

Series	Group	Clamp Collar			Cartridge			Pedestal Housing Cap			Flange Housing		
		Bolt	Key Size	Torque (ft-lbs)	Bolt	Key Size	Torque (ft-lbs)	Bolt	Key Size	Torque (ft-lbs)	Bolt	Key Size	Torque (ft-lbs)
S1	108	#10-32 UNF	5/32	3.1	#10-24 UNC	5/32	2.8	5/16-18 UNC	1/4	14			
S1	200	#10-32 UNF	5/32	3.1	#10-24 UNC	5/32	2.8	5/16-18 UNC	1/4	14	5/16-18 UNC	1/4	14
S1	208	#10-32 UNF	5/32	3.1	#10-24 UNC	5/32	2.8	3/8-16 UNC	5/16	24	3/8-16 UNC	5/16	24
S2		1/4-28 UNF	3/16	7.5	5/16-18 UNC	1/4	14	7/16-14 UNC	3/8	39	7/16-14 UNC	3/8	39
S1	300	#10-32 UNF	5/32	3.1	#10-24 UNC	5/32	2.8	7/16-14 UNC	3/8	39	7/16-14 UNC	3/8	39
S2		1/4-28 UNF	3/16	7.5	5/16-18 UNC	1/4	14	5/8-11 UNC	1/2	120	1/2-13 UNC	3/8	68
S1	308	1/4-28 UNF	3/16	7.5	1/4-20 UNC	3/16	6.6	5/8-11 UNC	1/2	120	1/2-13 UNC	3/8	68
S2		1/4-28 UNF	3/16	7.5	5/16-18 UNC	1/4	14	5/8-11 UNC	1/2	120	1/2-13 UNC	3/8	68
S1	400	1/4-28 UNF	3/16	7.5	1/4-20 UNC	3/16	6.6	5/8-11 UNC	1/2	120	1/2-13 UNC	3/8	68
S2		1/4-28 UNF	3/16	7.5	5/16-18 UNC	1/4	14	3/4-10 UNC	5/8	208	5/8-11 UNC	1/2	120
S1	408	1/4-28 UNF	3/16	7.5	1/4-20 UNC	3/16	6.6	3/4-10 UNC	5/8	208	5/8-11 UNC	1/2	120
S2		5/16-24 UNF	1/4	15	5/16-18 UNC	1/4	14	7/8-9 UNC	3/4	335	5/8-11 UNC	1/2	120
S1	500	1/4-28 UNF	3/16	7.5	1/4-20 UNC	3/16	6.6	7/8-9 UNC	3/4	386	5/8-11 UNC	1/2	120
S2		3/8-24 UNF	5/16	27	3/8-16 UNC	5/16	24	1-8 UNC	3/4	541	3/4-10 UNC	5/8	208
S1	508	5/16-24 UNF	1/4	15	5/16-18 UNC	1/4	14	7/8-9 UNC	3/4	386	5/8-11 UNC	1/2	120
S2		3/8-24 UNF	5/16	27	3/8-16 UNC	5/16	24	7/8-9 UNC	3/4	386	3/4-10 UNC	5/8	208
S1	600	5/16-24 UNF	1/4	15	5/16-18 UNC	1/4	14	1-8 UNC	3/4	541	3/4-10 UNC	5/8	208
S2		3/8-24 UNF	5/16	27	3/8-16 UNC	5/16	24	1-8 UNC	3/4	541	3/4-10 UNC	5/8	208
S3		3/8-24 UNF	5/16	27	3/8-16 UNC	5/16	24	3/4-10 UNC	5/8	208			
S1	608	3/8-24 UNF	5/16	27	3/8-16 UNC	5/16	24	3/4-10 UNC	5/8	208	3/4-10 UNC	5/8	208
S2		3/8-24 UNF	5/16	27	3/8-16 UNC	5/16	24	1-8 UNC	3/4	541	7/8-9 UNC	3/4	386
S3		1/2-20 UNF	3/8	66	1/2-13 UNC	3/8	59	3/4-10 UNC	5/8	208			
S1	700	3/8-24 UNF	5/16	27	3/8-16 UNC	5/16	24	7/8-9 UNC	3/4	386	3/4-10 UNC	5/8	208
S2		3/8-24 UNF	5/16	27	3/8-16 UNC	5/16	24	1-8 UNC	3/4	541	7/8-9 UNC	3/4	386
S3		1/2-20 UNF	3/8	66	1/2-13 UNC	3/8	59	1-8 UNC	3/4	541			

Note: If bolt is lubricated, reduce torque by 10%

# Torque Specifications

Series	Group	Clamp Collar			Cartridge			Pedestal Housing Cap			Flange Housing		
		Bolt	Key Size	Torque (ft-lbs)	Bolt	Key Size	Torque (ft-lbs)	Bolt	Key Size	Torque (ft-lbs)	Bolt	Key Size	Torque (ft-lbs)
S1	800	3/8-24 UNF	5/16	27	3/8-16 UNC	5/16	24	7/8-9 UNC	3/4	386	7/8-9 UNC	3/4	386
S2		1/2-20 UNF	3/8	66	1/2-13 UNC	3/8	59	1-8 UNC	3/4	541	7/8-9 UNC	3/4	386
S3		1/2-20 UNF	3/8	66	1/2-13 UNC	3/8	59	1-8 UNC	3/4	541			
S1	900	3/8-24 UNF	5/16	27	3/8-16 UNC	5/16	24	7/8-9 UNC	3/4	386	7/8-9 UNC	3/4	386
S2		1/2-20 UNF	3/8	66	1/2-13 UNC	3/8	59	1-8 UNC	3/4	541	1-8 UNC	3/4	541
S3		5/8-18 UNF	1/2	133	5/8-11 UNC	1/2	120	1-8 UNC	3/4	541			
S1	1000	3/8-24 UNF	5/16	27	3/8-16 UNC	5/16	24	7/8-9 UNC	3/4	386	7/8-9 UNC	3/4	386
S2		1/2-20 UNF	3/8	66	1/2-13 UNC	3/8	59	1-8 UNC	3/4	541	1-8 UNC	3/4	541
S3		5/8-18 UNF	1/2	133	5/8-11 UNC	1/2	120	1-8 UNC	3/4	541			
S1	1100	7/16-20 UNF	3/8	43	1/2-13 UNC	3/8	59	1-8 UNC	3/4	541	1-8 UNC	3/4	541
S2		5/8-18 UNF	1/2	133	1/2-13 UNC	3/8	59	1 1/4-7 UNC	7/8	927	1-8 UNC	3/4	541
S3		7/8-14 UNF	3/4	369	5/8-11 UNC	1/2	120	1 1/4-7 UNC	7/8	927			
S1	1200	1/2-20 UNF	3/8	66	1/2-13 UNC	3/8	68	1-8 UNC	3/4	541	1-8 UNC	3/4	541
S2		5/8-18 UNF	1/2	133	1/2-13 UNC	3/8	63	1 1/4-7 UNC	7/8	927	1-8 UNC	3/4	541
S3		7/8-14 UNF	3/4	369	5/8-11 UNC	1/2	120	1 1/4-7 UNC	7/8	927			
S1	1300	3/8-24 UNF	5/16	27	1/2-13 UNC	3/8	59	1-8 UNC	3/4	541	1-8 UNC	3/4	541
S2		5/8-18 UNF	1/2	133	5/8-11 UNC	1/2	120	1 1/4-7 UNC	7/8	927	1-8 UNC	3/4	541
S3		7/8-14 UNF	3/4	369	5/8-11 UNC	1/2	120	1 1/4-7 UNC	7/8	927			
S1	1400	3/8-24 UNF	5/16	27	5/8-11 UNC	1/2	120	1-8 UNC	3/4	541	1-8 UNC	3/4	541
S2		5/8-18 UNF	1/2	133	5/8-11 UNC	1/2	120	1 1/4-7 UNC	7/8	927	1-8 UNC	3/4	541
S3		7/8-14 UNF	3/4	369	5/8-11 UNC	1/2	120	1 1/4-7 UNC	7/8	927			
S1	1500	7/16-20 UNF	3/8	43	5/8-11 UNC	1/2	120	1-8 UNC	3/4	541	1-8 UNC	3/4	541
S2		5/8-18 UNF	1/2	133	5/8-11 UNC	1/2	120	1 1/4-7 UNC	7/8	927	1-8 UNC	3/4	541
S3		7/8-14 UNF	3/4	369	5/8-11 UNC	1/2	120	1 1/4-7 UNC	7/8	927			
S1	1600	7/16-20 UNF	3/8	43	5/8-11 UNC	1/2	120	1-8 UNC	3/4	541	1-8 UNC	3/4	541
S2		5/8-18 UNF	1/2	133	5/8-11 UNC	1/2	120	1 1/4-7 UNC	7/8	927	1-8 UNC	3/4	541

Note: If bolt is lubricated, reduce torque by 10%