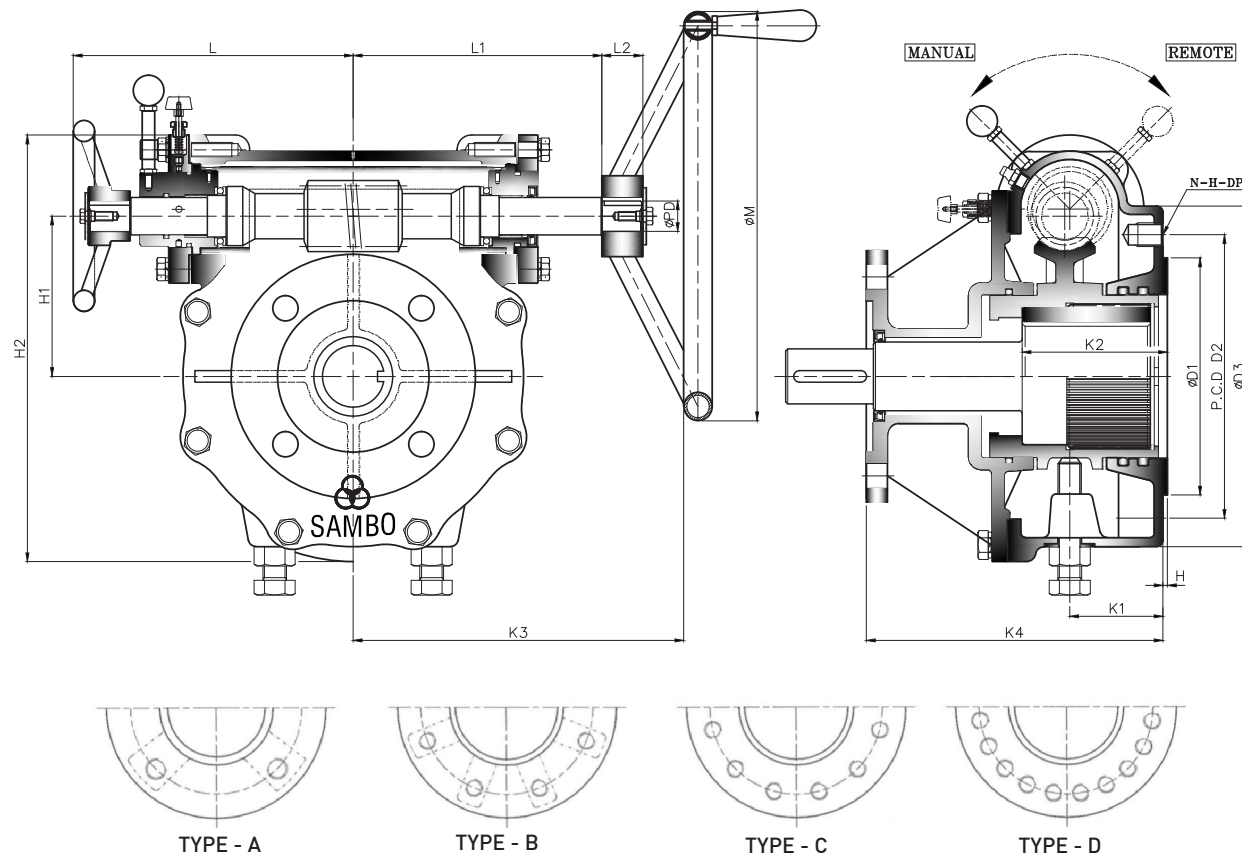


WORM GEAR ACTUATORS

DECLUTCH GEAR › Pneumatic Actuator

Horizontal Input



Dimension

DIM MODEL	BASE PART							EXTERNAL PART								INPUT SHAFT PART			HAND WHEEL
	TYPE	FLANGE SIZE	ØD1	P.C.D		ØD3	H	H1	H2	K1	K2	K3	K4	L	L1	L2	ØPD	KEY	
				ØD2	N-H-DP														
SBWG-BFDCM	A	F-07	55	70	4-M8-12	110	2	38	132	38	38.6	150	126.5	104	97	24	16	6X6	200
SBWG-0DCM		F-10	70	102	4-M10-15	135		53	159.5	38	43.6	157	135	111.5	104.5				250
SBWG-00DCM		F-12	85	125	4-M12-18	165		65.5	192	43	53.6	211	147.5	122	138				300
SBWG-01DCM		F-14	100	140	4-M16-24	190		78.5	217.5	53	65	220	172	131	147				400
SBWG-02DCM		F-16	130	165	4-M20-30	220		92	257	56	75.5	259	188.5	183	166				29
SBWG-03DCM	B	(F-16) F-20	160	205	8-M16-24	250	3	107	287	59	87	289	204	193	176	29	21	6X6	560
SBWG-35DCM						250		122	319.5	63	91	294	216	200	181				
SBWG-04DCM		F-25	200	254	8-M16-24	300		147	385.5	73	120	374	242	245	207	34	32	10X8	630 710
SBWG-05DCM		F-30	230	298	8-M20-30	350		174	437.5	78	141	399	247.5	256	217				
SBWG-55DCM						350		196	484.5	80	144	419	256	276	237				
SBWG-06DCM		F-35	260	356	8-M30-45	415		222	558.5	109	175	480	302	316	285	44	38	12X8	800
SBWG-07DCM		F-40	300	406	8-M36-55	475		272.5	660.5	115	209	509	349	352	315				900
SBWG-75DCM	C	F-48	370	483	12-M36-55	560	5	313	777	120	220	617	430	389.5	381	58	50	16X10	1000
SBWG-08DCM						560		366	884	125	245	652	439	424.5	416				
SBWG-09DCM	D	F-60	470	603	20-M36-55	700	5	435.5	1023.5	138	270	692	467	465	456	58	50	16X10	1000

FEATURE

All mounting bases conform to ISO 5210/1 standards.

All castings are ductile iron, Class 65-45-12 excellent strength and impact resistance.

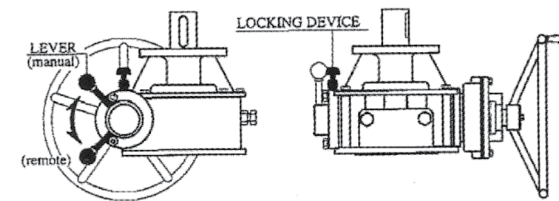
Worm gear material is available in two option.
-Ductile iron, Class 80-55-06
-Aluminum bronze, B148-C95800

Worm is 1045 heat treated Carbon steel.

Removable splined bushing to permit accurate positioning between gear drive and valve stem.

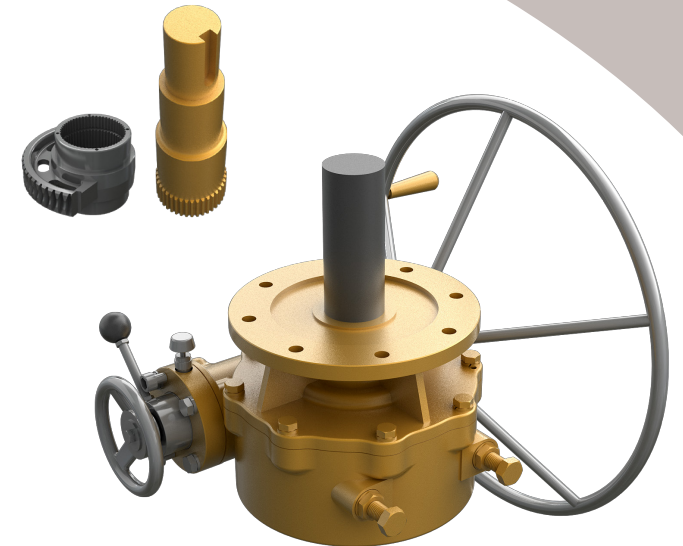
Options include hand wheels, chain wheels, etc.

Manual Override Operation



Bushing Type

Splines permit accurate alignment of valve stem key.



1. Pull up on locking device knob.
 2. Rotate lever to "Manual" position.
 3. Handwheel can now be operated.
- Note : pneumatic actuator is now fully disengaged.
4. The lever must be placed back in "Remote" position for pneumatic operation.

[CAUTION]

Operate to check the position of manual and remote. when convert "manual" position, control the position of worm shaft and then operate to accord with worm gear.

Somewhere it should be noted that these units have been specifically developed for use with pneumatic and Hydraulic Actuators providing a positive mechanical means of manual operation.

Selection Chart for Manual Operation

MODEL	SIZE	GEAR RATIO	MAX. STEM ACCEPTANCE	MOUNTING OPTION & STANDARD	MAX. TORQUE CAPACITY		WEIGHT Kg
					N-m	Ft . lbf	
SBWG-BFDCM		29 : 1	20 [6X6]	F-07	320	236	5
SBWG-0DCM		34 : 1	28 [8X7]	F-07 , F-10	680	502	7
SBWG-00DCM		38 : 1	36 [10X8]	F-10 , F-12	980	723	11
SBWG-01DCM		43 : 1	46 [14X9]	F-10 , F-12 , F-14	1600	1180	18
SBWG-02DCM		46 : 1	60 [18X11]	F-12 , F-14 , F-16	2500	1844	29
SBWG-03DCM		50 : 1	75 [20X12]	F-14 , F-16 , [F-20]	3800	2803	45
SBWG-35DCM		52 : 1	80 [22X14]	F-16 , [F-20]	5600	4130	63
SBWG-04DCM		56 : 1	95 [25X14]	F-16 , [F-20] , F-25	9600	7081	86
SBWG-05DCM		60 : 1	115 [32X18]	F-25 , F-30	14400	10621	120
SBWG-55DCM		62 : 1	125 [32X18]	F-25 , F-30	21150	15599	169
SBWG-06DCM		64 : 1	140 [36X20]	F-25 , F-30 , F-35	29520	21773	250
SBWG-07DCM		68 : 1	180 [45X25]	F-30 , F-35 , F-40	45000	33190	365
SBWG-75DCM		65 : 1	210 [50X28]	F-35 , F-40 , F-48	73350	54100	558
SBWG-08DCM		65 : 1	250 [56X32]	F-40 , F-48	108900	80321	681
SBWG-09DCM		64 : 1	280 [63X32]	F-48 , F-60	178000	131286	1038