

# Worm Gear Actuators

## ❖ Feature

- All mounting bases conform to ISO 5210/1 standards.
- All castings are ductile iron, Class 65-45-12 excellent strength and impact resistance.
- Worm gear material is available in two option.
  - ▶ Ductile iron, Class 80-55-06
  - ▶ Aluminum bronze, B148-C95800
- Worm is 1045 heat treated Carbon steel.
- Removable splined bushing to permit accurate positioning between gear drive and valve stem.
- Options include hand wheels, chain wheels and etc.

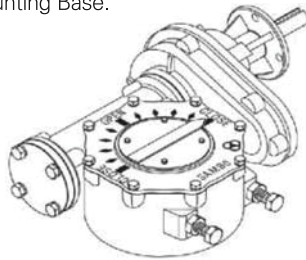
## Bushing Type

Splines permit accurate alignment of valve stem key.



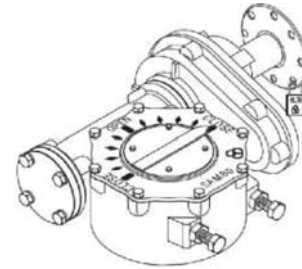
## M · O · V OPTION

Worm Gear can be provided with Motor actuator input flanges to accept standard ISO Mounting Base.



## LOCKING DEVICE OPTION

Input can be equipped with a Handwheel locking device for Manually operated units.



## ❖ Selection Chart for Manual Operation

MODEL \ SIZE	MAX. GEAR RATIO (Changeable)	MAX. STEM ACCEPTANCE	MOUNTING OPTION & STANDARD	MAX. TORQUE CAPACITY		WEIGHT
				N-m	Ft. lbf	Kg
SBWG-00-1SD	160 : 1	36 (10X8)	F-10 , F-12	1200	885	14
SBWG-01-1SD	176 : 1	46 (14X9)	F-10 , F-12 , F-14	2000	1475	17
SBWG-02-1SD	308 : 1	60 (18X11)	F-12 , F-14 , F-16	2800	2065	27
SBWG-03-1SD	333.7 : 1	75 (20X12)	F-14 , F-16 , (F-20)	4300	3172	35
SBWG-35-1SD	333.7 : 1	80 (22X14)	F-16 , (F-20) , F-25	6100	4499	42
SBWG-04-1SD	504 : 1	95 (25X14)	F-16 , (F-20) , F-25	10400	7671	71
SBWG-05-1SD	540 : 1	115 (32X18)	F-25 , F-30	15900	11727	93
SBWG-55-1SD	558 : 1	125 (32X18)	F-25 , F-30	23500	17333	112
SBWG-06-1SD	1024 : 1	140 (36X20)	F-25 , F-30 , F-35	32800	24192	188
SBWG-07-1SD	1088 : 1	180 (45X25)	F-30 , F-35 , F-40	51100	37689	284
SBWG-75-1SD	1650 : 1	210 (50X28)	F-35 , F-40 , F-48	81500	60111	450
SBWG-08-1SD	1650 : 1	250 (56X32)	F-40 , F-48	121000	89245	573
SBWG-09-1SD	1650 : 1	280 (63X32)	F-48 , F-60	192500	141981	930
SBWG-10-1SD	1600 : 1	320 (70X36)	F-60	275000	202830	1464
SBWG-11-1SD	1700 : 1	360 (80X40)	F-60	442000	326002	2220
SBWG-12-1SD	1750 : 1	400 (90X45)	F-60 , (F-80)	610000	449913	3081
SBWG-13-1SD	1800 : 1	440 (100X50)	F-60 , (F-80)	970000	715435	3980

Size and component specification in this catalogue are subject to change without prior notice for quality improvement.

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