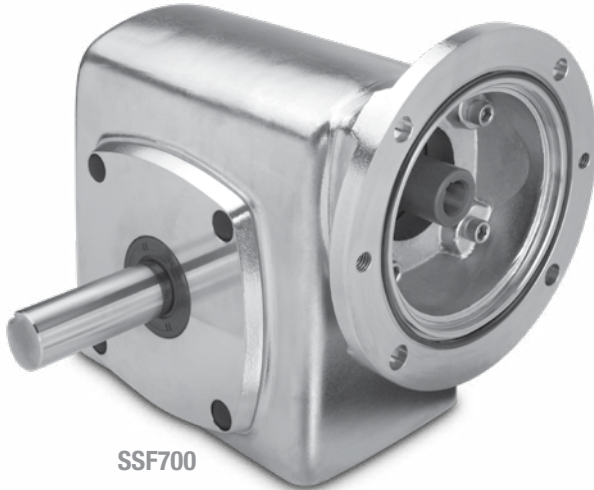


700 Series Stainless Steel Washdown Duty Reducers

SSF700/SSQC/SSHF700 Series Basic Models (No Base)

FOR ORDERING INFORMATION, see Page 16
FOR RATING INFORMATION, See Pages 17, 22-33

A



SSF700



SSHF700



SSHQC700

APPLICATIONS:

- Washdown
- Food Processing
- Chemical Processing
- Pharmaceutical Industry

STANDARD FEATURES:

- The original Domed Crown™ Design
- NSF International certified
- Housings, bearing carriers, and flanges are made from 316 cast stainless steel to withstand hostile environments
- 303 stainless steel output shaft
- All stainless steel hardware
- Motor Flange "O" ring sealed
- Flange features two jack screw holes for easy motor removal
- Double lip shaft seals for superior performance in hostile environments
- This is a specially designed internal pressure equalization system which allows the gearbox to operate in all environments without the use of conventional pressure vents
- Lubricated for life with Klubersynth UH1 6-460 synthetic oil for wide temperature ranges, maximum efficiency and long maintenance-free operation
- Oil filled for all mounting positions
- Laser marked nameplate
- Optional high pressure/wash down seals available

SS700 Series Worm Gear Speed Reducers

Ordering Information

Single Reduction Worm Speed Reducer

Example: **SSHF732B-30KT-B7-HS1-P20-KUTFSS-3**

SS	H	F	7	32	B	-	30	K
SS – Stainless Steel Material	Style Blank – Solid Output Shaft H – <i>BestMount</i> Hollow Output	F – Quill Style Motor Flange QC – Quick Connect Motor Flange (Close Coupled)	700 Series	Center Distance (Inches) 13 – 1.33 15 – 1.54 18 – 1.75 21 – 2.06 24 – 2.38 26 – 2.62 32 – 3.25	Base Blank – No Base B – Horizontal Base V – Output Flange - Right Mount W – Output Flange - Left Mount		Reduction Ratio To 1 5 10 15 20 25 30 40 50 60 80 100	Lubrication Blank – No Lubrication K – Klubersynth UH1-6-460 H1 Food-Grade

Double Reduction Worm - Planetary Speed Reducer

Example: **SSHFWP732B-300KT-B5-HS1-P20**

SS	H	F	WP	7	32	B	-	300
SS – Stainless Steel Material	Style Blank – Solid Output Shaft H – <i>BestMount</i> Hollow Output	F – Quill Style Motor Flange QC – Quick Connect Motor Flange (Close Coupled)	Planetary Multiplier	700 Series	Center Distance 13 – 1.33 15 – 1.54 18 – 1.75 21 – 2.06 24 – 2.38 26 – 2.62 32 – 3.25	Base Blank – No Base B – Horizontal Base V – Output Flange - Right Mount W – Output Flange - Left Mount		Reduction Ratio To 1 75 100 150 200 250 300 400 500

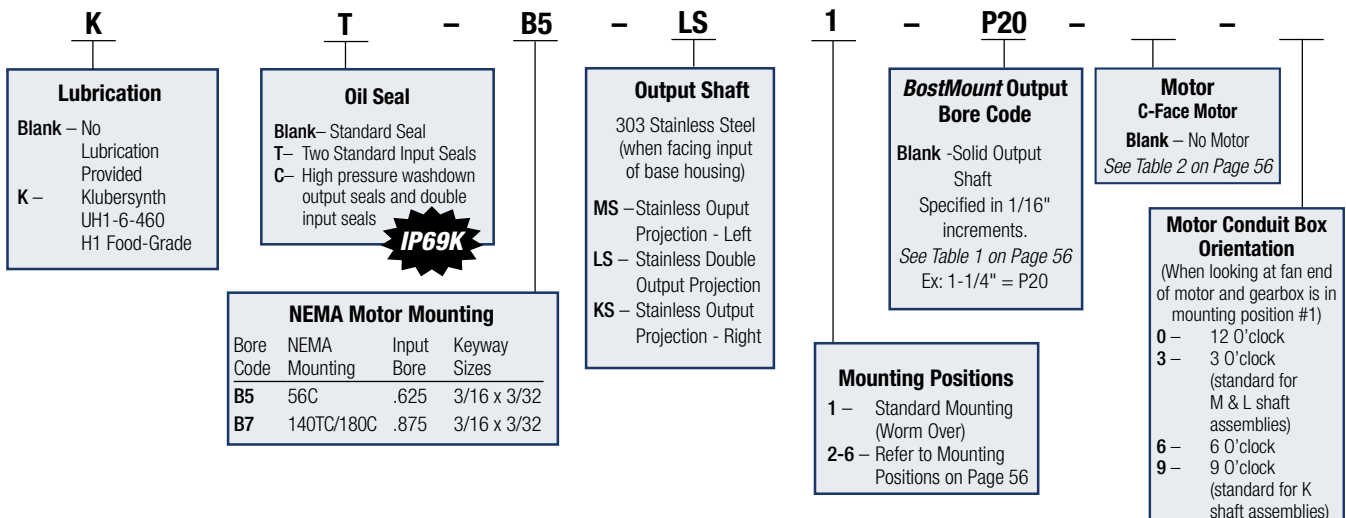
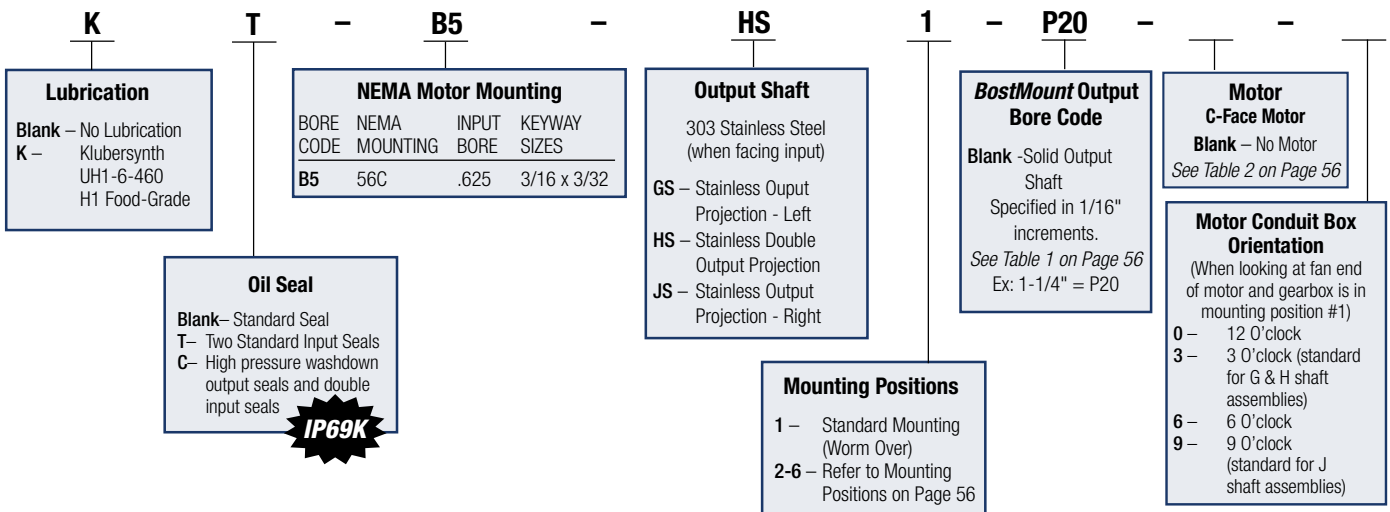
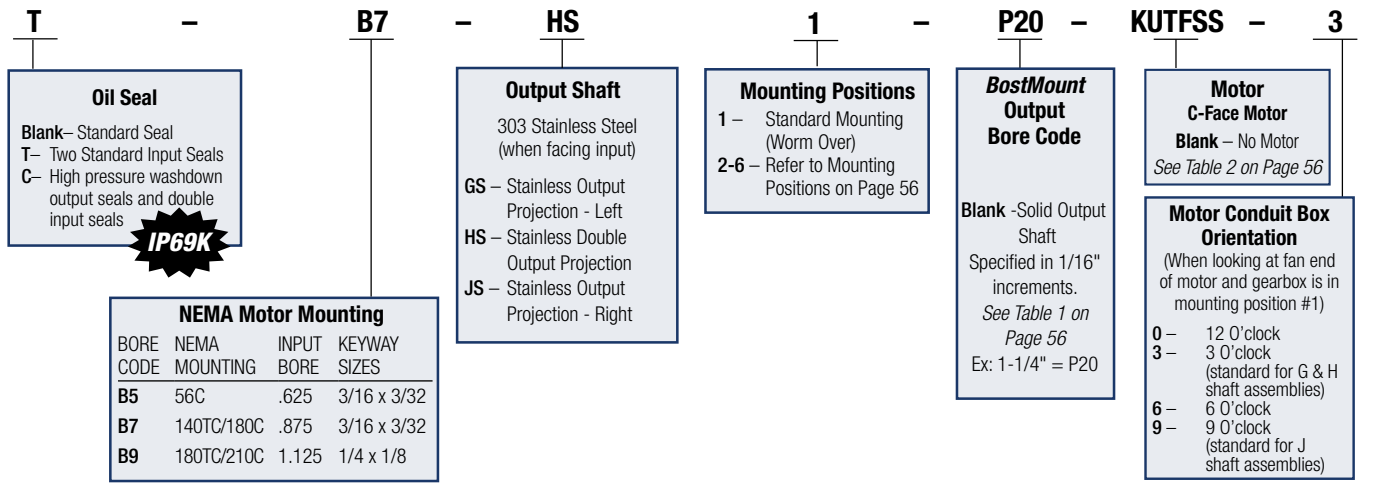
Double Reduction Worm - Worm Speed Reducer

Example: **SSHFWB732B-3600KT-B5-LS1-P20**

SS	H	F	WB	7	32	B	-	3600
	Style Blank – Solid Output Shaft H – <i>BestMount</i> Hollow Output	F – Quill Style Motor Flange QC – Quick Connect Motor Flange (Close Coupled)	Input & Output Style WB – Double Reduction Parallel Shafts WD – Double Reduction Right Angle Shafts	700 Series	Center Distance (Inches) 13 – 1.33 18 – 1.75 21 – 2.06 26 – 2.62 32 – 3.25	Base Blank – No Base B – Horizontal Base V – Output Flange - Right Mount W – Output Flange - Left Mount		Reduction Ratio To 1 100 150 200 300 400 600 900 1200 1800 2000 2400 3000 3600
SS – Stainless Steel Material								

SS700 Series Worm Gear Speed Reducers

Ordering Information



SS700 Series Worm Gear Speed Reducers

Ordering Information

Horizontal Base Kits for SS700 Series

(If ordered separately)

Size	Kit
713	J00877 XSS713-11H-BK
715	J00878 XSS715-11H-BK
718	J00304 XSS718-11H-BK
721	J00305 XSS721-11H-BK
724	J00879 XSS724-11H-BK
726	J00306 XSS726-11H-BK
732	J00307 XSS732-11H-BK

Kit includes (2) feet, (4) attaching bolts and (4) hardware covers.

Table 1: Hollow Output Shaft Bore Codes

Fraction Size	Output Bore Code	713	715	718	721	724	726	732	Decimal Size*	Key Size†
5/8	P10	S							.6250	.187 x .125 x 1.00
3/4	P12	•	•	•	•	•			.7500	.187 x .156 x 1.00
7/8	P14	•	•	•	•	•			.8750	.187 x .156 x 1.00
15/16	P15	•	•	•	•	•	•		.9375	.25 x .218 x 1.37
1	P16	S	S	S	S	S	•		1.0000	.25 x .218 x 1.37
1-1/8	P18				•	•	•		1.1250	.25 x .218 x 1.37
1-3/16	P19				S	S	•	•	1.1875	.25 x .218 x 1.37
1-1/4	P20				S	S	S	•	1.2500	.25 x .218 x 1.37
1-7/16	P23				S	S	S	S	1.4375	.375 x .312 x 1.75
1-1/2	P24						S	S	1.5000	.375 x .312 x 1.75
1-15/16	P31						•	S	1.9375	.50 x .375 x 2.00
2	P32							•	2.0000	.50 x .375 x 2.00
2 3/16	P35							•	2.1875	.50 x .375 x 2.00

*Bore tolerance +.0015 / - .0000

S Standard Bore – Included in Express Program

• Optional Bore

† Rectangular key is provided with reducer to fit hollow shaft. Drive shaft requires standard width and depth keyway.

Note: For all other bore sizes, contact factory.

Replacement Hardware Covers

Size	Housing Oil Plugs	Bearing Carrier	Mounting Feet	Output Flange	Motor Flange B5/B7 (56C/140TC)	Motor Flange B9 (180TC)
713	J00195	N/A	N/A	J00195	J00195	J00195 & J00196
715	J00195	J00195	J00196	J00195	J00195	J00195 & J00196
718	J00195	J00195	J00196	J00195	J00195	J00195 & J00196
721	J00195	J00195	J00196	J00195	J00195	J00195 & J00196
724	J00195	J00195	J00196	J00195	J00195	J00195 & J00196
726	J00195	J00195	J00196	J00195	J00195	J00195 & J00196
732	J00195	J00195	J00196	J00196	J00195	J00195 & J00196

J00195 has nominal O.D. of 0.605"

J00196 has nominal O.D. of 0.812"

Material: Stainless Steel disk (metal detectable) with over-molded rubber

Table 2: Stainless Steel AC Motors

Part #	HP	Type	Frame Size
FUT-SS	0.5	TENV	56C
GUT-SS	0.75	TENV	56C
HUT5/8-SS	1.0	TENV	56C
HUTF5/8-SS	1.0	TEFC	56C
HUT-SS	1.0	TENV	140TC
HUTF-SS	1.0	TEFC	140TC
JUTF-SS	1.5	TEFC	140TC
KUTF-SS	2.0	TEFC	140TC
LUTF-SS	3.0	TEFC	180TC
MUTF-SS	5.0	TEFC	180TC

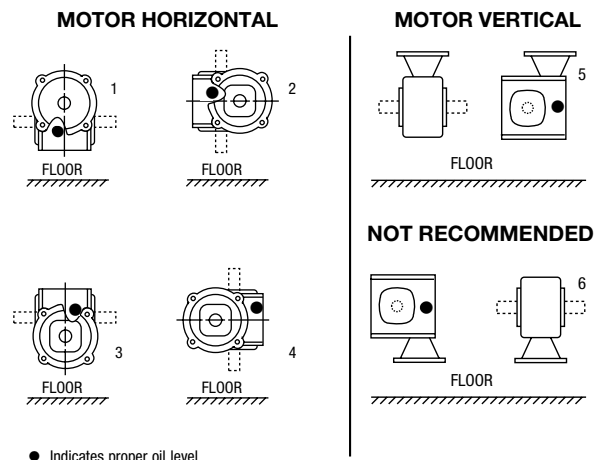
TENV = Totally enclosed, non-ventilated

TEFC = Totally enclosed, fan-cooled

Mounting Positions & Lubrication

Oil Levels For Typical Mounting Positions

(Examples shown for single-reduction models only)



NOTE: Double input seals are required for all positions except #1 and #5.

Enclosed Worm Gear Reducers Lubricant Available from Boston Gear

Recommended Oil (or equivalent)	Viscosity Range SUS @ 100°F	ISO Viscosity Grade No.	Klubersynth UH1 6-460 Qt. Part No.
Klubersynth* UH1 6-460 Synthetic H1 Food Grade Oil	1950/2500	460	65159

Ambient temperature range of -20F to +125F is suitable for standard configured products and ratings. Contact technical support for operating conditions beyond this range.

* Synthetic recommendation is exclusively Klubersynth UH1 6-460, other lubricants will reduce performance ratings.

** The Klubersynth UH1 6-460 lubricant will perform at temperatures considerably higher than 225°F. However, the factory should always be consulted prior to operating at higher temperatures, as damage may occur to oil seals and other components.

Oil Capacity in Fluid Ounces

(SS700 Units Only)

Unit Size	Positions				
	1	2	3	4	5 & 6
713	3.2	3.2	4.8	3.2	3.2
715	11.2	13.6	17.6	13.6	13.6
718	14.4	17.6	20.8	17.6	17.6
721	17.6	20.8	22.4	20.8	20.8
724	21.0	22.5	25.5	22.5	22.5
726	37.0	37.0	41.5	37.0	37.0
732	81.5	85.0	93.0	85.0	85.0

Double reduction stainless gearboxes require the primary and secondary boxes to be filled independently to their respective mounting position.

SS700 Series Single Reduction

Ratios and Performance

Single Reduction

A

Series Size			713			715			718			721			724			726			732		
Ratio	Input RPM	Output RPM	Input HP	Output Torque		Input HP	Output Torque		Input HP	Output Torque		Input HP	Output Torque		Input HP	Output Torque		Input HP	Output Torque		Input HP	Output Torque	
				HP	(in-lbs)		HP	(in-lbs)		HP	(in-lbs)		HP	(in-lbs)		HP	(in-lbs)		HP	(in-lbs)		HP	(in-lbs)
5	1750	350	1.39	1.31	235	1.72	1.62	291	2.55	2.40	432	3.66	3.44	620	4.94	4.65	838	6.11	5.74	1034	10.05	9.54	1716
	1150	230	0.84	0.73	200	1.15	1.04	285	1.42	1.28	350	2.33	2.10	575	3.05	2.74	750	4.05	3.64	1000	8.43	7.91	2165
	690	138	0.50	0.45	205	0.80	0.72	330	0.97	0.87	400	1.64	1.47	670	2.25	2.01	920	3.04	2.74	1250	6.53	6.02	2749
	100	20	0.09	0.08	240	0.14	0.12	370	0.17	0.14	460	0.30	0.26	820	0.43	0.38	1200	0.58	0.51	1600	1.38	1.19	3735
10	1750	175	0.86	0.78	281	1.20	1.10	397	1.61	1.49	536	2.34	2.19	789	3.18	2.97	1069	3.94	3.74	1345	6.22	5.85	2106
	1150	115	0.51	0.44	243	0.73	0.64	350	0.98	0.87	480	1.49	1.32	725	2.09	1.87	1025	2.82	2.54	1390	4.41	3.92	2150
	690	69	0.33	0.29	266	0.47	0.42	384	0.66	0.58	534	1.00	0.89	814	1.46	1.31	1200	1.97	1.75	1600	3.17	2.85	2600
	100	10	0.06	0.05	296	0.09	0.07	432	0.12	0.10	610	0.19	0.15	968	0.27	0.23	1430	0.37	0.31	1960	0.62	0.52	3300
15	1750	116.7	0.66	0.58	305	0.91	0.79	428	1.13	1.02	552	1.72	1.56	840	2.34	2.15	1159	2.95	2.71	1465	4.65	4.34	2344
	1150	76.7	0.37	0.32	262	0.53	0.46	376	0.67	0.57	472	1.06	0.91	752	1.51	1.29	1060	2.01	1.73	1425	3.15	2.74	2250
	690	46	0.26	0.21	288	0.36	0.30	415	0.46	0.39	534	0.72	0.61	832	1.05	0.90	1239	1.41	1.22	1675	2.35	2.04	2800
	100	6.7	0.05	0.03	322	0.07	0.05	468	0.09	0.06	597	0.13	0.10	968	0.19	0.15	1463	0.28	0.22	2057	0.48	0.39	3700
20	1750	87.5	0.52	0.43	308	0.72	0.60	435	0.97	0.82	590	1.40	1.24	892	1.95	1.71	1233	2.34	2.06	1483	3.71	3.35	2413
	1150	57.5	0.29	0.24	265	0.43	0.35	380	0.58	0.48	525	0.86	0.72	782	1.27	1.06	1160	1.63	1.36	1500	2.77	2.37	2600
	690	34.5	0.19	0.16	286	0.28	0.23	420	0.38	0.32	580	0.57	0.48	875	0.83	0.70	1280	1.11	0.94	1725	1.99	1.70	3100
	100	5	0.04	0.03	330	0.06	0.04	485	0.08	0.06	690	0.11	0.08	1018	0.17	0.12	1550	0.20	0.16	2050	0.41	0.30	3846
25	1750	70	0.43	0.34	307	0.60	0.49	437	0.76	0.64	574	1.16	0.97	875	1.55	1.33	1199	1.94	1.68	1514	3.08	2.71	2443
	1150	46	0.24	0.19	260	0.35	0.27	375	0.48	0.36	500	0.72	0.58	790	1.03	0.84	1150	1.31	1.11	1525	2.29	1.90	2600
	690	27.6	0.15	0.12	280	0.22	0.18	410	0.30	0.24	540	0.47	0.38	875	0.69	0.56	1280	0.93	0.77	1750	1.51	1.27	2900
	100	4	0.03	0.02	310	0.04	0.03	451	0.06	0.04	660	0.10	0.07	975	0.14	0.10	1500	0.18	0.13	2075	0.31	0.22	3500
30	1750	58.3	0.39	0.29	311	0.54	0.41	446	0.65	0.53	573	0.99	0.81	871	1.33	1.11	1200	1.68	1.41	1521	2.64	2.27	2456
	1150	38.3	0.21	0.16	270	0.31	0.23	388	0.40	0.32	530	0.62	0.48	795	0.89	0.70	1170	1.20	0.96	1575	2.80	2.23	2675
	690	23	0.14	0.11	300	0.20	0.17	460	0.29	0.22	600	0.41	0.32	880	0.60	0.47	1300	0.81	0.65	1790	1.41	1.16	3200
	100	3.3	0.03	0.02	340	0.04	0.03	496	0.06	0.04	710	0.09	0.06	1050	0.12	0.08	1500	0.16	0.11	2100	0.30	0.21	4000
40	1750	43.8	0.31	0.21	307	0.43	0.31	441	0.57	0.42	609	0.81	0.61	876	1.08	0.84	1206	1.33	1.05	1512	2.10	1.70	2444
	1150	28.8	0.18	0.12	265	0.24	0.17	380	0.33	0.24	525	0.49	0.36	785	0.70	0.53	1160	0.89	0.68	1500	1.52	1.19	2600
	690	17.3	0.10	0.08	286	0.15	0.11	420	0.22	0.16	580	0.33	0.24	875	0.46	0.35	1280	0.61	0.47	1725	1.08	0.85	3100
	100	2.5	0.03	0.01	330	0.04	0.02	485	0.05	0.03	690	0.07	0.04	1018	0.11	0.06	1550	0.14	0.08	2050	0.25	0.15	3846
50	1750	35	0.25	0.17	297	0.35	0.24	429	0.44	0.32	573	0.66	0.48	857	0.87	0.65	1177	1.08	0.82	1484	1.70	1.33	2403
	1150	23	0.12	0.09	248	0.18	0.13	360	0.24	0.17	470	0.38	0.27	750	0.56	0.40	1100	0.75	0.54	1482	1.21	0.89	2450
	690	13.8	0.08	0.06	265	0.12	0.09	390	0.17	0.12	520	0.26	0.18	840	0.37	0.26	1225	0.51	0.37	1675	0.87	0.61	2800
	100	2	0.02	0.01	300	0.03	0.01	440	0.04	0.02	590	0.06	0.03	970	0.08	0.05	1425	0.11	0.06	1975	0.19	0.10	3325
60	1750	29.2	0.22	0.13	271	0.28	0.18	399	0.35	0.24	527	0.55	0.38	826	0.73	0.52	1128	0.89	0.64	1385	1.40	1.06	2281
	1150	19.2	0.17	0.09	201	0.16	0.10	312	0.21	0.13	440	0.34	0.22	730	0.49	0.32	1040	0.64	0.42	1390	1.05	0.70	2300
	690	11.5	0.10	0.05	253	0.11	0.06	338	0.14	0.08	480	0.23	0.15	805	0.33	0.21	1154	0.44	0.29	1570	0.71	0.48	2650
	100	1.7	0.02	0.01	285	0.022	0.01	371	0.03	0.01	530	0.06	0.03	930	0.07	0.04	1330	0.10	0.05	1840	0.16	0.08	3100
80	1750	21.9	0.15	0.08	222	0.21	0.11	318	0.23	0.13	375	0.38	0.22	634	-	-	-	0.76	0.38	1100	0.95	0.62	1795
	1150	14.4	0.12	0.06	246	0.17	0.08	358	0.16	0.09	390	0.31	0.17	734	-	-	-	0.47	0.29	1252	0.81	0.50	2171
	690	8.6	0.09	0.04	266	0.12	0.05	392	0.10	0.05	350	0.23	0.11	819	-	-	-	0.35	0.18	1340	0.61	0.34	2512
	100	1.3	0.02	0.01	293	0.03	0.01	440	0.02	0.01	470	0.05	0.02	942	-	-	-	0.07	0.03	1600	0.14	0.06	3030
100	1750	17.5	0.08	0.04	138	0.15	0.07	251	0.17	0.09	323	0.27	0.14	503	-	-	-	0.39	0.21	757	0.65	0.39	1414
	1150	11.5	0.07	0.028	152	0.12	0.05	283	0.14	0.07	360	0.22	0.11	580	-	-	-	0.34	0.17	913	0.56	0.31	1711
	690	6.9	0.05	0.02	164	0.09	0.03	309	0.10	0.04	391	0.16	0.07	646	-	-	-	0.26	0.12	1054	0.43	0.22	1980
	100	1	0.01	0.00	180	0.02	0.01	347	0.02	0.01	435	0.04	0.01	744	-	-	-	0.06	0.02	1267	0.10	0.04	2387
Overhung Load*			200 lbs			300 lbs			500 lbs			700 lbs.			900 lbs			1000 lbs			1300 lbs		
Output Shaft Thrust Load			300 lbs			400 lbs			500 lbs			700 lbs			800 lbs			900 lbs			1100 lbs		

Ratings shown reflect maximum gear capacity based on AGMA standards (Service Factor = 1.0) with Klubersynth UH1 6-460.

*Overhung Load is at centerline of output shaft projection and with NO THRUST Load.

Note: For input speeds above 1750 RPM, do NOT exceed maximum listed input horsepower.

SS700 Series Double Reduction

Ratios and Performance

Worm-Planetary Double Reduction (WP)

Series Size			SS_WP713			SS_WP715			SS_WP718			SS_WP721			SS_WP724			SS_WP726			SS_WP732		
Ratio	Input RPM	Output RPM	Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output	
				HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)
75	1750	23.3	0.15	0.11	293	0.24	0.16	446	0.27	0.21	570	0.44	0.34	910	0.66	0.51	1367	0.75	0.57	1542	0.75	0.57	1542
100	1750	17.5	0.13	0.09	311	0.19	0.13	457	0.25	0.18	643	0.38	0.27	957	0.56	0.40	1435	0.74	0.53	1912	0.75	0.54	2072
150	1750	11.7	0.10	0.06	300	0.16	0.09	509	0.18	0.12	663	0.26	0.18	978	0.40	0.26	1415	0.53	0.36	1969	0.75	0.51	2747
200	1750	8.8	0.08	0.04	309	0.13	0.07	520	0.14	0.09	643	0.20	0.13	957	0.35	0.20	1435	0.42	0.27	1912	0.75	0.49	3509
250	1750	7	0.07	0.03	312	0.11	0.06	505	0.10	0.06	560	0.16	0.10	915	0.27	0.15	1340	0.33	0.21	1848	0.54	0.34	3103
300	1750	5.8	0.06	0.03	273	0.09	0.04	477	0.09	0.05	510	0.15	0.08	877	0.24	0.12	1255	0.30	0.16	1726	0.50	0.27	2909
400	1750	4.4	0.05	0.02	251	0.08	0.03	419	0.07	0.03	413	0.13	0.06	890	-	-	-	0.22	0.10	1490	0.44	0.20	2811
500	1750	3.5	0.03	0.01	197	0.05	0.02	330	0.05	0.02	416	0.09	0.04	702	-	-	-	0.16	0.07	1177	0.28	0.12	2215
Overhung Load*			200 lbs			300 lbs			500 lbs			700 lbs			900 lbs			1000 lbs			1300 lbs		
Output Shaft Thrust Load			300 lbs			400 lbs			500 lbs			700 lbs			800 lbs			900 lbs			1100 lbs		

Stand-Alone Planetary			SSFSP5 and SSFSP5A		
Ratio	Input RPM	Output RPM	Input HP	Output	
				HP	Torque (in-lbs)
5	1750	350	0.75	0.69	124

Ratings shown reflect maximum gear capacity based on AGMA standards (Service Factor = 1.0) with Klubersynth UH1 6-460.

Worm-Planetary and Stand-Alone Planetary gearing is not recommended for use in applications with repetitive vibrational or impact loading.

*Overhung Load is at centerline of output shaft projection and with NO THRUST Load.

Note: For input speeds above 1750 RPM, do NOT exceed maximum listed input horsepower.

Worm-Worm Double Reduction (WB & WD)

Series Size			SS_WB/WD713			SS_WB/WD718			SS_WB/WD721			SS_WB/WD726			SS_WB/WD732		
Ratio	Input RPM	Output RPM	Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output		Input HP	Output	
				HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)		HP	Torque (in-lbs)
100	1750	17.5	0.16	0.08	275	0.23	0.16	570	0.41	0.25	910	0.75	0.50	1785	1.33	0.96	3450
150	1750	11.7	0.13	0.05	280	0.23	0.11	580	0.30	0.17	940	0.56	0.34	1840	1.00	0.67	3600
200	1750	8.8	0.12	0.05	320	0.19	0.09	660	0.25	0.14	990	0.47	0.26	1875	0.81	0.53	3800
300	1750	5.8	0.10	0.03	335	0.16	0.06	690	0.20	0.09	1025	0.37	0.18	1950	0.61	0.36	3950
400	1750	4.4	0.09	0.02	330	0.12	0.05	690	0.17	0.02	1025	0.31	0.14	1950	0.48	0.27	3900
600	1750	2.9	0.08	0.02	340	0.10	0.03	710	0.13	0.05	1025	0.25	0.09	2000	0.36	0.18	4025
900	1750	1.9	0.07	0.01	340	0.08	0.02	710	0.11	0.03	1050	0.21	0.06	2000	0.28	0.12	4025
1200	1750	1.5	0.07	0.01	330	0.07	0.02	690	0.10	0.02	1025	0.19	0.05	1950	0.23	0.09	3900
1800	1750	1	-	-	-	-	-	-	0.08	0.01	900	0.16	0.03	1775	0.19	0.06	3750
2000	1750	0.9	-	-	-	0.052	0.008	590	-	-	-	0.16	0.03	1940	0.22	0.05	3880
2400	1750	0.7	-	-	-	-	-	-	0.05	0.01	900	0.15	0.02	1864	0.17	0.04	3143
3000	1750	0.6	-	-	-	-	-	-	-	-	-	0.14	0.02	1800	0.15	0.04	3750
3600	1750	0.5	-	-	-	-	-	-	-	-	-	0.13	0.01	1865	0.14	0.02	3154
Overhung Load*			200 lbs.			500 lbs.			700 lbs.			1000 lbs.			1300 lbs.		
Output Shaft Thrust Load			300 lbs.			500 lbs.			700 lbs.			900 lbs.			1100 lbs.		

Ratings shown reflect maximum gear capacity based on AGMA standards (Service Factor = 1.0) with Klubersynth UH1 6-460.

*Overhung Load is at centerline of output shaft projection and with NO THRUST Load.

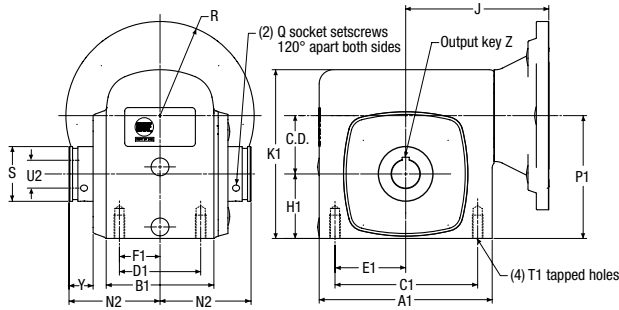
Note: For input speeds above 1750 RPM, do NOT exceed maximum listed input horsepower.

SS700 Series Single Reduction, With and Without Base

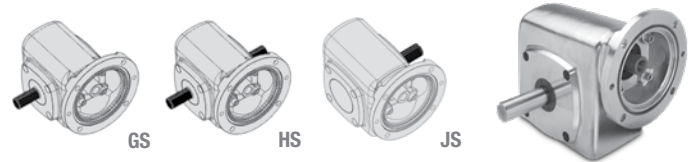
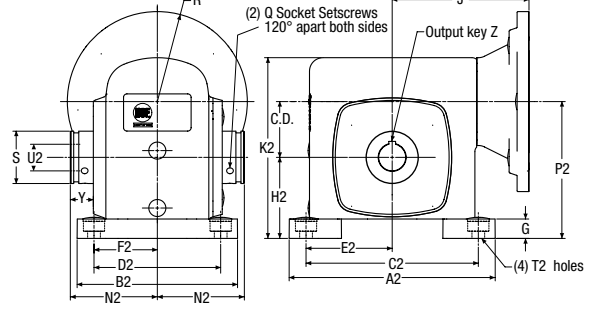
Dimensions



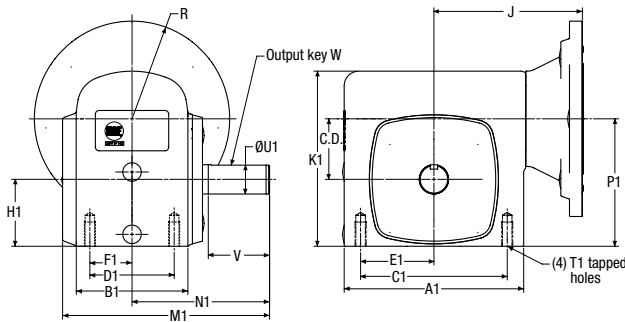
SSHF700 & SSHQC700 Hollow Shaft without Base



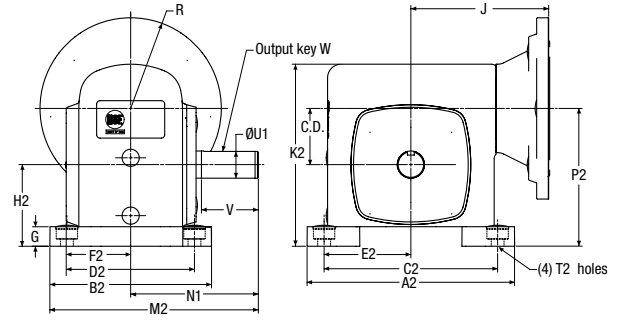
SSHF700 & SSHQC700 Hollow Shaft with Base



SSF700 & SSQC700 GS Solid Shaft without Base



SSF700 & SSQC700 GS Solid Shaft with Base



Size	C.D.	A1	A2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2
713	1.33	4.35	5.25	2.87	4.19	3.25	4.38	2.00	3.31	1.63	2.19	1.00	1.66
715	1.54	5.26	6.46	3.69	5.5	4.19	5.25	2.75	4.31	2.09	2.63	1.38	2.16
718	1.75	5.63	7.00	3.69	5.75	4.19	5.75	2.75	4.50	2.09	2.88	1.38	2.25
721	2.06	6.12	7.62	3.81	5.94	5.00	6.38	2.88	4.69	2.50	3.19	1.44	2.34
724	2.38	6.52	8.37	4.06	6.18	5.00	7.06	2.88	4.88	2.5	3.53	1.44	2.44
726	2.62	7.58	9.25	4.44	6.50	6.38	8.00	3.38	5.25	3.19	4.00	1.69	2.63
732	3.25	9.20	11.00	5.88	7.62	7.50	9.50	4.00	6.13	3.75	4.75	2.00	3.06

Size	G	H1	H2	J				K1	K2	M1	M2	N1	N2	P1	P2	Q
				F700		QC700										
				56C/140TC	180TC	56C/140TC	180TC									
713	0.53	1.72	2.25	3.94	-	5.46	-	4.27	4.8	5.88	6.10	4.00	2.50	3.06	3.59	#10-32
715	0.59	1.91	2.5	4.50	-	6.11	-	5.48	6.08	6.71	7.06	4.31	3.03	3.44	4.06	#10-32
718	0.69	2.06	2.75	4.69	-	6.29	-	5.31	6.00	6.74	7.19	4.31	3.03	3.81	4.50	#10-32
721	0.72	2.28	3.00	5.06	-	6.76	-	5.97	6.69	7.09	7.66	4.69	3.22	4.34	5.06	1/4-28
724	0.75	2.5	3.25	5.25	5.69	6.95	7.81	7.04	7.79	7.61	8.18	5.09	3.22	4.88	5.63	1/4-28
726	0.75	2.94	3.69	5.75	6.19	7.39	7.81	7.50	8.25	8.33	8.87	5.63	3.44	5.56	6.31	5/16-24
732	0.88	3.50	4.38	6.56	7.00	8.20	8.77	9.25	10.13	10.49	10.99	7.06	4.31	6.75	7.63	5/16-24

Size	R		S	T1	T2 C'Bore/ Hole Dias.	U1 +.000 -.001	Max U2*	V	W	Y	Z	Approx. Weight (lbs.)			
	56C/140TC	180TC/210TC										SSF700	SSHF700	SSF700B	SSHF700B
713	3.33	-	1.38	5/16-18	-	0.625	1.0000	2.00	3/16 x 1	0.63	*	13	15	15	17
715	3.33	-	1.38	5/16-18	.60 / .41	0.750	1.0000	1.78	3/16 x 1	0.63	*	21	24	23	26
718	3.33	-	1.38	5/16-18	.60 / .41	0.875	1.0000	1.78	3/16 x 1	0.60	*	22	25	25	28
721	3.33	-	2.00	3/8-16	.78 / .47	1.000	1.4375	2.09	1/4 x 1-1/4	0.82	*	27	30	30	33
724	3.33	4.63	2.00	3/8-16	.78 / .47	1.125	1.4375	2.38	1/4 x 1-1/4	0.70	*	37	42	41	46
726	3.33	4.63	2.50	3/8-16	.78 / .53	1.125	1.9375	2.63	1/4 x 1-15/16	0.73	*	40	47	44	51
732	3.33	4.63	2.88	7/16-14	.78 / .53	1.375	2.1875	3.25	5/16 x 2-7/16	0.89	*	63	76	70	83

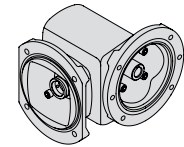
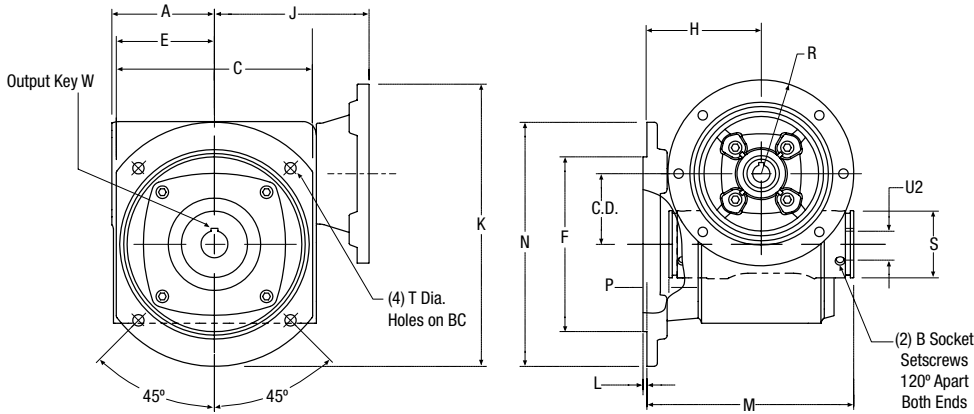
* Refer to Table 1 on page 56.

SS700 Series Single Reduction, With Output Flange

Dimensions

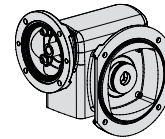
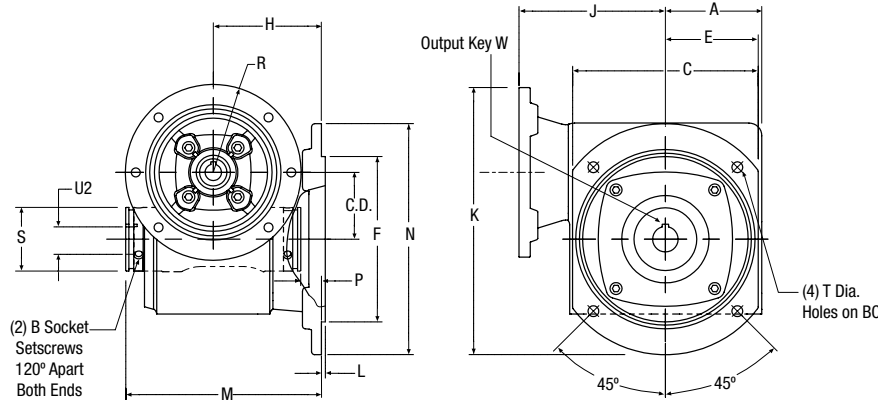


SSHF700W & SSHQC700W Hollow Output Shaft, W Position



W Output Flange
(Available for all sizes)

SSHF700V & SSHQC700V Hollow Output Shaft, V Position



V Output Flange
(Not available for sizes 718 & 721)

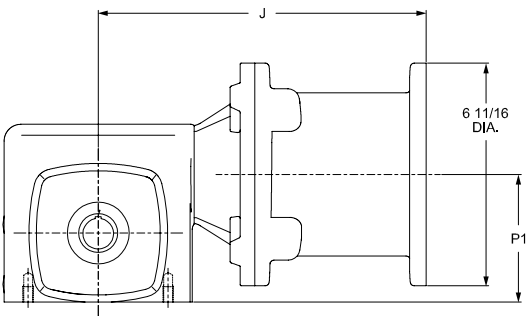
Size	C.D.	A	B	C	B.C.	E	F	H	J				K	L
									F700		QC700 			
									56C/140TC	180TC	56C/140TC	180TC		
713	1.33	2.18	#10-32	4.75	5.00	2.38	4.125	3.18	3.94	-	5.46	-	7.55	0.15
715	1.54	2.63	#10-32	5.54	5.88	2.77	4.750	4.08	4.50	-	6.11	-	8.34	0.15
718	1.75	2.82	#10-32	5.53	5.88	2.77	4.750	3.62	4.69	-	6.29	-	8.55	0.15
721	2.06	3.06	1/4-28	6.03	6.50	3.02	5.250	3.94	5.06	-	6.76	-	9.17	0.15
724	2.38	3.25	1/4-28	6.80	7.50	3.40	5.500	4.22	5.25	5.69	6.95	7.81	9.94	0.15
726	2.62	3.80	5/16-24	7.29	8.00	3.65	6.500	4.45	5.75	6.19	7.39	7.81	10.50	0.15
732	3.25	4.60	5/16-24	8.79	10.00	4.40	8.000	5.50	6.56	7.00	8.20	8.77	12.22	0.15

Size	M	N	P	R		S	T**		Low Speed Shaft			Approx Weight (lbs.)
				56C/140TC	180TC/210TC		Hole Dia	C-Bore Dia	Hollow Bore Output			
									Max U2*	W - Key		
										Sq.	Length	
713	5.68	5.80	0.68	3.33	-	1.38	0.362	0.600	1.0000	*	*	16
715	7.11	6.94	1.05	3.33	-	1.38	0.362	0.600	1.0000	*	*	26
718	0.65	6.94	0.59	3.33	-	1.38	0.362	0.600	1.0000	*	*	29
721	7.16	7.56	0.72	3.33	-	2.00	0.425	0.600	1.4375	*	*	34
724	7.44	8.60	1.00	3.33	4.63	2.00	0.425	0.600	1.4375	*	*	48
726	7.89	9.08	1.01	3.33	4.63	2.50	0.425	0.600	1.9375	*	*	51
732	9.81	11.28	1.19	3.33	4.63	2.88	0.535	0.808	2.1875	*	*	80

* Refer to Table 1 on page 56.

** Designed for use with socket head capscrews.

SSHFWP700 & SSHQCW700 Hollow Output Shaft



Size	C.D.	J		P1
		F700	QC700 NEW	
		56C/140TC	56C/140TC	
713	1.33	9.07	10.59	3.06*
715	1.54	9.63	11.24	3.44
718	1.75	9.82	11.42	3.81
721	2.06	10.19	11.89	4.34
724	2.38	10.38	12.08	4.88
726	2.62	10.88	12.52	5.56
732	3.25	11.69	13.33	6.75

*Motor flange will drop below the bottom of the speed reducer.
Same dimensions for SSHFWP700 & SSQCWP700 Solid Output Shaft Models.

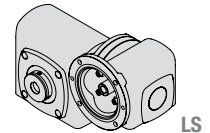
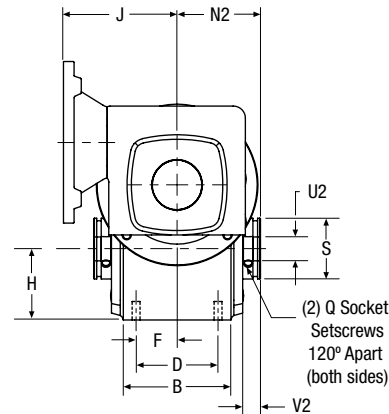
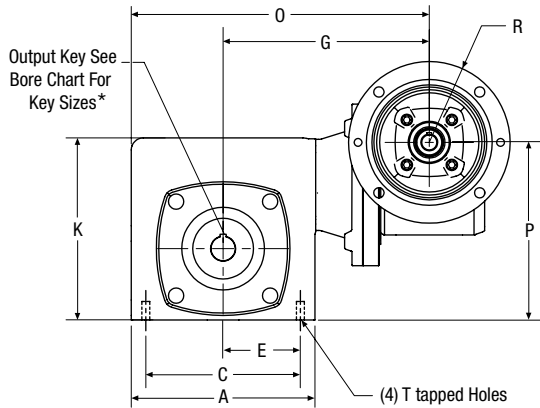
SS700 WB Series Double Reduction, Parallel Shafts

Dimensions

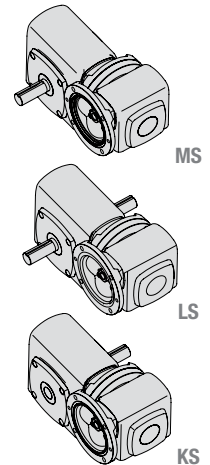
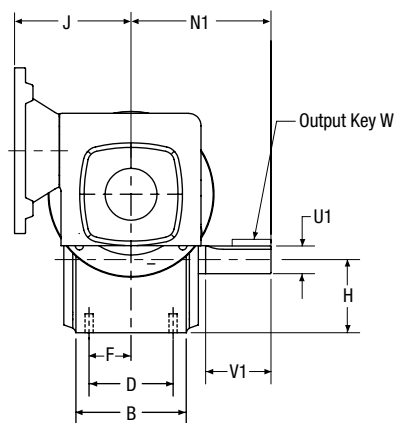
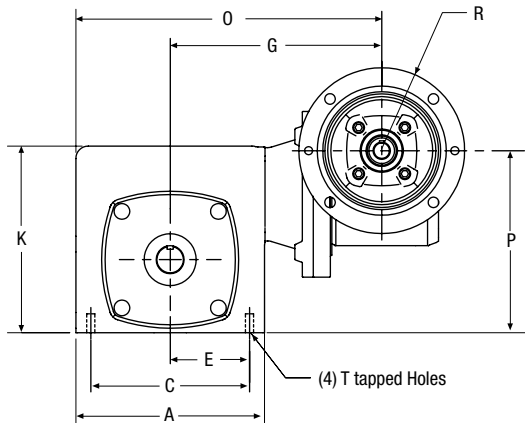


A

SSHFWB700 & SSHQCWB700 Hollow Output Shaft



SSFWB700 & SSQCWB700 Solid Output Shaft



Size	A	B	C	D	E	F	G	H	J		K	N1	N2	O	P
									F700	QC700 NEW					
									56C/140TC	56C/140TC					
713	4.35	2.87	3.25	2.00	1.63	1.00	7.00	1.72	3.94	5.46	4.27	4.00	2.50	9.18	4.39
718	5.63	3.69	4.19	2.75	2.09	1.38	7.75	2.06	3.94	5.46	5.31	4.31	3.03	10.57	5.14
721	6.12	3.81	5.00	2.88	2.50	1.44	8.12	2.28	3.94	5.46	5.97	4.69	3.22	11.18	5.67
726	7.58	4.44	6.38	3.38	3.19	1.69	8.56	2.94	4.68	6.29	7.50	5.63	3.44	12.35	7.32
732	9.20	5.88	7.50	4.00	3.75	2.00	9.37	3.50	4.68	6.29	9.25	7.06	4.31	13.97	8.50

Size	Q	R 56C/140TC	S	T	Low Speed Shaft						Approx Weight (lbs.)	
				Tap Size	Solid Output Shaft				Hollow Bore Output			
					U1 +.000 -.001	V1	W - Key		Max U2*	V2		
							Sq.	Length				
713	#10-32	3.33	1.38	5/16-18	0.625	2.13	3/16	1	1.0000	0.63	28	30
718	#10-32	3.33	1.38	5/16-18	0.875	1.78	3/16	1	1.0000	0.60	37	40
721	1/4-28	3.33	2.00	3/8-16	1.000	2.09	1/4	1-1/4	1.4375	0.82	42	45
726	5/16-24	3.33	2.50	3/8-16	1.125	2.63	1/4	1-15/16	1.9375	0.73	62	69
732	5/16-24	3.33	2.88	7/16-14	1.375	3.25	5/16	2-7/16	2.1875	0.88	85	98

* Refer to Table 1 on page 56.

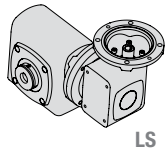
SS700 WD Series Double Reduction, Right Angle Shafts

Dimensions

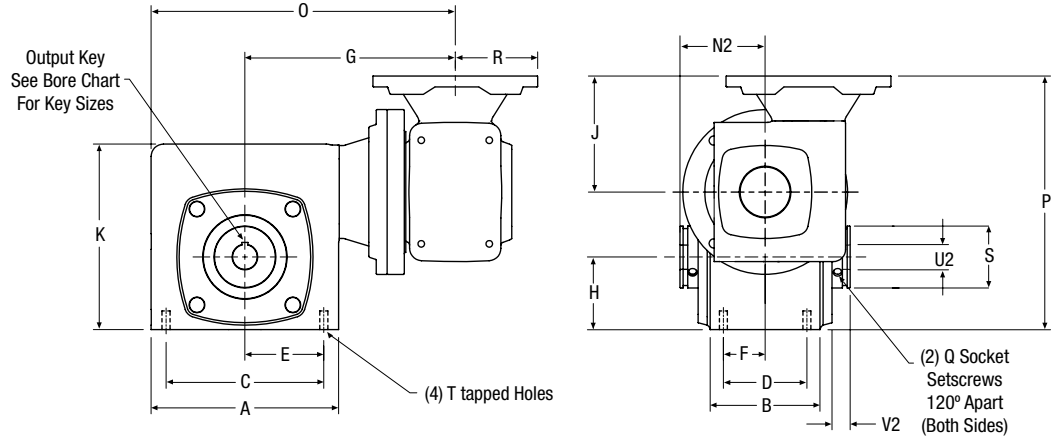


A

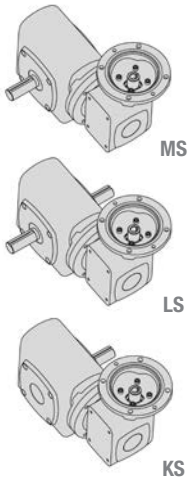
SSHFW700 & SSHQCWD700 Hollow Output Shaft



LS



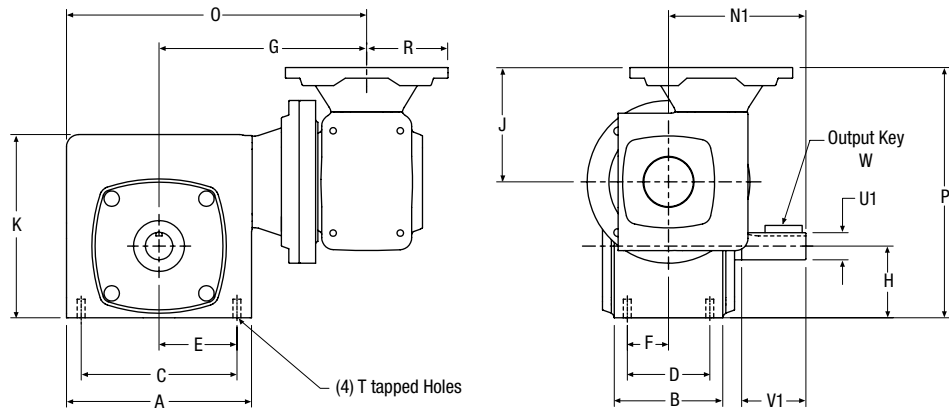
SSFWD700 & SSQCWD700 Solid Output Shaft



MS

LS

KS



Size	A	B	C	D	E	F	G	H	J		K	N1	N2	O	P	
									F700	QC700 NEW					F700	QC700 NEW
									56C/140TC	56C/140TC					56C/140TC	56C/140TC
713	4.35	2.87	3.25	2.00	1.63	1.00	7.00	1.72	3.94	5.46	4.27	4.00	2.50	9.18	4.39	5.91
718	5.63	3.69	4.19	2.75	2.09	1.38	7.75	2.06	3.94	5.46	5.31	4.31	3.03	10.57	5.14	6.66
721	6.12	3.81	5.00	2.88	2.50	1.44	8.12	2.28	3.94	5.46	5.97	4.69	3.22	11.18	5.67	7.19
726	7.58	4.44	6.38	3.38	3.19	1.69	8.56	2.94	4.68	6.29	7.50	5.63	3.44	12.35	10.25	11.86
732	9.20	5.88	7.50	4.00	3.75	2.00	9.37	3.50	4.68	6.29	9.25	7.06	4.31	13.97	11.44	13.05

Size	Q	R 56C/140TC	S	T	Low Speed Shaft						Approx Weight (lbs.)	
				Tap Size	Solid Output Shaft				Hollow Bore Output			
					U1 +.000 -.001	V1	W - Key		Max U2*	V2		
							Sq.	Length				
713	#10-32	3.33	1.38	5/16-18	0.625	2.13	3/16	1	1.0000	0.63	28	30
718	#10-32	3.33	1.38	5/16-18	0.875	1.78	3/16	1	1.0000	0.60	37	40
721	1/4-28	3.33	2.00	3/8-16	1.000	2.09	1/4	1-1/4	1.4375	0.82	42	45
726	5/16-24	3.33	2.50	3/8-16	1.125	2.63	1/4	1-15/16	1.9375	.73	62	69
732	5/16-24	3.33	2.88	7/16-14	1.375	3.25	5/16	2-7/16	2.1875	.88	85	98

* Refer to Table 1 on page 56.