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Eccentric Collar Ball Bearing

Setscrew VSC Ball Bearing

Eccentric SXV Collar Ball Bearing

Take-Up Frames

Engineering

Part Number Index

Keyword Index

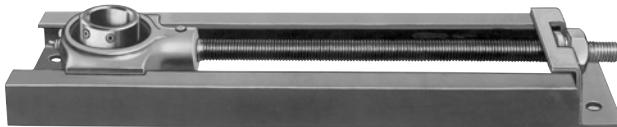


FEATURES/BENEFITS

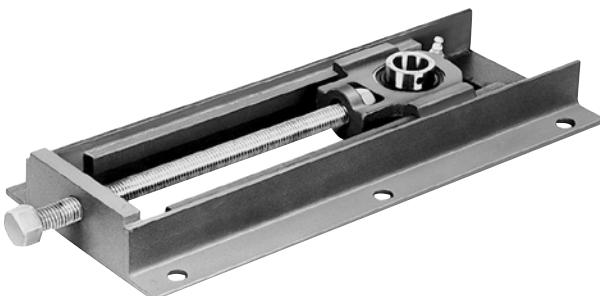
Take-Up Frames

The flexibility of the ten basic take-up frames allow for the mounting of DODGE Ball, Roller, and Sleeve Bearings to encompass the vast range of conveyor, belt, and chain take-up applications.

Narrow Slot Take-Up Frame - NS



Wide Slot Take-Up Frame - WS



Telescoping Take-Up Frame - TS



Five sizes of Narrow Slot Ball Bearing Take-Up Frames-Eleven (11) take-up frames with travels of 6 to 18 inches for:

- GT & GTM Narrow Slot Take-Up Bearings from 3/4" through 2-7/16" shaft size and metric 20mm to 60mm.
- SC, VSC & SCM Ball Bearing Take-Up Bearing from 1/2" through 2-7/16" shaft size, and metric 20 mm to 60 mm.
- SXV and SXR Ball Bearing Take-Up Bearing from 3/4" through 2-7/16" shaft size.
- DL Ball Bearing Take-Up Bearing from 3/4" through 1-7/16" shaft size.
- LT700 and LT1000 SOLIDLUBE Take-Up Bearing from 3/4" through 2-1/2" shaft size.

Six sizes of Wide Slot Ball Bearing Take-Up Frames-Thirty (30) take-up frames with travels of 1-1/2 to 30 inches for:

- GT & GTM Wide Slot Ball Bearings from 3/4" through 3" shaft size and metric 20mm to 75mm.
- SC, VSC and SCM Wide Slot Take-Up Bearings from 1/2" through 3" shaft size, and metric 20 mm to 75 mm.
- SXV and SXR Wide Slot Take-Up Bearings from 3/4" through 2-7/16" shaft size.
- DL Ball Bearing Take-Up Bearing from 1-7/16" through 1-15/16" shaft size.
- LT700 and LT1000 SOLIDLUBE Wide Slot Take-Up Bearing from 3/4" through 3" shaft size.

Telescoping Take-Up Frames

- Space saving telescoping take-up frame quickly mounts to the side of a conveyor
- Use any standard ball or roller bearing 2-bolt pillow block
- Factory lubricated adjustment screw
- Internal take-up frame screw is protected from the surrounding environment
- Bearing mounting plate is standard on all Dodge telescoping take-up frames.

Available Options

- Four bolt mounting plate (4B)
- Tapped base mounting plate (TB)
- Weld-on frame (without mounting feet) (WF)
- Stainless Steel (SS)
- Grease Fitting (GF)



FEATURES/BENEFITS

Take-Up Frames

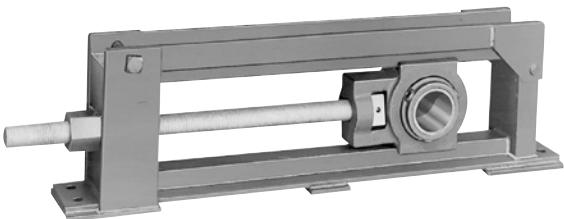
Top Angle Take-Up Frame - TP



TPHU Take-Up Frame



Center Pull Take-Up Frame - CP



Six sizes of Top Angle Take-Up Frames-Thirty-Six (36) Take-Up frames with travels of 12 to 48 inches for:

- GLT-700 & GLT-1000 Series (SOLIDLUBE Sleeve) Take-Up bearings from 1-15/16" through 3" shaft size.
- Type H (Babbitted Sleeve) Take-Up bearings from 1-15/16" through 3-15/16" shaft size.
- Type G (SC Ball Bearing) Take-Up bearings from 1-15/16" through 2-15/16" shaft size.
- Type GXR (SXR Ball Bearing) Take-Up bearings from 1-15/16" through 2-7/16" shaft size.
- Type GM (SCM Ball Bearing) Take-Up bearings from 1-11/16" through 3-1/2" shaft size.
- Type E (Tapered Roller) Take-Up bearings from 1-3/4" through 4" shaft size.
- Type K (Tapered Roller) Take-Up bearings from 1-3/4" through 3-15/16" shaft size.
- TP S2000 (Spherical Roller) Take-Up bearings from 1-7/8" through 4" shaft size.

Six sizes of TPHU Take-Up Frames-Twenty-Four (24) Take-Up frames with travels of 12 to 36 inches for:

- TPHU S-2000 (Spherical Roller) Take-Up Bearings from 1-7/8" through 5" shaft size.

Nine sizes of Center Pull Wide Slot Take-Up Frames-Forty-five (45) take-up frames with travels of 12 to 36 inches for:

- Type E tapered wide slot bearing from 1-3/8" to 3" bore size.
- Type K tapered wide slot bearing from 1-3/8" to 3" bore size.
- S-2000 spherical wide slot bearing from 1-1/8" to 5" bore size.
- Imperial spherical wide slot bearing from 1-7/16" to 4" bore size.
- U.S. Patent No. 4,676,670



FEATURES/BENEFITS

Take-Up Frames

BRONZOIL Take-Up Frame - BOTU



One size of BRONZOIL® Sleeve Bearing Take-Up-The BRONZOIL Take-Up is recommended for light-to-medium loads and for use at moderate speeds; such as package conveyors, light material handling installations, or other similar applications.

There are 6 take-ups from 1/2" through 1" shaft size with 4 inch travel.

Light Duty Take-Up Frame - LD



Six sizes of LD Protected Screw Take-Up Frames - Forty-Five (45) take-up frames with 6 to 48 inch travel for:

- SC/SCB (Ball Bearing) pillow blocks from 1/2" through 2-15/16" bore size.
- SXR/SXRB & SXV/SXVB (Ball Bearing) pillow blocks from 1/2" through 2-7/16" bore size
- DL/LB (Ball Bearing) pillow blocks from 3/4" through 2-15/16" bore size.
- SCM (Ball Bearing) pillow blocks from 1-7/16" through 3-1/2" bore size.
- DLM (Ball Bearing) pillow blocks from 1" through 3-7/16" bore size
- Babbitted (Sleeve) Solid Journal bearing from 1/2" through 2-15/16" bore size.
- SOLIDLUBE (Sleeve) LT700 and LT1000 Series pillow blocks from 3/4" through 3" bore size.
- SOLIDLUBE (Sleeve) LTB700 and LTB1000 Series pillow blocks from 3/4" through 2-1/2" bore size.
- UNISPHERE (Spherical Roller) two (2) bolt base pillow block from 1-7/16" through 3-1/2" bore sizes.
- Imperial (Spherical Roller) two (2) bolt base pillow block from 1-7/16" through 3-15/16" bore size.
- SCH, SCH-E SXRH, SXRH-E, DLH, DLH-E SCMH SCMH-E, DLMH, DLMH-E.
- GT/GTB (Ball Bearing) pillow blocks from 1/2" through 2-15/16" bore size
- GTM (Ball Bearing) pillow blocks from 1" through 3-7/16" bore size



FEATURES/BENEFITS

Take-Up Frames

Heavy Duty Take-Up Frame - HD



Eight sizes of HD Protected Screw Take-Up Frames-Forty-One (41) take-up frames with travels from 12 to 60 inches for:

- Angle Babbitt (Sleeve) pillow blocks from 1-15/16" through 5-15/16", bore size.
- Angle Bronze Bushed (Sleeve) pillow blocks from 1-15/16" through 5-15/16", bore size.
- Type E (Taper Roller) pillow blocks from 1-1/2" through 6" bore size.
- Type K (Taper Roller) pillow blocks from 1-1/2" through 3-15/16" bore size.
- K/DI (Taper Roller) pillow blocks from 1-1/2" through 5" bore size.
- Type C (Taper Roller) pillow blocks from 1-11/16" through 5" bore size.
- Special Duty (Taper Roller) pillow blocks from 2-11/16" through 6" bore size.
- SOLIDLUBE (Sleeve) MM700 and MM1000 Series pillow blocks from 3-7/16" through 5" bore size.
- SAF-XT, TAF, ISAF, etc. (Spherical and Tapered Roller) pillow blocks from 1-15/16" through 5-1/2" bore size and larger.
- USAF, SAFS spherical pillow blocks, 2-bolt and 4-bolt from 2-7/16" through 5-1/2" bore size.
- S2000 spherical pillow blocks, 2-bolt and 4-bolt from 1-7/8" through 5" bore size.
- UNISPHERE (Spherical Roller) pillow block 2-bolt base from 1-15/16" through 4" bore sizes.
- Imperial (Spherical roller) pillow block 2-bolt and 4-bolt from 1-15/16" through 4-15/16" bore size.
- For larger bore bearings use HD600 or HD650, consult DODGE.

Eccentric Collar Ball
Bearing

Setscrew VSC Ball
Bearing

Eccentric SSV Collar
Ball Bearing

Take-Up Frames

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HOW TO ORDER

Eccentric Collar Ball
Bearings

Setscrew VSC Ball
Bearing

Eccentric SXV Collar
Ball Bearing

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Take-Up Frames

There are two ways to specify DODGE Take-Up Frames. Most of the product offerings have part numbers with listings shown throughout this catalog. Use of part numbers ensures accurate order processing.

When part numbers are not shown, the product may be specified by description or part name. This method is used when ordering units that include modifications or options. To order by description, use the nomenclature key shown on page B19-7 and add any special instructions to the end of the description for options not covered by the nomenclature.

NOTE: All Take-Up Frames, except Bronzoil Take-Ups, are without the Take-Up Bearings. Thus, for a complete Take-Up; order a Take-Up Frame and Take-Up Bearing.

The HD Protected Screw Take-Up Frames

HD 200 through HD 350 Take-Up frames will accommodate pillow blocks on saddles which are slotted for two-bolt Pillow Blocks and may be ordered by part numbers. When using four-bolt Pillow Blocks; or on HD frames 400 and larger, please supply:

1. Bore size of pillow block
2. Type of block (Type E, Double Interlock, SAF-XT, etc.)
3. Whether pillow block is two-or four-bolt style
4. Frame Travel

Modifications:

For OEM special Take-Up Frames consult DODGE.

Certain modifications are available such as Stainless Steel Screw and non-standard travel lengths.



NOMENCLATURE

Take-Up Frames

STYLE	SIZE FRAME SIZE DESIGNATION	TRAVEL INCHES OF TRAVEL	PRODUCT TAKE-UP FRAME
CP	Center Pull Wide Slot Take-Up Frame		
WS	Wide Slot Ball Bearing Take-Up Frame		
WSEZ	Ultra Kleen Wide Slot Ball Bearing Take-Up Frame		
NS	Narrow Slot Ball Bearing Take-Up Frame		
LD	Light Duty Protected Screw Take-Up Frame		
TU	Take-Up		
HD	Heavy Duty Protected Screw Take-Up Frame		
TP	Top Angle Take-Up Frame		
TPHU	Top Angle Heavy Duty Universal Take-Up Frame		
TS	Telescoping Take-Up Frame		
TUA	Type A Babbitted Take-Up Bearing		
TUB	Type B Babbitted Take-Up Bearing		
BOTU	BRONZOIL Take-Up		
FR	Frame		
SSS	Stainless Steel Screw		

TU = Take-Up When Used As An Abbreviation Through This Section



SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

Setscrew VSC Ball Bearing

Eccentric SXV Collar Ball Bearing

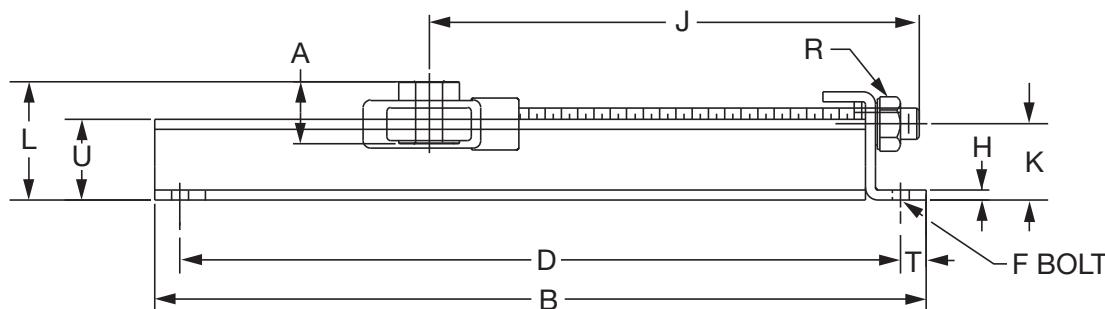
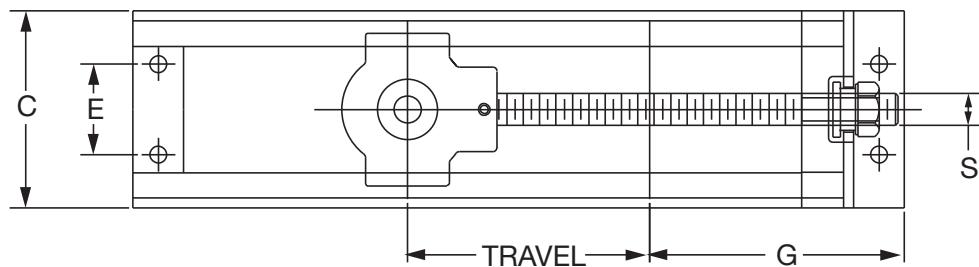
Take-Up Frames

Engineering

Part Number Index

Keyword Index

Take-Up Frames -NS NARROW SLOT BALL BEARING TAKE-UP FRAMES



Frame Description	Part No.	Wt. (Lbs.)	See page B19-10 for list of reference pages for Take-Up Bearings	A	B	C	D	E	F Base Bolt		G
									No.	Dia.	
NS-210x6-TUFR	038109	5.5		13-5/8	3-13/16	12-1/8	1-5/8	4	1/2	4-7/8	
NS-308x6-TUFR	038110	5.8		13-5/8	4-11/16	12-1/8	2-1/4	4	1/2	5-3/8	
NS-308x12-TUFR	038111	8.0		19-5/8		18-1/8					
NS-400x6-TUFR	038112	9.2		14-9/16		13-1/16					
NS-400x9-TUFR	038113	11.3		18-5/8		17-1/8					
NS-400x12-TUFR	038114	12.5		20-9/16	6-1/16	19-1/16	2-1/2	4	1/2	6	
NS-400x18-TUFR	038115	16.3		27-5/8		26-1/8					
NS-407x9-TUFR	038116	13.1		19-1/8	6-1/2	17-3/8	2-3/4	4	5/8	7-1/8	
NS-407x18-TUFR	038117	18.6		28-1/8		26-3/8					
NS-415x9-TUFR	038118	15.5		19-1/8	7	17-3/8	3	4	5/8	7-3/8	
NS-415x18-TUFR	038119	19.0		28-1/8		26-3/8					

Frame Description	H	J	K	L	R Hex	S	T	U	Channel	
NS-210x6-TUFR	1/4	11-1/32	1-13/32	See Table on Page B19-9 for "L" Dim.	1-5/16	3/4-10	3/4	1-1/2	1-1/2 x 9/16 x 3/16	
NS-308x6-TUFR	1/4	10-13/16	1-13/32		1-5/16	3/4-10	3/4	1-1/2	1-1/2 x 9/16 x 3/16	
NS-308x12-TUFR		16-13/16			1-1/2	7/8-9	3/4	2	2 x 1 x 3/16	
NS-400x6-TUFR	1/4	11-1/16	1-7/8		1-5/8	1-8	1	2	2 x 1 x 3/16	
NS-400x9-TUFR		14-1/16			1-5/8	1-8	1	2	2 x 1 x 3/16	
NS-400x12-TUFR		17-1/16			1-5/8	1-8	1	2	2 x 1 x 3/16	
NS-400x18-TUFR		23-1/16								
NS-407x9-TUFR	5/16	15-19/32	1-7/8							
NS-407x18-TUFR		24-19/32								
NS-415x9-TUFR	5/16	15-27/32	1-7/8							
NS-415x18-TUFR		24-27/32								

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SELECTION/DIMENSIONS

Take-Up Frames - Narrow Slot Frame

L DIMENSION

Series	Shaft Size	Take Up Frame No. Ref.	L					
			SC	VSC	SXR	SXV	DL	GT
204	1/2							
	5/8	NS-210	2.11	2.11	2.43	2.30	2.16	2.40
	3/4							
205	7/8							
	15/16	NS-210	2.16	2.16	2.44	2.30	2.26	2.36
	1							
206	1-1/16							
	1-1/8							
	1-3/16	NS-308	2.32	2.32	2.57	2.43	2.36	2.97
	1-1/4							
207	1-1/4							
	1-5/16	NS-308	2.42	2.42	2.66	2.54	2.46	2.46
	1-3/8							
	1-7/16							
208	1-1/2							
	1-5/8	NS-400	3.03	3.03	3.21	3.12	3.10	3.07
209	1-5/8							
	1-11/16	NS-400	3.03	3.03	3.22	3.10	3.10	3.07
	1-3/4							
210	1-15/16							
	2	NS-400	3.03	3.03	3.34	3.10	3.10	3.07
211	2							
	2-3/16	NS-407	3.19	3.19	3.55	3.13	3.21	3.10
	2-1/4							
212	2-1/4							
	2-7/16	NS-415	3.26	N/A	3.68	N/A	3.32	3.23

Series	Shaft Size	Take Up Frame No. Ref.	L		
			SCM	DLM	GTM
206	1	NS-308	2.32	2.36	2.47
207	1-3/16	NS-308	2.42	2.46	2.46
208	1-1/4				
208	1-7/16	NS-400	3.03	3.10	3.07
209	1-1/2				
209	1-5/8	NS-400	3.03	3.10	3.07
210	1-11/16				
210	1-3/4	NS-400	3.03	3.10	3.07
211	1-15/16				
211	2	NS-407	3.19	3.21	3.10
212	2-3/16				
212	2-1/4	NS-415	3.26	3.32	3.23



SELECTION/DIMENSIONS

Narrow Slot (NS) Take-Up Frame Bearings

NORMAL DUTY

SETSCREW - SC, VSC

D-LOK - DL

ECCENTRIC LOCK - SXR, SXV

GRIP TIGHT - GT

Series	Shaft Size	Frame Size
204	1/2	NS-210
	5/8	
	3/4	
	20mm	
205	7/8	NS-210
	15/16	
	1	
	25mm	
206	1-1/16	NS-308
	1-1/8	
	1-3/16	
	1-1/4	
	30mm	
207	1-1/4	NS-308
	1-5/16	
	1-3/8	
	1-7/16	
	35mm	
208	1-1/2	NS-400
	1-5/8	
	40mm	
209	1-5/8	NS-400
	1-11/16	
	1-3/4	
	45mm	
210	1-15/16	NS-400
	2	
	50mm	
211	2	NS-407
	2-3/16	
	2-1/4	
	55mm	
212	2-1/4	NS-415
	2-7/16	
	60mm	

- Narrow Slot Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- Ultra Kleen (SC) - B1-32 to B1-33
- E-Z Kleen (SC) - B2-38
- Extreme Duty (SC) - B3-25 to B3-29
- Setscrew (SC, SCM & VSC) - B4-70 to B4-73
- Grip Tight (GT and GTM) - B5-50 to B5-53
- D-LOK (DL and DLM) - B6-42 to B6-45
- Eccentric Lock (SXR and SXV) - B7-32 to B7-33
- See B19-8 For Narrow Slot Take-Up Frame Travel Options And Part Numbers

MEDIUM DUTY

SETSCREW - SCM

D-LOK - DLM

GRIP TIGHT - GTM

Series	Shaft Size	Frame Size
206	1 25mm	NS-308
207	1-3/16 1-1/4 30mm	NS-308
208	1-7/16 35mm	NS-400
209	1-1/2 40mm	NS-400
210	1-11/16 1-3/4 45mm	NS-400
211	1-15/16 2 50mm	NS-407
212	2-3/16 2-1/4 55mm	NS-415

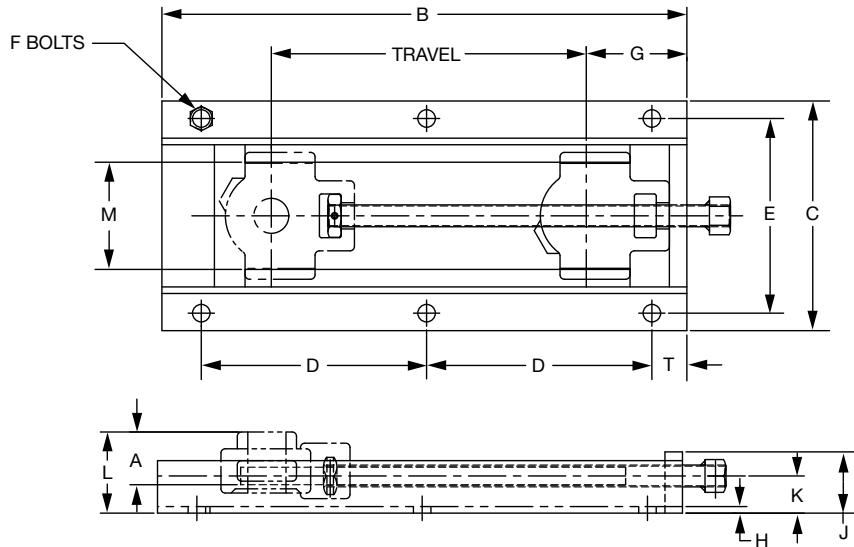
SELECTION/DIMENSIONS

DODGE



Take-Up Frames - WS

WIDE SLOT BALL BEARING TAKE-UP FRAMES



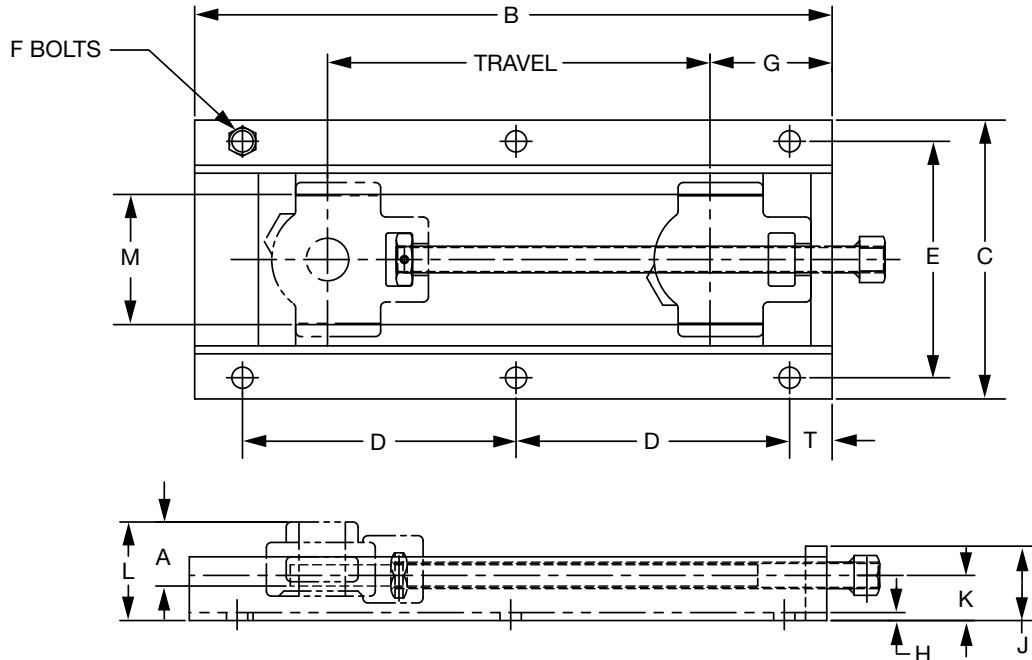
Frame Description	Part No.	Wt.	A	B	C	D	E	F	G	H	J	K	M	S Screw Dia.	T
							No.	Dia.							
WS-300X1-1/2-TUFR	038200	4.8					5-3/8	4							
WS-300X3-TUFR	038201	5.5					6-7/8	4							
WS-300X6-TUFR	038202	7	See chart on page B19-14 for list of reference pages for Take-Up Bearings	12	6-9/16	4-15/16	5-9/16	6	7/16	2-15/16	3/16	1-3/4	1-1/16	3-1/16	5/8 1
WS-300X9-TUFR	038203	8.5		15		6-7/16		6							
WS-300X12-TUFR	038204	10		18		7-15/16		6							
WS-308X3-TUFR	038205	7.5		9-1/8		6-7/16		4							
WS-308X6-TUFR	038206	9		12-1/8		9-7/16		4							
WS-308X9-TUFR	038207	10.5		15-1/8	7-1/16	6-7/32	6-1/16	6	7/16	3-11/16	3/16	2	1-1/4	3-9/16	3/4 1
WS-308X12-TUFR	038208	12		18-1/8		7-23/32		6							
WS-308X18-TUFR	038209	15		24-1/8		10-23/32		6							
WS-400X3-TUFR	038210	11.5		10-3/4		8-1/2		4							
WS-400X6-TUFR	038211	14		13-3/4		11-1/2		4							
WS-400X9-TUFR	038212	16.5	See Table on Page B19-13 for "L" Dim.	16-3/4	8-13/16	7-1/4	7-5/16	6	1/2	4-5/16	3/16	2-1/4	1-7/16	4-1/16	1 1-1/8
WS-400X12-TUFR	038213	19		19-3/4		8-3/4		6							
WS-400X18-TUFR	038214	24		25-3/4		11-3/4		6							
WS-502X6-TUFR	038215	20		14-3/4		12-1/2		4							
WS-502X9-TUFR	038216	23.5		17-3/4		15-1/2		4							
WS-502X12-TUFR	038217	27		20-3/4		9-1/4		6							
WS-502X15-TUFR	038218	30.5		23-3/4		10-3/4		6	9/16	5-11/16	3/16	2-1/2	1-1/2	5-3/16	1-1/4 1-1/8
WS-502X18-TUFR	038219	34		26-3/4		12-1/4		6							
WS-502X24-TUFR	038220	41		32-3/4		15-1/4		6							
WS-515X9-TUFR	038221	36		20-7/8		17-1/2		4							
WS-515X12-TUFR	038222	41		23-7/8		10-1/4		6							
WS-515X18-TUFR	038223	51		29-7/8	12	13-1/4	10-1/4	6	5/8	6-1/2	1/4	3	2	6	1-1/2 2-1/2
WS-515X24-TUFR	038224	61		35-7/8		16-1/4		6							
WS-515X30-TUFR	038225	71		41-7/8		19-1/4		6							
WS-608X12-TUFR	038226	41		23-7/8		10-1/4		6							
WS-608X18-TUFR	038227	51		29-7/8	12-9/16	13-1/4	10-13/16	6	5/8	6-1/2	1/4	3	2	6-9/16	1-1/2 2-1/2
WS-608X24-TUFR	038228	61		35-7/8		16-1/4		6							
WS-608X30-TUFR	038229	71		41-7/8		19-1/4		6							



SELECTION/DIMENSIONS

Take-Up Frames - WS

ULTRA KLEEN (Stainless Steel) WIDE SLOT BALL BEARING TAKE-UP FRAME



Frame Description	Part No.	Wt.	A	B	C	D	E	F		G	H	J	K	M	S Screw Dia.	T
								No.	Dia.							
WSEZ-300X3-TUFR-SSS	038070	6	See page B2-66 to B2-71 for E-Z KLEEN	9	12	6-9/16	6-7/8	4								
WSEZ-300X6-TUFR-SSS	038071	7.9		15	12	4-15/16	4-15/16	6	1/2	2-15/16	3/16	1-3/4	1-1/16	3-1/16	5/8	1
WSEZ-300X9-TUFR-SSS	038072	9.8		18	6-7/16	6-7/16	6-7/16	6								
WSEZ-300X12-TUFR-SSS	038073	11.7			7-15/16			6								
WSEZ-308X3-TUFR-SSS	038074	7.3	9-1/8				6-7/16	4								
WSEZ-308X6-TUFR-SSS	038075	9.4	12-1/8				9-7/16	4								
WSEZ-308X9-TUFR-SSS	038076	11.4	15-1/8				6-7/32	6	1/2	3-11/16	3/16	2	1-1/4	3-9/16	3/4	1
WSEZ-308X12-TUFR-SSS	038077	13.4	18-1/8				7-23/32	6								
WSEZ-308X18-TUFR-SSS	038078	17.4	24-1/8				10-23/32	6								
WSEZ-400X3-TUFR	038060	11.5	See Table on Page B19-13 for "L" Dim.	10-3/4			8-1/2	4								
WSEZ-400X6-TUFR	038061	14		13-3/4			11-1/2	4								
WSEZ-400X9-TUFR	038062	16.5		16-3/4	8-13/16		7-1/4	6	1/2	4-5/16	3/16	2-1/4	1-7/16	4-1/16	1	1-1/8
WSEZ-400X12-TUFR	038063	19		19-3/4			8-3/4	6								
WSEZ-400X18-TUFR	038064	24		25-3/4			11-3/4	6								

See table on page B19-13 for "L" dimension.



SELECTION/DIMENSIONS

Take-Up Frames - Wide Slot Frame

L DIMENSION

Series	Shaft Size	Take Up Frame No. Ref.	L				
			VSC SC	SXR	SXV	DL	GT
204	1/2						
	5/8						
	3/4	WS-300	1.79	2.11	1.98	1.84	2.08
205	7/8						
	15/16						
	1	WS-300	1.84	2.12	1.98	1.94	2.04
206	1-1/16						
	1-1/8						
	1-3/16						
	1-1/4	WS-308	2.19	2.44	2.30	2.23	2.34
207	1-1/4						
	1-5/16						
	1-3/8						
	1-7/16	WS-308	2.29	2.53	2.41	2.33	2.33
208	1-1/2						
	1-5/8	WS-400	2.63	2.81	2.72	2.70	2.67
209	1-5/8						
	1-11/16						
	1-3/4	WS-400	2.63	2.786	2.70	2.70	3.67
210	1-15/16						
	2	WS-400	2.63	2.94	2.70	2.70	2.67
211	2						
	2-3/16						
212	2-1/4						
	2-7/16	WS-502	2.91	3.34	N/A	2.98	2.89
214	2-1/2						
	2-11/16						
215	2-15/16	WS-515	3.47	4.16	N/A	3.58	3.60

Series	Shaft Size	Take Up Frame No. Ref.	L		
			SCM	DLM	GTM
206	1	WS-308	2.19	2.23	2.34
207	1-3/16				
	1-1/4	WS-308	2.29	2.33	2.33
208	1-7/16	WS-400	2.63	2.70	2.67
209	1-1/2	WS-400	2.63	2.70	2.67
210	1-11/16				
	1-3/4	WS-400	2.63	2.70	2.67
211	1-15/16				
	2	WS-502	2.85	2.87	2.76
212	2-3/16				
	2-1/4	WS-502	2.91	2.98	2.89
214	2-7/16				
	2-1/2	WS-515	3.48	3.54	3.55
215	2-11/16	WS-515	3.47	3.58	3.60
216	2-15/16				
	3	WS-608	3.50	3.74	3.81

FEATURES/BENEFITS PAGE B19-2	HOW TO ORDER/NOMENCLATURE PAGE B19-7	SELECTION/DIMENSIONS PAGE B19-8
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SELECTION/DIMENSIONS

Wide Slot (WS) Take-Up Frame Bearings

NORMAL DUTY

SETSCREW - SC, VSC

D-LOK - DL

ECCENTRIC LOCK - SXR, SXV

GRIP TIGHT - GT

Series	Shaft Size	Frame Size
204	1/2	WS-300
	5/8	
	3/4	
	20mm	
205	7/8	WS-300
	15/16	
	1	
	25mm	
206	1-1/16	WS-308
	1-1/8	
	1-3/16	
	1-1/4	
	30mm	
207	1-1/4	WS-308
	1-5/16	
	1-3/8	
	1-7/16	
	35mm	
208	1-1/2	WS-400
	1-5/8	
	40mm	
209	1-5/8	WS-400
	1-11/16	
	1-3/4	
	45mm	
210	1-15/16	WS-400
	2	
	50mm	
211	2	WS-502
	2-3/16	
	2-1/4	
	55mm	
212	2-7/16	WS-502
	2-1/2	
214	2-11/16	WS-515
	70mm	
215	2-15/16	WS-515
	3	
	75mm	
216		WS-608

- Wide Slot Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- Ultra Kleen (SC) - B1-28 to B1-31
- EZ-Kleen Polymer Housing - B2-66 to B2-71 and B2-39
- Extreme Duty (SC) - B3-30 to B3-37
- Setscrew (SC, SCM & VSC) - B4-74 to B4-81
- Grip Tight (GT & GTM) - B5-54 to B5-59
- D-LOK (DL and DLM) - B6-46 to B6-49
- Eccentric Lock (SXR and SXV) - B7-34 to B7-35
- See B19-11 For Wide Slot Take-Up Frame Travel Options And Part Numbers

MEDIUM DUTY

SETSCREW - SCM, VSC

D-LOK - DLM

GRIP TIGHT - GTM

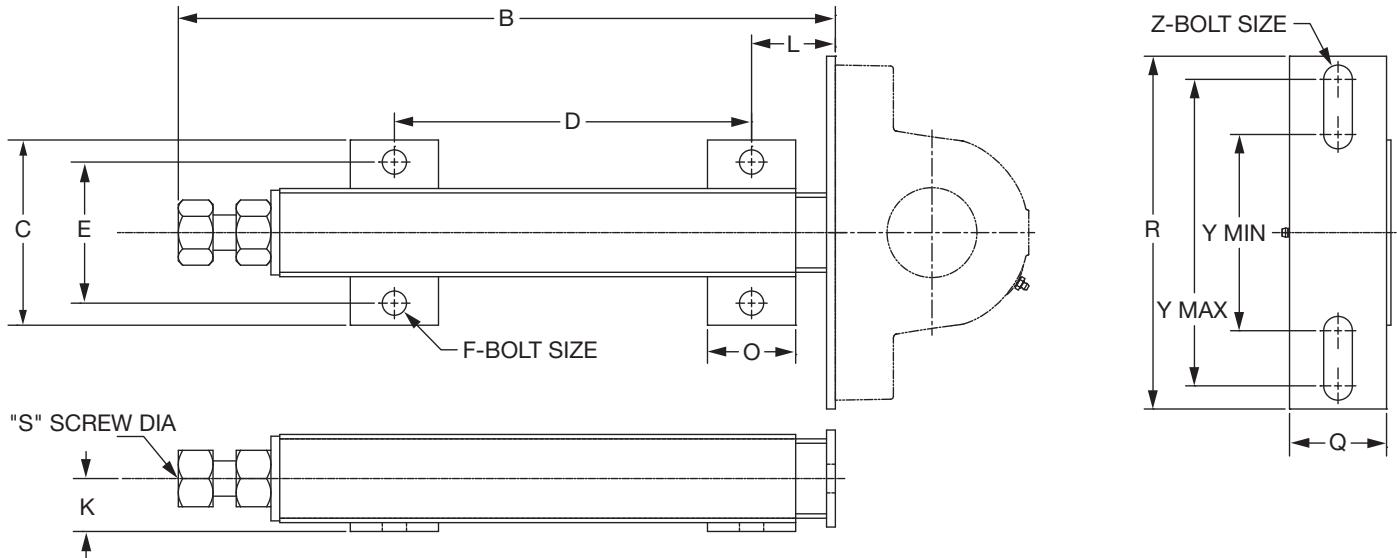
Series	Shaft Size	Frame Size
206	1	WS-308
	25mm	
207	1-3/16	WS-308
	1-1/4	
208	30mm	WS-400
	1-7/16	
209	35mm	WS-400
	1-1/2	
210	40mm	WS-400
	1-11/16	
211	45mm	WS-502
	1-3/4	
212	50mm	WS-502
	1-15/16	
214	55mm	WS-515
	2	
215	55mm	WS-515
	2-3/16	
216	60mm	WS-608
	2-1/4	

SELECTION/DIMENSIONS

DODGE



Telescoping (TS) Take-Up Frame



Frame Size	Travel	Part No.	Wt. (lbs.)	B	C	D		E	F Bolt Dia.	K	L	O	Q	R	S Scr. Dia.	Y		Z Bolt Dia.
						Min.	Max.									Min.	Max.	
TS-100	3	089782	3	7.94	3.69	3.56	-	2.63	1/2	0.88	1.50	1.50	1.50	6.38	5/8	2.94	5.44	1/2
TS-100	6	089783	4	11.44	3.69	7.06	-	2.63	1/2	0.88	1.50	1.50	1.50	6.38	5/8	2.94	5.44	1/2
TS-100	9	089784	5	15.44	3.69	11.06	-	2.63	1/2	0.88	1.50	1.50	1.50	6.38	5/8	2.94	5.44	1/2
TS-250	3	089785	5	9.75	4.00	4.38	-	3.00	1/2	1.13	1.88	2.00	2.00	7.00	3/4	3.81	5.69	5/8
TS-250	6	089786	7	12.75	4.00	7.38	-	3.00	1/2	1.13	1.88	2.00	2.00	7.00	3/4	3.81	5.69	5/8
TS-250	9	089787	8	15.75	4.00	10.38	-	3.00	1/2	1.13	1.88	2.00	2.00	7.00	3/4	3.81	5.69	5/8
TS-250	12	089788	9	18.75	4.00	13.38	-	3.00	1/2	1.13	1.88	2.00	2.00	7.00	3/4	3.81	5.69	5/8
TS-300	6	089789	16	15.63	5.25	6.13	-	4.00	5/8	1.50	2.38	2.50	2.75	10.00	1	5.56	8.69	3/4
TS-300	9	089790	18	18.63	5.25	10.13	-	4.00	5/8	1.50	2.38	2.50	2.75	10.00	1	5.56	8.69	3/4
TS-300	12	089791	21	21.63	5.25	14.13	-	4.00	5/8	1.50	2.38	2.50	2.75	10.00	1	5.56	8.69	3/4
TS-300	18	089792	26	27.63	5.25	21.13	-	4.00	5/8	1.50	2.38	2.50	2.75	10.00	1	5.56	8.69	3/4
TS-350	9	089793	24	19.56	5.75	12.63	13.00	4.50	5/8	1.75	2.50	2.50	3.00	12.00	1	5.56	9.75	3/4
TS-350	12	089794	28	22.56	5.75	15.63	16.00	4.50	5/8	1.75	2.50	2.50	3.00	12.00	1	5.56	9.75	3/4
TS-350	18	089795	35	28.56	5.75	21.63	22.00	4.50	5/8	1.75	2.50	2.50	3.00	12.00	1	5.56	9.75	3/4
TS-350	24	089796	43	34.56	5.75	27.63	28.00	4.50	5/8	1.75	2.50	2.50	3.00	12.00	1	5.56	9.75	3/4
TS-400	12	089797	50	29.75	7.50	20.00	-	5.50	3/4	2.13	3.50	3.50	3.50	14.00	1-1/2	8.50	11.75	7/8
TS-400	18	089798	60	35.75	7.50	26.00	-	5.50	3/4	2.13	3.50	3.50	3.50	14.00	1-1/2	8.50	11.75	7/8
TS-400	24	089799	70	41.75	7.50	32.00	-	5.50	3/4	2.13	3.50	3.50	3.50	14.00	1-1/2	8.50	11.75	7/8
TS-400	36	089800	90	53.75	7.50	44.00	-	5.50	3/4	2.13	3.50	3.50	3.50	14.00	1-1/2	8.50	11.75	7/8
TS-400	48	089801	110	65.75	7.50	56.00	-	5.50	3/4	2.13	3.50	3.50	3.50	14.00	1-1/2	8.50	11.75	7/8
TS-500	18	089802	210	43.88	11.50	31.00	-	9.00	1	3.50	3.88	3.88	7.00	20.00	2	Drilled to Order	Drilled to Order	Drilled to Order
TS-500	24	089803	240	49.88	11.50	37.00	-	9.00	1	3.50	3.88	3.88	7.00	20.00	2	Drilled to Order	Drilled to Order	Drilled to Order
TS-500	36	089804	290	61.88	11.50	49.00	-	9.00	1	3.50	3.88	3.88	7.00	20.00	2	Drilled to Order	Drilled to Order	Drilled to Order

Dimensions in inches



SELECTION/DIMENSIONS

Telescoping (TS) Take-Up Frame Bearings

NORMAL DUTY

SETSCREW - SC, VSC

D-LOK - DL

ECCENTRIC LOCK - SXR, SXV

GRIP TIGHT - GT

Series	Shaft Size	Frame Size
204	1/2	TS-100
	5/8	
	3/4	
	20mm	
205	7/8	TS-100
	15/16	
	1	
	25mm	
206	1-1/16	TS-250
	1-1/8	
	1-3/16	
	1-1/4	
	30mm	
207	1-1/4	TS-250
	1-5/16	
	1-3/8	
	1-7/16	
	35mm	
208	1-1/2	TS-250
	1-5/8	
	40mm	
209	1-5/8	TS-250
	1-11/16	
	1-3/4	
	45mm	
210	1-15/16	TS-300
	2	
	50mm	
211	2	TS-300
	2-3/16	
	2-1/4	
	55mm	
212	2-1/4	TS-300
	2-7/16	
	60mm	
214	2-1/2	TS-300
	2-11/16	
	70mm	
215	2-15/16	TS-350 or TS-400
	75mm	

- Telescoping Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- EZ-KLEEN Polymer Housing - B2-66 to B2-71
- Grip Tight (GT & GTM) - B5-54 to B5-59
- Setscrew (SC, SCM & VSC) - B8-20 to B8-23
- Eccentric Lock (SXR and SXV) - B7-34 to B7-35
- D-LOK (DL and DLM) - B6-46 to B6-49
- See B19-15 For Telescoping (TS) Take-Up Frame Travel Options And Part Numbers

MEDIUM DUTY

SETSCREW - SCM, VSC

D-LOK - DLM

GRIP TIGHT - GTM

Series	Shaft Size	Frame Size
206	1	TS-250
	25mm	
207	1-3/16	TS-250
	1-1/4	
208	30mm	
	1-7/16	TS-250
209	35mm	
	1-1/2	TS-250
210	40mm	
	1-11/16	TS-300
211	1-3/4	
	45mm	TS-300
212	50mm	
	2-3/16	TS-300
214	55mm	
	2-1/4	TS-300
215	55mm	
	2-7/16	TS-350
216	60mm	
	2-11/16	
217	70mm	TS-350 or TS-400
	75mm	



SELECTION/DIMENSIONS

Telescoping (TS) Take-Up Frame Bearings

TAPERED ROLLER BEARINGS

Type E		Type K Double Interlock		TAF	
Shaft Size	Frame Size	Shaft Size	Frame Size	Shaft Size	Frame Size
1-3/16 to 1-1/4	TS-250	1-1/2 to 2-3/16	TS-300	2-7/16 to 2-1/2	TS-400
1-3/8 to 2-3/16	TS-300	2-1/4 to 2-1/2	TS-350	2-15/16 to 3	TS-400
1-1/2 to 2-3/16	TS-300	2-11/16 to 3	TS-400	3-7/16 to 4	TS-500
2-1/4 to 2-1/2	TS-350	3-3/16 to 3-1/2	TS-500	4-7/16 to 5	TS-500
2-11/16 to 3	TS-400	3-15/16 to 4-1/2	TS-500		
3-3/16 to 3-1/2	TS-400	4-15/16 to 5	TS-500		
3-15/16 to 5	TS-500				

- Type K - B10-40
- Type E - B10-22
- DOUBLE INTERLOCK - B10-50
- TAF - B10-58
- See B19-15 For Telescoping (TS) Take-Up Frame Travel Options and Part Numbers



SELECTION/DIMENSIONS

Telescoping (TS) Take-Up Frame Bearings

UNITIZED SPHERICAL ROLLER BEARINGS

Imperial - IP		S-2000		UNISPHERE II	
Shaft Size	Frame Size	Shaft Size	Frame Size	Shaft Size	Frame Size
1-1/8 to 1-1/2	TS-250	1-3/8 1-7/16 1-1/2	TS-250	1-7/16 1-1/2 1-11/16 1-3/4	
1-5/8 to 2-1/4	TS-300	1-11/16 1-3/4 1-15/16 2 2-3/16	TS-300	1-15/16 2 2-3/16 2-7/16 2-1/2	TS-300
2-3/8 to 2-1/2	TS-350	2-7/16	TS-350	2-11/16 2-3/4 2-15/16 3	TS-350
2-11/16 2-3/4 2-15/16 3	TS-350	2-11/16 2-15/16 3	TS-350	2-11/16 2-3/4 2-15/16 3	TS-400
3-3/16 3-1/4 3-7/16 3-1/2	TS-400	3-7/16 3-15/16 4-7/16 4-15/16	TS-400 TS-500 TS-500	3-7/16 3-1/2	TS-400 or TS-500
3-11/16 3-15/16 4 4-7/16 4-1/2	TS-500				
4-15/16 5	TS-500				

IMPERIAL & S2000 With Type E Dimensions

Shaft Size	Frame Size
1-3/16 to 1-1/4	TS-250
1-3/8 to 2-3/16	TS-300
2-1/4 to 2-1/2	TS-350
2-11/16 to 3	TS-400
3-3/16 to 3-1/2	TS-400
3-15/16 to 5	TS-500

- S-2000 - B12-14 to B12-25
- IMPERIAL - B14-30 to B14-37
- UNISPHERE - B13-12 to B3-13
- See B19-15 For Telescoping (TS) Take-Up Frame Travel Options and Part Numbers



SELECTION/DIMENSIONS

Telescoping (TS) Take-Up Frame Bearings

UNIFIED SPHERICAL ROLLER BEARINGS

USAF-500

SAF-XT

SAFS

ISAF

Shaft Size	Frame Size
1-15/16	TS-300 or TS-350
2-3/16	TS-400
2-7/16 to 3	TS-400
3-3/16	TS-500
3-7/16 to 3-1/2	TS-500
3-15/16 to 4-1/2	TS-500
4-15/16	TS-500

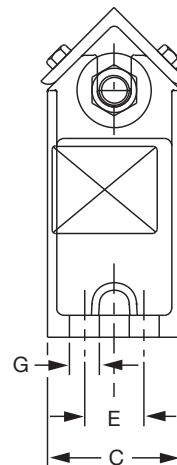
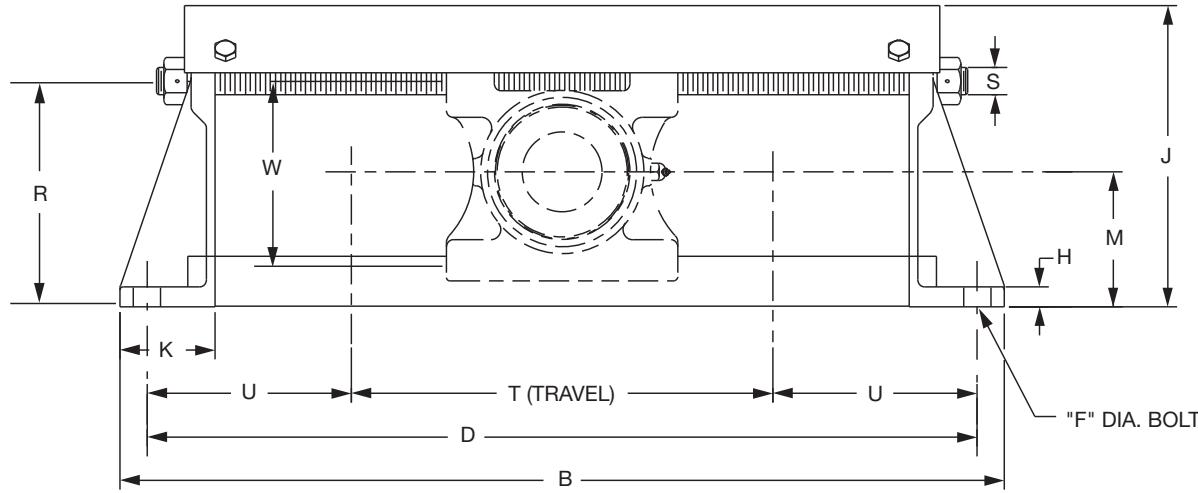
- IMPERIAL - B14-52 to B14-57
- USAF-500 - B15-78 to B15-81
- SAF-XT - B15-64 to B15-74
- SAFS - B15-61 to B15-63
- See B19-15 For Telescoping (TS) Take-Up Frame Travel Options and Part Numbers



SELECTION/DIMENSIONS

Take-Up Frames - TP

TOP ANGLE PROTECTED SCREW TAKE-UP FRAMES



SELECTION/DIMENSIONS



Take-Up Frames - TP

TOP ANGLE PROTECTED SCREW TAKE-UP FRAMES

Frame Size	Nominal Travel	Part No.	Wt.	B	C	D	E	F Bolt Dia.	G	H
TP10	12	036350	32	28-1/2	3-1/2	26-1/2	-	5/8	1	3/4
	18	036351	36	34-1/2		32-1/2				
	24	036352	41	40-1/2		38-1/2				
TP20	12	036353	34	29-1/2	3-1/2	27-1/2	-	5/8	1	3/4
	18	036354	39	35-1/2		33-1/2				
	24	036355	43	41-1/2		39-1/2				
TP30	12	036356	47	30-1/2	4	28-1/2	-	3/4	1-5/16	3/4
	18	036357	54	36-1/2		34-1/2				
	24	036358	60	42-1/2		40-1/2				
TP40	12	036359	52	32-1/2	4-1/2	30-1/2	2	5/8	1	3/4
	18	036360	60	38-1/2		36-1/2				
	24	036361	66	44-1/2		42-1/2				
TP50	12	036362	63	34-1/2	4-1/2	32	2	3/4	1	3/4
	18	036363	70	40-1/2		38				
	24	036364	79	46-1/2		44				
TP60	12	036365	84	38-1/2	5-1/2	36	2-1/2	3/4	1	3/4
	18	036366	92	44-1/2		42				
	24	036367	102	50-1/2		48				

Frame Size	Nominal Travel	Part No.	J	K	M	R	S Screw Dia.	T	U	W
TP10	12	036350	8-1/2	3	3-15/16	6-11/32	3/4	14-1/2	6	5-5/32
	18	036351		3				20-1/2		
	24	036352		3				26-1/2		
TP20	12	036353	9-1/8	3	4-3/16	6-31/32	3/4	15	6-1/4	5-25/32
	18	036354		3				21		
	24	036355		3				27		
TP30	12	036356	10-1/8	3-1/2	4-3/8	7-3/8	1	14-1/2	7	6-3/16
	18	036357		3-1/2				20-1/2		
	24	036358		3-1/2				26-1/2		
TP40	12	036359	11-1/16	3-1/2	4-15/16	8-3/8	1	15-1/2	7-1/2	7-3/16
	18	036360		3-1/2				21-1/2		
	24	036361		3-1/2				27-1/2		
TP50	12	036362	12-1/2	4	5-7/16	9-13/32	1-1/4	15	8-1/2	8-7/32
	18	036363		4				21		
	24	036364		4				27		
TP60	12	036365	14-1/4	4-1/2	7	11-11/32	1-1/4	16-1/2	9-5/8	8-29/32
	18	036366		4-1/2				22-1/2		
	24	036367		4-1/2				28-1/2		



SELECTION/DIMENSIONS

Top Angle (TP) Take-Up Frame Bearings

BALL BEARINGS

NORMAL DUTY

SETSCREW - G

D-LOK - DL

ECCENTRIC LOCK - GXR

GRIP TIGHT-GT

Series	Shaft Size	Frame Size
210	1-15/16	TP-10
	2	
211	2-3/16	TP-20
	2-1/4	
212	2-7/16	TP-30
	2-15/16	
215	2-15/16	TP-40

- Top Angle Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- Grip Tight (GT & GTM) - B5-60 to B5-61
- Setscrew (G, & GM) - B4-80 to B4-81
- Eccentric Lock (GXR) - B7-36
- D-LOK (DL and DLM) - B6-50 to B6-51
- See B19-21 For Top Angle Take-Up Frame Travel Options And Part Numbers.

MEDIUM DUTY

SETSCREW - GM

D-LOK - DLM

GRIP TIGHT - GTM

Series	Shaft Size	Frame Size
210	1-11/16	TP-10
	1-3/4	
211	1-15/16	TP-20
	2	
212	2-3/16	TP-30
	2-1/4	
214	2-7/16	TP-40
215	2-11/16	TP-40
216	2-15/16	TP-50
	3	
218	3-7/16	TP-60
	3-1/2	

TAPERED ROLLER BEARINGS

TYPE E

Shaft Size	Frame Size
1-3/4	
1-7/8	TP-10
1-15/16	
2	
2-3/16	TP-20
2-1/4	
2-7/16	TP-30
2-1/2	
2-11/16	TP-40
2-3/4	
2-15/16	
3	
3-3/16	TP-50
3-1/4	
3-7/16	
3-1/2	
3-15/16	TP-60
4	

- Top Angle Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- Type E - B10-73
- Type K - B10-48
- See B19-21 For Top Angle Take-Up Frame Travel Options And Part Numbers.

TYPE K

Shaft Size	Frame Size
1-3/4	
1-15/16	TP-10
2	
2-3/16	TP-20
2-1/4	
2-7/16	TP-30
2-1/2	
2-11/16	TP-40
2-3/4	
2-15/16	
3	
3-3/16	TP-50
3-1/4	
3-7/16	
3-1/2	
3-15/16	TP-60
4	



SELECTION/DIMENSIONS

Top Angle (TP) Take-Up Frame Bearings

SPHERICAL ROLLER BEARINGS

S-2000

Shaft Size	Frame Size
1-15/16 2	TP-10
2-3/16	TP-30
2-7/16	TP-40
2-11/16	
2-15/16 3	TP-40
3-7/16	TP-50
3-15/16	TP-60

- Top Angle Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- S-2000- B12-10
- See B19-21 For Top Angle Take-Up Frame Travel Options And Part Numbers.

SLEEVE BEARINGS

SOLID LUBE BEARING

LT-700

LT-1000

Shaft Size	Frame Size
1-15/16 2	TP-10
2-3/16	TP-20
2-7/16 2-1/2	TP-30
2-15/16 3	TP-40

- Top Angle Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- SOLIDLUBE Sleeve Bearing (LT7 & LT10) - B17-10
- Type H Babbitted Bearing - B7-48
- See B19-21 For Top Angle Take-Up Frame Travel Options And Part Numbers.

BABBITTED BEARING

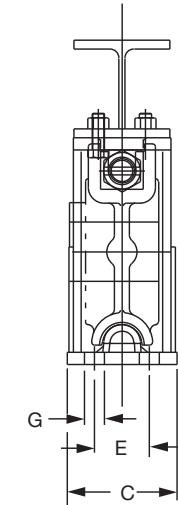
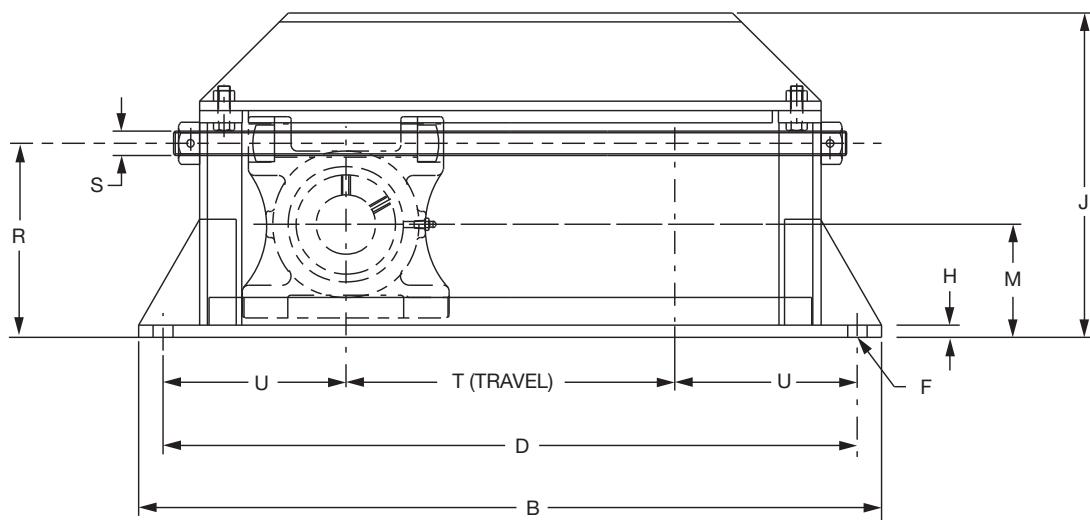
TYPE H

Shaft Size	Frame Size
1-15/16	TP-10
2-3/16	TP-10
2-7/16	TP-30
2-15/16	TP-30
3-7/16	TP-50
3-15/16	TP-50



SELECTION/DIMENSIONS

Take-Up Frames - TPHU



	Shaft Size	Frame Size	Nom. Travel	Part No.	Wt.	B	C	D	E	F Bolt Dia	G
1-7/8 1-15/16 2	TPHU110	12	013497	58	29-1/2	3-1/2	27-1/2	-	5/8	11/16	
		18	013498	70	35-1/2						
		24	013499	82	41-1/2						
2-3/16 2-1/4	TPHU120	12	013900	71	29-1/2	4-1/2	27-1/2	-	5/8	11/16	
		18	013901	85	35-1/2						
		24	013902	99	41-1/2						
2-3/8 2-7/16 2-1/2	TPHU130	12	013903	73	30-1/2	4-1/2	28-1/2	-	3/4	13/16	
		18	013904	86	36-1/2						
		24	013905	99	42-1/2						
2-11/16 2-3/4 2-15/16 3	TPHU140	12	013906	80	32-1/2	4-1/2	30-1/2	2	5/8	11/16	
		18	013907	93	38-1/2						
		24	013908	106	44-1/2						
		30	013909	119	50-1/2						
		36	013910	132	56-1/2						
3-3/16 3-1/4 3-7/16 3-1/2	TPHU150	12	013511	91	34-1/4	4-1/2	32	2	3/4	13/16	
		18	013512	105	40-1/4						
		24	013513	119	46-1/4						
		30	013514	133	52-1/4						
		36	013515	147	58-1/4						
3-11/16 3-15/16 4	TPHU160	12	013916	132	38-1/2	5-1/2	36	2-1/2	3/4	13/16	
		18	013917	150	44-1/2						
		24	013918	168	50-1/2						
		30	013519	186	56-1/2						
		36	013520	204	62-1/2						



SELECTION/DIMENSIONS

Take-Up Frames - TPHU

Shaft Size	Frame Size	Nom. Travel	Part No.	H	J	M	R	S Screw Dia.	T Max. Travel	U
1-7/8 1-15/16 2	TPHU110	12	013497	1/2	10-5/8	3-15/16	6-5/16	3/4	13-1/2	7-3/4
		18	013498						19-1/2	
		24	013499						25-1/2	
2-3/16 2-1/4	TPHU120	12	013900	1/2	11-1/4	4-7/16	7-7/16	1	13-1/2	7
		18	013901						19-1/2	
		24	013902						25-1/2	
2-3/8 2-7/16 2-1/2	TPHU130	12	013903	1/2	11-3/4	4-5/8	7-61/64	1	13-1/2	7-1/2
		18	013904						19-1/2	
		24	013905						25-1/2	
2-11/16 2-3/4 2-15/16 3	TPHU140	12	013906	3/4	12-5/16	5-1/8	8-1/2	1	15-1/2	7-1/2
		18	013907						21-1/2	
		24	013908						27-1/2	
		30	013909						33-1/2	
		36	013910						39-1/2	
3-3/16 3-1/4 3-7/16 3-1/2	TPHU150	12	013511	3/4	13-27/32	5-5/8	9-23/32	1-1/4	15-1/2	8-1/4
		18	013512						21-1/2	
		24	013513						27-1/2	
		30	013514						33-1/2	
		36	013515						39-1/2	
3-11/16 3-15/16 4	TPHU160	12	013916	1	17	7	11-5/8	1-1/4	16-1/2	9-3/4
		18	013917						22-1/2	
		24	013918						28-1/2	
		30	013519						34-1/2	
		36	013520						40-1/2	

SPHERICAL ROLLER BEARINGS

S-2000

Shaft Size	Frame Size
1-15/16 2	TPHU-110
2-3/16	TPHU-120
2-7/16	TPHU-130
2-11/16	
2-15/16 3	TPHU-140
3-7/16	TPHU-150
3-15/16 4	TPHU-160

- TPHU Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- S-2000- B12-9
- See B19-24 and B19-25 For TPHU Take-Up Frame Travel Options And Part Numbers.

Eccentric Collar Ball Bearing

Setscrew VSC Ball Bearing

Eccentric SxV Collar Ball Bearing

Take-Up Frames

Engineering

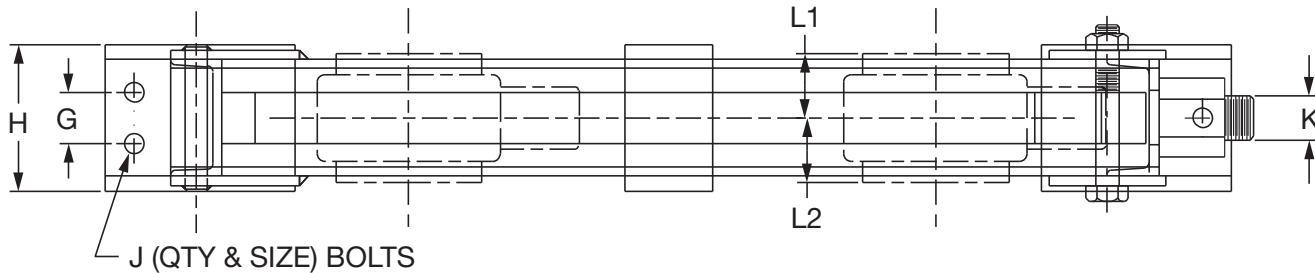
Part Number Index

Keyword Index

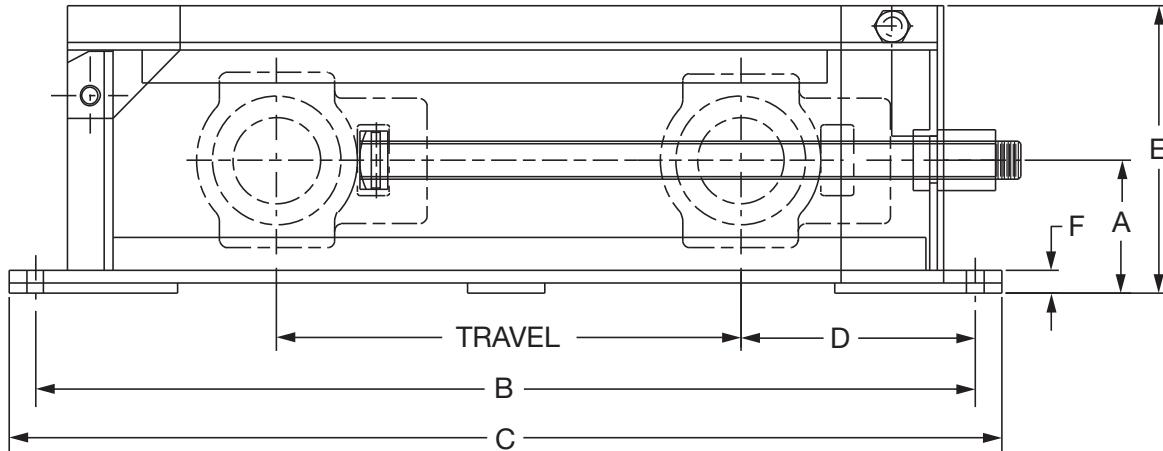


SELECTION/DIMENSIONS

Take-Up Frames - CP CENTER PULL (CP)



U.S. Patent No. 4,676,670



SELECTION/DIMENSIONS

Take-Up Frames - CP CENTER PULL (CP)

Frame Size	Travel	Frame Part Number	Frame Weight	Travel		A	B	C	D		E	F	G	H	J		K	L1 & L2			
				Maximum					S2000 Imperial	Type K & E					Qty.	Size Dia.					
				S2 & IP	Type E & K																
CP308	12	019200	30	15-15/32	15-15/32	3-7/16	26	28	6	6	7	11/16	..	3	2	1/2	3/4-10NC				
CP308	18	019201	34	21-15/32	21-15/32		32	64									3/4-10NC				
CP308	24	019202	38	27-15/32	27-15/32		38	40									3/4-10NC				
CP308	30	019203	42	33-15/32	33-15/32		44	46									3/4-10NC				
CP308	36	019204	46	39-15/32	39-15/32		50	52									3/4-10NC				
CP400	12	019210	55	14-27/32	14-23/32	3-15/16	27-1/2	29-1/2	7-1/4	7-1/4	8-5/8	13/16	..	4	2	5/8	1-8NC				
CP400	18	019211	65	20-27/32	20-23/32		33-1/2	35-1/2									1-8NC				
CP400	24	019212	75	26-27/32	26-23/32		39-1/2	41-1/2									1-8NC				
CP400	30	019213	85	32-27/32	32-23/32		45-1/2	47-1/2									1-8NC				
CP400	36	019214	95	38-27/32	38-23/32		51-1/2	53-1/2									1-8NC				
CP408	12	019220	61	14-5/32	14-3/32	4-7/16	27-1/2	29-1/2	7-3/4	7-3/4	9-1/4	11/16	..	4	2	5/8	1-1/8-7NC				
CP408	18	019221	71	20-5/32	20-3/32		33-1/2	35-1/2									1-1/8-7NC				
CP408	24	019222	81	26-5/32	26-3/32		39-1/2	41-1/2									1-1/8-7NC				
CP408	30	019223	85	32-5/32	32-3/32		45-1/2	47-1/2									1-1/8-7NC				
CP408	36	019224	95	38-5/32	38-3/32		51-1/2	53-1/2									1-1/8-7NC				
CP502	12	019230	65	14-13/32	12-31/32	4-3/8	28-1/2	30-1/2	8-1/4	9-9/16	9-1/2	13/16	..	4	2	3/4	1-1/4-7NC				
CP502	18	019231	75	20-13/32	18-31/32		34-1/2	36-1/2									1-1/4-7NC				
CP502	24	019232	85	26-13/32	24-31/32		40-1/2	42-1/2									1-1/4-7NC				
CP502	30	019233	95	32-13/32	30-31/32		46-1/2	48-1/2									1-1/4-7NC				
CP502	36	019234	105	38-13/32	36-31/32		52-1/2	54-1/2									1-1/4-7NC				
CP515	12	019240	105	14-23/32	14-15/32	5-1/8	30-1/2	32-1/2	9-1/4	9-3/8	11-5/32	7/8	2	5	4	5/8	1-1/2-6NC				
CP515	18	019241	120	20-23/32	20-15/32		36-1/2	38-1/2									1-1/2-6NC				
CP515	24	019242	135	26-23/32	26-15/32		42-1/2	44-1/2									1-1/2-6NC				
CP515	30	019243	150	32-23/32	32-15/32		48-1/2	50-1/2									1-1/2-6NC				
CP515	36	019244	165	38-23/32	38-15/32		54-1/2	56-1/2									1-1/2-6NC				
CP613	12	019250	115	15-1/32	-	5-5/8	32	34-1/4	9-7/8	-	12-1/16	15/16	2	5	4	3/4	1-3/4-5NC				
CP613	18	019251	135	21-1/32	-		38	40-1/4									1-3/4-5NC				
CP613	24	019252	155	27-1/32	-		44	46-1/4									1-3/4-5NC				
CP613	30	019253	175	33-1/32	-		50	52-1/4									1-3/4-5NC				
CP613	36	019254	195	39-1/32	-		56	58-1/4									1-3/4-5NC				
CP810	12	019260	185	16-9/32	-	7	36	38-1/2	12	-	14-3/4	1-3/16	2-1/2	6	4	3/4	2-4-1/2-NC				
CP810	18	019261	210	22-9/32	-		42	44-1/2									2-4-1/2-NC				
CP810	24	019262	235	28-9/32	-		48	50-1/2									2-4-1/2-NC				
CP810	30	019263	260	34-9/32	-		54	56-1/2									2-4-1/2-NC				
CP810	36	019264	285	40-9/32	-		60	62-1/2									2-4-1/2-NC				
CP908	12	019270	280	17-31/32	-	7-1/2	40-3/4	45-3/4	13-1/2	-	16-1/16	1-1/4	5	10	4	1-1/8	2-4-1/2-NC				
CP908	18	019271	310	23-31/32	-		46-3/4	51-3/4									2-4-1/2-NC				
CP908	24	019272	340	29-31/32	-		52-3/4	57-3/4									2-4-1/2-NC				
CP908	30	019273	370	35-31/32	-		58-3/4	63-3/4									2-4-1/2-NC				
CP908	36	019274	400	41-31/32	-		64-3/4	69-3/4									2-4-1/2-NC				
CP1004	12	019280	370	18-29/32	-	8-1/8	44-1/2	49-1/2	15-3/8	-	17-5/16	1-1/2	5-1/2	10	4	1-1/8	2-1/4-4-1/2-NC				
CP1004	18	019281	400	24-29/32	-		50-1/2	55-1/2									2-1/4-4-1/2-NC				
CP1004	24	019282	430	30-29/32	-		56-1/2	61-1/2									2-1/4-4-1/2-NC				
CP1004	30	019283	460	36-29/32	-		62-1/2	67-1/2									2-1/4-4-1/2-NC				
CP1004	36	019284	490	42-29/32	-		68-1/2	73-1/2									2-1/4-4-1/2-NC				



SELECTION/DIMENSIONS

Take-Up Frames - CP

CENTER PULL (CP)

Frame Size	Travel	Frame Part Number	Frame	Travel		Imperial		S2000		Type K		Type E	
				Maximum									
				Weight		S2 & IP	Type E & K	L1	L2	L1	L2	L1	L2
CP308	12	019200	30	15-15/32	15-15/32								
CP308	18	019201	34	21-15/32	21-15/32								
CP308	24	019202	38	27-15/32	27-15/32								
CP308	30	019203	42	33-15/32	33-15/32								
CP308	36	019204	46	39-15/32	39-15/32								
CP400	12	019210	55	14-27/32	14-23/32								
CP400	18	019211	65	20-27/32	20-23/32								
CP400	24	019212	75	26-27/32	26-23/32								
CP400	30	019213	85	32-27/32	32-23/32								
CP400	36	019214	95	38-27/32	38-23/32								
CP408	12	019220	61	14-5/32	14-3/32								
CP408	18	019221	71	20-5/32	20-3/32								
CP408	24	019222	81	26-5/32	26-3/32								
CP408	30	019223	85	32-5/32	32-3/32								
CP408	36	019224	95	38-5/32	38-3/32								
CP502	12	019230	65	14-13/32	12-31/32								
CP502	18	019231	75	20-13/32	18-31/32								
CP502	24	019232	85	26-13/32	24-31/32								
CP502	30	019233	95	32-13/32	30-31/32								
CP502	36	019234	105	38-13/32	36-31/32								
CP515	12	019240	105	14-23/32	14-15/32								
CP515	18	019241	120	20-23/32	20-15/32								
CP515	24	019242	135	26-23/32	26-15/32								
CP515	30	019243	150	32-23/32	32-15/32								
CP515	36	019244	165	38-23/32	38-15/32								
CP613	12	019250	115	15-1/32	-								
CP613	18	019251	135	21-1/32	-								
CP613	24	019252	155	27-1/32	-								
CP613	30	019253	175	33-1/32	-								
CP613	36	019254	195	39-1/32	-								
CP810	12	019260	185	16-9/32	-								
CP810	18	019261	210	22-9/32	-								
CP810	24	019262	235	28-9/32	-								
CP810	30	019263	260	34-9/32	-								
CP810	36	019264	285	40-9/32	-								
CP908	12	019270	280	17-31/32	-								
CP908	18	019271	310	23-31/32	-								
CP908	24	019272	340	29-31/32	-								
CP908	30	019273	370	35-31/32	-								
CP908	36	019274	400	41-31/32	-								
CP1004	12	019280	370	18-29/32	-								
CP1004	18	019281	400	24-29/32	-								
CP1004	24	019282	430	30-29/32	-								
CP1004	30	019283	460	36-29/32	-								
CP1004	36	019284	490	42-29/32	-								



SELECTION/DIMENSIONS

Center Pull Take-Up Frame Bearings

TAPERED ROLLER BEARINGS

Type E

Shaft Size	Frame Size
1-3/8	
1-7/16	CP-308
1-1/2	
1-5/8	CP-400
1-11/16	
1-3/4	
1-7/8	
1-15/16	CP-400
2	
2-3/16	CP-408
2-1/4	
2-7/16	CP-502
2-1/2	
2-11/16	
2-3/4	
2-15/16	CP-515
3	

- Center Pull Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number
- Type E - B10-30
- Type K - B10-46
- See B19-27 and B19-28 For Center Pull Take-Up Frame Travel Options And Part Numbers

Type K

Shaft Size	Frame Size
1-7/16	CP-308
1-15/16	CP-400
2-3/16	CP-408
2-7/16	CP-502
2-1/2	
2-15/16	CP-515
3	

SPHERICAL ROLLER BEARINGS

S-2000

Shaft Size	Frame Size
1-3/8	
1-7/16	CP-308
1-1/2	
1-11/16	
1-3/4	CP-400
1-15/16	CP-400
2	
2-3/16	CP-408
2-7/16	CP-502
2-11/16	
2-15/16	CP-515
3	
3-7/16	CP-613
3-15/16	CP-810
4-7/16	CP-908
4-15/16	CP-1004

- Center Pull Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number
- S-2000 - B12-36 to B12-39
- IMPERIAL - B14-18 to B14-22
- See B19-27 and B19-28 For Center Pull Take-Up Frame Travel Options And Part Numbers

IMPERIAL - IP

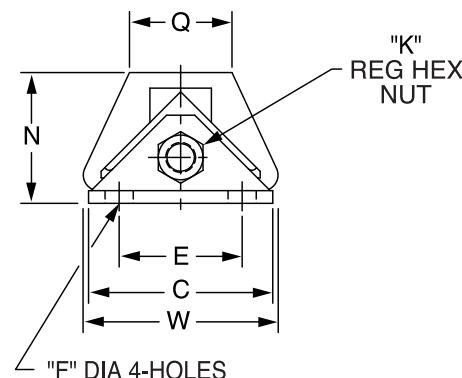
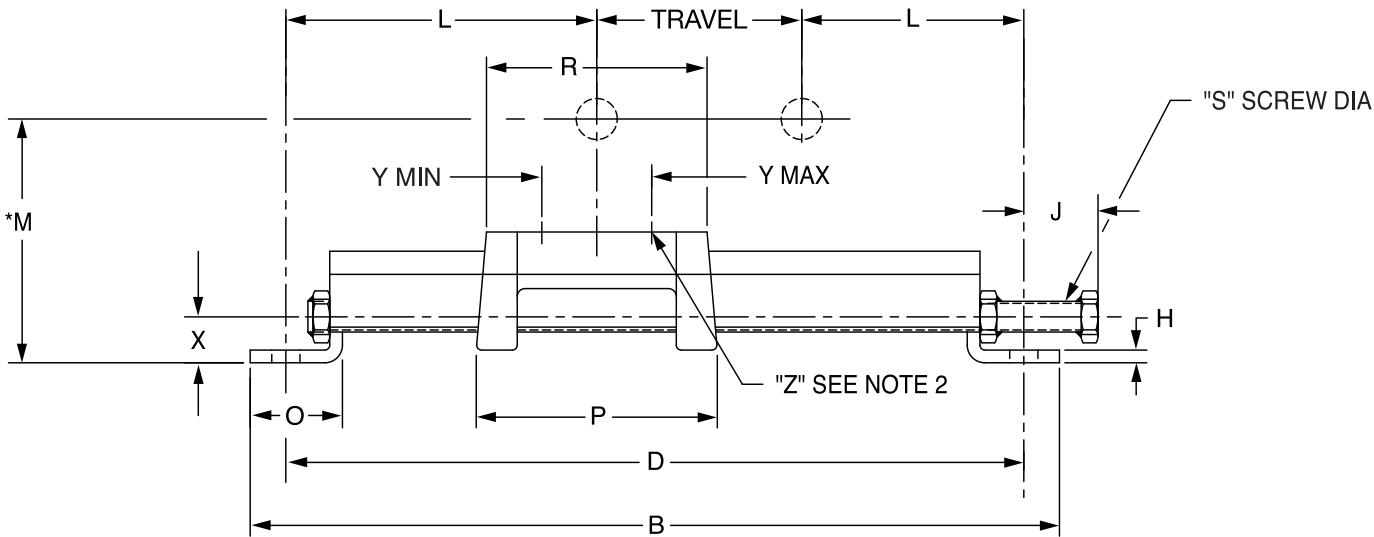
Shaft Size	Frame Size
1-1/8	
1-3/16	
1-1/4	CP308
1-3/8	
1-7/16	
1-1/2	
1-5/8	
1-11/16	CP-400
1-3/4	
1-7/8	
1-15/16	CP-400
2	
2-3/16	CP-408
2-1/4	
2-3/8	
2-7/16	CP-502
2-1/2	
2-11/16	
2-3/4	
2-15/16	CP-515
3	
3-3/16	
3-1/4	
3-7/16	
3-1/2	
3-11/16	CP-613
3-15/16	
4	CP-810



SELECTION/DIMENSIONS

Take-Up Frames - LD

LD PROTECTED SCREW TAKE-UP FRAMES



SELECTION/DIMENSIONS



Take-Up Frames - LD

LD PROTECTED SCREW TAKE-UP FRAMES

Frame Size x Travel	Part No.	Wt.	B	C	D	E	F Bolt Dia.	H	J	K	L	N	O
LD-10x6	039005	10	19-1/2	3-3/4	18	2-1/2	3/8	1/4	9/16	9/16	6	2-3/4	2-1/8
LD-10x9	039006	11	22		20-1/2						5-3/4		
LD-10x12	038910	13	25		23-1/2						5-3/4		
LD-10x18	038911	14	31		29-1/2						5-3/4		
LD-10x30	038912	16	43		41-1/2						5-3/4		
LD-10x36	038913	18	49		47-1/2						5-3/4		
LD-10x42	038914	20	55		53-1/2						5-3/4		
LD-10x48	038915	22	61		59-1/2						5-3/4		
LD-20x6	039007	12	19-1/2	3-3/4	18	2-1/2	1/2	1/4	1-3/4	9/16	6	2-19/32	2-1/8
LD-20x9	039008	13	22		20-1/2						5-3/4		
LD-20x12	039009	14	25		23-1/2						5-3/4		
LD-20x18	039010	17	33-1/2		32						7		
LD-20x24	039003	18	39-1/2		38						7		
LD-20x30	039002	20	45-1/2		44						7		
LD-20x36	039043	22	51-1/2		50						7		
LD-20x42	038916	24	57-1/2		56						7		
LD-20x48	039044	26	63-1/2		62						7		
LD-30x12	039011	18	28-1/4	3-3/4	26-3/4	2-1/2	1/2	1/4	1-3/4	9/16	7-3/8	2-11/16	2-1/8
LD-30x18	039012	21	34-1/4		32-3/4						7-3/8		
LD-30x24	039084	24	40-1/4		38-3/4						7-3/8		
LD-30x30	038917	27	46-1/4		44-3/4						7-3/8		
LD-30x36	038918	30	52-1/4		50-3/4						7-3/8		
LD-30x42	038919	33	58-1/4		56-3/4						7-3/8		
LD-30x48	038920	35	64-1/4		62-3/4						7-3/8		
LD-40x12	039013	25	28-1/4	4-3/4	26-1/2	3	5/8	5/16	1-3/4	9/16	7-1/4	3-3/16	2-1/4
LD-40x18	039014	28	34-1/4		32-1/2						7-1/4		
LD-40x24	039073	31	40-1/4		38-1/2						7-1/4		
LD-40x30	038921	34	46-1/4		44-1/2						7-1/4		
LD-40x36	038922	37	52-1/4		50-1/2						7-1/4		
LD-40x42	038923	40	58-1/4		56-1/2						7-1/4		
LD-40x48	038924	43	64-1/4		62-1/2						7-1/4		
LD-45x12	039018	50	33	5	31-1/4	3	3/4	5/16	1-9/16	11/16	9-3/4	4-1/8	2-1/2
LD-45x18	039019	55	39-1/4		37-1/2						9-3/4		
LD-45x24	039097	58	45-1/4		43-1/2						9-3/4		
LD-45x30	038925	65	51-1/4		49-1/2						9-3/4		
LD-45x36	038926	70	57-1/4		55-1/2						9-3/4		
LD-45x42	038927	75	63-1/4		61-1/2						9-3/4		
LD-45x48	038928	80	69-1/4		67-1/2						9-3/4		
LD-50x6	039004	49	27	5	25-1/4	3	3/4	5/16	1-9/16	11/16	9-5/8	4-1/8	2-1/2
LD-50x12	039015	54	33		31-1/4						9-3/4		
LD-50x18	039016	60	39-1/4		37-1/2						9-3/4		
LD-50x24	039017	65	45-1/4		43-1/2						9-3/4		
LD-50x30	038929	71	51-1/4		49-1/2						9-3/4		
LD-50x36	038930	77	57-1/4		55-1/2						9-3/4		
LD-50x48	038932	90	69-1/4		67-1/2						9-3/4		



SELECTION/DIMENSIONS

Eccentric Collar Ball Bearings

Setscrew VSC Ball Bearing

Eccentric SXV Collar Ball Bearing

Take-Up Frames

Engineering

Part Number Index

Keyword Index

Take-Up Frames - LD

LD PROTECTED SCREW TAKE-UP FRAMES

Frame Size x Travel	Part No.	Wt.	P	Q	R	S Screw Dia.	W	X	Y Bolt Centers		Z Bolt Dia.	Angle
									Max.	Min.		
LD-10x6	039005	10	5-7/8	1-1/2	5-3/8	3/4	3-1/4	15/16	4-3/8	2-7/8	3/8 x 1-1/2	2 x 2 x 1/4
LD-10x9	039006	11										
LD-10x12	038910	13										
LD-10x18	038911	14										
LD-10x30	038912	16										
LD-10x36	038913	18										
LD-10x42	038914	20										
LD-10x48	038915	22										
LD-20x6	039007	12	7-3/4	2-1/8	7-1/4	3/4	3-3/4	15/16	6-1/4	4-7/16	1/2 x 2-1/2	2 x 2 x 1/4
LD-20x9	039008	13										
LD-20x12	039009	14										
LD-20x18	039010	17										
LD-20x24	039003	18										
LD-20x30	039002	20										
LD-20x36	039043	22										
LD-20x42	038916	24										
LD-20x48	039044	26										
LD-30x12	039011	18	8-1/2	2-1/4	8	3/4	3-3/4	15/16	7	5-3/4	5/8 x 2-1/2	2 x 2 x 5/16
LD-30x18	039012	21										
LD-30x24	039084	24										
LD-30x30	038917	27										
LD-30x36	038918	30										
LD-30x42	038919	33										
LD-30x48	038920	35										
LD-40x12	039013	25										
LD-40x18	039014	28	9-3/4	2-1/2	9-1/4	3/4	4-3/4	1-1/16	7-7/8	6-3/8	5/8 x 3	2-1/2 x 2-1/2 x 5/16
LD-40x24	039073	31										
LD-40x30	038921	34										
LD-40x36	038922	37										
LD-40x42	038923	40										
LD-40x48	038924	43										
LD-45x12	039018	50	13-1/2	3-1/2	13	1	5-7/8	1-1/4	11-1/4	7-1/4	3/4 x 3-1/2	3 x 3 x 1/2
LD-45x18	039019	55										
LD-45x24	039097	58										
LD-45x30	038925	65										
LD-45x36	038926	70										
LD-45x42	038927	75										
LD-45x48	038928	80										
LD-50x6	039004	49	13-1/2	3-1/2	13	1	5-7/8	1-1/4	11-1/4	7-1/4	3/4 x 3-1/2	3 x 3 x 1/2
LD-50x12	039015	54										
LD-50x18	039016	60										
LD-50x24	039017	65										
LD-50x30	038929	71		13-1/2	3-1/2	13	1	5-7/8	1-1/4	11-1/8	7-5/8	7/8 x 4
LD-50x36	038930	77										
LD-50x48	038932	90										



SELECTION/DIMENSIONS

Light Duty Take-Up Frame Bearings

BALL BEARINGS

NORMAL DUTY

SETSCREW - SC, SCU, SCB, VSC, VSCB

D-LOK - DL, DLB

ECCENTRIC LOCK - SXR, SXRU, SXRB, SXV, SXVU, SXVB

GRIP TIGHT - GT

Series	Shaft Size	Frame Size
203	1/2 5/8	LD-10
204	1/2 5/8 3/4 20mm	LD-10
205	7/8 15/16 25mm	LD-10
206	1-1/16 1-1/8 1-3/16 1-1/4 30mm	LD-20
207	1-1/4 1-5/16 1-3/8 1-7/16 35mm	LD-20
208	1-1/2 1-5/8 40mm	LD-20
209	1-5/8 1-11/16 1-3/4 45mm	LD-20
210	1-15/16 2 50mm	LD-30
211	2 55mm	LD-40
212	2-3/16 2-1/4 55mm	LD-40
214	2-7/16 2-1/2 65mm	LD-45
215	2-11/16 70mm	LD-50
216	2-15/16 3 75mm	LD-50
218	3-7/16 3-1/2 85mm	LD-50

- Light Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number.
- EZ-KLEEN Polymer Housing - B1-14 to B1-29
- Grip Tight (GT & GTM) - B2-8 to B2-19
- Setscrew (SC, SCM & VSC) - B12-12 to B12-15
- Eccentric Lock (SXR & SXV) - B7-12 to B7-15
- D-LOK (DL & DLM) - B6-10 to B10-22
- See B19-32 For Light Duty Take-Up Frame Travel Options And Part Numbers.

Series	Shaft Size	Frame Size
206	1 25mm	LD-20
207	1-3/16 1-1/4 30mm	LD-20
208	1-7/16 35mm	LD-20
209	1-1/2 40mm	LD-20
210	1-11/16 1-3/4 45mm	LD-30
211	1-15/16 2 50mm	LD-40
212	2-3/16 2-1/4 55mm	LD-40
214	2-7/16 2-1/2 65mm	LD-45
215	2-11/16 70mm	LD-50
216	2-15/16 3 75mm	LD-50
218	3-7/16 3-1/2 85mm	LD-50



SELECTION/DIMENSIONS

Light Duty Take-Up Frame Bearings

SPHERICAL ROLLER BEARINGS

IMPERIAL - IP

Shaft Size	Frame Size
1-1/8	LD-20
1-3/16	
1-1/4	
1-3/8	
1-7/16	
1-1/2	
1-5/8	LD-20
1	
11/16	
1-3/4	
1-7/8	
1	
15/16	LD-30
2	
2-3/16	
2-1/4	
2-3/8	
2-7/16	
2-1/2	LD-40
2-11/16	
2-3/4	
2-15/16	
3	
3-3/16	
3-1/4	LD-50
3-7/16	
3-1/2	
3-1/2	
3-1/2	
3-1/2	

S-2000

Shaft Size	Frame Size
1-3/8	
1-7/16	LD-20
1-1/2	
1-11/16	LD-20
1-3/4	
1-15/16	LD-30
2	
2-3/16	LD-40
2-7/16	LD-40
2-11/16	
2-15/16	LD-45
3	LD-50

UNISPHERE II

Shaft Size	Frame Size
1-7/16	
1-1/2	LD-20
1-11/16	
1-3/4	
1-15/16	LD-30
2	
2-3/16	
2-7/16	LD-40
2-1/2	
2-11/16	
2-3/4	
2-15/16	LD-45
3	
3-7/16	
3-1/2	LD-50

- Light Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number
- S-2000 - B12-14 to B12-17
- Unisphere II - B13-12 to B13-13
- IMPERIAL - B114-30 to B14-31
- See B19-32 For Light Duty Take-Up Frame Travel Options And Part Numbers.

Frame Size	Max Recommended Housing Cap Load (90° Load Angle)
LD-10	2100
LD-20	3900
LD-30	6200
LD-40	6200
LD-45	9100
LD-50	12500

* Consult the Application Engineering Department for loads greater than listed. In all cases, when loads are heavy, the L10 life of the bearing should be checked for proper selection and life requirements.

* LD Frames are drilled for two bolt pillow blocks



SELECTION/DIMENSIONS

Light Duty Take-Up Frame Bearings

SLEEVE BEARING

LT-700

LT-1000

Series	Shaft Size	Frame Size
204	3/4	LD-10
205	7/8	LD-10
	15/16 1 25mm	
206	1-1/8 1-3/16 30mm	LD-20
207	1-1/4 1-3/8 1-7/16 35mm	LD-20
209	1-11/16 1-3/4 45mm	LD-20
210	1-15/16 2 50mm	LD-30
211	2-3/16 55mm	LD-40
212	2-7/16 2-1/2 55mm	LD-40
215	2-15/16 3	LD-50

- Light Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number
- LT-700 - B17-10 to B17-13
- LT-1000 - B17-10 to B17-13
- Babbitt Sleeve - B17-38 to B17-39
- See B19-32 For Light Duty Take-Up Frame Travel Options And Part Numbers

Babbitted Solid Journal Bearing

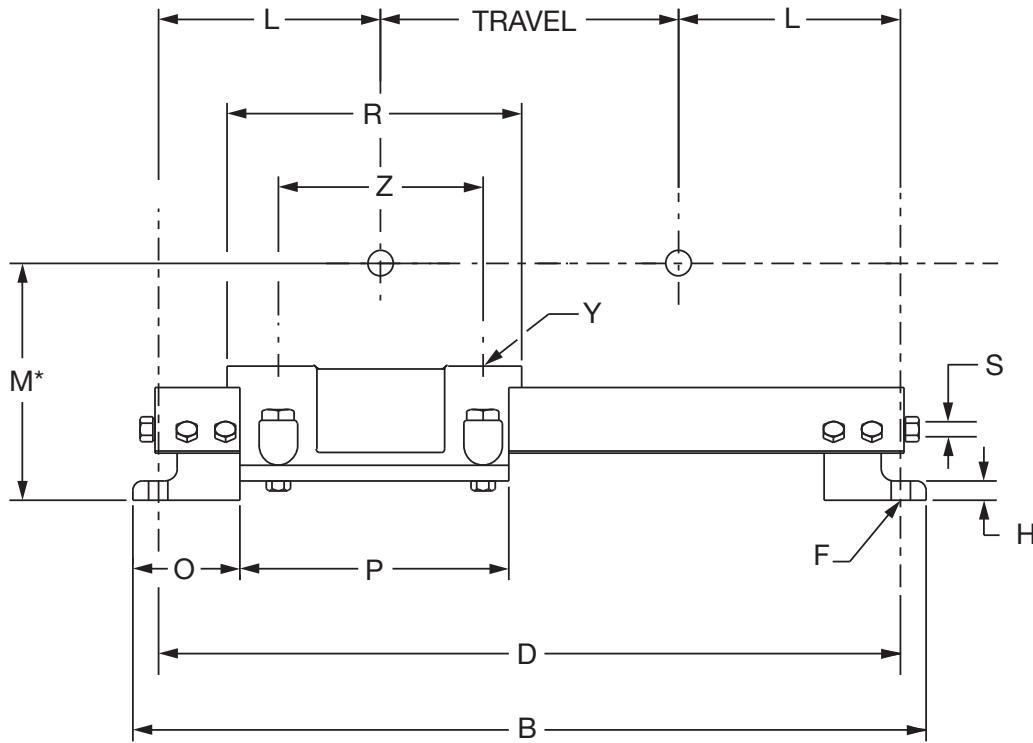
Shaft Size	Frame Size
1/2 to 1-1/4	LD-10
1-11/16 1-3/4	LD-20
2-15/16	LD-45



SELECTION/DIMENSIONS

Take-Up Frames - HD

HD PROTECTED SCREW TAKE-UP FRAMES

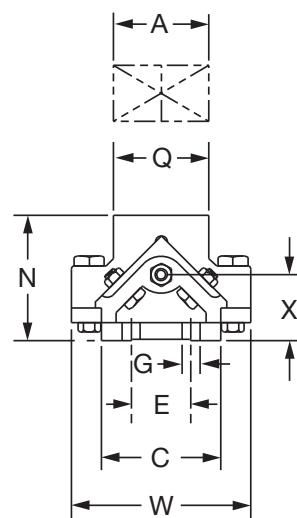


*M = N + Pillow Block Base to Center Dimension

The HD Protected Screw Take-Up Frames

HD 200 through HD 350 Take-Up frames will accommodate pillow blocks on saddles which are slotted for two-bolt Pillow Blocks and may be ordered by part numbers. When using four-bolt Pillow Blocks; or on HD frames 400 and larger, please supply:

1. Bore size of pillow block
2. Type of block (Type E, Double Interlock, USAF, etc.)
3. Whether pillow block is two-or four-bolt style
4. Frame Travel





SELECTION/DIMENSIONS

Take-Up Frames - HD

HD PROTECTED SCREW TAKE-UP FRAMES

Frame Size	Travel	Part No. **♦	Frame Wt.	B	C	D
HD-200*	12	089020	79	31	5	29
	18	089021	82	37	5	35
	24	089022	90	43	5	41
	30	089023	95	47	5	47
	36	089024	100	55	5	53
	48	089150	110	67	5	65
HD-250*	12	089151	115	35-1/4	6	32-3/4
	18	089025	125	41-1/4	6	38-3/4
	24	089026	135	47-1/4	6	44-3/4
	30	089027	137	53-1/4	6	50-3/4
	36	089028	143	59-1/4	6	56-3/4
	48	089152	153	71-1/4	6	68-3/4
	60	089600	163	83-1/4	6	80-3/4
HD-300*	12	089153	175	38-1/4	6-1/2	35-1/2
	18	089029	184	44-1/4	6-1/2	41-1/2
	24	089030	194	50-1/4	6-1/2	47-1/2
	30	089031	206	56-1/4	6-1/2	53-1/2
	36	089032	214	62-1/4	6-1/2	59-1/2
	48	089033	240	74-1/4	6-1/2	71-1/2
	60	089601	266	86-1/4	6-1/2	83-1/2
HD-350*	12	089154	195	40	6-1/2	37-1/4
	18	089034	204	46	6-1/2	43-1/4
	24	089035	212	52	6-1/2	49-1/4
	30	089036	220	58	6-1/2	55-1/4
	36	089037	234	64	6-1/2	61-1/4
	48	089038	250	76	6-1/2	73-1/4
	60	089602	276	88	6-1/2	85-1/4
HD-400**	12	089155	340	44	6-1/2	41-1/4
	18	089039	350	50	6-1/2	47-1/4
	24	089040	360	56	6-1/2	53-1/4
	30	089041	370	62	6-1/2	59-1/4
	36	089042	380	68	6-1/2	65-1/4
	48	089043	400	80	6-1/2	77-1/4
	60	089603	420	92	6-1/2	89-1/4
HD-500**	12	089156	420	49-1/2	7	47
	18	089044	440	55-1/2	7	53
	24	089045	460	61-1/2	7	59
	30	089046	480	67-1/2	7	65
	36	089047	500	73-1/2	7	71
	48	089048	530	85-1/2	7	83
	60	089604	560	97-1/2	7	95

Frame Size	E	F Bolt Dia.	G Dia.	H	L	N	O	P	Saddle *Dimensions		S Scr. Dia.	W	X	Y Bolt Dia.	Z	
									Q	R					Max.	
HD-200	2-1/2	5/8	3/4	3/4	8-1/2	5-1/4	4	11	4	11	1	7-1/2	2-9/16	5/8	9-1/16	5-15/16
HD-250	3	5/8	3/4	3/4	10-3/8	6-1/4	5	13-1/4	4-1/2	13	1	8-1/4	3-1/4	3/4	10-7/8	7-5/8
HD-300	3	3/4	7/8	7/8	11-3/4	7	6	14-1/4	5	14	1-1/4	10	3-1/2	3/4	11-5/8	9-1/4
HD-350	3	3/4	7/8	7/8	12-5/8	7	6	16	6	17	1-1/4	10	3-1/2	7/8	13-11/16	10-3/4
HD-400	3	3/4	7/8	7/8	14-5/8	7	6	20	7-1/4	20	1-1/4	10	3-1/2	♦	♦	♦
HD-500	4	7/8	1	1	17-1/2	7-3/4	6-3/4	23-1/2	8-1/2	23-1/2	1-1/2	12-1/2	3-21/32	♦	♦	♦

Consult DODGE for HD600 and HD650 Take-Up Frames, for large bore bearings.

♦ Solid saddle must be drilled and tapped per order (HD-400 & HD500 frames)

* Saddle is slotted to receive 2-bolt blocks.

** For 4-bolt pillow blocks, all HD frames must be drilled and tapped per order. Refer to Page B19-36

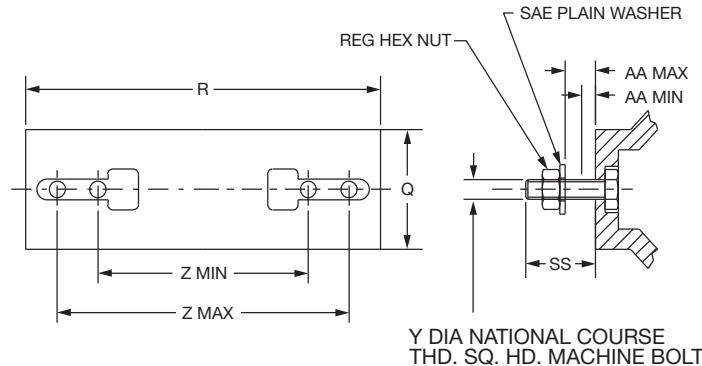
FEATURES/BENEFITS PAGE B19-2	HOW TO ORDER/NOMENCLATURE PAGE B19-7	SELECTION/DIMENSIONS PAGE B19-8
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SELECTION/DIMENSIONS

Take-Up Frames - HD

USING HD PROTECTED SCREW TAKE-UP FRAMES FOR BEARINGS OTHER THAN DODGE



Slotted saddle type HD frames (200 through 350 sizes) may be used with 2-bolt pillow blocks other than DODGE pillow blocks listed in tables on previous pages. The dimensions shown below are listed to determine whether frame is applicable to this type of application.

Frame Size	AA		Saddle Dimensions	
	Min.	Max.	Q	R
HD-200	2	3-1/64	4	11
HD-250	2-5/8	3-13/16	4-1/2	13
HD-300	2-31/32	4-5/32	5	14
HD-350	2-27/32	4-11/16	6	17

Frame Size	Y			SS	Z		
	Bearing Hold Down Bolts				Bolt Centers		
	Diameter	Part Number	Length Under Head		Max.	Min.	
HD-200	5/8-11	416173	4	3-5/8	9-7/16	5-15/16	
HD-250	3/4-10	416229	5	4-17/32	10-7/8	7-5/8	
HD-300	3/4-10	416231	5-1/2	4-7/8	11-5/8	9-1/4	
HD-350	7/8-9	416275	5-1/2	5	13-11/16	10-3/4	

Note: The Pillow Blocks must use the bolt shown and have the capability of mounting between the Z bolt centers. The height off the mounting bolt pad must be within the AA dimensions.

SELECTION/DIMENSIONS



Heavy Duty Take-Up Frame Bearings

TAPERED ROLLER BEARINGS

Type E		Type K Double Interlock		TAF	
Shaft Size	Frame Size	Shaft Size	Frame Size	Shaft Size	Frame Size
1-1/2 to 2-1/2	HD-200*	1-1/2 to 2-3/16	HD-200*	2-7/16 to 2-1/2	HD-200*
2-11/16 to 3	HD-250*	2-1/4 to 2-1/2	HD-250*	2-15/16 to 3	HD-250*
3-3/16 to 3-1/2	HD-350*	2-11/16 to 3	HD-300*	3-7/16 to 4	HD-350*
3-15/16 to 5	HD-400**	3-3/16 to 3-1/2	HD-350*	4-7/16 to 5	HD-400**
5-7/16 to 6	HD-500**	3-15/16 to 4-1/2	HD-400**	5-7/16	HD-500**
		4-15/16 to 5	HD-500**		

- Heavy Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number
 - Type K - B10-40
 - Type E - B10-22
 - DOUBLE INTERLOCK - B10-50
 - TAF - B10-58
 - See B19-37 For Heavy Duty Take-Up Frame Travel Options and Part Numbers

* HD-200, HD-250, HD-300 and HD 350 Frames Are Drilled For Two Bolt Base Pillow Blocks. For 4-bolt pillow blocks, refer to note on page B19-36.

**HD-400 And Larger Are Drilled And Tapped Per Order. Specify Bearing Type When Ordering.



SELECTION/DIMENSIONS

Heavy Duty Take-Up Frame Bearings

SPECIALITY TAPERED ROLLER BEARINGS

Special Duty

Shaft Size	Frame Size
1-3/8 to 2	HD-200
2-1/8 to 2-1/2	HD-250
2-3/8 to 3	HD-300
3-3/16 to 3-1/2	HD-350
3-11/16 to 4	HD-400**
4-7/16 to 5	HD-500**

Type C

Shaft Size	Frame Size
1-3/8 to 1-15/16	HD-200
2 to 2-7/16	HD-250
2-3/8 to 2-15/16	HD-300
3 to 3-7/16	HD-350
3-1/2 to 4	HD-400**
4-7/16 to 5	HD-500**

All-Steel

Shaft Size	Frame Size
2-11/16 to 3	HD-250*
3-7/16 to 3-1/2	HD-300*
3-15/16 to 4	HD-350*
4-7/17 to 5	HD-400**

- Heavy Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number

- Specialty Duty - B11-30
- Type C - B11-8
- All Steel - B11-54
- See B19-37 For Heavy Duty Take-Up Frame Travel Options and Part Numbers

*HD-200, HD-250, HD-300 and HD 350 Frames Are Drilled For Two Bolt Base Pillow Blocks. For 4-bolt pillow blocks, refer to note on page B19-36.

**HD-400 And Larger Are Drilled And Tapped Per Order. Specify Bearing Type When Ordering.

SELECTION/DIMENSIONS



Heavy Duty Take-Up Frame Bearings

UNITIZED SPHERICAL ROLLER BEARINGS

Imperial - IP		S-2000		UNISPHERE II	
Shaft Size	Frame Size	Shaft Size	Frame Size	Shaft Size	Frame Size
1-1/8		1-3/8		1-15/16	
to	HD-200*	1-7/16		2	
2-1/2		1-1/2		2-3/16	
2-11/16		1-11/16		2-7/16	HD-200
2-3/4		1-3/4		2-1/2	
2-15/16	HD-250*	1-15/16	HD-200*	2-11/16	
3		2		2-3/4	
3-3/16		2-3/16		2-15/16	HD-250
3-1/4		2-7/16		3	
3-7/16	HD-300*	2-11/16		3-7/16	
3-1/2		2-15/16	HD-250*	3-1/2	HD-300
3-11/16		3		3-15/16	
3-15/16		3-7/16	HD-300*	4	HD-350
4	HD-350*	3-15/16			
4-7/16		4-7/16	HD-350*		
4-1/2		4-15/16	HD-400**		
4-15/16					
5	HD-400**				

- Heavy Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number
- S-2000 - B12-14 to B12-29
- IMPERIAL - B14-30 to B14-37
- UNISPHERE - B13-12 to B13-13
- See B19-37 For Heavy Duty Take-Up Frame Travel Options and Part Numbers

*HD-200, HD-250, HD-300 and HD 350 Frames Are Drilled For Two Bolt Base Pillow Blocks. For 4-bolt pillow blocks, refer to note on page B19-36.

**HD-400 And Larger Are Drilled And Tapped Per Order. Specify Bearing Type When Ordering.



SELECTION/DIMENSIONS

Heavy Duty Take-Up Frame Bearings

UNIFIED SPHERICAL ROLLER BEARINGS

USAF-500

SAF-XT

SAFS

ISAF

Shaft Size	Frame Size
1-15/16 to 2-3/16	HD-200*
2-7/16 to 3	HD-250*
3-3/16	HD-300*
3-7/16 to 3-1/2	HD-350*
3-15/16 to 4-1/2	HD-400**
4-15/16 to 5-1/2	HD-500**

Take-Up Frame Size	Maximum Recommended Housing Cap. Loads ** (at 90° load angle)
HD-200	2800
HD-250	4200
HD-300	4200
HD-350	3500
HD-400	***
HD-500	***

- Heavy Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number
- IMPERIAL - B14-52 to B14-57
- USAF-500 - B14-26 to B14-29
- SAF-XT - B15-56 to B15-59
- SAFS - B15-61 to B15-63
- See B19-37 For Heavy Duty Take-Up Frame Travel Options and Part Numbers

*HD-200, HD-250, HD-300 and HD 350 Frames Are Drilled For Two Bolt Base Pillow Blocks. For 4-bolt pillow blocks, refer to note on page B19-36.

**HD-400 And Larger Are Drilled And Tapped Per Order. Specify Bearing Type When Ordering.



SELECTION/DIMENSIONS

Heavy Duty Take-Up Frame Bearings

SLEEVE BEARINGS

MM-700

MM-1000

Shaft Size	Frame Size
3-7/16	HD-250*
3-1/2	
3-15/16	HD-300*
4	
4-7/16	HD-350*
4-1/2	
4-15/16	HD-400**
5	

- Heavy Duty Take-Up Frames Are Not Supplied With Bearings. First Match The Take-Up Frame With The Bearing Size From This Page. Then Turn To The Page Listed For The Specific Bearing Part Number
- MM 700 - B17-14
- MM 1000 - B17-14
- Angle Babbitt - B17-42 to B17-43
- Bronze B17-50 to B17-53
- See B19-37 For Heavy Duty Take-Up Frame Travel Options and Part Numbers

Angle Babbitt Bronze Babbitt

Shaft Size	Frame Size
1-15/16	
2-3/16	HD-200*
2-7/16	
2-11/16	HD-250*
2-15/16	
3-7/16	HD-300*
3-15/16	HD-350*
4-7/16	
4-15/16	HD-400**
5-7/16	
5-15/16	HD-500**

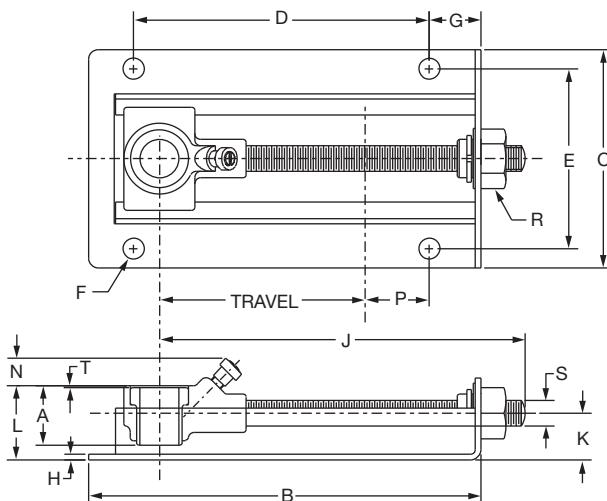
*HD-200, HD-250, HD-300 and HD 350 Frames Are Drilled For Two Bolt Base Pillow Blocks. For 4-bolt pillow blocks, refer to note on page B19-36.

**HD-400 And Larger Are Drilled And Tapped Per Order. Specify Bearing Type When Ordering.

SELECTION/DIMENSIONS



Take-Up Frames - BRONZOIL

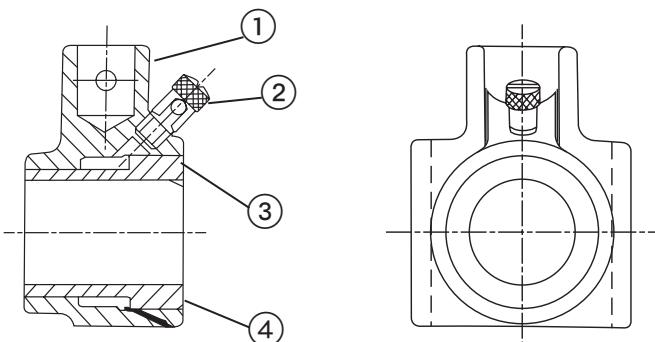


Shaft Size X Travel	Part Number	Description	Wt.	A	B	C	D	E
1/2 x 4	034020	BOTU-008X4	1.9					
5/8 x 4	034021	BOTU-010X4	1.8	1-3/16	7-5/8	4-1/4	5-3/4	3-1/2
3/4 x 4	034022	BOTU-012X4	1.7					
7/8 x 4	034023	BOTU-014X4	2.1					
15/16 x 4	034024	BOTU-015X4	2.0	1-9/16	7-5/8	4-1/4	5-3/4	3-1/2
1 x 4	034025	BOTU-100X4	1.9					

Shaft Size X Travel	F Bolt Dia.	G	H	J	K	L	N	P	R Hex. Size	S	T
1/2 x 4											
5/8 x 4	3/8	1	7/64	7-1/8	29/32	1-7/16	1/2	1-1/4	1	1/2	1/16
3/4 x 4											
7/8 x 4											
15/16 x 4	3/8	1	7/64	7-1/8	29/32	1-5/8	5/16	1-1/4	1	1/2	1/16
1 x 4											

BRONZOIL Take-Up Bearing Assembly

Size	(TUBO---) Assy. No	1	2	3	4
1/2	034030	034001	405046	034013	444010
5/8	034031	034001	405046	034014	444010
3/4	034032	034001	405046	034015	444010
7/8	034033	034002	405046	034016	444010
15/18	034034	034002	405046	034017	444010
1	034035	034002	405046	034018	444010



1. BRONZOIL Housing
2. BRONZOIL Take-Up Oil Cup
3. BRONZOIL Bushing
4. BRONZOIL Permawick

SELECTION/DIMENSIONS



Take-Up Bearings - Type A & B



TYPE A & B TAKE-UP BEARINGS (Only) TYPE A & B TAKE-UP FRAMES DISCONTINUED

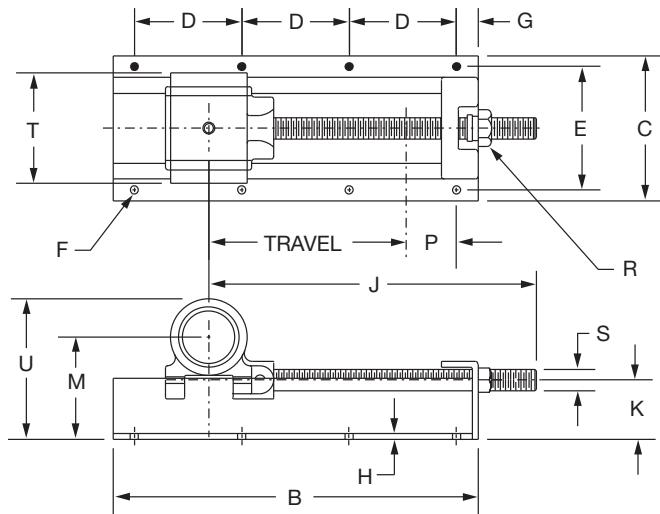
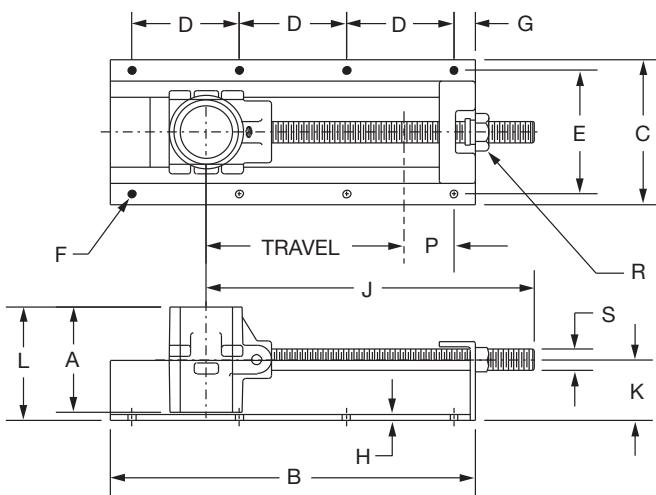
Shaft Size x Travel	Type A Take-Up Bearing		
	Part Number	Description	Wt.
15/16 x 5	036180	TUA-015-TUBRG	2.6
1 x 5	036181	TUA-100-TUBRG	2.5
1-3/15 x 5	036182	TUA-103-TUBRG	2.3
1-1/4 x 5	036183	TUA-104-TUBRG	2.2
1-7/16 x 6	036184	TUA-107-TUBRG	3.5
1-7/16 x 12			
1-11/16 x 6	036185	TUA-111-TUBRG	4.1
1-11/16 x 12			
1-15/16 x 9	036186	TUA-115-TUBRG	6.7
1-15/16 x 18			
2-3/16 x 9	036187	TUA-203-TUBRG	10.1
2-3/16 x 18			
2-7/16 x 9	036188	TUA-207-TUBRG	8.8
2-7/16 x 18			

Shaft Size x Travel	Type B Take-Up Bearing		
	Part Number	Description	Wt.
15/16 x 5	036270	TUB-015-TUBRG	3.6
1 x 5	036193	TUB-100-TUBRG	3.5
1-3/15 x 5	036194	TUB-103-TUBRG	3.3
1-1/4 x 5	036274	TUB-104-TUBRG	3.2
1-7/16 x 6	036196	TUB-107-TUBRG	4.7
1-7/16 x 12			
1-11/16 x 6	036197	TUB-111-TUBRG	5.4
1-11/16 x 12			
1-15/16 x 9	036198	TUB-115-TUBRG	8.6
1-15/16 x 18			
2-3/16 x 9	036199	TUB-203-TUBRG	12.7
2-3/16 x 18			
2-7/16 x 9	036200	TUB-207-TUBRG	11.4
2-7/16 x 18			



SELECTION/DIMENSIONS

Take-Up Bearings - Type A & B



TYPE TUA

TYPE TUB

Shaft Size x Travel	A	B	C	D	E	F Bolt		G	H	J	K
						No.	Dia.				
15/16 x 5											
1 x 5	2-5/8										
1-3/16 x 5		9-3/4		4-3/4							
1- 1/4 x 5					3-1/2		4				
1-7/16 x 6											
1-7/16 x 12	3-1/8	1218		5-3/45-3/4		55-1/4	4-3/44-3/4	68	3/33/8	11	
1-11/16 x 6											
1-11/16 x 12	3-3/8	1218		5-3/45-3/4		55-1/4	4-3/44-3/4	68	3/83/8	11	
1-15/16 x 9											
1-15/16 x 18	4-1/8	1726		6-3/46-3/4		56	5-3/45-3/4	810	3/83/8	11	
2-3/16 x 9											
2-3/16 x 18	4-7/8	1726		6-3/46-3/4		56	5-3/45-3/4	810	3/83/8	11	
2-7/16 x 9											
2-7/16 x 18	4-7/8	1726		6-3/46-3/4		56	5-3/45-3/4	810	3/83/8	11	

Shaft Size x Travel	L	M	P	R Hex.	S	T	U	Grease Cup	
								Pipe Tap	Size
15/16 x 5									
1 x 5									
1-3/16 x 5	3	2-3/4		1-5/8	1-5/16	3/4	2-7/8	3-27/32	1/8
1- 1/4 x 5									0
1-7/16 x 6									
1-7/16 x 12	3-5/8	3-3/83-3/8		2-1/22-1/2	1-1/2	7/8	3-3/8	4-19/32	1/4
1-11/16 x 6									
1-11/16 x 12	3-3/4	3-5/83-5/8		2-1/22-1/2	1-1/2	7/8	3-5/8	4-31/32	1/4
1-15/16 x 9									
1-15/16 x 18	4-7/8	4-1/24-1/2		3-3/83-3/8	1-5/8	1	4-3/8	6-1/32	1/4
2-3/16 x 9									
2-3/16 x 18	5-1/4	4-3/44-3/4		3-1/83-1/8					1
2-7/16 x 9									
2-7/16 x 18	5-1/4	4-3/44-3/4		3-3/83-3/8	1-5/8	1	5-1/8	6-17/32	1/4

FEATURES/BENEFITS PAGE B19-2	HOW TO ORDER/NOMENCLATURE PAGE B19-7	SELECTION/DIMENSIONS PAGE B19-8
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