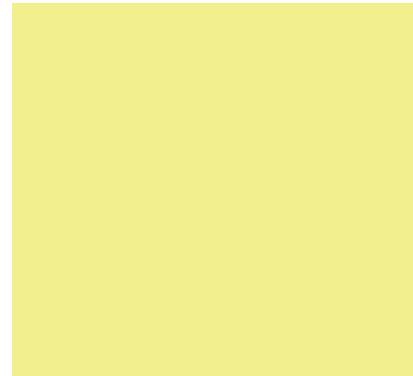
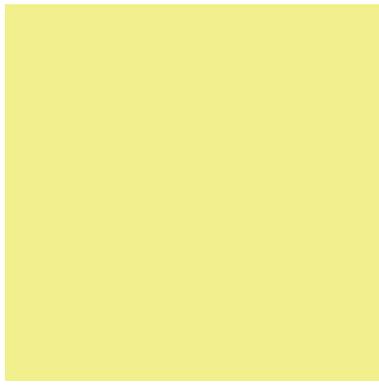
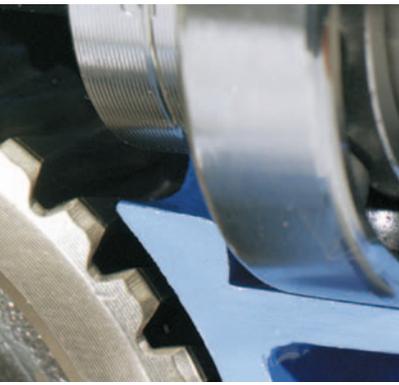
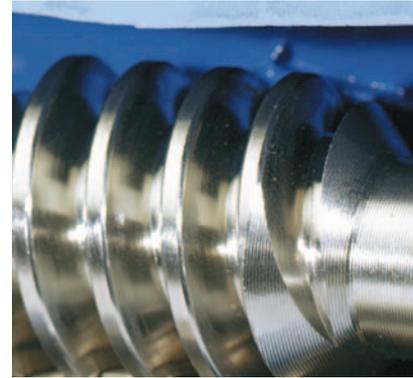


UNIVERSAL

sw series



MOTOVARIO

Metric Worm Gear Reducers
and Metric AC Motors

818 Curie Drive
Alpharetta, Ga. 30005
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UNIVERSAL sw series



SW...T

UNIVERSAL SW SERIES IS INTERCHANGEABLE WITH THE REDUCERS OF MOST MAJOR GEARBOX MANUFACTURERS.

UNIVERSAL MOUNTING FEET ARE SOLD AS ACCESSORIES AND BOLTED ON TO ALLOW FOR VERSATILE MOUNTING.



ISW...T



SW...PA

AUTOMATED MANUFACTURING process from an ISO 9001 certified company assures quality, reliable gearing.

STANDARD HOLLOW OUTPUT BORE and optional plug-in shafts provide greater flexibility in ordering and reduced inventory.

A HARDENED AND GROUND WORM shaft gives increased durability and efficiency versus forged worm shafts.

NO VENT PLUG OR BREATHER is required, making SW reducers maintenance-free and sealed for life. This prevents oil oxidation and contamination and allows universal mounting.

THE USE OF O-RINGS on the input flange and output cover prevents leaks more effectively than paper gaskets.

POLYESTER EPOXY PAINT applied on the inside and outside of the gearcase provides added durability and corrosion prevention.

NO COMPRESSION CHAMBER ("bladder") required. This prevents leaks and contributes to mounting flexibility.

DOUBLE-LIP OIL SEALS, designed in conjunction with NOK, aid the reducer's thermal capacity and extend the reducer's oil life.

TWO BEARINGS along the input shaft prevent leaks and contribute to mounting flexibility. High quality SKF bearings increase reducer life.

ALUMINUM REDUCERS are prefilled with Glygoyle synthetic oil to help increase reducer efficiency.

ALUMINUM ALLOY HOUSING provides a lighter, more modular reducer than cast-iron housings.



SW...PB



SW...PV



SW...FA

AC Motors

OUR MOTORS ARE AVAILABLE FROM 0.25HP (0.18kW) TO 10HP (7.5kW) WITH IEC FRAMES 63 THROUGH 132.



B14-C Face



B5-D Flange

THE B5 AND B14 MOUNTING FLANGES ENABLE A WIDE VARIETY OF MOUNTING POSITIONS.

IP55 Weatherproof protection.

CLASS F Insulation.

C FACE OR D FLANGE
Interchangeable end bell.

ELECTRICAL INTERCHANGEABILITY
60 Hz, 230/460V or
50 Hz, 230/400V.

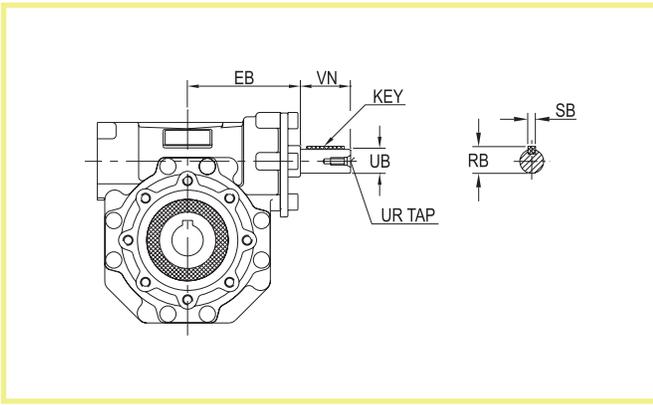
CE APPROVAL for overseas requirements.

DIE-CAST ALUMINIUM ALLOY provides high tensile strength and resists corrosion.

GEAR REDUCER RATINGS

Model	Ratio	Output Speed (rpm)	Output Torque (in-lbs)	Output Torque (Nm)	Max HP	Max kW	OHL (lbs)	OHL (N)
SW 030 ISW 030	5	350	159	18	1.02	0.76	113	503
	7.5	233	159	18	0.69	0.51	129	574
	10	175	159	18	0.54	0.40	142	632
	15	117	159	18	0.38	0.28	163	725
	20	88	159	18	0.30	0.22	179	796
	25	70	186	21	0.30	0.22	193	859
	30	58	177	20	0.25	0.19	205	912
	40	44	159	18	0.19	0.14	225	1001
	50	35	150	17	0.15	0.11	243	1081
	60	29	142	16	0.13	0.10	259	1152
80	22	115	13	0.09	0.07	284	1263	
SW 040 ISW 040	5	350	301	34	1.88	1.40	221	983
	7.5	233	354	40	1.51	1.13	253	1125
	10	175	354	40	1.16	0.87	279	1241
	15	117	354	40	0.80	0.60	319	1419
	20	88	345	39	0.61	0.45	350	1557
	25	70	336	38	0.50	0.37	378	1681
	30	58	398	45	0.53	0.40	403	1793
	40	44	363	41	0.39	0.29	441	1962
	50	35	345	39	0.31	0.23	476	2117
	60	29	319	36	0.25	0.19	507	2255
80	22	292	33	0.19	0.14	556	2473	
100	18	257	29	0.15	0.11	595	2647	
SW 050 ISW 050	5	350	549	62	3.43	2.56	322	1432
	7.5	233	628	71	2.64	1.97	369	1641
	10	175	637	72	2.06	1.54	406	1806
	15	117	655	74	1.48	1.10	464	2064
	20	88	646	73	1.14	0.85	510	2289
	25	70	619	70	0.90	0.67	551	2451
	30	58	743	84	0.96	0.72	586	2607
	40	44	672	76	0.70	0.52	643	2860
	50	35	646	73	0.57	0.43	694	3087
	60	29	602	68	0.47	0.35	739	3287
80	22	575	65	0.38	0.28	810	3603	
100	18	487	55	0.28	0.21	866	3852	
SW 063 ISW 063	7.5	233	1133	128	4.77	3.56	463	2060
	10	175	1150	130	3.67	2.74	510	2269
	15	117	1239	140	2.76	2.06	583	2593
	20	88	1194	135	2.05	1.53	641	2851
	25	70	1150	130	1.64	1.22	692	3078
	30	58	1416	160	1.77	1.32	736	3274
	40	44	1283	145	1.27	0.95	807	3590
	50	35	1194	135	1.01	0.75	871	3874
	60	29	1150	130	0.86	0.64	928	4128
	80	22	1079	122	0.66	0.49	1017	4524
100	18	1044	118	0.57	0.43	1088	4840	

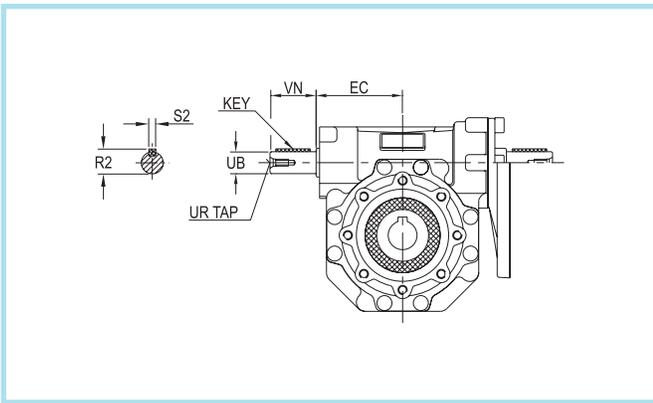
Model	Ratio	Output Speed (rpm)	Output Torque (in-lbs)	Output Torque (Nm)	Max HP	Max kW	OHL (lbs)	OHL (N)
SW 075 ISW 075	7.5	233	1637	185	6.81	5.08	549	2442
	10	175	1725	195	5.45	4.06	604	2687
	15	117	1770	200	3.86	2.88	691	3074
	20	88	1858	210	3.15	2.35	759	3376
	25	70	1770	200	2.46	1.83	820	3648
	30	58	2035	230	2.48	1.85	873	3883
	40	44	1947	220	1.88	1.40	957	4257
	50	35	1858	210	1.50	1.12	1033	4595
	60	29	1770	200	1.26	0.94	1099	4889
	80	22	1681	190	0.97	0.72	1205	5360
100	18	1593	180	0.80	0.60	1289	5734	
SW 090 ISW 090	7.5	233	2566	290	10.56	7.87	631	2807
	10	175	2743	310	8.56	6.38	694	3087
	15	117	3185	360	6.86	5.12	794	3532
	20	88	3141	355	5.19	3.87	873	3883
	25	70	3008	340	4.08	3.04	942	4190
	30	58	3628	410	4.31	3.21	1003	4462
	40	44	3185	360	2.95	2.20	1100	4893
	50	35	3008	340	2.32	1.73	1187	5280
	60	29	2831	320	1.90	1.42	1264	5623
	80	22	2522	285	1.39	1.04	1386	6165
100	18	2389	270	1.12	0.84	1482	6592	
SW 105 ISW 105	7.5	233	4247	480	17.48	13.03	776	3452
	10	175	4601	520	14.36	10.71	853	3794
	15	117	5043	570	10.86	8.10	976	4341
	20	88	4955	560	8.10	6.04	1073	4773
	25	70	5220	590	6.90	5.15	1158	5151
	30	58	5574	630	6.53	4.87	1233	5485
	40	44	5397	610	4.81	3.59	1352	6014
	50	35	5309	600	3.93	2.93	1459	6490
	60	29	4955	560	3.19	2.38	1553	6908
	80	22	4336	490	2.25	1.68	1703	7575
100	18	4070	460	1.79	1.33	1821	8100	



ISW-Solid Input Shaft

	030	040	050	063	075	090	105
EB	51	60	74	90	105	125	142
RB	10.2	12.5	16	21.5	27	27	31
SB	3	4	5	6	8	8	8
UB*	9	11	14	19	24	24	28
UR TAP	-	-	M6	M6	M8	M8	M10
VN	20	23	30	40	50	50	60
WIDTH	3	4	5	6	8	8	8
HEIGHT	3	4	5	6	7	7	7
LENGTH	15	15	20	30	35	35	45

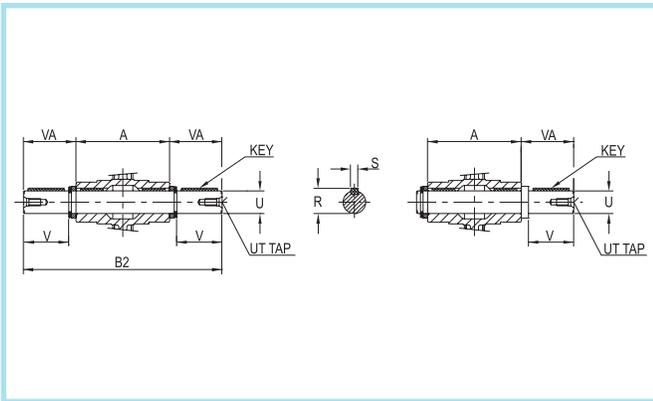
*UB tolerances: j6.



High Speed Extension

	030	040	050	063	075	090	105
EC	45	53	64	90	90	108	135
R2	10.2	12.5	16	21.5	27	27	31
S2	3	4	5	6	8	8	8
UB*	9	11	14	19	24	24	28
UR TAP	-	-	M6	M6	M8	M8	M10
VN	20	23	30	40	50	50	60
WIDTH	3	4	5	6	8	8	8
HEIGHT	3	4	5	6	7	7	7
LENGTH	15	15	20	30	35	35	45

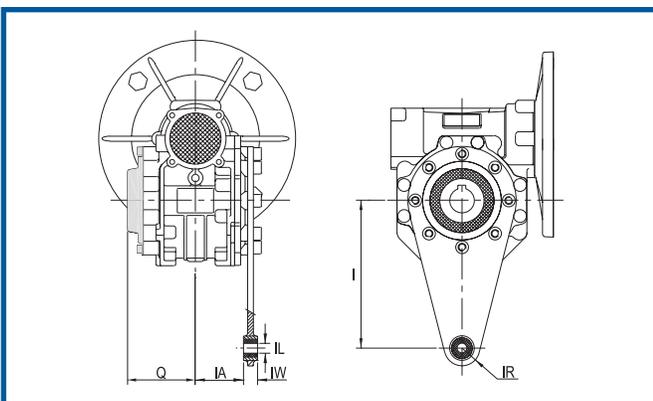
*UB tolerances: j6.



Solid Output Shaft

	030	040	050	063	075	090	105
A	63	78	92	112	120	140	155
B2	128	164	199	219	247	309	324
R	16	20.5	28	28	31	38	45
S	5	6	8	8	8	10	12
U*	14	18	25	25	28	35	42
UT TAP	M6	M6	M10	M10	M10	M12	M16
V	30	40	50	50	60	80	80
VA	32.5	43	53.5	53.5	63.5	84.5	84.5
WIDTH	5	6	8	8	8	10	12
HEIGHT	5	6	7	7	7	8	8
LENGTH	20	30	35	35	45	60	60

*U tolerance for size 030: g6. U tolerance for sizes 040-105: h6.



Protective Cover & Torque Arm

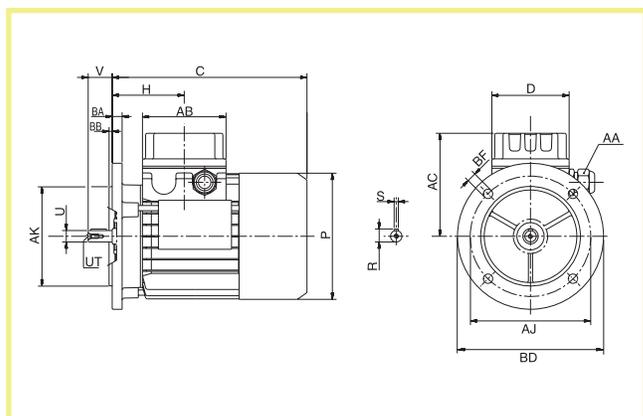
	030	040	050	063	075	090	105
I	85	100	100	150	200	200	250
IA	24	31.5	38.5	49	47.5	57.5	62
IL	8	10	10	10	20	20	25
IR	15	18	18	18	30	30	35
IW	14	14	14	14	25	25	30
Q	-	50	58	69	74	86	94

MOTOR RATINGS

HP	KW	RPM	IEC Frame	Catalog Number B14	Catalog Number B5	Voltage	F.L. Amps 230V	% F.L. Eff. 230V
0.25	0.18	3320	63	658849	662667	230/460	1	53
0.25	0.18	1650	63	321588	321584	230/460	1.1	58
0.25	0.18	1130	71	463875	546638	230/460	1.1	62
0.33	0.25	3350	63	658811	621084	230/460	1.3	59
0.33	0.25	1700	71	831327	532153	230/460	1.4	64
0.33	0.25	1130	71	463302	632163	230/460	1.5	62
0.5	0.37	3440	71	562540	322543	230/460	1.6	69
0.5	0.37	1700	71	658851	251055	230/460	1.8	69
0.5	0.37	1140	80	135978	320259	230/460	1.9	67
0.75	0.55	3450	71	710058	366521	230/460	1.4	71
0.75	0.55	1720	80	623235	351300	230/460	2.4	72
0.75	0.55	1140	80	462328	316687	230/460	2.6	72
1	0.75	3440	80	513626	463367	230/460	3	71
1	0.75	1730	80	403661	832771	230/460	3.2	73
1	0.75	1110	90L	332168	135334	230/460	3.5	75
1.5	1.1	3450	80	812457	478258	230/460	4.3	75
1.5	1.1	1690	90S	622441	953541	230/460	4.5	74
1.5	1.1	1110	90L	432369	634254	230/460	5.2	74

HP	KW	RPM	IEC Frame	Catalog Number B14	Catalog Number B5	Voltage	F.L. Amps 230V	% F.L. Eff. 230V
2	1.5	3450	90S	653358	358863	230/460	5.8	75
2	1.5	1690	90L	548951	584134	230/460	6	78
2	1.5	1140	100	463687	732136	230/460	6.7	78
3	2.2	3450	90L	233565	661303	230/460	8.3	76
3	2.2	1700	100	789065	822120	230/460	8.4	78
3	2.2	1140	112	643220	172533	230/460	9.8	77
4	3	3430	100	656879	346582	230/460	10.7	80
4	3	1720	100	329999	461362	230/460	10.7	83
4	3	1170	132S	321366	310268	230/460	12.6	78
5.5	4	3430	112	563626	943281	230/460	13.6	81
5.5	4	1740	112	981620	648529	230/460	14	86
5.5	4	1170	132L	335786	348753	230/460	16	80
7.5	5.5	3490	132S	462368	662363	230/460	20.9	84
7.5	5.5	1740	132S	651303	368062	230/460	19.2	85
7.5	5.5	1160	132M	133698	233672	230/460	21.2	81
10	7.5	3500	132S	466861	652168	230/460	23.7	88
10	7.5	1730	132M	658952	651032	230/460	25.2	87

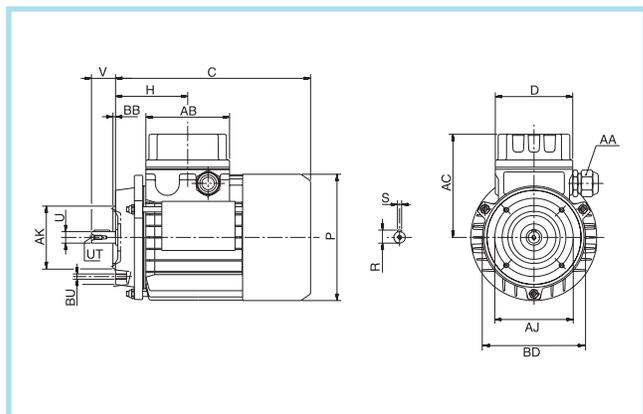
DIMENSIONS (in mm)



B5-D Flange

	063	071	080	090 S	090 L	100	112	132 S	132 M
AA MIN	5	10	10	10	10	10	10	13	13
AA MAX	10	14	14	14	14	14	14	18	18
AB	80	80	80	98	98	98	98	118	118
AC	98.5	110.5	121.5	129.5	129.5	138.5	153.5	177.5	177.5
AJ	115	130	165	165	165	215	215	265	265
AK	95	110	130	130	130	180	180	230	230
BA	9.5	10	12	12	12	14	14.5	19	19
BB	3	3.5	3.5	3.5	3.5	4	4	4	4
BD	140	160	200	200	200	250	250	300	300
BF	9	9.5	11	11	11	14	14	14	14
C	186.5	208	231	246.5	271.5	307.5	323	372.5	410.5
D	74	74	74	98	98	98	98	118	118
H	69	73	77	89.5	89.5	97.5	100	115.5	115.5
P	121	139	158	173	173	191	210.5	248.4	248.4
R	12.5	16	21.5	27	27	31	31	41	41
S	4	5	6	8	8	8	8	10	10
U*	11	14	19	24	24	28	28	38	38
UT	M4 TAP	M5 TAP	M6 TAP	M8 TAP	M8 TAP	M10 TAP	M10 TAP	M12 TAP	M12 TAP
V	23	30	40	50	50	60	60	80	80

*U tolerances: 11mm-28mm, j6; 38mm, k6



B14-C Face

	063	071	080	090 S	090 L	100	112	132 S	132 M
AA MIN	5	10	10	10	10	10	10	13	13
AA MAX	10	14	14	14	14	14	14	18	18
AB	80	80	80	98	98	98	98	118	118
AC	98.5	110.5	121.5	129.5	129.5	138.5	153.5	177.5	177.5
AJ	75	85	100	115	115	130	130	165	165
AK	60	70	80	95	95	110	110	130	130
BB	2.5	2.5	3	3	3	3.5	3.5	3.5	3.5
BD	90	105	120	140	140	160	160	200	200
BU	M5 TAP	M6 TAP	M6 TAP	M8 TAP	M8 TAP	M8 TAP	M8 TAP	M10 TAP	M10 TAP
C	186.5	208	231	246.5	271.5	307.5	323	372.5	410.5
D	74	74	74	98	98	98	98	118	118
H	69	73	77	89.5	89.5	97.5	100	115.5	115.5
P	121	139	158	173	173	191	210.5	248.4	248.4
R	12.5	16	21.5	27	27	31	31	41	41
S	4	5	6	8	8	8	8	10	10
U*	11	14	19	24	24	28	28	38	38
UT	M4 TAP	M5 TAP	M6 TAP	M8 TAP	M8 TAP	M10 TAP	M10 TAP	M12 TAP	M12 TAP
V	23	30	40	50	50	60	60	80	80

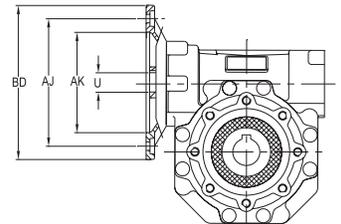
*U tolerances: 11mm-28mm, j6; 38mm, k6

MOUNTING & IEC FRAME OPTIONS

	B3	B8	B6	B7	V5	V6
SW...T						
SW...PA						
SW...PB						
SW...PV						

Size 075-105 reduction units mounted in the positions indicated with an asterisk () must be modified to ensure uniform wear on the input bearing. Please call Motovario for assistance with the V5 or V6 mounting position.

Model	IEC Frame	AK	AJ	BD	U	Available Ratios															
						5	7.5	10	15	20	25	30	40	50	60	80	100				
SW030	63B5	95	115	140	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	63B14	60	75	90	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	56B5	80	100	120	9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	56B14	50	65	80	9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW040	71B5	110	130	160	14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	71B14	70	85	105	14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	63B5	95	115	140	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	63B14	60	75	90	11	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW050	80B5	130	165	200	19	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	80B14	80	100	120	19	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	71B5	110	130	160	14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	71B14	70	85	105	14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW063	90B5	130	165	200	24	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	90B14	95	115	140	24	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	80B5	130	165	200	19	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	80B14	80	100	120	19	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW075	71B5	110	130	160	14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	71B14	70	85	105	14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	90B5	130	165	200	24	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	90B14	95	115	140	24	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW090	80B5	130	165	200	19	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	80B14	80	100	120	19	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	100/112B5	180	215	250	28	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	100/112B14	110	130	160	28	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
SW105	90B5	130	165	200	24	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	90B14	95	115	140	24	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	132B5	230	265	300	38	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	100/112B5	180	215	250	28	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



*All dimensions are shown in millimeters.

CROSS REFERENCE CHART

SW Series	Note	Bonfiglioli	SITI	STM	SW Series	Note	Bonfiglioli	SITI	STM
SW030T	■	MVF030P..P	MI030	RMI028P	SW063PV	▲	MVF063V..P	MI060V	RMI063D
SW030PA	▲	MVF030A..P			SW063FA	●	VF063FC..P		RMI063F1
SW030PB	▲	MVF030N..P			SW063FB	●	VF063F..P	MI060FR	RMI063FL
SW030PV	▲	MVF030V..P			SW063FC	●		MI060F	RMI063F2
SW030FA	●	MVF030F..P	MI030FBC	RMI028F1	SW063FD	●		MI060F	
ISW030T	■	MVF030P..HS	I030	RI028P	SW063FE	●		MI060FBR	RMI063F3
ISW030PA	▲	MVF030A..HS			ISW063T	■	MVF063P..HS	I060FP	RI063P
ISW030PB	▲	MVF030N..HS			ISW063PA	▲	MVF063A..HS	I060A	RI063S
ISW030PV	▲	MVF030V..HS			ISW063PB	▲	MVF063N..HS	I060B	RI063I
ISW030FA	●	MVF030F..HS	I030FBC	RI028F1	ISW063PV	▲	MVF063V..HS	I060V	RI063D
					ISW063FA	●	MVF063FC..HS		RI063F1
					ISW063FB	●	MVF063F..HS	I060FR	RI063FL
SW040T	■	MVF044P..P	MI040FP	RMI040P	ISW063FC	●		I060F	RI063F2
SW040PA	▲	MVF044A..P			ISW063FD	●		I060F	
SW040PB	▲	MVF044N..P			ISW063FE	●		I060FBR	RI063F3
SW040PV	▲	MVF044V..P							
SW040PAS	▲		MI040A	RMI040S					
SW040PBS	▲		MI040B	RMI040I	SW075T	■	MVF072P..P	MI070FP	RMI070P
SW040PVS	▲		MI040V	RMI040D	SW075PA	▲	MVF072A..P	MI070A	
SW040FA	●	MVF044F..P	MI040FR	RMI040F1	SW075PB	▲	MVF072N..P	MI070B	
SW040FB	●	MVF044FA..P			SW075PV	▲	MVF072V..P	MI070V	
SW040FC	●		MI040F	RMI040FL	SW075FA	●	MVF072F..P	MI070F	RMI070FL
SW040FD	●		MI040FBR	RMI040F2	SW075FB	●	MVF072FCR..P	MI070FBR	RMI070F3
ISW040T	■	MVF044P..HS	I040FP	RI040P	ISW075T	■	MVF072P..HS	I070FP	RI070P
ISW040PA	▲	MVF044A..HS			ISW075PA	▲	MVF072A..HS	I070A	
ISW040PB	▲	MVF044N..HS			ISW075PB	▲	MVF072N..HS	I070B	
ISW040PV	▲	MVF044V..HS			ISW075PV	▲	MVF072V..HS	I070V	
ISW040PAS	▲		I040A	RI040S	ISW075FA	●	MVF072F..HS	I070F	RI070FL
ISW040PBS	▲		I040B	RI040I	ISW075FB	●	MVF072FCR..HS	I070FBR	RI070F3
ISW040PVS	▲		I040V	RI040D					
ISW040FA	●	MVF044F..HS	I040FR	RI040F1	SW090T	■	MVF086P..P	MI080FP/MI090FP	RMI085P
ISW040FB	●	MVF044FA..HS			SW090PA	▲	MVF086A..P	MI080A	RMI085S
ISW040FC	●		I040F	RI040FL	SW090PB	▲	MVF086N..P	MI080B	RMI085I
ISW040FD	●		I040FBR	RI040F2	SW090PV	▲	MVF086V..P	MI080V	RMI085D
					SW090PAS	▲		MI090A	
SW050T	■	MVF049P..P	MI050FP	RMI050P	SW090PBS	▲		MI090B	
SW050PA	▲	MVF049A..P			SW090PVS	▲		MI090V	
SW050PB	▲	MVF049N..P			SW090FA	●	MVF086FC..P		RMI085F2
SW050PV	▲	MVF049V..P			SW090FB	●		MI090F	
SW050PAS	▲		MI050A	RMI050S	SW090FC	●		MI080F/MI090FBR	RMI085FL
SW050PBS	▲		MI050B	RMI050I	ISW090T	■	MVF086P..HS	I080FP/I090FP	RI085P
SW050PVS	▲		MI050V	RMI050D	ISW090PA	▲	MVF086A..HS	I080A	RI085S
SW050FA	●	MVF049F..P	MI050FR	RMI050F1	ISW090PB	▲	MVF086N..HS	I080B	RI085I
SW050FB	●	MVF049FA..P			ISW090PV	▲	MVF086V..HS	I080V	RI085D
SW050FC	●		MI050F	RMI050FL	ISW090PAS	▲		I090A	
SW050FD	●		MI050FBR	RMI050F3	ISW090PBS	▲		I090B	
ISW050T	■	MVF049P..HS	I050FP	RI050P	ISW090PVS	▲		I090V	
ISW050PA	▲	MVF049A..HS			ISW090FA	●	MVF086FC..P		RI085F2
ISW050PB	▲	MVF049N..HS			ISW090FB	●		I090F	
ISW050PV	▲	MVF049V..HS			ISW090FC	●		I080F/I090FBR	RI085FL
ISW050PAS	▲		I050A	RI050S					
ISW050PBS	▲		I050B	RI050I	SW105T	■	MVF110P..P	MI110FP	RMI110P
ISW050PVS	▲		I050V	RI050D	SW105PA	▲	MVF110A..P	MI110A	
ISW050FA	●	MVF049F..HS	I050FR	RI050F1	SW105PB	▲	MVF110N..P	MI110B	
ISW050FB	●	MVF049FA..HS			SW105PV	▲	MVF110V..P	MI110V	
ISW050FC	●		I050F	RI050FL	SW105FA	●	MVF110FC..P		RMI110F2
ISW050FD	●		I050FBR	RI050F3	ISW105T	■	MVF110P..HS	I110FP	RI110P
					ISW105PA	▲	MVF110A..HS	I110A	
SW063T	■	MVF063P..P	MI060FP	RMI063P	ISW105PB	▲	MVF110N..HS	I110B	
SW063PA	▲	MVF063A..P	MI060A	RMI063S	ISW105PV	▲	MVF110V..HS	I110V	
SW063PB	▲	MVF063N..P	MI060B	RMI063I	ISW105FA	●	MVF110FC..HS		RI110F2

*Note - ■ Indicates a Shaft Mounted Gear Reducer ▲ Indicates a Foot Mounted Gear Reducer ● Indicates a Flange Mounted Gear Reducer