

Hydraulic Motors
M5* Series

Denison Vane Technology, fixed displacement

Parker

ENGINEERING YOUR SUCCESS.

M5BF model description

Model No. M5BF - 036 - W R 04 - B 1 Y - 0 R P 28

M5BF series
2-bolts mounting flange, pilot Ø 135

Cam ring
Volumetric displacement (ml/rev)
012 = 12,5 028 = 28,0
018 = 18,0 036 = 36,0
023 = 23,0 045 = 45,0

Type of shaft
1 = Taper (non SAE)
2 = Keyed (SAE C)
W = Keyed cyl. (ISO G32N)

Direction of rotation (shaft end view)
R = Clockwise (with anti-cavitation check valve)
L = Counter-clockwise (with anti-cavitation check valve)
N = Bi-rotational (without any anti-cavitation check valve)

End cap type (See table)
Motor with side ports : 01, 02, 03, 04

Design letter

Seal class
1 = S1 BUNA N
5 = S5 - VITON®

Max pressure setting value
00 = For motor without pressure valve
21 = Valve set at 210 bar
28 = Valve set at 280 bar
** Customised value (please consult Parker)

Pressure valve type
0 = Without pressure valve
P = Proportional valve
M = Mechanical valve

Option
0 = No option
A = Anti-starve valve (only with end cap M & 0)
R = Reverse valve (only Y and W)

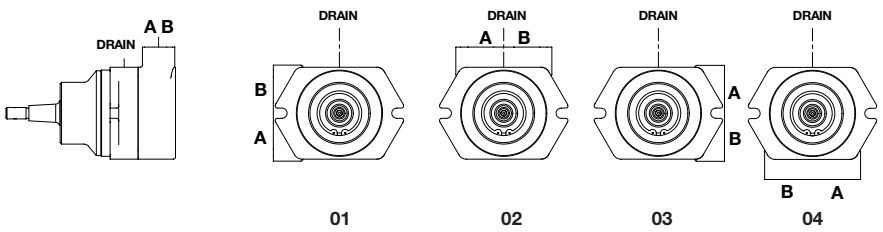
Connection variables

M5BF uni-rotational and bi-rotational series		
Code	A & B ports	Drain port
M	4 bolts SAE flange 3/4'' with metric threads	Metric threaded port M18 x 1,5
0	4 bolts SAE flange 3/4'' with UNC threads	UNF threaded port SAE 6
Y	Metric threaded port M27 x 2	Metric threaded port M18 x 1,5
W	UNF threaded port SAE 12	UNF threaded port SAE 6

M5BF reverse valve option			
Code	A port	B port	Drain port
Y	Metric threaded port M27 x 2	Metric threaded port M33 x 2	Metric threaded port M18 x 1,5
W	UNF threaded port SAE 12	UNF threaded port SAE 16	UNF threaded port SAE 6

Position of the ports (Rotation way see page 21)

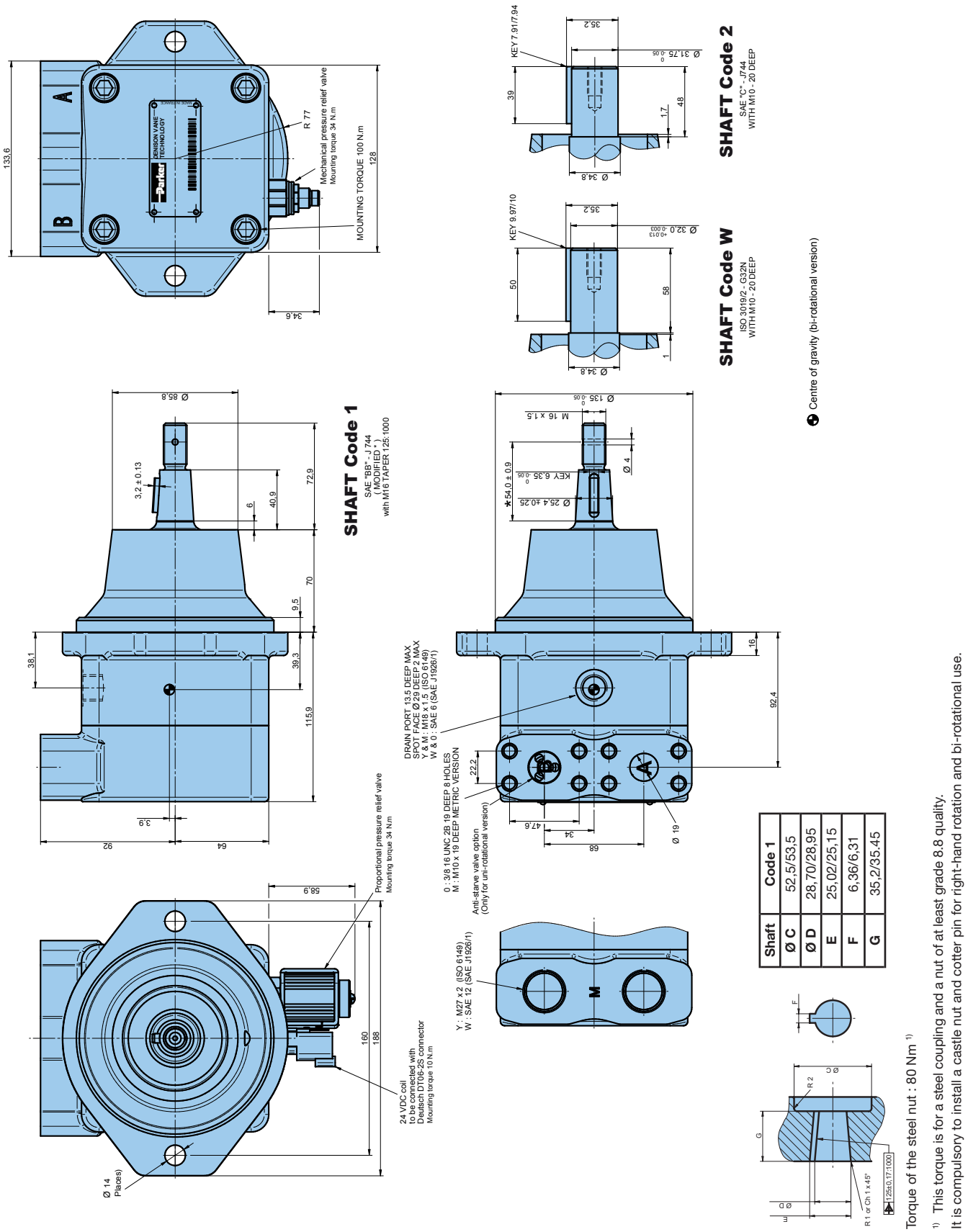
Motor with side ports
Shaft end view



Parker Hannifin Manufacturing France SAS
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M5BF motor

Weight : 18,5 kg



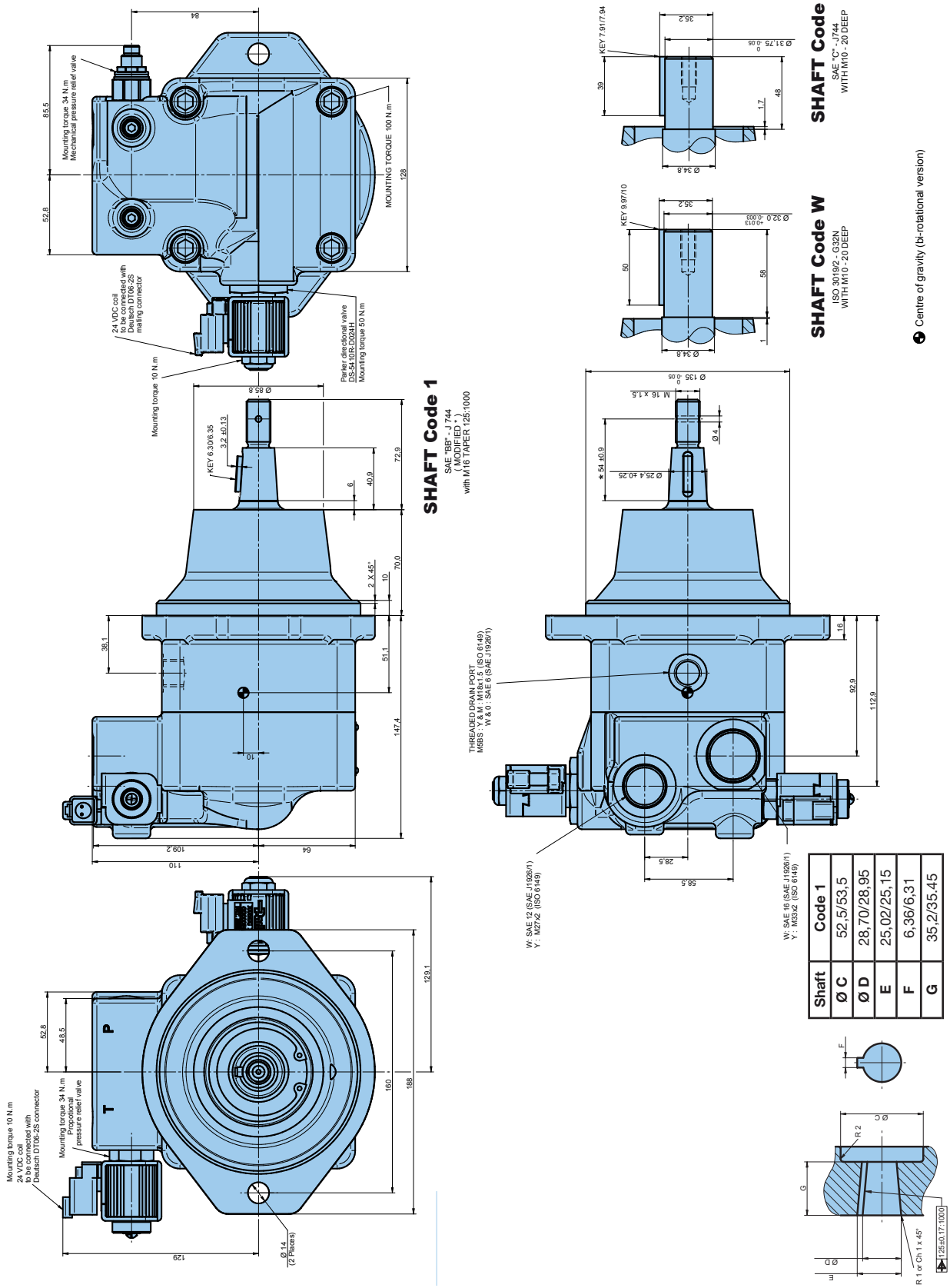
Shaft	Code 1
Ø C	52,5/53,5
Ø D	28,70/28,95
E	25,02/25,15
F	6,36/6,31
G	35,2/35,45

Torque of the steel nut : 80 Nm [1]

[1] This torque is for a steel coupling and a nut of at least grade 8.8 quality.
It is compulsory to install a castle nut and cotter pin for right-hand rotation and bi-rotational use.

M5BF motor with reverse valve option

Weight : 21,6 kg



Shaft	Code 1
Ø C	52,5/53,5
Ø D	28,70/28,95
E	25,02/25,15
F	6,36/6,31
G	35,2/35.45

Torque of the steel nut : 80 Nm [1)]

[1)] This torque is for a steel coupling and a nut of at least grade 8.8 quality.
It is compulsory to install a castle nut and cotter pin for right-hand rotation and bi-rotational use.

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Ed. 2016-04-04

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Catalogue HY29-0128/UK, 12/2017

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