

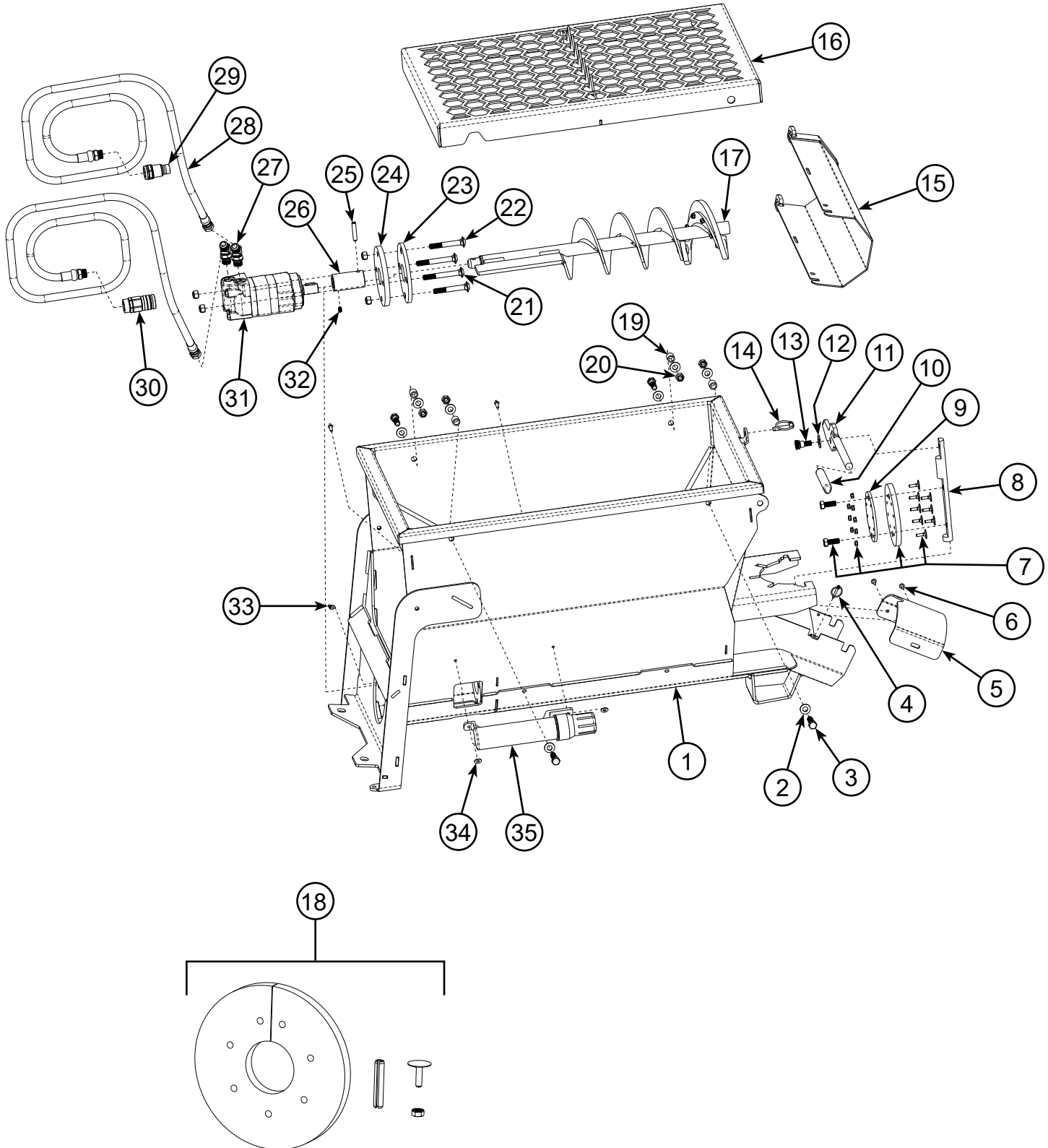
Torque Values Chart

Torque Values Chart																	
Bolt Size (inches)	Bolt Head Identification								Bolt Size (Metric)	Bolt Head Identification							
																	
	Grade 2	Grade 5	Grade 8	ASTM A574						Class 5.8	Class 8.8	Class 10.9	Class 12.9				
in-tpi	Nm	ft.-lb.	Nm	ft.-lb.	Nm	ft.-lb.	Nm	ft.-lb.	mm x pitch	Nm	ft.-lb.	Nm	ft.-lb.	Nm	ft.-lb.	Nm	ft.-lb.
1/4"-20	7.4	5.6	11	8	16	12	19	14	M5 x 0.8	4	3	6	5	9	7	11	8
1/4"-28	8.5	6	13	10	18	14	22	16	M6 x 1	7	5	11	8	15	11	18	13
5/16"-18	15	11	24	17	33	25	39	29	M8 x 1.25	17	12	26	19	36	27	42	31
5/16"-24	17	13	26	19	37	27	43	32	M8 x 1	18	13	28	21	39	29	46	34
3/8"-16	27	20	42	31	59	44	69	51	M10 x 1.5	33	24	52	39	72	53	84	62
3/8"-24	31	22	47	35	67	49	79	58	M10 x 0.75	39	29	61	45	85	62	98	72
7/16"-14	43	32	67	49	95	70	110	81	M12 x 1.75	58	42	91	67	125	93	148	109
7/16"-20	49	36	75	55	105	78	123	91	M12 x 1.5	60	44	95	70	130	97	153	113
1/2"-13	66	49	105	76	145	105	168	124	M12 x 1	90	66	105	77	145	105	167	123
1/2"-20	75	55	115	85	165	120	190	140	M14 x 2	92	68	145	105	200	150	235	173
Torque Values Chart																	
9/16"-12	95	70	150	110	210	155	235	173	M14 x 1.5	99	73	155	115	215	160	254	187
9/16"-18	105	79	165	120	235	170	262	193	M16 x 2	145	105	225	165	315	230	365	269
5/8"-11	130	97	205	150	285	210	323	238	M16 x 1.5	155	115	240	180	335	245	388	286
5/8"-18	150	110	230	170	325	240	366	270	M18 x 2.5	195	145	310	230	405	300	504	372
3/4"-10	235	170	360	265	510	375	574	423	M18 x 1.5	220	165	350	260	485	355	561	414
3/4"-16	260	190	405	295	570	420	640	472	M20 x 2.5	280	205	440	325	610	450	712	525
7/8"-9	225	165	585	430	820	605	925	682	M20 x 1.5	310	230	650	480	900	665	1052	776
7/8"-14	250	185	640	475	905	670	1020	752	M24 x 3	480	355	760	560	1050	780	1231	908
1"-8	340	250	875	645	1230	910	1386	1022	M24 x 2	525	390	830	610	1150	845	1337	986
1"-12	370	275	955	705	1350	995	1555	1147	M30 x 3.5	960	705	1510	1120	2100	1550	2447	1805
1-1/8"-7	480	355	1080	795	1750	1290	1971	1454	M30 x 2	1060	785	1680	1240	2320	1710	2706	1996
1-1/8"-12	540	395	1210	890	1960	1440	2202	1624	M36 x 3.5	1730	1270	2650	1950	3660	2700	4272	3151
1-1/4"-7	680	500	1520	1120	2460	1820	2771	2044	M36 x 2	1880	1380	2960	2190	4100	3220	5095	3758
1-1/4"-12	750	555	1680	1240	2730	2010	3068	2263	KEY: in-tpi = nominal thread diameter in inches-threads per inch Nm = Newton-meter ft.-lb. = foot pounds mm x pitch = nominal thread diameter in millimeters by thread pitch								
1-3/8"-6	890	655	1990	1470	3230	2380	3638	2683									
1-3/8"-12	1010	745	2270	1670	3680	2710	4143	3056									
1-1/2"-6	1180	870	2640	1950	4290	3160	4823	3557									
1-1/2"-12	1330	980	2970	2190	4820	3560	5426	4002									
Torque tolerance +0%, -15% of torque values. Unless otherwise specified, use torque values listed above.																	

Parts

⚠ CALIFORNIA WARNING

This product can expose you to chemicals including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



Parts

	REF. NO.	PART NO.	DESCRIPTION	QTY.
(continued)	1	230470S	Hopper - Service	1
	2	21156	Flat Washer (1/2")	8
	3	933	Hex Cap Screw (1/2"-13 x 1.75", Gr. 5)	4
	4	7637	Klik Pin Assembly	1
	5	256026	Discharge Rubber Flap	1
	6	176033	Drive Rivet	4
	7	230458	Gate Seal Kit	1
	8	230446	Gate Seal Rod	1
	9	230447	Plate	1
	10	186060	Handle Grip	1
	11	230448S	Handle (Includes REF. NO. 10)	1
	12	1054	Flat Washer (5/8")	1
	13	246135	Shoulder Bolt (1/2"-13, Ø 5/8" x 1/2" L)	1
	14	1533	Klik Pin Assembly	1
	15	11019	Chute - 24"	1
	16	230490	Safety Grate	1
	17	230485	Auger Assembly	1
	18	*230469	Mini Auger Rubber Replacement Kit	1
	19	230493	Tube	4
	20	10125	Toplock Nut (1/2"-13)	8
	21	246004	Carriage Bolt (1/2"-13 x 4", Gr. 5)	2
	22	246005	Carriage Bolt (1/2"-13 x 3.5", Gr. 5)	2
	23	230441	Seal Retaining Plate	1
	24	230440	Seal	1
	25	11038	Roll Pin (3/8" x 2")	1
	26	230442	Hub	1
	27	10040	Adapter, 45° (#10 JIC M to #10 ORB M)	2
	28	206031	1/2" Hose Assembly Kit (#10 JIC F to #10 ORB M) (Includes two hoses)	1
	29	10048	Male Coupler (1/2" flush-face, ISO 16028)	1
	30	10049	Female Coupler (1/2" flush-face, ISO 16028)	1
	31	246008	Hydraulic Motor	1
	32	246002	Set Screw (5/16"-18 x 1/2")	1
	33	246029	Grease Fitting, 45°	1
	34	21056	Flat Washer (1/4")	2
	35	21258	Operator's Manual Canister	1

* Not included with base model.

Accessories

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Chute - 24"

PN 11019 - Chute can be linked to extend length.

