

GD02016

RH/S HYDRAULIC SPRING RETURN - METRIC

MODEL						OUTPUT TORQUES (Nm) at bar											
						MOP (bar):	MAWP (bar):	Stroke Position	Spring	90.0	110.0	130.0	150.0	170.0	190.0	210.0	230.0
RH- 015	-	030	/	C0	210	250	End	32	76	105	133	162	191	220	249		
							Break	49	95	124	153	181	210	239	268		
RH- 015	-	030	/	C1	230	250	End	43	64	89	118	146	174	202	231	259	
							Break	60	83	108	137	165	193	222	250	278	
RH- 015	-	030	/	C2	250	250	End	99				67	95	124	152	180	208
							Break	131				102	130	159	187	215	244
RH- 030	-	035	/	C0	250	250	End	75	64	106	148	190	232	274	316	358	400
							Break	114	107	149	191	233	275	317	359	401	443
RH- 030	-	035	/	C1	230	250	End	138			129	185	241	298	354	410	
							Break	213			213	269	325	381	437	493	
RH- 060	-	045	/	C0	190	250	End	128	241	351	460	569	679	788			
							Break	227	351	461	570	680	789	898			
RH- 060	-	045	/	C1	210	250	End	198	180	277	385	492	599	706	814		
							Break	283	274	371	479	586	693	801	908		
RH- 060	-	045	/	C2	230	250	End	289			228	335	442	549	657	764	
							Break	425			378	486	593	700	808	915	
RH- 120	-	060	/	C0	190	250	End	237	571	805	1,038	1,271	1,505	1,738			
							Break	434	789	1,022	1,255	1,489	1,722	1,956			
RH- 120	-	060	/	C1	190	250	End	312	488	696	925	1,154	1,383	1,612			
							Break	509	705	914	1,142	1,371	1,600	1,829			
RH- 120	-	060	/	C2	210	250	End	466	356	564	793	1,022	1,251	1,480	1,709		
							Break	628	536	744	973	1,202	1,431	1,659	1,888		
RH- 120	-	060	/	C3	210	250	End	519			599	828	1,057	1,286	1,515		
							Break	804			914	1,143	1,372	1,601	1,830		
RH- 240	-	070	/	C0	190	250	End	542	1,154	1,582	2,011	2,440	2,868	3,297			
							Break	701	1,330	1,758	2,187	2,615	3,044	3,473			
RH- 240	-	070	/	C1	190	250	End	628	911	1,294	1,714	2,134	2,554	2,975			
							Break	920	1,234	1,617	2,037	2,457	2,877	3,297			
RH- 240	-	070	/	C2	210	250	End	763	519	902	1,322	1,742	2,162	2,582	3,003		
							Break	1,275	1,085	1,468	1,888	2,308	2,729	3,149	3,569		
RH- 240	-	070	/	C3	210	250	End	1,012			1,286	1,706	2,127	2,547	2,967		
							Break	1,308			1,613	2,033	2,453	2,874	3,294		
RH- 240	-	070	/	C4	230	250	End	1,275			1,289	1,709	2,129	2,549	2,970		
							Break	1,685			1,742	2,162	2,582	3,002	3,423		
RH- 240	-	070	/	C5	230	250	End	1,556			976	1,405	1,834	2,262	2,691		
							Break	2,025			1,495	1,923	2,352	2,780	3,209		
RH- 240	-	090	/	C1	110	250	End	628	2,171	2,879							
							Break	920	2,493	3,202							
RH- 240	-	090	/	C2	110	250	End	763	1,778	2,487							
							Break	1,275	2,345	3,053							
RH- 240	-	090	/	C3	130	250	End	1,012	1,743	2,451	3,160						
							Break	1,308	2,070	2,778	3,486						
RH- 240	-	090	/	C4	130	250	End	1,275	1,325	2,034	2,743						
							Break	1,685	1,778	2,487	3,195						

RH/D HYDRAULIC DOUBLE ACTING- METRIC

MODEL						OUTPUT TORQUES (Nm) at bar											
						MOP (bar):	MAWP (bar):	Stroke Position	Spring	90.0	110.0	130.0	150.0	170.0	190.0	210.0	230.0
RH- 015	-	030	/	D2	170	250	Δ	NA	141	172	203	234	265	296			
RH- 030	-	035	/	D2	130	250	Δ	NA	279	340	402	464					
RH- 060	-	045	/	D2	150	250	Δ	NA	528	644	761	878	995				
RH- 120	-	060	/	D2	130	250	Δ	NA	1,126	1,373	1,622	1,872					
RH- 240	-	070	/	D2	130	250	Δ	NA	2,044	2,493	2,946	3,399					
RH- 240	-	090	/	D2	130	250	Δ	NA	3,379								

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**RH/S HYDRAULIC SPRING RETURN - IMPERIAL**

MODEL						OUTPUT TORQUES (in-lb) at psi											
						MOP (psi):	MAWP (psi):	Stroke Position	Spring	1305	1595	1885	2175	2465	2755	3045	3335
RH-015	-	030	/	C0	3,045	3,625	End	283	673	929	1,177	1,434	1,691	1,947	2,204		
							Break	434	841	1,098	1,354	1,602	1,859	2,115	2,372		
RH-015	-	030	/	C1	3,335	3,625	End	381	566	788	1,044	1,292	1,540	1,788	2,045	2,292	
							Break	531	735	956	1,213	1,460	1,708	1,965	2,213	2,461	
RH-015	-	030	/	C2	3,625	3,625	End	876				593	841	1,098	1,345	1,593	1,841
							Break	1,159				903	1,151	1,407	1,655	1,903	2,160
RH-030	-	035	/	C0	3,625	3,625	End	664	566	938	1,310	1,682	2,053	2,425	2,797	3,169	3,540
							Break	1,009	947	1,319	1,691	2,062	2,434	2,806	3,178	3,549	3,921
RH-030	-	035	/	C1	3,335	3,625	End	1,221			1,142	1,637	2,133	2,638	3,133	3,629	
							Break	1,885			1,885	2,381	2,877	3,372	3,868	4,364	
RH-060	-	045	/	C0	2,755	3,625	End	1,133	2,133	3,107	4,071	5,036	6,010	6,975			
							Break	2,009	3,107	4,080	5,045	6,019	6,983	7,948			
RH-060	-	045	/	C1	3,045	3,625	End	1,752	1,593	2,452	3,408	4,355	5,302	6,249	7,205		
							Break	2,505	2,425	3,284	4,240	5,187	6,134	7,090	8,037		
RH-060	-	045	/	C2	3,335	3,625	End	2,558			2,018	2,965	3,912	4,859	5,815	6,762	
							Break	3,762			3,346	4,302	5,249	6,196	7,152	8,099	
RH-120	-	060	/	C0	2,755	3,625	End	2,098	5,054	7,125	9,187	11,250	13,321	15,383			
							Break	3,841	6,983	9,046	11,108	13,179	15,241	17,313			
RH-120	-	060	/	C1	2,755	3,625	End	2,762	4,319	6,160	8,187	10,214	12,241	14,268			
							Break	4,505	6,240	8,090	10,108	12,135	14,162	16,188			
RH-120	-	060	/	C2	3,045	3,625	End	4,125	3,151	4,992	7,019	9,046	11,073	13,099	15,126		
							Break	5,558	4,744	6,585	8,612	10,639	12,666	14,684	16,711		
RH-120	-	060	/	C3	3,045	3,625	End	4,594			5,302	7,329	9,356	11,382	13,409		
							Break	7,116			8,090	10,117	12,144	14,170	16,197		
RH-240	-	070	/	C0	2,755	3,625	End	4,797	10,214	14,002	17,799	21,596	25,385	29,182			
							Break	6,205	11,772	15,560	19,357	23,145	26,942	30,740			
RH-240	-	070	/	C1	2,755	3,625	End	5,558	8,063	11,453	15,171	18,888	22,605	26,332			
							Break	8,143	10,922	14,312	18,029	21,747	25,464	29,182			
RH-240	-	070	/	C2	3,045	3,625	End	6,753	4,594	7,984	11,701	15,418	19,136	22,853	26,580		
							Break	11,285	9,603	12,993	16,711	20,428	24,154	27,872	31,589		
RH-240	-	070	/	C3	3,045	3,625	End	8,957			11,382	15,100	18,826	22,543	26,261		
							Break	11,577			14,277	17,994	21,712	25,438	29,155		
RH-240	-	070	/	C4	3,335	3,625	End	11,285			11,409	15,126	18,844	22,561	26,287		
							Break	14,914			15,418	19,136	22,853	26,571	30,297		
RH-240	-	070	/	C5	3,335	3,625	End	13,772			8,639	12,436	16,233	20,021	23,818		
							Break	17,923			13,232	17,020	20,818	24,606	28,403		
RH-240	-	090	/	C1	1,595	3,625	End	5,558	19,216	25,482							
							Break	8,143	22,066	28,341							
RH-240	-	090	/	C2	1,595	3,625	End	6,753	15,737	22,012							
							Break	11,285	20,756	27,022							
RH-240	-	090	/	C3	1,885	3,625	End	8,957	15,427	21,694	27,969						
							Break	11,577	18,322	24,588	30,855						
RH-240	-	090	/	C4	1,885	3,625	End	11,285	11,728	18,003	24,278						
							Break	14,914	15,737	22,012	28,279						

**RH/D HYDRAULIC DOUBLE ACTING-IMPERIAL**

MODEL						OUTPUT TORQUES (in-lb) at psi											
						MOP (psi):	MAWP (psi):	Stroke Position	Spring	1,305	1,595	1,885	2,175	2,465	2,755	3,045	3,335
RH-015	-	030	/	D2	2,465	3,625	Δ	NA	1,248	1,522	1,797	2,071	2,346	2,620			
RH-030	-	035	/	D2	1,885	3,625	Δ	NA	2,469	3,009	3,558	4,107					
RH-060	-	045	/	D2	2,175	3,625	Δ	NA	4,673	5,700	6,736	7,771	8,807				
RH-120	-	060	/	D2	1,885	3,625	Δ	NA	9,966	12,152	14,356	16,569					
RH-240	-	070	/	D2	1,885	3,625	Δ	NA	18,091	22,066	26,075	30,085					
RH-240	-	090	/	D2	1,885	3,625	Δ	NA	29,908								

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