

FRONT_{to}**BACK**

SAF-HOLLAND ORIGINAL PARTS



**QUICK REFERENCE GUIDE
FOR SAF (FORMER
NEWAY AND BINKLEY)
MECHANICAL SUSPENSIONS**

SAF-Holland
ORIGINAL PARTS™

COLLECTIBLE NUMBER 4

SAF MECHANICAL SUSPENSIONS

(FORMERLY NEWAY AND BINKLEY)



For nearly 70 years, SAF-HOLLAND has been a leader in the mechanical trailer suspension field. Today SAF-HOLLAND offers the widest, unmatched range of on-and off-highway models available to the industry.

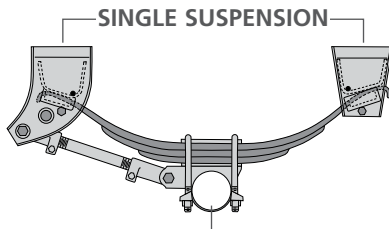
Pioneered under the Neway and Binkley flags, the legacy of these suspension models is well known and proven. From the on-highway workhorse, the UltraLite™ slider (Binkley) suspension, to the severe-duty vocational TR Series (Neway) with its robust 120,000 lb. maximum capacity, you can be sure that SAF-HOLLAND has a fixed frame or slider model to meet your trailer application requirements.

These are OEM quality suspension components that are built to last and provide years of high performance at low cost. This document makes it easy to order readily available mechanical suspensions regardless of the mounting style, from our centrally located Cincinnati, Ohio distribution center.



DURALITE FIXED FRAME SUSPENSION KITS (EQUALIZERS SOLD SEPARATELY)

SINGLE AXLE SUSPENSION

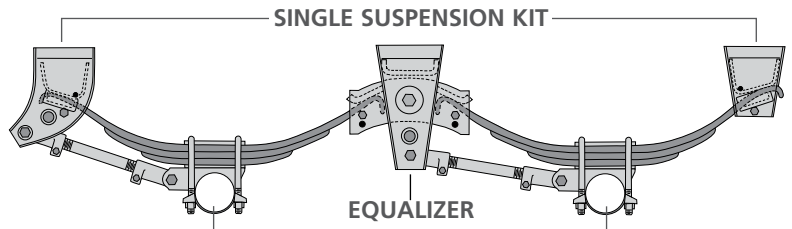


AXLE CONNECTION KIT

ORDER:

- (1) Single Suspension Kit
- (1) Axle Connection Kit

TANDEM AXLE SUSPENSION



AXLE CONNECTION KIT

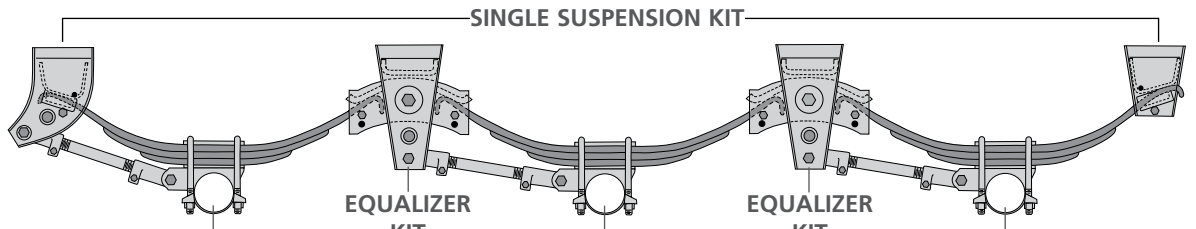
EQUALIZER
KIT

AXLE CONNECTION KIT

ORDER:

- (1) Single Suspension Kit
- (1) Equalizer Kit
- (2) Axle Connection Kits

TRI-AXLE SUSPENSION



AXLE CONNECTION KIT

EQUALIZER
KIT

AXLE CONNECTION KIT

EQUALIZER
KIT

AXLE CONNECTION KIT

ORDER:

- (1) Single Suspension Kit
- (2) Equalizer Kits
- (3) Axle Connection Kits

Order in single suspension kits, or order tandem or triaxles by simply adding your rocker kits as needed.

SUSPENSION TYPE	MOUNT STYLE	SUSPENSION KIT	SUSPENSION KIT QTY	EQUALIZER KIT	EQUALIZER KIT QTY	AXLE CONNECTION KIT	AXLE CONNECTION KIT QTY	PART NUMBER AND RIDE HEIGHT
Single	Straddle Mount	SPK0060	1	SPK0042	0	See Next Page	1	See Next Page
Tandem	Straddle Mount	SPK0060	1	SPK0042	1	See Next Page	2	See Next Page
Tri-Axle	Straddle Mount	SPK0060	1	SPK0042	2	See Next Page	3	See Next Page
Single	Under Mount	SPK0064	1	SPK0030	0	See Next Page	1	See Next Page
Tandem	Under Mount	SPK0064	1	SPK0030	1	See Next Page	2	See Next Page
Tri-Axle	Under Mount	SPK0064	1	SPK0030	2	See Next Page	3	See Next Page
Single	Flange Mount	SPK0068	1	SPK0121	0	See Next Page	1	See Next Page
Tandem	Flange Mount	SPK0068	1	SPK0121	1	See Next Page	2	See Next Page
Tri-Axle	Flange Mount	SPK0068	1	SPK0121	2	See Next Page	3	See Next Page

SUSPENSION KITS

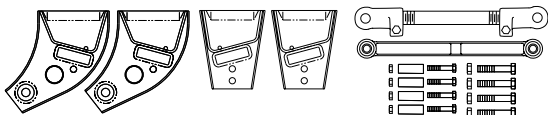
STRADDLE MOUNT
SPK0060



UNDER MOUNT
SPK0064



FLANGE MOUNT
SPK0068

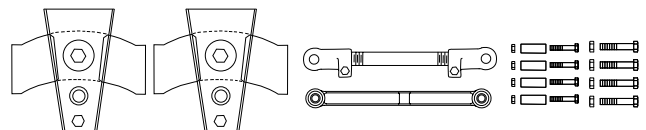


EQUALIZER KITS

STRADDLE MOUNT
SPK0042

UNDER MOUNT
SPK0030

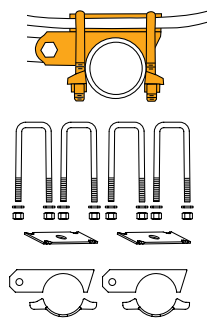
FLANGE MOUNT
SPK0121



ORIGINAL SERVICE PARTS DESIGNED TO KEEP YOU ROLLINGS

MOUNTING HEIGHT SPRING SEAT SELECTION

IMPORTANT: It is the installer's responsibility to select the correct mounting height. There should be at least 4½" of vertical tire clearance with an unloaded vehicle. In addition, clearance must be provided at the side, front, and rear of the tires to prevent tire contact during suspension movement. The mounting heights, shown below, are nominal values and may vary due to variations in the leaf springs and other components.

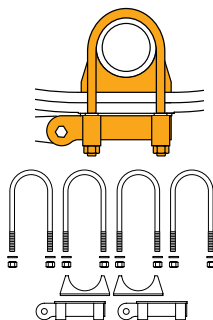


ROUND AXLE OVERSLUNG AXLE CONNECTION KITS

SPRING SEAT HEIGHT AND U-BOLT KIT (One kit required per axle)

SPRING SEAT HEIGHT		¾"	1¼"	1¾"	2¼"	2¾"	3¼"	3¾"
LEAF SPRINGS	1 & 2	SPK0080	SPK0081	SPK0082	SPK0083	SPK0084	SPK0085	SPK0086
	3 & 3HD	SPK0031	SPK0032	SPK0033	SPK0034	SPK0035	SPK0036	SPK0037
Low Arch	Ride Height	13¼"	13¼"	14¼"	14¾"	15¼"	15¾"	16¼"
Medium Arch	Ride Height	14"	14½"	15"	15½"	16"	16½"	17"
High Arch	Ride Height	15½"	16"	16½"	17"	17½"	18"	18½"
Weight		32 lbs.	35 lbs.	35 lbs.	40 lbs.	42 lbs.	44 lbs.	46 lbs.

IMPORTANT: Mounting heights should not exceed 17½" for best performance. Mounting height should provide a minimum of 4½" of tire clearance with an empty vehicle. This table applies to under mount or flange mount hangers on a multi-axle suspension. For single axle suspensions, subtract ½" from the above heights. For straddle mount hangers, subtract ½" from above heights.

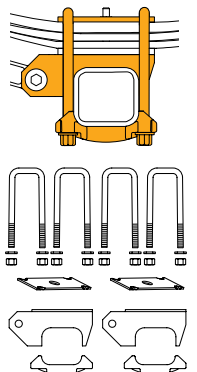


ROUND AXLE UNDERSLUNG AXLE CONNECTION KITS

SPRING SEAT HEIGHT AND U-BOLT KIT (One kit required per axle)

SPRING SEAT HEIGHT		¾"	1¼"	1¾"	2¼"
LEAF SPRINGS	2, 3 & 3HD	SPK0045	SPK0046	SPK0047	SPK0048
Low Arch	Ride Height	4½"	—	—	—
Medium Arch	Ride Height	5½"	5"	4½"	—
High Arch	Ride Height	7"	6½"	6"	5½"
Weight		33 lbs.	40 lbs.	42 lbs.	44 lbs.

IMPORTANT: Mounting heights less than 4½" are not suggested due to lack of clearance between the axle and trailer frame. Mounting height should provide a minimum of 4½" of tire clearance with an empty vehicle. Sufficient clearance should be provided for axle movement. This table applies to under mount or flange mount hangers with a multi-axle suspension. For single axle suspensions, subtract ½" from the above heights. For straddle mount hangers, subtract ½" from the above heights.



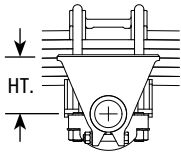
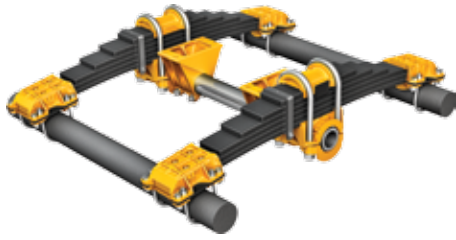
SQUARE AXLE OVERSLUNG AXLE CONNECTION KITS

SPRING SEAT HEIGHT AND U-BOLT KIT (One kit required per axle)

SPRING SEAT HEIGHT		1¼"	1¾"	2¼"	2¾"
LEAF SPRINGS	1 & 2	SPK0076	SPK0077	SPK0078	SPK0079
	3 & 3HD	SPK0072	SPK0073	SPK0074	SPK0075
Low Arch	Ride Height	14¼"	14¾"	15¼"	15¾"
Medium Arch	Ride Height	15"	15½"	16"	16½"
High Arch	Ride Height	16½"	17"	17½"	18"

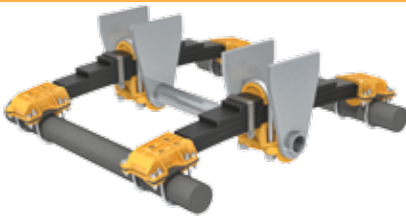
SAF HEAVY-DUTY FIXED FRAME VOCATIONAL SUSPENSIONS

TS SUSPENSIONS



CAPACITY RATING	MODEL	RIDE HT.	KITS PART NO.	WEIGHT
44,000 LB (5" round)	TS-4440-1	2.5" HT.	15032406	845 lbs.
	TS-4440-2	4.5" HT.	15032469	865 lbs.
	TS-4440-3	6.5" HT.	15032414	875 lbs.
	TS-4440-4	8.5" HT.	15032415	885 lbs.
50,000 LB (5" round)	TS-5500-1	2.5" HT.	15032421	930 lbs.
	TS-5500-2	4.5" HT.	15032422	950 lbs.
	TS-5500-3	6.5" HT.	15032425	960 lbs.
	TS-5500-4	8.5" HT.	15032427	970 lbs.
60,000 LB (5" round)	TS-5600-2	4.5" HT.	15032477	1,065 lbs.
	TS-5600-3	6.5" HT.	15032434	1,075 lbs.
	TS-5600-4	8.5" HT.	15032437	1,085 lbs.
60,000 LB (5.75" round)	TS-5600-1	2.5" HT.	15032523	1,045 lbs.
	TS-5600-2	4.5" HT.	15032518	1,065 lbs.
	TS-5600-4	8.5" HT.	15032442	1,085 lbs.

TS STRADDLE MOUNT SUSPENSIONS



CAPACITY RATING	MODEL	PART NO.	WEIGHT
50,000 LB (5" round)	TS-5500-SM 13.5" HT.	15032615	1,058 lbs.
	TS-5500-SM 15.0" HT.	15032616	1,062 lbs.

USR SUSPENSIONS



	MODEL	PART NO.	WEIGHT
44,000 LB (5" round)	USR-4440-1 2.5" HT.	15032448	890 lbs.
	USR-4440-2 4.5" HT.	15032449	910 lbs.
	USR-4440-3 6.5" HT.	15032452	920 lbs.
50,000 LB (5" round)	USR-5500-2 4.5" HT.	15032459	1,005 lbs.
	USR-5500-3 6.5" HT.	15032515	1,015 lbs.
	USR-5500-4 8.5" HT.	15032461	1,025 lbs.
60,000 LB (5" round)	USR-5600-1 2.5" HT.	15032462	1,105 lbs.
	USR-5600-2 4.5" HT.	15032464	1,125 lbs.
	USR-5600-3 6.5" HT.	15032529	1,135 lbs.
	USR-5600-4 8.5" HT.	15032539	1,145 lbs.
60,000 LB (5.75" round)	USR-5600-3 6.5" HT.	15032599	1,135 lbs.

TR SUSPENSIONS (Frame mounts not included)



	MODEL	KITS PART NO.	WEIGHT
75,000 LB	TR-8750 50" C TO C, 5" RD.	18060341	1,250 lbs.
	TR-8750 50" C TO C, 5.75" RD.	18060342	1,250 lbs.
	TR-8750 53" C TO C, 5" RD.	18060343	1,252 lbs.
	TR-8750 53" C TO C, 5.75" RD.	18060344	1,252 lbs.
90,000 LB	TR-8900A 50" C TO C, 5" RD.	18060345	1,250 lbs.
	TR-8900A 50" C TO C, 5.75" RD.	18060346	1,250 lbs.
	TR-8900A 53" C TO C, 5" RD.	18060347	1,252 lbs.
	TR-8900A 53" C TO C, 5.75" RD.	18060348	1,252 lbs.
100,000 LB	TR-4100B 50" C TO C, 5" RD.	18060349	1,712 lbs.
	TR-4100B 50" C TO C, 5.75" RD.	18060350	1,715 lbs.
120,000 LB	TR-4120 50" C TO C, 5" RD.	18060351	1,630 lbs.
	TR-4120 50" C TO C, 5.75" RD.	18060352	1,645 lbs.

SAF MECHANICAL SLIDER SUSPENSIONS



ULTRALITE™ SLIDER SUSPENSION

- Applications: Dry van and reefer
- Up to 50,000 lb capacity
- QwikRelease® pin pull release handle for easy and efficient adjustments

EXAMPLE: **SSF D 48 N 000 0 2 5 00 L**

SLIDE MODEL & FRAME HEIGHT		LOCK PINS		FRAME WIDTH		MANUAL STOP BAR		UPPER RAIL		AXLE TYPE		SPRING SEAT		U-BOLTS		NO HOP & WEDGE TRAILERS ONLY		REBOUND BOLTS	
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
SSE	Lite Slide 4 Outside Shims & 8-1/2" Frame (SLE98*)	4	4-PIN	42	42.00" Nominal	Y	Yes Included	000	No Rail	0	5" Round (See DWG SP9N02)	1	3/4"	J	8-3/8"	0	—	0	—
SSF	Lite Slide 4 Outside Shims & 10-1/2" Frame (SLE18*)	D	4-PIN Air Release	48	48.00" Nominal	N	Not Included			1	No Hop/5" Round (See DWG SP9N12)	2	1-1/4"	K	9-7/8"			L	Composite Springs (See DWG SP9N02-L)
SSG	Lite Slide 4 Outside Shims & 8-1/2" Frame (SLH98*) Hutch Rail	E	4-PIN 72" Centers							2	5" Square (See DWG SP9N22)	3	1-3/4"	L	10-38"				
SLIDE MODEL & FRAME HEIGHT		F	4-PIN 72" Centers Air Release																
NO. DESCRIPTION																			
DSE	DuraSystem 4 Outside Shims & 8-1/2" Frame (DSE98*)											5	2-3/4"	P	11-3/8"				
DSF	DuraSystem 4 Outside Shims & 10-1/2" Frame (DSE18*)											6	3-1/4"	R	11-7/8"				
DUE	DuraSystem 4 Inside Shims & 8-1/2" Frame (DUE98*)											B	1-1/2"	5	11-3/4"				
DHF	DuraSystem 4 Outside Shims & 10-1/2" Frame (DSH18*) Hutch Rail											F	3-1/2"	9	13-3/4"				

ULTRALITE™ WITH DURASYSTEM™ WARRANTY



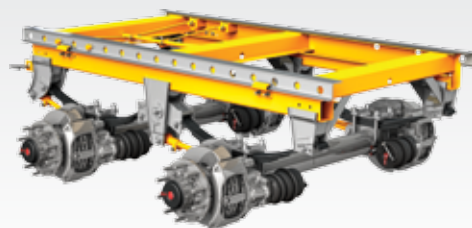
Z-FRAME CHASSIS SUSPENSION

- Applications: Container chassis and other I-beam frame constructed trailers requiring an inside slider
- Up to 50,000 lb capacity
- QwikRelease® pin pull release handle for easy and efficient adjustments

EXAMPLE: **ZF1 0 2 0 0 0 0 2 38 2**

SUSPENSION MODEL		AXLE TYPE		NO. OF AXLES		SPRING SEAT		U-BOLTS		NO HOP & WEDGE TRAILERS ONLY		REBOUND BOLTS		LOCK PINS		SPRING CENTERS		MANUAL STOPS	
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
ZF1	Z-Frame System	0	5" Round	2	Tandem Axle	1	0	G	0	0	0	0	0	2	2 Pins	36	36" Spring Ctrs	0	None
ZFC	Z-Frame System	1	No Hop / 5" Round											4	4 Pins	36	38" Spring Ctrs	1	Stops for Manual Bar Only
		2	5" Square											5	4 Pins 43.5" Ctrs	44	44" Spring Ctrs	2	Stops & Manual Bar
		3	No Hop / 5" Square															3	Special Manual Stops

Call Customer Service



ULX40 MECHANICAL SLIDER SUSPENSION SYSTEM

- Applications: Dry van and reefer
- Up to 50,000 lb capacity
- 5-3/4" axle beam – 77.5" and 71.5" axle track
- SAF drum brake tapered or parallel spindle axles or optional disc brake axles
- Contact SAF-HOLLAND Customer Service for order assistance

safholland.com

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