

For combination with:
Stepper motors: AM 0820, AM 1020

Series 08/1

	08/1	08/1 K
Housing material	metal	metal
Geartrain material	all steel	all steel
Recommended max. input speed for:		
– continuous operation	8000 rpm	8000 rpm
Backlash, at no-load	$\leq 3^\circ$	$\leq 3^\circ$
Bearings on output shaft	sintered sleeve bearings	preloaded ball bearings
Shaft load, max.:		
– radial (4,5 mm from mounting face)	$\leq 0,8$ N	≤ 5 N
– axial	≤ 1 N	≤ 3 N
Shaft press fit force, max.	≤ 5 N	≤ 5 N
Shaft play (on bearing output):		
– radial	$\leq 0,03$ mm	$\leq 0,02$ mm
– axial	$\leq 0,10$ mm	$\leq 0,05$ mm
Operating temperature range	$-30 \dots +100$ °C	$-30 \dots +100$ °C

Specifications

reduction ratio	weight without motor	length without motor	length with motor		output torque		direction of rotation (reversible)	efficiency
			AM 0820	AM 1020	continuous operation	intermittent operation		
	g	L2 mm	L1 mm	L1 mm	M max. mNm	M max. mNm		%
4:1	2,9	9,6	23,4	25,4	60	120	=	90
16:1	3,8	12,3	26,1	28,1	60	120	=	80
64:1	4,6	15,0	28,8	30,8	60	120	=	70
256:1	5,4	17,7	31,5	33,5	60	120	=	60
1 024:1	6,3	20,4	34,2	36,2	60	120	=	55
4 096:1	7,1	23,1	36,9	38,9	60	120	=	48

