

Steering Catalog

Measurements & Interchanges

**King Pin Sets, Spiral King Pin Sets,
Pre-Sized King Pins, Tools, Tie Rod Ends,
Drag Links & Cross Tubes**



For more information visit www.theuniversalgroup.com or call 1.800.225.1845

Universal Group®



The Universal Group, LLC
1025 Thomas Busch Memorial Highway
Pennsauken, New Jersey 08110
1.800.225.1845
856.488.1800
Fax 1.800.360.9636

King Pin Bushing Set Data

Universal Group (link to website)	King Pin Type	King Pin O.D./ Bushing I.D. (in.)	King Pin Small End O.D. (in.)	King Pin Length (in.)	Bushing Material
SKB-597	Double Keyway-Opposite Side	1.3	-	7.75	Bi-Metal
SKB-603	Double Keyway-Opposite Side	1.359	-	8.07	Bi-Metal
SKB-603PS	Double Keyway-Opposite Side	1.359	-	8.07	Bi-Metal
SKB-603V	Double Keyway-Opposite Side	1.359	-	8.07	Bi-Metal
SKB-603K	Double Keyway-Opposite Side	1.359	-	8.07	Steel/Spiral
SKB-537	Double Keyway-Opposite Side	1.433	-	8.25	Bi-Metal
SKB-637	Double Keyway-Opposite Side	1.433	-	8.25	Bi-Metal
SKB-637PS	Double Keyway-Opposite Side	1.433	-	8.25	Bi-Metal
SKB-714	Double Keyway-Opposite Side	1.498	-	7.15	Composite
SKB-715	Double Keyway-Opposite Side	1.498	-	7.51	Composite
SKB-715K	Double Keyway-Opposite Side	1.498	-	7.51	Steel/Spiral
SKB-729	Double Keyway-Opposite Side	1.5	-	8.94	Composite
SKB-567	Double Keyway-Opposite Side	1.609	-	9.16	Bi-Metal
SKB-571	Double Keyway-Opposite Side	1.609	-	9.66	Bi-Metal
SKB-571PS	Double Keyway-Opposite Side	1.609	-	9.66	Bi-Metal
SKB-558	Double Keyway-Opposite Side	1.745	-	9.38	Bi-Metal
SKB-911K	Double Keyway-Opposite Side	1.771	-	9.23	Steel/Spiral
SKB-900	Double Keyway-Opposite Side	1.794	-	8.84	Bi-Metal
SKB-900PS	Double Keyway-Opposite Side	1.794	-	8.84	Bi-Metal
SKB-663	Double Keyway-Opposite Side	1.794	-	8.84	Composite
SKB-900K	Double Keyway-Opposite Side	1.794	-	8.84	Steel/Spiral
SKB-910	Double Keyway-Opposite Side	1.794	-	9.016	Composite
SKB-908	Double Keyway-Opposite Side	1.794	-	9.02	Bi-Metal
SKB-507	Double Keyway-Opposite Side	1.794	-	9.12	Bi-Metal
SKB-713	Double Keyway-Opposite Side	1.794	-	9.18	Composite
SKB-539	Double Keyway-Opposite Side	1.794	-	10.07	Bi-Metal
SKB-598	Double Keyway-Opposite Side	1.794	-	10.07	Bi-Metal
SKB-598PS	Double Keyway-Opposite Side	1.794	-	10.07	Bi-Metal
SKB-525	Double Keyway-Opposite Side	1.794	-	10.4	Bi-Metal
SKB-551	Double Keyway-Opposite Side	1.794	-	10.4	Bi-Metal
SKB-551PS	Double Keyway-Opposite Side	1.794	-	10.4	Bi-Metal
SKB-574	Double Keyway-Opposite Side	1.794	-	10.4	Bi-Metal
SKB-634	Double Keyway-Opposite Side	1.794	-	10.4	Bi-Metal
SKB-634PS	Double Keyway-Opposite Side	1.794	-	10.4	Bi-Metal
SKB-634V	Double Keyway-Opposite Side	1.794	-	10.4	Bi-Metal
SKB-902PS	Double Keyway-Opposite Side	1.794	-	10.4	Bi-Metal
SKB-604	Double Keyway-Opposite Side	1.794	-	10.4	Composite
SWC-SRK112	Double Keyway-Opposite Side	1.794	-	10.4	Composite

King Pin Bushing Set Data

Universal Group (link to website)	King Pin Type	King Pin O.D./ Bushings I.D. (in.)	King Pin Small End O.D. (in.)	King Pin Length (in.)	Bushing Material
SKB-634K	Double Keyway-Opposite Side	1.794	-	10.4	Steel/Spiral
SKB-635	Double Keyway-Opposite Side	1.921	-	9.87	Bi-Metal
SKB-635PS	Double Keyway-Opposite Side	1.921	-	9.87	Bi-Metal
SKB-635V	Double Keyway-Opposite Side	1.921	-	9.87	Bi-Metal
SKB-635B	Double Keyway-Opposite Side	1.921	-	9.87	Composite
SKB-635K	Double Keyway-Opposite Side	1.921	-	9.87	Steel/Spiral
SKB-906	Double Keyway-Opposite Side	1.9985	-	11.234	Bi-Metal
SKB-906PS	Double Keyway-Opposite Side	1.9985	-	11.234	Bi-Metal
SKB-538	Double Keyway-Opposite Side	1.999	-	11.21	Bi-Metal
SKB-538PS	Double Keyway-Opposite Side	1.999	-	11.21	Bi-Metal
SKB-538V	Double Keyway-Opposite Side	1.999	-	11.21	Bi-Metal
SKB-590	Double Keyway-Opposite Side	1.999	-	11.21	Composite
SKB-664	Double Keyway-Opposite Side	1.999	-	11.21	Composite
SKB-538K	Double Keyway-Opposite Side	1.999	-	11.21	Steel/Spiral
SKB-636	Double Keyway-Opposite Side	2.046	-	10.12	Bi-Metal
SKB-636PS	Double Keyway-Opposite Side	2.046	-	10.12	Bi-Metal
SKB-901	Double Keyway-Same Side	1.359	-	8.07	Bi-Metal
SKB-901PS	Double Keyway-Same Side	1.359	-	8.07	Bi-Metal
SKB-901V	Double Keyway-Same Side	1.359	-	8.07	Bi-Metal
SKB-626	Double Keyway-Same Side	1.359	-	8.07	Composite
SKB-901K	Double Keyway-Same Side	1.359	-	8.07	Steel/Spiral
SKB-718	Double Keyway-Same Side	1.794	-	9.05	Bi-Metal
SKB-718PS	Double Keyway-Same Side	1.794	-	9.05	Bi-Metal
SKB-717	Double Keyway-Same Side	1.872	-	9.07	Bi-Metal
SKB-717PS	Double Keyway-Same Side	1.872	-	9.07	Bi-Metal
SKB-717V	Double Keyway-Same Side	1.872	-	9.07	Bi-Metal
SKB-629	Double Keyway-Same Side	1.872	-	9.07	Composite
SKB-717K	Double Keyway-Same Side	1.872	-	9.07	Steel/Spiral
SKB-907	Double Keyway-Same Side	2.046	-	10.07	Composite
SKB-542	Single Keyway	1.054	-	6.68	Bi-Metal
SKB-553	Single Keyway	1.054	-	6.68	Bi-Metal
SKB-541B	Single Keyway	1.179	-	6.36	Bi-Metal
SKB-903	Single Keyway	1.198	-	7.38	Bi-Metal
SKB-909	Single Keyway	1.198	-	7.38	Bi-Metal
SKB-611	Single Keyway	1.2	-	6.35	Bi-Metal
SKB-611PS	Single Keyway	1.2	-	6.35	Bi-Metal
SKB-632	Single Keyway	1.3	-	7.26	Bi-Metal
SKB-594	Single Keyway	1.3	-	7.26	Composite

King Pin Bushing Set Data

Universal Group (link to website)	King Pin Type	King Pin O.D./ Bushing I.D. (in.)	King Pin Small End O.D. (in.)	King Pin Length (in.)	Bushing Material
SKB-715V	Single Keyway	1.498	-	7.51	Composite
SKB-609	Single Keyway	1.625	-	9.2	Bi-Metal
SKB-609PS	Single Keyway	1.625	-	9.2	Bi-Metal
SKB-609V	Single Keyway	1.625	-	9.2	Bi-Metal
SKB-589	Single Keyway	1.625	-	9.2	Composite
SKB-609K	Single Keyway	1.625	-	9.2	Steel/Spiral
SKB-652	Single Keyway	1.794	-	9.05	Bi-Metal
SKB-652PS	Single Keyway	1.794	-	9.05	Bi-Metal
SKB-652V	Single Keyway	1.794	-	9.05	Bi-Metal
SKB-716	Single Keyway	1.794	-	9.05	Composite
SKB-652K	Single Keyway	1.794	-	9.05	Steel/Spiral
HT-R010300	Single Keyway	1.811	-	9.56	Bi-Metal
SKB-560	Single Keyway	1.811	-	10.78	Bi-Metal
SKB-653	Single Keyway	1.872	-	9.07	Bi-Metal
SKB-633	Single Keyway	1.872	-	9.97	Bi-Metal
SKB-633PS	Single Keyway	1.872	-	9.97	Bi-Metal
SKB-633V	Single Keyway	1.872	-	9.97	Bi-Metal
SKB-602	Single Keyway	1.872	-	9.97	Composite
SKB-640	Stepped-Threaded	1.614	1.3125	8.04	Bi-Metal
SKB-641	Stepped-Threaded	1.89	1.4995	9.2	Bi-Metal
SKB-642	Stepped-Threaded	1.89	1.4995	9.6	Bi-Metal
SKB-557	Tapered-Not Threaded	1.625	1.375	7.47	Bi-Metal
SKB-557PS	Tapered-Not Threaded	1.625	1.375	7.47	Bi-Metal
SKB-566	Tapered-Not Threaded	2.125	1.75	8.75	Composite
SKB-566V	Tapered-Not Threaded	2.125	1.75	8.75	Composite
SKB-566K	Tapered-Not Threaded	2.125	1.75	8.75	Steel/Spiral
SKB-904	Tapered-Threaded	2.36	1.577	8.92	Plastic
HT-003270	* [Pin not included]	1.811	-	-	Bi-Metal

(*) Add (2) **HT-003200** King Pins

V: Value line **K:** Spiral **PS:** Pre-Size/No Ream

King Pin Sets Competitive Interchange

Universal Group	Automann	Flagg	Dayton Parts
SKB-507	460.519B	FKP-37-B	300-182
SKB-525	460.148B	FKP-62-B	300-204
SKB-537	460.162B	FKP-69-B	300-207
SKB-538	460.166B	FKP-71-B	300-216
SKB-539	460.168B	FKP-72-B	300-217
SKB-541B	460.164B	FKP-70-B	300-209
SKB-542	460.172B	FKP-74-B	300-214
SKB-551	460.204B	FKP-90-B	300-232
SKB-553	460.186B	FKP-81-B	300-228
SKB-557	460.194B	FKP-85-B	300-231
SKB-558	460.196B	FKP-86-B	300-233
SKB-560	460.200B	FKP-88-B	300-235
SKB-566	460.212B	FKP-94-B	300-245
SKB-567	460.206B	FKP-91-B	300-248
SKB-571	460.216B	FKP-96-B	300-249
SKB-574	460.208B	FKP-100-C	300-264
SKB-589	460.220C	FKP-98-C	300-257
SKB-590	460.166C	FKP-99-C	300-265
SKB-594	460.452C	FKP-103-C	300-273
SKB-597	460.454B	FKP-104-B	300-260
SKB-598	460.457B	FKP-105-B	300-262
SKB-602	460.242C	FKP-109-C	300-267
SKB-603	460.244B	FKP-110-B	300-268
SKB-604	460.246C	FKP-111-C	300-266
SKB-609	460.254B	FKP-115-B	300-274
SKB-611	460.480B	FKP-117-B	300-279
SKB-626	460.536B	FKP-145C	300-319
SKB-629	460.534C	FKP-144-C	300-306
SKB-632	460.452B	FKP-103-B	300-285
SKB-633	460.242B	FKP-109-B	300-283
SKB-634	460.246B	FKP-111-B	300-284
SKB-635	460.260B	FKP-118-B	300-276
SKB-635B	460.260C	FKP-118-C	300-271
SKB-636	460.262B	FKP-119-B	300-277
SKB-637	460.264B	FKP-120-B	300-286
SKB-640	460.266B	FKP-121-B	300-287
SKB-641	460.268B	FKP-122-B	300-288
SKB-642	460.492B	FKP-123-B	300-289
SKB-652	460.286B	FKP-131-B	300-297
SKB-653	460.510B	FKP-132-B	300-294
SKB-663	460.518C	FKP-136-C	300-299
SKB-664	460.528C	FKP-141-C	300-310

King Pin Sets Competitive Interchange

Universal Group	Automann	Flagg	Dayton Parts
SKB-713	460.526C	FKP-140-C	300-312
SKB-714	460.532C	FKP-143-C	300-314
SKB-715	460.530C	FKP-142-C	300-316
SKB-716	460.286C	FKP-131-C	300-293
SKB-717	460.534B	FKP-144-B	300-305
SKB-718	460.524B	KB-718	300-303
SKB-729	460.325C	FKP-146-C	300-324
SKB-900	460.518B	FKP-136-B	300-317
SKB-901	MHSK482	HS118-K	300-336
SKB-903	460.105B	-	300-346
SKB-904	460.542N	-	300-340
SKB-906	460.537B	-	300-329
SKB-907	460.505C	-	300-342
SKB-908	460.608C	-	300-368
SKB-909	460.106B	-	300-367
H-60961-040	MHSK482	FKP-145-B	300-336
HT-003270	460.448B	HTS101	300-101
HT-003200	460.456B	HTS105	300-101A
HT-R010300	460.449B	-	300-102
SWC-SRK112	460.246WCK	-	300-SRK112

King pin only, does not include bushings

Value Line King Pin Sets

Universal Group	Automann	Flagg	Dayton Parts
SKB-538V	460.166B	-	400-216
SKB-566V	460.212B	-	400-245
SKB-603V	460.244B	-	400-268
SKB-609V	460.254B	-	400-274
SKB-633V	460.242B	-	400-283
SKB-634V	460.246B	-	400-284
SKB-635V	460.260B	-	400-276
SKB-652V	460.286B	-	400-297
SKB-715V	460.530C	-	400-316
SKB-717V	460.534B	-	400-305
SKB-901V	460.536B	-	400-318

Pre-Sized King Pins Competitive Interchange

- No reaming required
- Reduced installation time
- Exact fit
- Same quality, engineering, and materials as our regular king pin sets
- Made in USA
- Same part numbering system with “PS” suffix



Universal Group	Installation Driver Part Number	Unit Weight	OEM Part Number	Dayton Parts Number	Stemco/ Kaiser Part Number	Automann
SKB-538PS	SKB-012D	26.50	R200198	308-216	78.931.12	460.166X
SKB-551PS	SKB-007D	20.30	FAK4555	308-232	70.931.12	460.204X
SKB-557PS	SKB-006D	10.80	301SQ47CP1	308-231	70.533.13	460.194X
SKB-571PS	SKB-005D	15.50	588808C91	308-249	70.140.09	460.216X
SKB-598PS	SKB-007D	20.80	9HZ3111A	308-262	70.924.06	460.457X
SKB-603PS	SKB-002D	10.30	1660271C91	308-268	70.102.09	460.244X
SKB-609PS	SKB-006D	13.90	FAK4583	308-274	70.120.05	460.220X
SKB-611PS	SKB-004D	5.50	15584736	308-279	70.056.07	460.480X
SKB-633PS	SKB-023D	20.10	329433	308-283	70.180.05	460.242X
SKB-634PS	SKB-007D	20.50	1665531C91	308-284	70.961.12	460.246X
SKB-635PS	SKB-019D	22.20	1668411C91	308-276	70.120.09	460.260X
SKB-636PS	SKB-024D	24.90	1668412C91	308-277	70.141.19	460.262X
SKB-637PS	SKB-009D	11.80	E9HZ3111C	308-286	70.076.06	460.264X
SKB-652PS	SKB-007D	17.20	328342	308-297	70.122.05	460.286X
SKB-717PS	SKB-023D	19.00	328347	308-305	70.147.05	460.534X
SKB-718PS	SKB-007D	18.54	R203035	-	70.123.05	460.524X
SKB-900PS	SKB-007D	18.80	R201419	308-317	70.981.18	460.518X
SKB-901PS	SKB-002D	9.50	329182	308-318	70.103.19	460.536X
SKB-902PS	SKB-007D	19.80	R201319	308-331	77.931.18	460.469X
SKB-906PS	SKB-012D	26.50	308329	308-329	70.181.18	460.537X

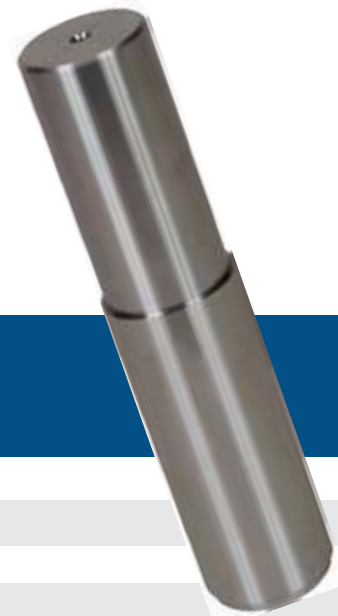
Spiral King Pin Sets Interchange & Installation Tools



Universal Group (link to website)	Description	Interchange	Comment
Installation Tools			
SKB-400T	Spiral KP T-Wrench - Thin bushing short handle	-	-
SKB-401T	Spiral KP T-Wrench - Thin bushing long handle	-	-
SKB-402T	Spiral KP T-Wrench - Thick bushing short handle	-	-
SKB-403T	Spiral KP T-Wrench - Thick bushing long handle	-	-
Spiral King Pin Sets Interchange			
SKB-538K	Spiral King Pin	460.166E, 306-KH931L,	Use with thin bushing T-wrench
SKB-566K	Spiral King Pin	K616M, 306-K616M, SKB566K	Use with thin bushing T-wrench
SKB-603K	Spiral King Pin	K102I, 306-K102I, SKB603K	Use with thin bushing T-wrench
SKB-609K	Spiral King Pin	K120E, 306-K120E, SKB609K	Use with thin bushing T-wrench
SKB-634K	Spiral King Pin	K961L, 306-K961L, SKB634K	Use with thin bushing T-wrench
SKB-635K	Spiral King Pin	K120I, 306-K120I, SKB635K	Use with thin bushing T-wrench
SKB-652K	Spiral King Pin	K122E, 306-K122E, SKB652K	Use with thin bushing T-wrench
SKB-715K	Spiral King Pin	460.530E, 306-K80R, K80R	Use with thin bushing T-wrench
SKB-717K	Spiral King Pin	K147E, 306-K147E, SKB717K	Use with thick bushing T-wrench
SKB-900K	Spiral King Pin	K981R, 306-K981R, SKB900K	Use with thin bushing T-wrench
SKB-901K	Spiral King Pin	K103S, 306-K103S, SKB901K	Use with thin bushing T-wrench

Drivers & Reamers

- New pre-sized king pin drivers for efficient installation
- Work with all Universal Group king pins
- Use with brass or dead blow hammer
- Made in USA



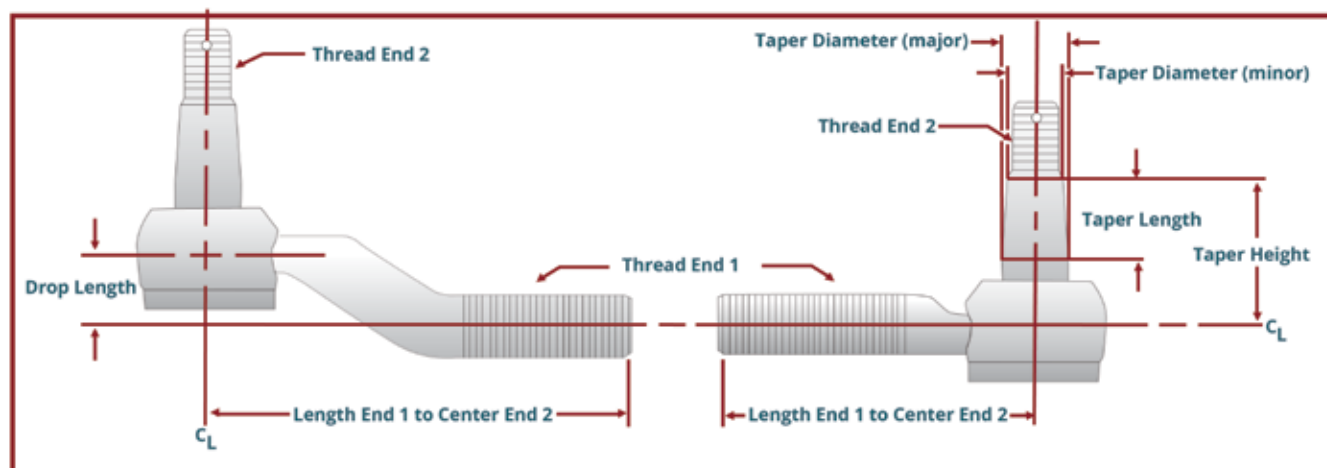
Drivers

Universal Group (link to website)	King Pin Diameter	Presized King Pin Part Number Fitment
SKB-002D	1.359"	SKB-603PS, SKB-901PS
SKB-004D	1.179"	SKB-611PS
SKB-005D	1.609"	SKB-571PS
SKB-006D	1.625"	SKB-557PS, SKB-609PS
SKB-007D	1.794"	SKB-551PS, SKB-598PS, SKB-634PS, SKB-652PS, SKB-900PS, SKB-902PS
SKB-009D	1.433"	SKB-637PS
SKB-012D	1.99"	SKB-538PS, SKB-906PS
SKB-019D	1.921"	SKB-635PS
SKB-023D	1.872"	SKB-633PS, SKB-717PS
SKB-024D	2.046"	SKB-636PS



Long Pilot Adjustable Blade Reamer

Universal Group (link to website)	Size	Adjustment Range	Overall Length
SKB-09620L	L	1-17/32" to 1-25/32"	20"
SKB-09630M	M	1 25/32" - 2 3/32"	22"



Tie Rod End Data

Universal Group (link to website)	Type	Drop Length (in.)	End 1 Thread	End 1 Thread Direction	Length {End 1 to Center of End 2} (in.)	End 2 Taper Diameter (major) (in.)	End 2 Taper Diameter (minor) (in.)	End 2 Taper Length (in.)	End 2 Taper Height (in.)	End 2 Thread	Grease Fitting Position
SES-187L	Straight	-	1-1/8in - 12	LH	4.8	1.10	0.97	1.04	2.46	7/8in - 14	Bottom
SES-187R	Straight	-	1-1/8in - 12	RH	4.8	1.10	0.97	1.04	2.46	7/8in - 14	Bottom
SES-9678L	Straight	-	1-1/8in - 12	LH	5.24	1.10	0.97	1.10	2.22	7/8in - 14	Bottom
SES-9679R	Straight	-	1-1/8in - 12	RH	5.24	1.10	0.97	1.10	2.22	7/8in - 14	Bottom
SES-423L	Straight	-	1-1/8in - 12	LH	5.44	1.10	0.97	1.08	2.39	7/8in - 14	Bottom
SES-423R	Straight	-	1-1/8in - 12	RH	5.44	1.10	0.97	1.08	2.39	7/8in - 14	Bottom
SES-3274L	Straight	-	1-1/8in - 12	LH	5.44	1.18	1.04	1.14	2.42	7/8in - 14	Bottom
SES-3275R	Straight	-	1-1/8in - 12	RH	5.44	1.18	1.04	1.14	2.42	7/8in - 14	Bottom
SES-9001L	Straight	-	1-1/8in - 12	LH	6	1.11	0.97	1.12	2.22	7/8in - 14	Bottom
SES-9001R	Straight	-	1-1/8in - 12	RH	6	1.11	0.97	1.12	2.22	7/8in - 14	Bottom
SES-3176R	Straight	-	1-1/8in - 12	RH	6	1.10	0.97	1.08	2.38	7/8in - 14	Bottom
SES-3177L	Straight	-	1-1/8in - 12	LH	6	1.10	0.97	1.08	2.38	7/8in - 14	Bottom
H-64000-001	Straight	-	1-1/8in - 12	LH	6	1.10	0.97	1.08	2.6	7/8in - 14	Bottom
H-64000-002	Straight	-	1-1/8in - 12	RH	6	1.10	0.97	1.08	2.6	7/8in - 14	Bottom

(*) Verify Thread Direction

LH: Left Hand/Counter ClockWise threads screw in

RH: Right Hand/ClockWise threads screw in

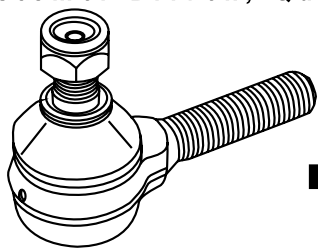
Tie Rod End Data

Universal Group (link to website)	Type	Drop Length (in.)	End 1 Thread	End 1 Thread Direction	Length {End 1 to Center of End 2} (in.)	End 2 Taper Diameter (major) (in.)	End 2 Taper Diameter (minor) (in.)	End 2 Taper Length (in.)	End 2 Taper Height (in.)	End 2 Thread	Grease Fitting Position
SES-411L	Straight	-	1-1/8in - 12	LH	9.18	1.10	0.97	1.04	2.46	7/8in - 14	Bottom
SES-411R	Straight	-	1-1/8in - 12	RH	9.18	1.10	0.97	1.04	2.46	7/8in - 14	Bottom
SES-3252R	Straight	-	1-1/4in - 12	RH	5.75	1.25	1.25		2	[stud]	Bottom
SES-431L	Straight	-	1-1/4in - 12	*RH	5.75	1.25	1.08	1.36	2.64	7/8in - 14	Bottom
SES-431R	Straight	-	1-1/4in - 12	*LH	5.75	1.25	1.08	1.36	2.64	7/8in - 14	Bottom
SES-3033L	Straight	-	1-1/4in - 12	LH	7.38	1.25	1.08	1.36	2.60	7/8in - 14	Bottom
SES-3034R	Straight	-	1-1/4in - 12	RH	7.38	1.25	1.08	1.36	2.60	7/8in - 14	Bottom
SES-2090L	Straight	-	1-1/4in - 12	LH	7.40	1.25	1.08	1.46	2.71	7/8in - 14	Bottom
SES-2091R	Straight	-	1-1/4in - 12	RH	7.40	1.25	1.08	1.46	2.71	7/8in - 14	Bottom
SES-2090LS	Straight	-	1-1/4in - 12	LH	7.40	1.25	1.08	1.46	2.71	7/8in - 14	Side
SES-2091RS	Straight	-	1-1/4in - 12	RH	7.40	1.25	1.08	1.46	2.71	7/8in - 14	Side
SES-3297R	Bent	0.70	1-1/4in - 12	RH	8.11	1.10	0.97	1.08	2.47	7/8in - 14	Bottom
SES-3298L	Bent	0.80	1-1/4in - 12	LH	8.11	1.10	0.97	1.08	2.47	7/8in - 14	Bottom
SES-2237L	Bent	1.04	1-1/4in - 12	LH	10.31	1.10	0.97	1.08	2.22	7/8in - 14	Bottom
SES-2237R	Bent	1.04	1-1/4in - 12	RH	10.31	1.10	0.97	1.08	2.22	7/8in - 14	Bottom
SES-3205R	Bent	1.08	1-3/8in - 12	RH	11.89	0.87	0.76	0.87	2.38	5/8in - 18	Bottom
SES-3204L	Bent	1.08	1-3/8in - 12	LH	11.89	0.87	0.76	0.87	2.38	5/8in - 18	Bottom
SES-6251L	Bent	1.61	1-7/8in - 12	LH	12.83	1.25	1.08	1.32	2.75	7/8in - 14	Bottom
SES-6251R	Bent	1.61	1-7/8in - 12	RH	12.83	1.25	1.08	1.32	2.75	7/8in - 14	Bottom
SES-3030R	Bent	2.32	1-7/8in - 12	RH	12.69	1.25	1.08	1.36	2.62	7/8in - 14	Bottom
SES-3031L	Bent	2.32	1-7/8in - 12	LH	12.69	1.25	1.08	1.36	2.62	7/8in - 14	Bottom

(*) Verify Thread Direction

LH: Left Hand/Counter ClockWise threads screw in

RH: Right Hand/ClockWise threads screw in

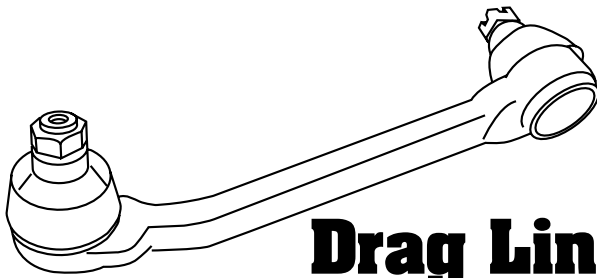


Tie Rod Ends Interchange

Universal Group Part Number	Unit Weight (lbs.)	Automann	Dayton Parts	Meritor
H-64000-001 (*)	3.4	462.ES9177L	310-471	E9962
H-64000-002 (*)	3.4	462.ES9176R	310-472	E9963
SES-187L	4.08	462.ES187L	310-121	A23144K193, A23144K93, A3144Q225, R230060, R230088
SES-187R	4.08	462.ES187R	310-122	A23144J192, A3144R226, R230061, R00089
SES-2090L	5.6	462.ES2090L	310-433	E4628
SES-2090LS	5.36	462.ES2090LS	310-397SF	R230103, A3144A547
SES-2091R	5.6	462.ES2091R	310-434	E4629
SES-2091RS	5.36	462.ES2091RS	310-398SF	R230102, A3144Z546
SES-2237L	5.5	462.ES2237L	310-591	R230137
SES-2237R	5.45	462.ES2238R	310-592	R230138
SES-3030R	12.8	462.ES3030R	310-395	E6856
SES-3031L	12.8	462.ES3031L	310-396	E6857
SES-3033L	5.6	462.ES3033L	310-397	E5471
SES-3034R	5.6	462.ES3034R	310-398	E5472
SES-3176R	4.2	462.ES3176R	310-472, 310-472E	E9963
SES-3177L	4.2	462.ES3177L	310-471, 310-471E	E9962
SES-3204L	6.7	462.ES3204L	310-437	R230558
SES-3205R	6.7	462.ES3205R	310-438	E10149
SES-3252R	5.6	462.ES3252R	310-435	E9881
SES-3274L	4.2	462.ES3274L	310-467	E10108
SES-3275R	4.2	462.ES375R	310-468	E10109
SES-3297R	5.5	462.ES3297R	310-286	E8758
SES-3298L	5.5	462.ES3298L	310-285	E8757
SES-411L	4.9	462.ES411L	310-215	E4630
SES-411R	4.9	462.ES411R	310-216	E4631
SES-423L	3.6	462.ES423L	310-222	E4614
SES-423R	3.6	462.ES423R	310-223	E4615
SES-431L (**)	4.9	462.ES431L	310-228	E4617
SES-431R (**)	4.9	462.ES431R	310-229	E4616
SES-6251L	12.1	462.ES6251L	-	-
SES-6251R	12.1	462.ES6251R	-	-
SES-9001L	4	462.ES9001L	310-456	E10138
SES-9001R	3.65	462.ES9001R	310-455	E10137
SES-9678L	3.66	462.ES9678L	310-471	A3144W1141
SES-9679R	3.66	462.ES9679R	310-472	A3144X1142

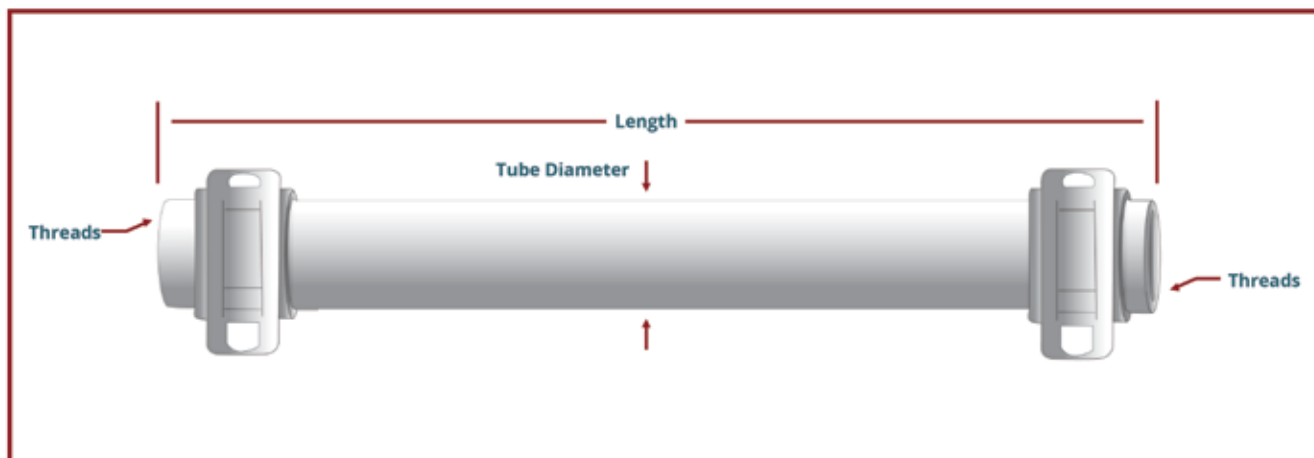
(*) Genuine Hendrickson part

(**) Verify End 1 thread direction



Drag Links Interchange

Universal Group	Unit Weight	Automann	Dayton Parts	Meritor
SDS-1179	12.20	463.DS1179	346-370	R250067
SDS-4619B	23.75	463.DS4619B	346-521	-
SDS-1186	18.45	463.DS5908B	346-377	R250088
SDS-1214	11.80	463.DS1214	346-384	R250112
SDS-1215	8.50	463.DS1215	346-385	R250113
SDS-1218	15.79	462.DS1218	346-386	R250120
SDS-1220	11.00	463.DS1220	346-388	R250122
SDS-1276	22.00	463.DS1276	346-421	-
SDS-1280	23.75	463.DS1280	346-520	-



Universal Group (link to website)	Length (in.)	Threads	Tube O.D. (in.)
SCT-1000	49	1-7/8in - 12	2.5
SCT-4900217	49	1-7/8in - 12	2.44
SCT-5800112	58	1-1/4in - 12	1.81
SCT-5906111	59.33	1-1/8in - 12	1.81
SCT-6000111	60	1-1/8in - 12	1.65
SCT-6000212	60	1-1/4in - 12	1.97
SCT-6008211	60.51	1-1/8in - 12	1.97
SCT-6009111	60.55	1-1/8in - 12	1.65
SCT-6013111	60.83	1-1/8in - 12	1.5
SCT-6108111	61.5	1-1/8in - 12	1.81
SCT-6200111	62	1-1/8in - 12	1.65
SCT-6204211	62.24	1-1/8in - 12	1.97
SCT-6204111	62.28	1-1/8in - 12	1.81
SCT-6308111	63.39	1-1/8in - 12	1.65
SCT-6310111	63.7	1-1/8in - 12	1.81

Note: end clamps are included

Cross Tubes Interchange

Universal Group Part Number	Automann	Dayton Parts	Meritor
SCT-1000 (***)	464.206	347-109	A3102U4233
SCT-4900217	464.206	347-109	A3102U4233
SCT-5800112	464.221	347-205	A3102G2841
SCT-5906111	464.204	347-318	A3102F4348, A3102K4379, A3102N3472, R250398
SCT-6000111	464.207	-	-
SCT-6000212	464.002	347-109	-
SCT-6008211	464.208	347-207	-
SCT-6009111	464.218	347-106	-
SCT-6013111	464.255	-	A3102Z3458
SCT-6108111	464.281	-	A3102H4532
SCT-6200111	464.299	-	A3102A3459
SCT-6204111	464.222	347-208	-
SCT-6204211	464.268	347-324	A3102Y3483
SCT-6308111	464.259	-	-
SCT-6310111	464.213	-	A3102J4560

(***) Genuine ZF part

Cross Tube / Tie Rod Assemblies

Universal Group - Power10 Parts			Automann	Dayton
Tie Rod End - L	Cross Tube	Tie Rod End - R	Tie Rod/Cross Tube Assembly	Tie Rod/Cross Tube Assembly
SES-423L	SCT-6013111	SES-423R	463.DS3158	-
SES-9001L	SCT-6308111	SES-9001R	463.DS4301	-
SES-9678L	SCT-6310111	SES-9679R	463.DS4602	-
SES-423L	SCT-5906111	SES-423R	463.DS5090	347-543
SES-3031L	SCT-4900217	SES-3030R	463.DS5531	347-508
SES-423L	SCT-6308111	SES-423R	463.DS5571	-
SES-423L	SCT-5906111	SES-423R	463.DS55710	347-543
SES-9001L	SCT-6000111	SES-9001R	463.DS7526	347-501
SES-423L	SCT-6008211	SES-423R	463.DS9803	347-519
SES-6251L	SCT-4900217	SES-6251R	463.DS9809	347-508
SES-423L	SCT-6310111	SES-423R	463.DS9819	-
SES-423L	SCT-6204111	SES-423R	463.DS9820	347-520
SES-9678L	SCT-6009111	SES-9679R	463.DS9822	347-504
SES-431L	SCT-5800112	SES-431R	463.DS9824	347-537, 347-515
SES-3298L	SCT-5800112	SES-3297R	463.DS9825	347-516, 347-538
SES-2090L	SCT-6000212	SES-2091R	463.DS9826	347-518
SES-423L	SCT-6204211	SES-423R	463.DS9856	347-552
SES-423L	SCT-6108111	SES-423R	463.DS9858	-
SES-2090L	SCT-5800112	SES-2091R	463.DS9859	347-517
SES-9001L	SCT-6200111	SES-9001R	463.DS9877	-
SES-423L	SCT-6200111	SES-423R	463.DS9878	-
SES-187L	SCT-6200111	SES-187R	463.DS9879	-
SES-187L	SCT-6308111	SES-187R	463.DS9880	-
SES-423L	SCT-6009111	SES-423R	463.DS9881	347-505
SES-2090LS	SCT-6000212	SES-2091RS	463.DS9882	347-518
SES-9678L	SCT-6200111	SES-9679R	463.DS9886	-
SES-423L	SCT-6308111	SES-423R	463.DS9887	-

Order Cross Tube, Tie Rod End-L and Tie Rod End-R parts to complete the assembly.



NOTES

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