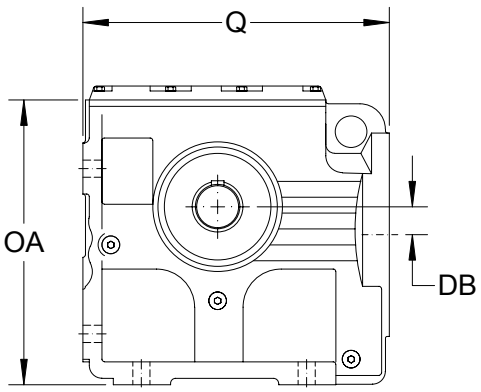
Technical Note

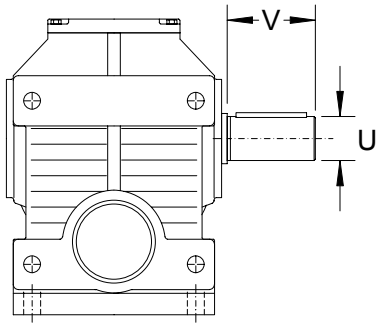
S Series – Helical Worm Units

Dimension Comparisons – Foot Mounted

Mechanical

Old		New
S32	⇒	S37
S42	⇒	S47
S52	⇒	S57
S62	⇒	S67
S72	⇒	S77
S82	⇒	S87
S92	⇒	S97





Dimensions are millimeters, unless otherwise indicated.

Size	Torque Max (lb-in)	Ratio Range	Number of Ratios	DB	OA	Q	U in / mm	V
S37	**814**	**6.80 – 157.43**	**(30)**	**-**	**143**	**143**	**0.750” 20**	**40**
S32	717	6.24 – 120.69	(21)	-	143	143	0.750” 20	40
S47	**1505**	**7.28 – 201.00**	**(31)**	**8**	**165**	**171**	**1.000” 25**	**50**
S42	1239	7.89 – 202.09	(25)	4	163	177	1.000” 25	50
S57	**2611**	**7.28 – 201.00**	**(31)**	**20**	**189**	**187**	**1.250” 30**	**60**
S52	2301	8.74 – 197.16	(25)	17	190	187	1.250” 30	60
S67	**4602**	**7.56 – 217.41**	**(35)**	**22**	**236**	**241**	**1.375” 35**	**70**
S62	4115	8.83 – 237.32	(26)	20	231	241	1.375” 35	70
S77	**11240**	**8.06 – 256.47**	**(37)**	**34**	**301**	**287**	**1.750” 45**	**90**
S72	9293	8.21 – 229.48	(26)	26	291	287	1.750” 45	90
S87	**20178**	**7.88 – 288.00**	**(36)**	**37.5**	**368**	**340**	**2.375” 60**	**120**
S82	18585	8.50 – 282.38	(26)	30	372	345	2.375” 60	120
S97	**35400**	**8.26 – 286.40**	**(34)**	**52**	**455**	**420**	**2.875” 70**	**140**
S92	32834	10.00 – 291.90	(24)	44	458	420	2.875” 70	140

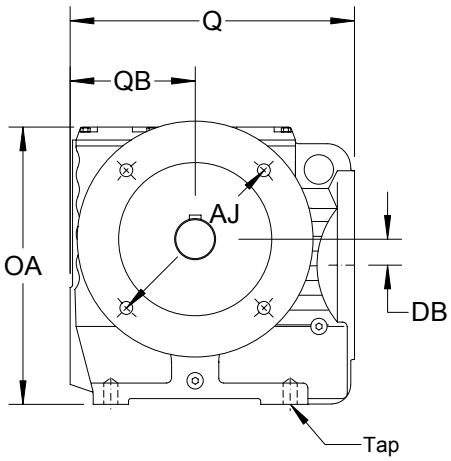
Indicates dimensional change from old to new

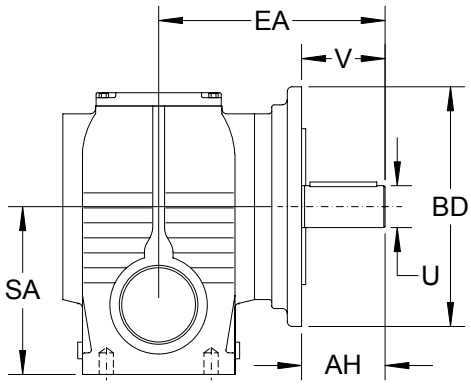
Technical Note

SF Series – Helical Worm Units

Dimension Comparisons – Flange Mounted

Old		New
SF32	⇒	SF37
SF42	⇒	SF47
SF52	⇒	SF57
SF62	⇒	SF67
SF72	⇒	SF77
SF82	⇒	SF87
SF92	⇒	SF97





Dimensions are millimeters, unless otherwise indicated.

Size	DB	EA	AJ	OA	Q	QB	SA	AH	BD	U in / mm	V
SF37	**-**	**115**	**100 or 130**	**131**	**143**	**63**	**82**	**40**	**120/160**	**0.750" 20**	**40**
SF32	-	115	100 or 130	131	143	63	82	40	120/160	0.750" 20	40
SF47	**8**	**133.5**	**130**	**179**	**171**	**75**	**100**	**49.5**	**160**	**1.000" 25**	**50**
SF42	4	136	130	179	185	83	100	50	160	1.000" 25	50
SF57	**20**	**160**	**165**	**189**	**187**	**80**	**112**	**60**	**200**	**1.250" 30**	**60**
SF52	17	98	165	204	198	91	112	60	200	1.250" 30	60
SF67	**22**	**190**	**165**	**236**	**241**	**106**	**140**	**70**	**200**	**1.375" 35**	**70**
SF62	20	190	165	257	243	108	145	70	200	1.375" 35	70
SF77	**34**	**232**	**215**	**301**	**287**	**125**	**180**	**90**	**250**	**1.750" 45**	**90**
SF72	26	228	215	321	294	132	180	90	250	1.750" 45	90
SF87	**37.5**	**290**	**300**	**368**	**340**	**150**	**225**	**120**	**350**	**2.375" 60**	**120**
SF82	30	280	300	385	351	156	232	120	350	2.375" 60	120
SF97	**52**	**340**	**400**	**455**	**420**	**180**	**280**	**140**	**450**	**2.875" 70**	**140**
SF92	44	329	400	490	442	202	285	140	450	2.875" 70	140

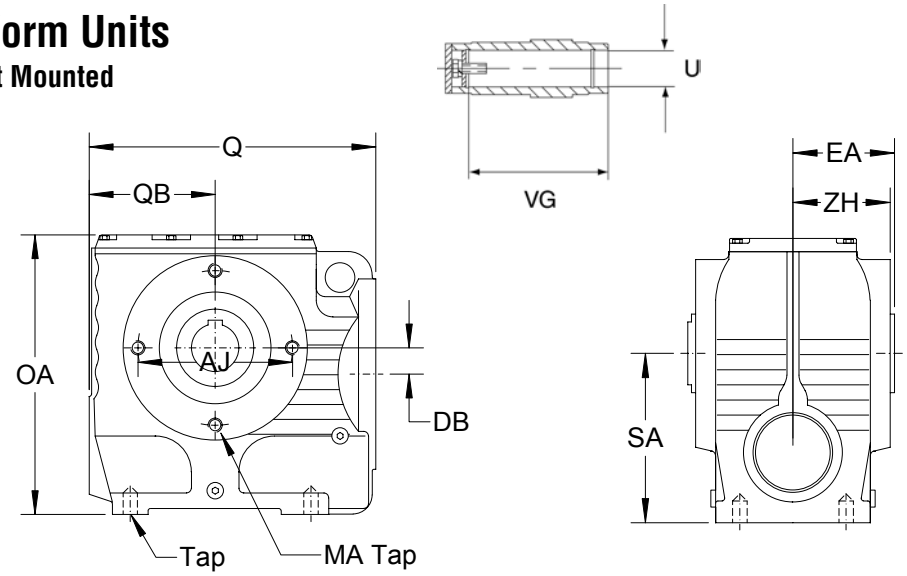
Indicates dimensional change from old to new

Technical Note

SA Series – Helical Worm Units

Dimension Comparisons – Shaft Mounted

Old		New
SA32	⇒	SA37
SA42	⇒	SA47
SA52	⇒	SA57
SA62	⇒	SA67
SA72	⇒	SA77
SA82	⇒	SA87
SA92	⇒	SA97



Dimensions are millimeters, unless otherwise indicated.

Size	DB	EA	OA	Q	QB	SA	ZH	AJ*	U in / mm	VG	MA	# tapped holes **
SA37	**-**	**60**	**131**	**143**	**63**	**82**	**57**	**75**	**0.750" 20**	**104**	**M6**	**4**
SA32	-	60	131	143	63	82	57	75	0.750" 20	104	M6	4
SA47	**8**	**60**	**179**	**171**	**75**	**100**	**57.5**	**115**	**1.250" 30 or 25**	**105**	**M8**	**4**
SA42	4	70	179	185	83	100	62.5	115	1.250" 30 or 25	122 125	M8	4
SA57	**20**	**75**	**189**	**187**	**80**	**112**	**72**	**102**	**1.375" 35 or 30**	**132**	**M8**	**6**
SA52	17	72.5	204	198	91	112	62.5	130	1.375" 35 or 30	127	M8	6
SA67	**22**	**84**	**236**	**241**	**106**	**140**	**80.5**	**130**	**1.500" 45 or 40**	**144**	**M12**	**4**
SA62	20	90	257	243	108	145	80.5	165	1.500" 45 or 40	156	M10	6
SA77	**34**	**105**	**301**	**287**	**125**	**180**	**101**	**155**	**2.000" 60 or 50**	**180**	**M12**	**8**
SA72	26	109	321	294	132	180	97.5	215	2.000" 60 or 50	188 191	M12	6
SA87	**37.5**	**125**	**368**	**340**	**150**	**225**	**120**	**180**	**2.375" 70 or 60**	**220**	**M16**	**8**
SA82	30	125	385	351	156	232	103.5	265	2.375" 70 or 60	220	M12	8
SA97	**52**	**145**	**455**	**420**	**180**	**280**	**140**	**220**	**2.750" 90 or 70**	**255**	**M16**	**8**
SA92	44	150	490	442	202	285	125	350	2.750" 90 or 70	265 270	M16	8

Indicates dimensional change from old to new

* The SA..7 series uses a different torque arm than the SA..2 series. The AJ dimension changed; however, the distance from the center of the shaft to the center of the torque arm bolt (pin) remains the same.

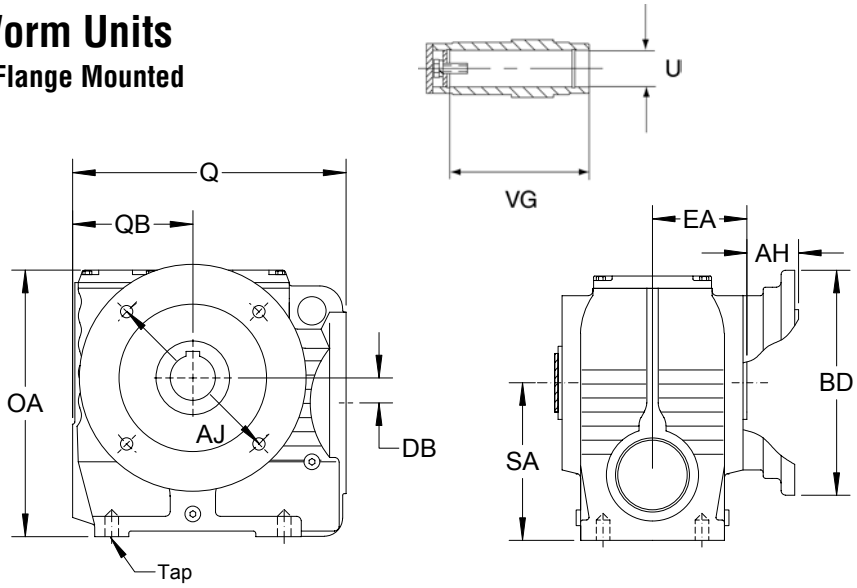
** See the SEW catalog for the orientation of the MA tapped holes.

Technical Note

SAF Series – Helical Worm Units

Dimension Comparisons – Shaft/Flange Mounted

Old		New
SAF32	⇒	SAF37
SAF42	⇒	SAF47
SAF52	⇒	SAF57
SAF62	⇒	SAF67
SAF72	⇒	SAF77
SAF82	⇒	SAF87
SAF92	⇒	SAF97



Dimensions are millimeters, unless otherwise indicated.

Size	DB	EA	OA	Q	QB	SA	AH	AJ	BD	U	VG
SAF37	**-**	**60**	**131**	**143**	**63**	**82**	**15**	**100 or 130**	**120 or 160**	**0.750" 20**	**104**
SAF32	-	60	131	143	63	82	15	100 or 130	120 or 160	0.750" 20	104
SAF47	**8**	**60**	**179**	**171**	**75**	**100**	**24**	**130**	**160**	**1.250" 30 or 25**	**105**
SAF42	4	70	179	185	83	100	26.5	130	160	1.250" 30 or 25	122 125
SAF57	**20**	**75**	**189**	**187**	**80**	**112**	**25**	**165**	**200**	**1.375" 35 or 30**	**132**
SAF52	17	72.5	204	198	91	112	35	165	200	1.375" 35 or 30	127
SAF67	**22**	**84**	**236**	**241**	**106**	**140**	**42.5**	**165**	**200**	**1.500" 45 or 40**	**144**
SAF62	20	90	257	243	108	145	42.5	165	200	1.500" 45 or 40	156
SAF77	**34**	**105**	**301**	**287**	**125**	**180**	**45.5**	**215**	**250**	**2.000" 60 or 50**	**180**
SAF72	26	109	321	294	132	180	45.5	215	250	2.000" 60 or 50	188 191
SAF87	**37.5**	**125**	**368**	**340**	**150**	**225**	**52.5**	**300**	**350**	**2.375" 70 or 60**	**220**
SAF82	30	125	385	351	156	232	52.5	300	350	2.375" 70 or 60	220
SAF97	**52**	**145**	**455**	**420**	**180**	**280**	**60**	**400**	**450**	**2.750" 90 or 70**	**255**
SAF92	44	150	490	442	202	285	60	400	450	2.750" 90 or 70	265 270

Indicates dimensional change from old to new