N	16,0	65,0			247,0	349,0	451,0	553,0	655,0	757,2	859,4
AFD20.X.19N	19,2	82,0			281,0	400,0	519,0	638,0	757,0	876,2	995,4
AFD20.X.22N	21,9	86,5			290,0	413,5	537,0	660,5	784,0	907,5	1031,0
AFD20.X.25N	24,8	91,6			300,0	429,0	557,5	686,0	815,0	943,6	1072,2
AFD20.X.28N	27,9	96,0			309,0	442,0	575,0	708,0	841,0	973,9	1106,9

Number of Elements	2	3	4	5	6	7	8
Number of Inlets	1	1	2	2	3	3	4



ORDERING CODE OF GROUP 20 FLOW DIVIDERS



Code Example (Same displacement) ; AFD20.3-16N

Code Example (Different displacement) ; AFD20.3-16/14/11,5N

TECHNICAL DATA

Type	Displacement cm³/rev	Max. Pressure		ΔP bar	Max. Speed rpm	Min. Speed	Min. Flow Rate l/min	Maks. Flow Rate
		P1	P3					
		bar						
AFD20.X.4N	3,9	250	280	50	3000	1250	4,8	11,2
AFD20.X.6N	5,9						7,3	16,8
AFD20.X.8N	8,0						10,0	22,8
AFD20.X.9,5N	9,4						11,2	24,6
AFD20.X.11,5N	11,4	230	260	40	2750	1200	13,8	29,8
AFD20.X.14N	13,9						16,6	36,3
AFD20.X.16N	16,0						19,2	38,0
AFD20.X.19N	19,2	210	240	30	2500	1100	22,0	46,0
AFD20.X.22N	21,9	190	220				25,2	47,8
AFD20.X.25N	24,8	170	200				28,5	52,0
AFD20.X.28N	27,9	160	190				32,0	54,7

P1: Continuous pressure

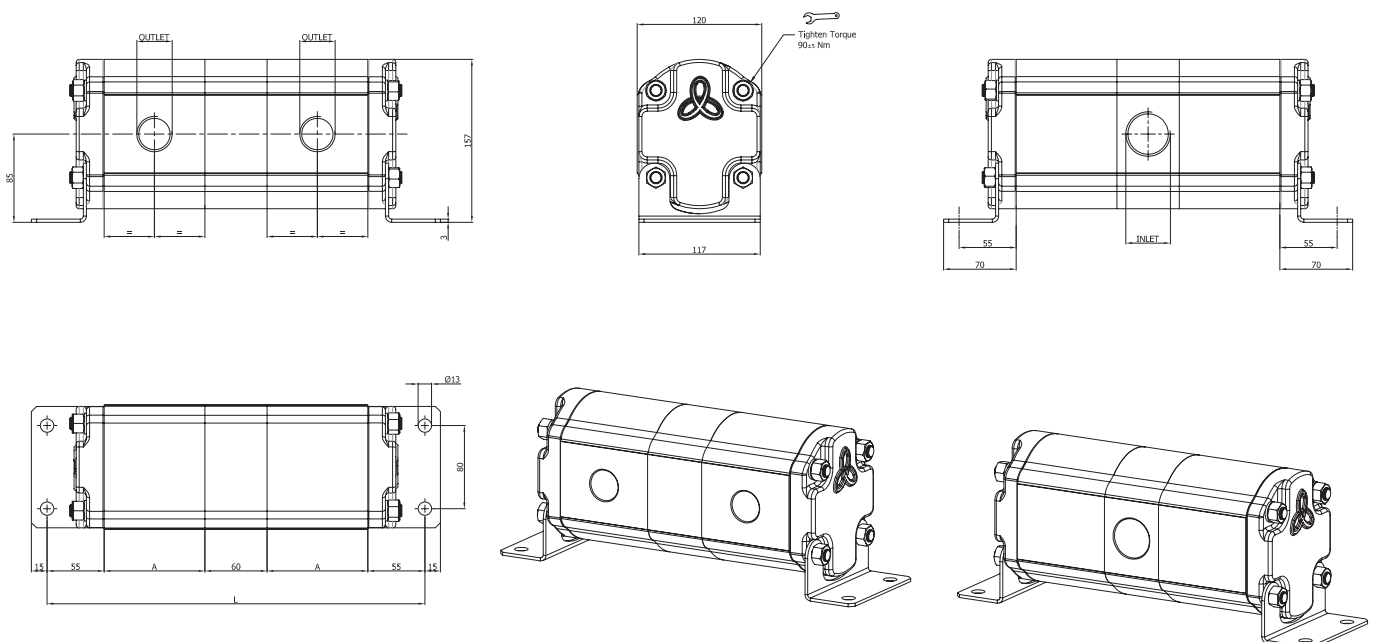
P3 : Peak pressure

MAX. FLOW FOR INLET SECTION
80 lt/dk (l/min)

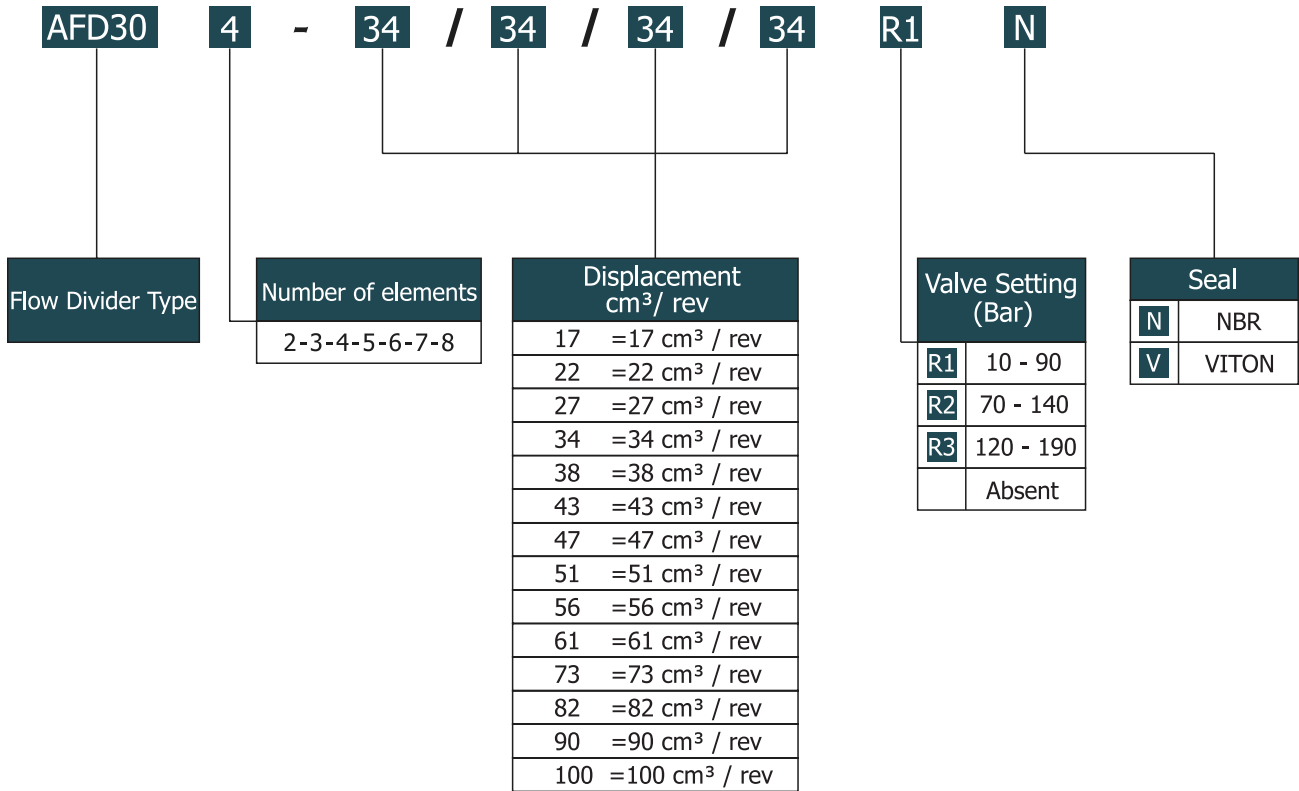


Type	Displacement cm ³ /rev	A	INLET	OUTLET	(L) Length							
					2	3	4	5	6	7	8	
AFD30.X-17N	17	75,1	G 1"	G 3/4"	320,2	455,3	590,4	725,5	860,6	995,7	1130,8	
AFD30.X-22N	22	79,1			328,2	467,3	606,4	745,5	884,6	1023,7	1162,8	
AFD30.X-27N	27	82,1	G 1 1/4"	G 1"	334,2	476,3	618,4	760,5	902,6	1044,7	1186,8	
AFD30.X-34N	34	86,1			342,2	488,3	634,4	780,5	926,6	1072,7	1218,8	
AFD30.X-38N	38	89,1			348,2	497,3	646,4	795,5	944,6	1093,7	1242,8	
AFD30.X-43N	43	92,1			354,2	506,3	658,4	810,5	962,6	1114,7	1266,8	
AFD30.X-47N	47	95,1			360,2	515,3	670,4	825,5	980,6	1135,7	1290,8	
AFD30.X-51N	51	97,1			364,2	521,3	678,4	835,5	992,6	1149,7	1306,8	
AFD30.X-56N	56	99,1			368,2	527,3	686,4	845,5	1004,6	1163,7	1322,8	
AFD30.X-61N	61	104,1			378,2	542,3	706,4	870,5	1034,6	1198,7	1362,8	
AFD30.X-73N	73	111,1			392,2	563,3	734,4	905,5	1076,6	1247,7	1418,8	
AFD30.X-82N	82	117,1			404,2	581,3	758,4	935,5	1112,6	1289,7	1466,8	
AFD30.X-90N	90	123,1	G 1 1/4"	G 1 1/4"	416,2	599,3	782,4	965,5	1148,6	1331,7	1514,8	
AFD30.X-100N	100	129,1			428,2	617,3	806,4	995,5	1184,6	1373,7	1562,8	

Number of elements	2	3	4	5	6	7	8
Number of inlets	1	1	2	2	3	3	4



ORDERING CODE OF GROUP 30 FLOW DIVIDERS



Code Example (Same displacement);AFD30.3-34N

Code Example (Different displacement);AFD30.3-34/27/22N

Type	Displacement cm ³ /rev	Max. pressure		ΔP (bar)	Max. Speed	Min. Speed	Min. Flow Rate l/min	Max. Flow Rate l/min
		P1	P3		rpm			
AFD30.X-17N	17	250	280	60	3000	1100	18,7	51,0
AFD30.X-22N	22						24,2	66,0
AFD30.X-27N	27						29,7	81,0
AFD30.X-34N	34	37,4	102,0					
AFD30.X-38N	38	41,8	114,0					
AFD30.X-43N	43	47,3	129,0					
AFD30.X-47N	47	47,0	117,5		2500	1000		
AFD30.X-51N	51	210	240				51,0	127,5
AFD30.X-56N	56	200	230				56,0	140,0
AFD30.X-61N	61	180	210				61,0	152,5
AFD30.X-73N	73	170	200				65,7	146,0
AFD30.X-82N	82	160	190				73,8	164,0
AFD30.X-90N	90	150	180	81,0	180,0			
AFD30.X-100N	100	140	170	90,0	200,0			

P1: Continuous pressure

P3 : Peak pressure

MAX. FLOW FOR EACH INLET SECTIONS	
G 1"	200 l/min
G 1 1/4"	360 l/min

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