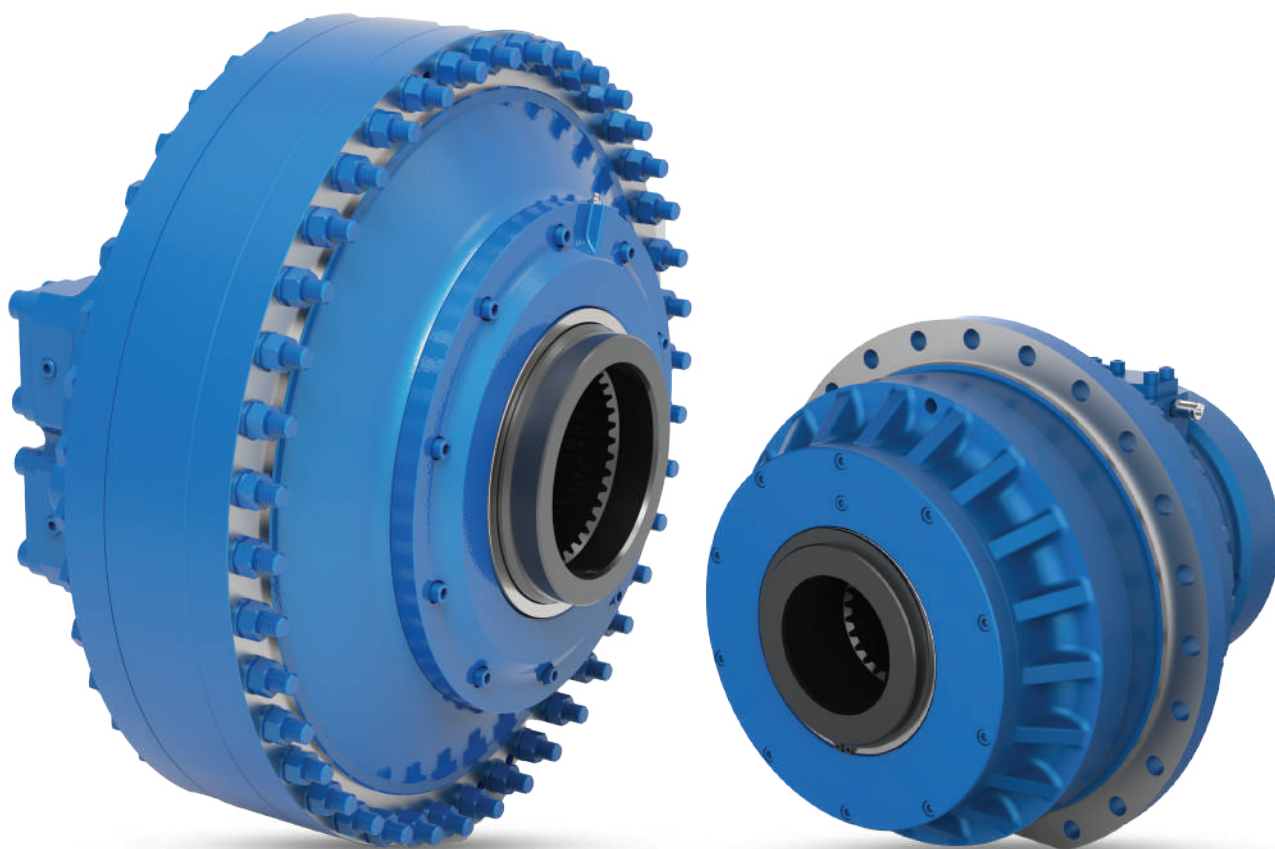




MASCOT®
DRIVES

ENGINEERED FOR ENDURANCE



AV Series

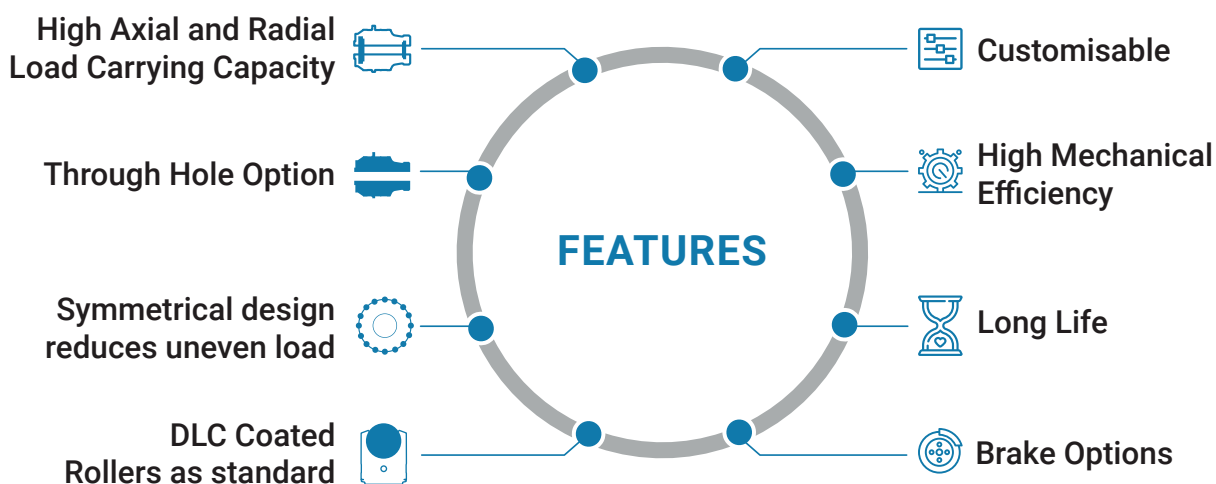
AV 500 ***SERIES***



PRODUCT DESCRIPTION

The AV 500 Series motors set a new benchmark for reliable, high-performance hydraulic drives. Designed for continuous heavy-duty operation, these motors integrate seamlessly into existing systems without requiring any modifications or conversion costs. Compact and lightweight, the AV 500 Series delivers consistent torque and efficiency across a wide range of operating speeds. Engineered for demanding industrial environments, these motors are ideally suited for conveyors, industrial shredders, and other heavy-duty machinery. Their robust rotary components ensure long service life and dependable performance.

The AV 500 Series offers displacements ranging from 2.5 litres/rev to 13.5 litres/rev. The cylinder block has evenly distributed pistons, which reduce side loads, and the cam ring is well-balanced, providing no torque ripple at low speeds. With exceptional axial and radial load-carrying capacity, the AV 500 Series eliminates the need for external bearing support.



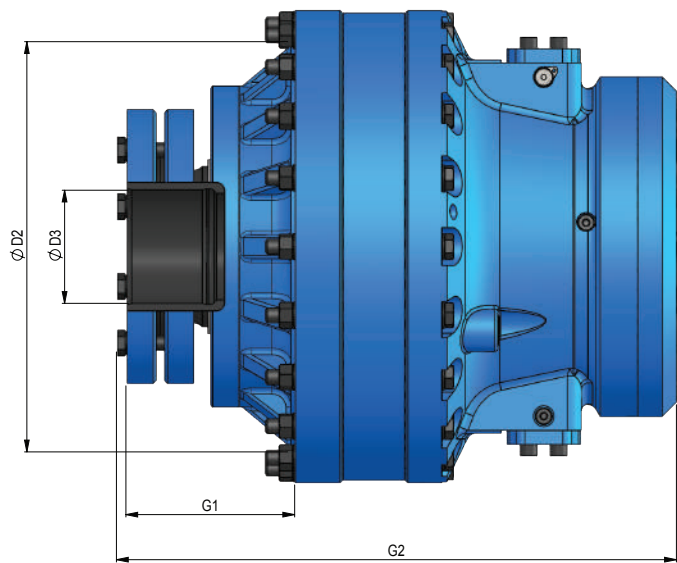
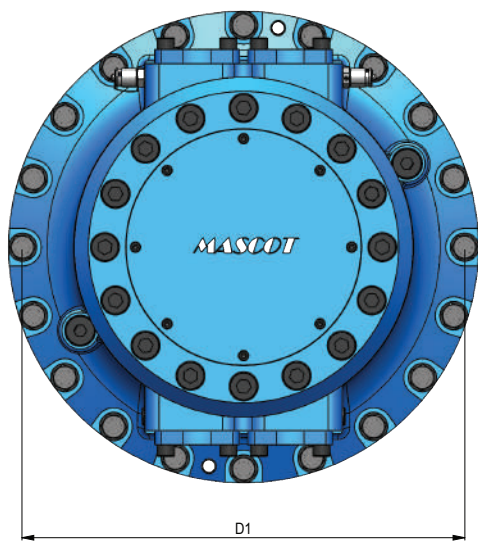
MOTOR SPECIFICATION							
Module	Displacement Code	Displacement (Litres/rev)	Specific Torque (N-m/bar)	Maximum Torque (N-m)	Rated Speed (rpm)	Maximum Speed (rpm)	Maximum Pressure (bar)
AV 500	A	0025	2.5	40	13359	270	350
		0030	3.0	48	15967	245	350
		0040	4.0	64	21290	205	350
		0045	4.5	72	23951	180	350
	B	0050	5.0	80	26612	230	350
		0065	6.5	104	34596	215	350
		0075	7.5	120	40078	180	350
		0080	8.0	127	42580	162	350
		0090	9.0	143	47902	155	350
	C	0100	10.0	159	53225	108	350
		0115	11.5	183	61208	92	350
		0125	12.5	199	66531	80	350
		0135	13.5	215	71853	74	350

For application-specific displacement, kindly contact Maha Hydraulics.
For performance curve and bearing load curve, kindly contact Maha Hydraulics.

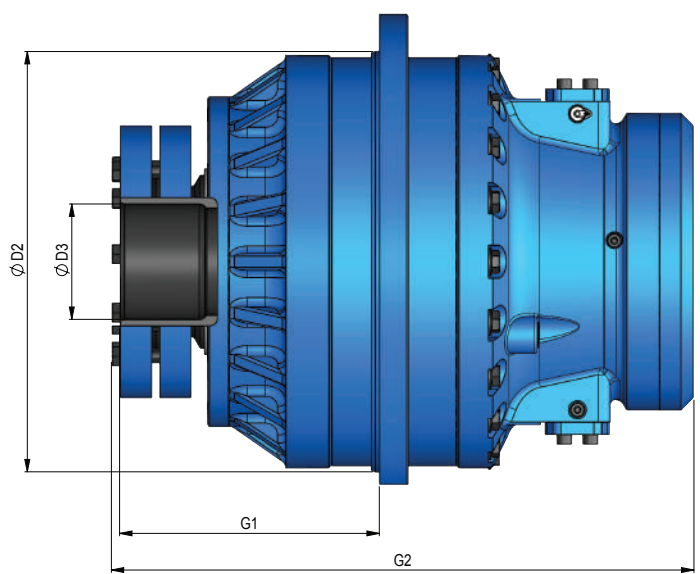
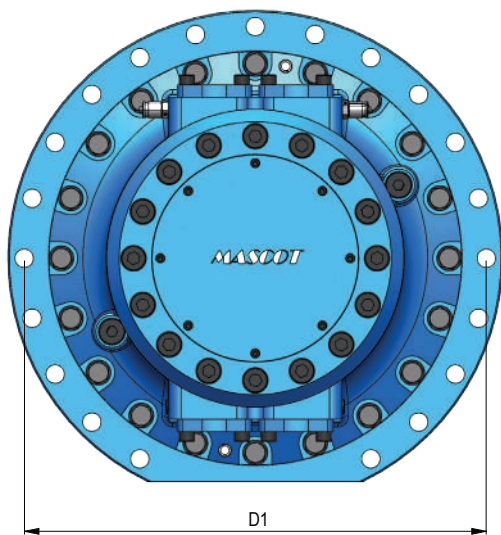


DIMENSIONS - MOTOR WITH SHRINK DISC

AV 500	HOLLOW SHAFT WITH SHRINK DISC							
	Module	G1 (mm)	G2 (mm)	D1 (mm)	D2 (mm)	D3 (mm)	Weight Kg	Main Connection
	A	179	594	470	435	120	350	SAE 1-1/4"
	B	315	707	560	510	140	450	
	C	315	793	560	510	160	550	
								BSP 3/4"



AV 500 A

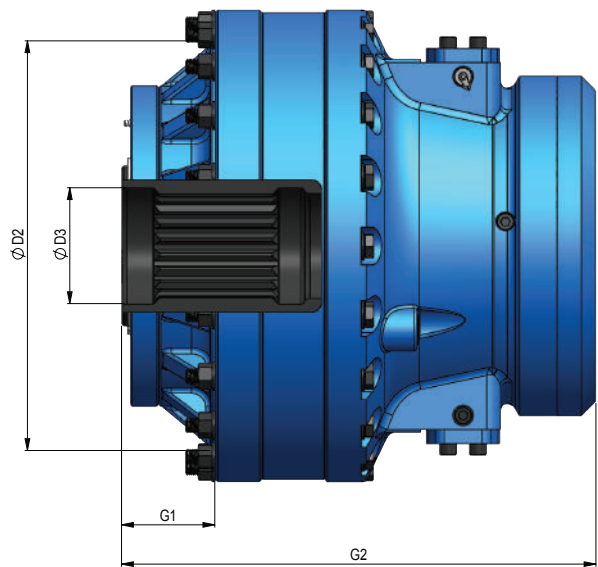
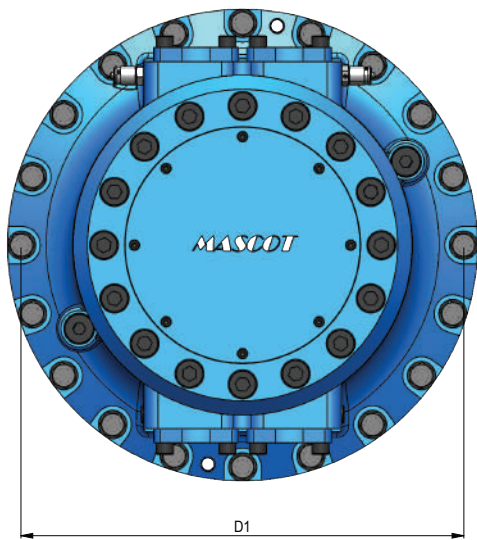


AV 500 B

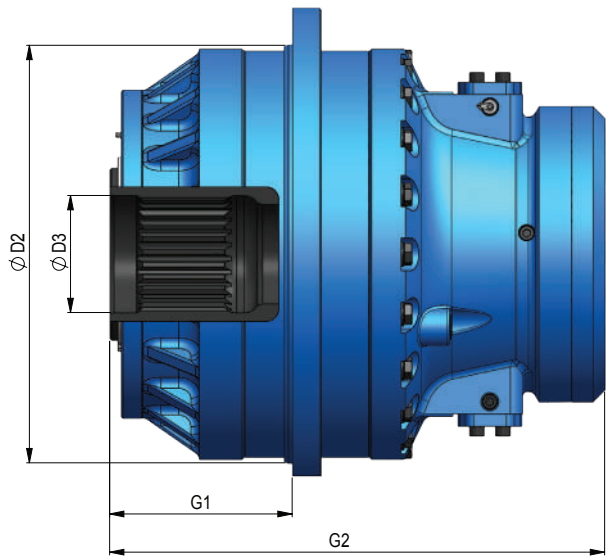
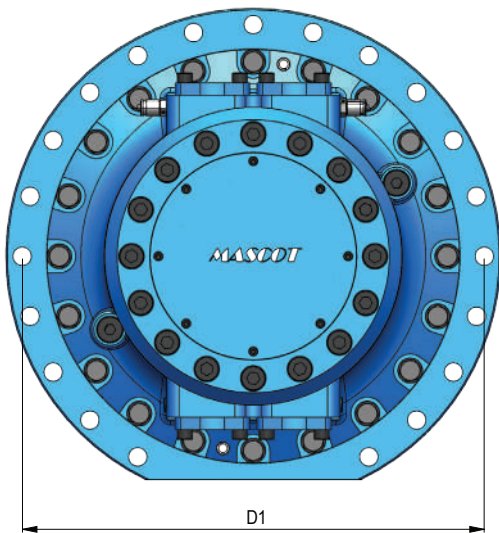
AV 500 C

DIMENSIONS - MOTOR WITH FEMALE SPLINE

AV 500	HOLLOW SHAFT WITH SPLINE							
	Module	G1 (mm)	G2 (mm)	D1 (mm)	D2 (mm)	D3 (mm)	Weight Kg	Main Connection
	A	99	504	470	435	N120X5X30X22X9H	320	
	B	223	605	560	510	N140X5X30X26X9H	400	SAE 1-1/4"
	C	223	691	560	510	N150X5X30X28X9H	500	BSP 3/4"



AV 500 A



AV 500 B

AV 500 C



Maha Hydraulics Private Limited

📍 #F-62, SIPCOT Industrial Complex, Irungattukottai,
Sriperumbudur 602117, Tamilnadu, India.

☎️ +91 95001 21705

Maha Hydraulics Africa (Pty) Limited

📍 #514, Savannah Country Estate, Tontelhout Close,
Pretoria, 0184, South Africa.

☎️ +27 82 535 5164

✉️ sales@mahahydraulics.com

🌐 www.mahahydraulics.com