

**Data sheet**

Sheet No.: BHHI 1.01 RevB

Date: September 2011

**BHH Series**

# Torque Ratings – (Hydraulic)

All Published Torques are Guaranteed Minimum Values.

**Double-Acting  
BHH Series**

Actuator Model	Stroke Position	Operating Pressure (PSIG)								
		500	750	1000	1250	1500	1750	2000	2500	3000
		Hydraulic Torque Output (in-lbs)								
BHH125	Start/End/Minimum	283	407	575	735	859	982	1106	1390	1699
BHH250	Start/End/Minimum	575	814	1142	1469	1717	1965	2213	2779	3390
BHH500	Start/End/ Minimum	1142	1637	2292	2947	3434	3930	4425	5567	6780
BHH1000	Start/End/ Minimum	1965	3275	4585	5895	6877	7859	8851	11143	13568
BHH2000	Start/End/ Minimum	4585	6550	9178	11798	13763	15728	17701	22286	27136
BHH4000	Start/End/ Minimum	9178	13108	18356	23596	27535	31464	35403	44581	54282
BHH8000	Start/End/ Minimum	18356	26216	36713	47201	55069	63938	70806	89162	108563
BHH16000	Start/End/ Minimum	36713	52441	73426	94402	110139	125875	141612	178325	217135

**Single-Acting  
BHH Series**

Actuator Model	Spring Torque (in-lbs) Start/Min./End		Operating Pressure (PSIG)								
			500	750	1000	1250	1500	1750	2000	2500	3000
		Hydraulic Torque Output (in-lbs)									
BHHF 125-SR1	Start	336			230	398	522	646	770		
	Min.	266			133	301	416	540	664		
	End	186			27	195	319	443	566		
BHHF 125 - SR2	Start	549			407	531	655	779	1062	1372	
	Min.	407			230	354	478	602	885	1186	
	End	266			44	168	292	416	699	1009	
BHHF 250-SR1	Start	620			425	752	1000	1248	1487		
	Min.	522			310	646	885	1133	1381		
	End	416			204	531	779	1027	1266		
BHHF 250 - SR2	Start	1354				832	1080	1328	1859	2505	
	Min.	894				398	646	894	1469	2071	
	End	575				35	212	460	1036	1637	
BHHF 500-SR1	Start	1319			947	1602	2098	2584	3080		
	Min.	1115			717	1372	1868	2354	2850		
	End	903			487	1142	1637	2124	2620		
Actuator Model	Spring Torque (in-lbs) Start/Min./End		Hydraulic Torque Output (in-lbs)								
			500	750	1000	1250	1500	1750	2000	2500	3000
		Operating Pressure (PSIG)									



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**Data sheet**

Sheet No.: BHHI 1.02 RevB

Date: September 2011

**BHH Series**

**Torque Ratings – (Hydraulic)**

All Published Torques are Guaranteed Minimum Values.

**Single-Acting  
BHH Series (cont.)**

Actuator Model	Spring Torque (in-lbs) Start/Min./End		Operating Pressure (PSIG)								
			500	750	1000	1250	1500	1750	2000	2500	3000
Hydraulic Torque Output (in-lbs)											
BHHF 500 - SR2	Start	2854					1682	2168	2664	3815	5027
	Min.	1912					956	1452	1947	3089	4301
	End	1239					239	726	1221	2372	3585
BHHF 1000-SR1	Start	2797			1921	3231	4204	5195	6187		
	Min.	2319			1398	2717	3700	4862	5664		
	End	1841			855	2195	3177	4160	5142		
BHHF 1000 - SR2	Start	5372				2788	3770	4753	5735	8028	10453
	Min.	4045				1505	2487	3469	4452	6744	9169
	End	2832				221	1204	2186	3169	5461	7231
BHHF 2000-SR1	Start	5585			3824	6443	8408	10373	12347		
	Min.	4478			2859	5487	7452	9417	11382		
	End	3363			1903	4523	6488	8452	10426		
BHHF 2000-SR2	Start	8922				4806	6780	8745	10709	15303	20153
	Min.	7293				2806	4779	6477	8709	13303	18153
	End	5355				805	2779	4744	6709	11302	16153
BHHF 4000-SR1	Start	11134			8364	13612	17542	21481	25410		
	Min.	9134			6196	11444	15374	19312	23242		
	End	7125			4027	9276	13205	17144	21074		
BHHF 4000 - SR2	Start	22569					13373	17312	21242	30420	40120
	Min.	17038					6957	10895	14825	24003	33704
	End	21242					540	4478	8408	17586	27287
BHHF 8000 - SR2	Start	42484					26747	34615	42484	60840	80250
	Min.	31863					16126	23994	31863	50219	69629
	End	21242					5505	10718	21242	39598	59008
BHHF 16000 - SR2	Start	73461					53494	69231	84967	121680	160491
	Min.	57972					32252	47989	63725	100438	139249
	End	42484					11010	26747	24284	79196	118007
Actuator Model	Spring Torque (in-lbs) Start/Min./End		Hydraulic Torque Output (in-lbs)								
			500	750	1000	1250	1500	1750	2000	2500	3000
Operating Pressure (PSIG)											



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