

Small Worm Geared Motors SG with DC Motor 24V

Housing: Aluminium, sealed against lubricant leaks and protected against dust, can be mounted in any position.

Output shaft: Optional on side 1 or side 2.

Teeth: Worm gear made from special bronze, worm made from steel, hardened and ground.

Bearing: Motor and gearbox with roller bearing.

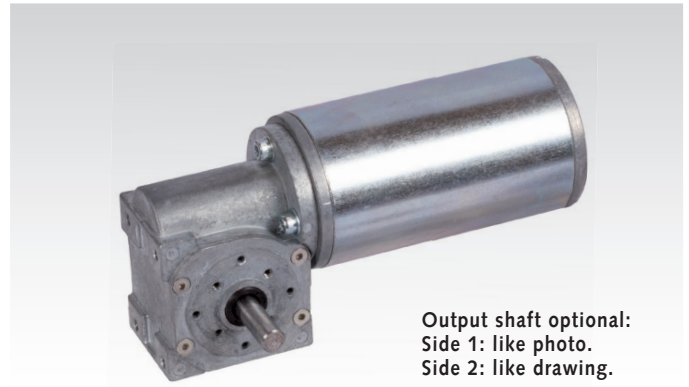
Lubrication: Maintenance free grease lubrication.

Motor: Brushed DC Motor 24 V.

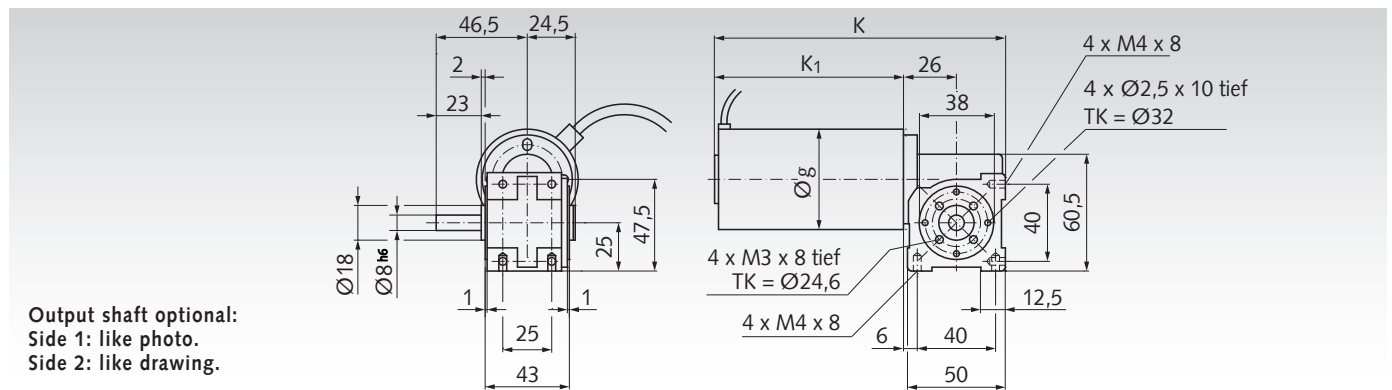
Nominal motor speed $3,000 \text{ min}^{-1}$, with relatively constant speed characteristics. Free lead ends. Sense of rotation can be changed by swapping leads over.

Protection class IP 40. Insulation class B. Operating mode S1.

Ordering Details: e.g.: Type, Power, Output Side, Output Speed, Product No.



Output shaft optional:
Side 1: like photo.
Side 2: like drawing.



Output shaft optional:
Side 1: like photo.
Side 2: like drawing.

Other dimensions:

Power Watt	g mm	k mm	k ₁ mm
28	42	149	98
56	50	180	129

Dimensions without stated tolerances are non-binding!

Load Bearing Capacity of the Output Shaft:
radial 40 N, axial 40 N

Motor Data 28 Watt, 3000 min^{-1} , ca. 1.9 A at 24 Volt

Product No. Output Side 1	Product No. Output Side 2	Output-Speed min^{-1}	Ratio $i =$	Torque at the Output Shaft effective Nm	max. permissible* Nm	Weight kg
430 491 01	430 492 01	44	68 : 1	2,1	4,1	1,0
430 491 02	430 492 02	75	40 : 1	1,2	4,7	1,0
430 491 03	430 492 03	100	30 : 1	1,0	4,3	1,0
430 491 04	430 492 04	143	21 : 1	0,9	4,1	1,0
430 491 05	430 492 05	200	15 : 1	0,7	4,3	1,0
430 491 06	430 492 06	286	10,5 : 1	0,6	4,1	1,0
430 491 07	430 492 07	429	7 : 1	0,4	4,3	1,0
430 491 08	430 492 08	1000	3 : 1	0,2	2,6	1,0

* Stability related max. torque.

Motor Data 56 Watt, 3000 min^{-1} , ca. 3.4 A at 24 Volt

Product No. Output Side 1	Product No. Output Side 2	Output-Speed min^{-1}	Ratio $i =$	Torque at the Output Shaft effective Nm	max. permissible* Nm	Weight kg
430 491 09	430 492 09	44	68 : 1	4,1	4,1	1,5
430 491 10	430 492 10	75	40 : 1	2,4	4,7	1,5
430 491 11	430 492 11	100	30 : 1	2,1	4,3	1,5
430 491 12	430 492 12	143	21 : 1	1,7	4,1	1,5
430 491 13	430 492 13	200	15 : 1	1,5	4,3	1,5
430 491 14	430 492 14	286	10,5 : 1	1,2	4,1	1,5
430 491 15	430 492 15	429	7 : 1	0,9	4,3	1,5
430 491 16	430 492 16	1000	3 : 1	0,4	2,6	1,5

* Stability related max. torque.