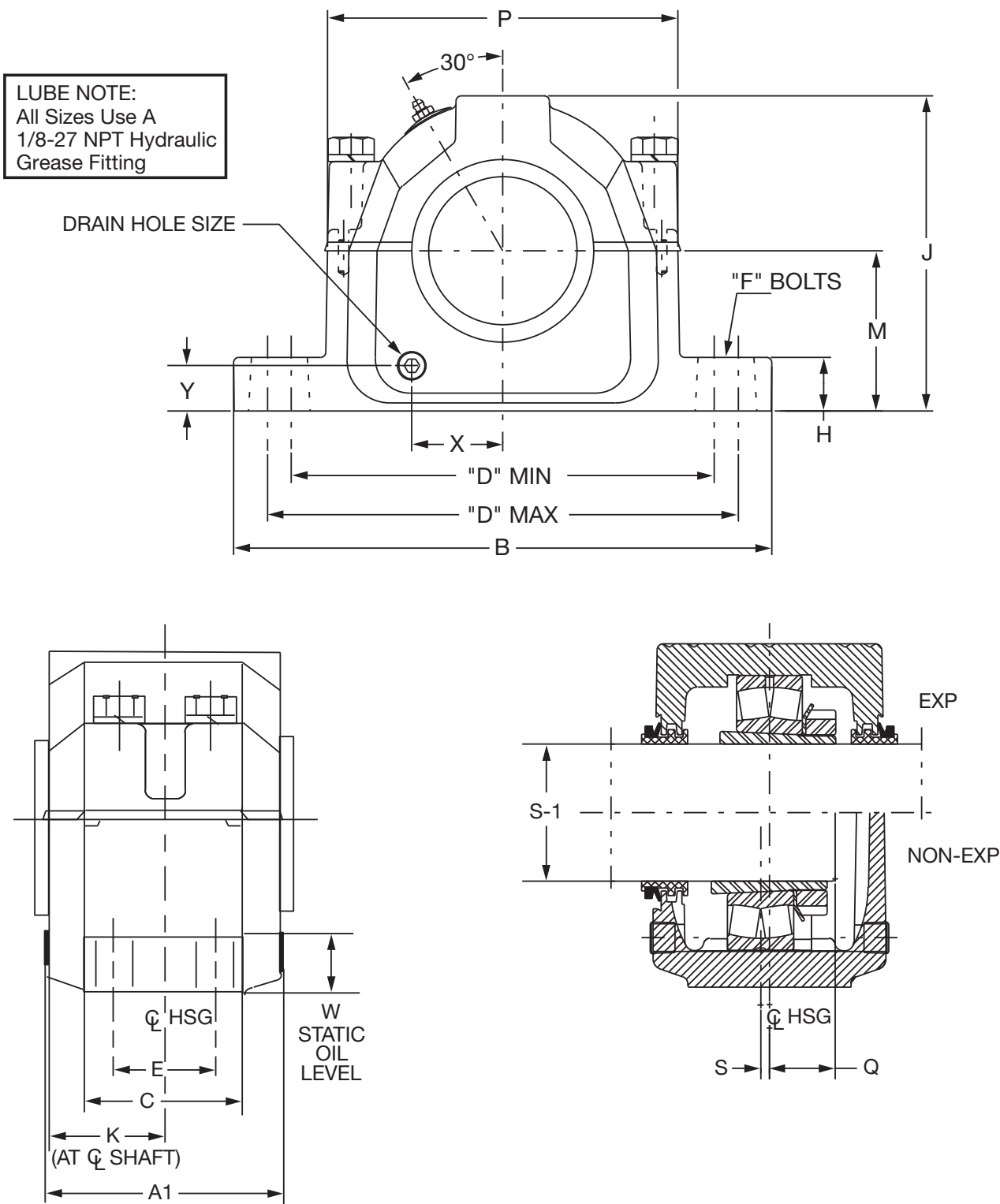


SELECTION/DIMENSIONS



USAF 500 Housing Dimensions



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SELECTION/DIMENSIONS



USAF 500 Housing Dimensions

S-1 Shaft Size	Housing	A1▲	B	C	D				E	F	
					2-Bolt		4-Bolt			Bolt Dia.	
					Min	Max	Min	Max		2-Bolt	4-Bolt
1-7/16	509	3.88	8.25	2.38	6.25	7.00	-	-	-	1/2	
1-11/16	510	4.06	8.25	2.34	6.50	7.00	-	-	-	1/2	
1-15/16	511	4.25	9.63	2.75	7.38	8.25	-	-	-	5/8	
2-3/16	513	4.64	11.00	3.13	8.50	9.50	8.13	9.50	1.88	5/8	1/2
2-7/16 2-1/2	515	5.20	11.13	3.13	8.63	9.63	8.63	9.63	1.88	5/8	1/2
2-11/16 2-3/4	516	5.44	12.59	3.50	9.63	11.00	9.63	11.00	2.13	3/4	5/8
2-15/16 3	517	5.39	12.59	3.50	9.88	11.00	9.88	11.00	2.13	3/4	5/8
3-3/16	518	6.16	13.63	3.88	10.25	11.75	10.38	11.63	2.13	3/4	5/8
3-7/16 3-1/2	520	6.39	15.36	4.34	11.63	13.13	11.63	13.13	2.38	7/8	3/4
3-15/16 4	522	7.16	16.50	4.75	-	-	12.59	14.50	2.75	-	3/4
4-3/16	524	8.05	16.50	4.72	-	-	13.25	14.50	2.75	-	3/4
4-7/16 4-1/2	526	8.27	18.38	5.13	-	-	14.50	16.00	3.25	-	7/8
4-15/16 5	528	8.77	19.69	5.88	-	-	15.63	17.38	3.38	-	1

S-1 Shaft Size	Housing	H	J	K	M	P	Q ★	S ●	W Static Oil Level	X	Y	Drain Hole Size
1-7/16	509	0.88	4.30	1.78	2.25	4.88	1.03	0.13	0.92	1.09	0.63	1/8-27NPSI
1-11/16	510	1.03	4.59	1.88	2.50	5.13	1.11	0.13	1.08	1.25	0.81	1/8-27NPSI
1-15/16	511	1.03	5.25	1.97	2.75	5.78	1.20	0.13	1.16	1.94	0.83	1/8-27NPSI
2-3/16	513	1.03	5.94	2.16	3.00	6.50	1.38	0.16	1.11	1.66	0.78	1/8-27NPSI
2-7/16 2-1/2	515	1.25	6.44	2.31	3.25	7.06	1.39	0.13	1.16	1.78	0.88	1/4-18NPSF
2-11/16 2-3/4	516	1.06	6.75	2.42	3.50	7.94	1.44	0.18	1.25	1.97	0.95	1/4-18NPSF
2-15/16 3	517	1.25	7.38	2.47	3.75	8.19	1.50	0.19	1.38	2.13	1.06	3/8-18NPSF
3-3/16	518	1.44	7.75	2.84	4.00	8.66	1.72	0.19	1.47	2.50	1.13	3/8-18NPSF
3-7/16 3-1/2	520	1.66	8.75	3.16	4.50	9.78	1.92	0.19	1.64	2.63	1.25	3/8-18NPSF
3-15/16 4	522	1.78	9.41	3.30	4.94	10.59	2.09	0.19	1.80	2.88	1.34	3/8-18NPSF
4-3/16	524	1.50	10.25	3.64	5.25	11.25	2.28	0.19	1.84	3.19	1.38	1/2-14NPSF
4-7/16 4-1/2	526	2.06	11.53	3.75	6.00	12.41	2.47	0.19	2.34	3.31	1.63	1/2-14NPSF
4-15/16 5	528	2.06	11.81	4.00	6.00	13.25	2.45	0.19	2.03	3.63	1.47	1/2-14NPSF

▲ Housing width with drain plugs

★ Distance shaft should extend beyond housing centerline if pillow block is closed end style

● Non-expansion bearing offset from centerline. For expansion bearing S = 0

Dowel hole locations for Precision Positioning, see Page B15-24 - B15-25

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