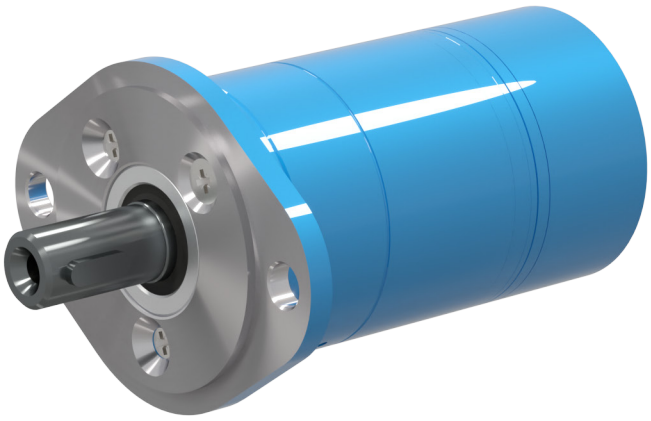
DANA SAMHYDRAULIK™



BGM
Orbital Motors

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The product images and drawings shown are for illustration purposes only and may not be an exact representation of the product.
We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.
Each product configuration listed below is subject to availability: please contact Sales Dpt. for more commercial detailed info.

Ordering Code

The following alphanumeric digits system has been developed to identify all of the configuration options for the BGM motors. Use the model code below to specify the desired features. All alphanumeric digits system of the code must be present when ordering.
We recommend to carefully read the catalogue before filling the ordering code.

1	2	3	4	5	6	7	8	9	10	11	12
Series	Displacement	Version	Mount flange	Shaft end	Main port	Seal	Valve	Valve feature	Option	Version feature	Painting
BGM	020	FR0	S	SC160	M06	N	xxxx	000	xxx	QDG	xx

1

Series	
BGM	Orbital motor

2

Displacement	
013	13 cm³/giro [0.793 in³/rev]
020	20 cm³/giro [1.22 in³/rev]
032	32 cm³/giro [1.952 in³/rev]
040	40 cm³/giro [2.44 in³/rev]
050	50 cm³/giro [3.05 in³/rev]

3

Version	
FR0	Standard Version
FRQ	Q Version
SP1	SP1 Version

4

Mount flange	
S	3 bolts M6 - Ø31.5mm [Ø 1.240 in] (standard)
T	3 bolts 1/4 - 28 UNF - Ø31.5mm [Ø 1.240 in]
Z	5 bolts 1/4 - 28 UNF - Ø31.5mm [Ø 1.240 in]
N	2 bolts - Ø63mm [Ø 2.480 in] - (combination with S flange)
E	2 bolts - Ø63mm [Ø 2.480 in] - (combination with T flange)

5

Shaft end	
CL160	Cylindrical keyed Ø16 mm [0.629 in]
SC160	B17x14 DIN5482 Splined
CL158	Cylindrical keyed Ø15.88 mm [Ø0.625 in]
CS158	Cylindrical crosshole Ø15.88 mm [Ø0.625 in]

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Ordering Code

6

	Main port	Version FR0	Version SP1	Version FRQ
M06	3/8 G (BSPP) Main Ports (standard)	●	●	●
S06	9/16 - 18 UNF Main Ports	●	●	-

7

	Seal
N	NBR

8

	Valve	Main port M06	Main port S06
xxxx	Not required	●	●
M061	Pressure relief valve VAF 06 - D (available only with SP1 Version)	●	-



9

	Valve feature	Valve xxxx	Valve M061
000	Feature not necessary	●	-
030	Not Set 50÷150 bar [725 to 2175 psi]	-	●

10

	Option
xx	None

11

	Version feature	Flange S	Flange T	Flange N	Flange E
QDG	QUAD-RING version with Rear drain 1/8 G (BSPP)	●	●	●	●
HPS	High Pressure Seal	●	●	●	●
TES	TAC-E Tachometer (with sensor arrangement) - CCW suitable direction of rotation (Standard)	●	-	●	-
TED	TAC-E Tachometer (with sensor arrangement) - CW suitable direction of rotation (Optional)	●	-	●	-

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	Painting
xx	Not Painted
01	Black Painted RAL 9005
22	Grey Painted RAL 7035

● Available
- Not Available

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