



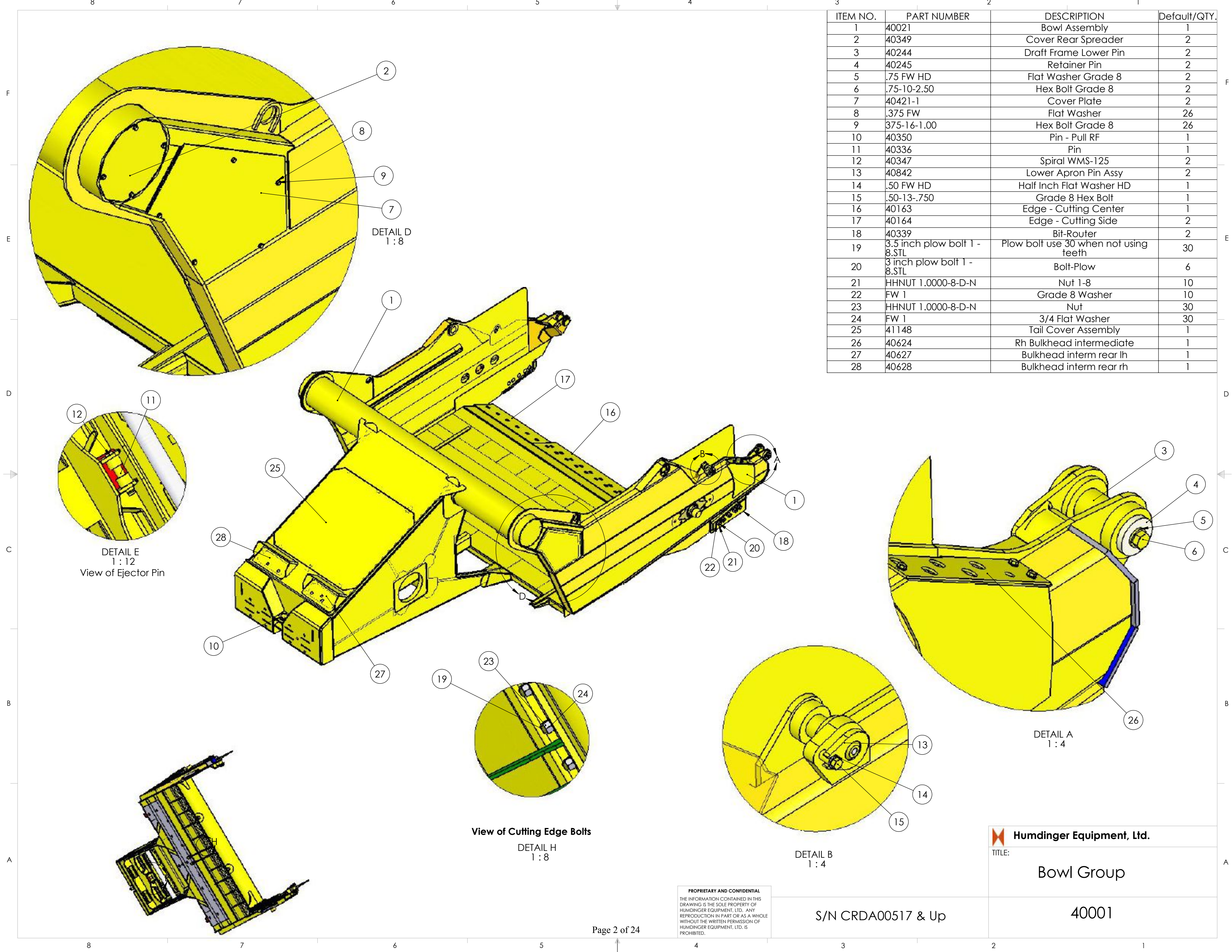
Parts Book

619 GS

SERIAL NUMBERS

CRDA00517 – CRDA00528

Version 4-08



ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.
1	40021	Bowl Assembly	1
2	40349	Cover Rear Spreader	2
3	40244	Draft Frame Lower Pin	2
4	40245	Retainer Pin	2
5	.75 FW HD	Flat Washer Grade 8	2
6	.75-10-2.50	Hex Bolt Grade 8	2
7	40421-1	Cover Plate	2
8	.375 FW	Flat Washer	26
9	375-16-1.00	Hex Bolt Grade 8	26
10	40350	Pin - Pull RF	1
11	40336	Pin	1
12	40347	Spiral WMS-125	2
13	40842	Lower Apron Pin Assy	2
14	.50 FW HD	Half Inch Flat Washer HD	1
15	.50-13-.750	Grade 8 Hex Bolt	1
16	40163	Edge - Cutting Center	1
17	40164	Edge - Cutting Side	2
18	40339	Bit-Router	2
19	3.5 inch plow bolt 1 - 8.STL	Plow bolt use 30 when not using teeth	30
20	3 inch plow bolt 1 - 8.STL	Bolt-Plow	6
21	HHNUT 1.0000-8-D-N	Nut 1-8	10
22	FW 1	Grade 8 Washer	10
23	HHNUT 1.0000-8-D-N	Nut	30
24	FW 1	3/4 Flat Washer	30
25	41148	Tail Cover Assembly	1
26	40624	Rh Bulkhead intermediate	1
27	40627	Bulkhead interm rear lh	1
28	40628	Bulkhead interm rear rh	1

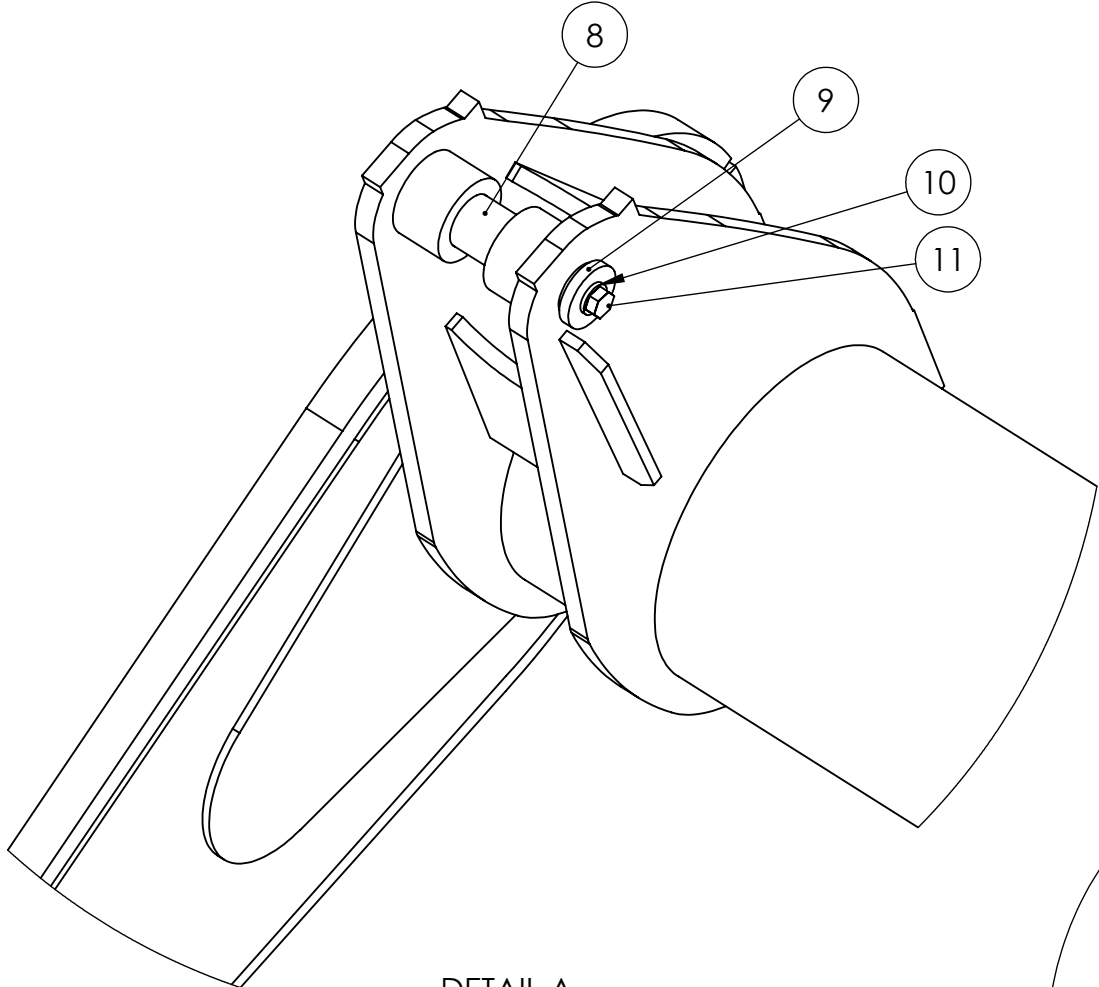
Humdinger Equipment, Ltd.
 TITLE:
Bowl Group

S/N CRDA00517 & Up

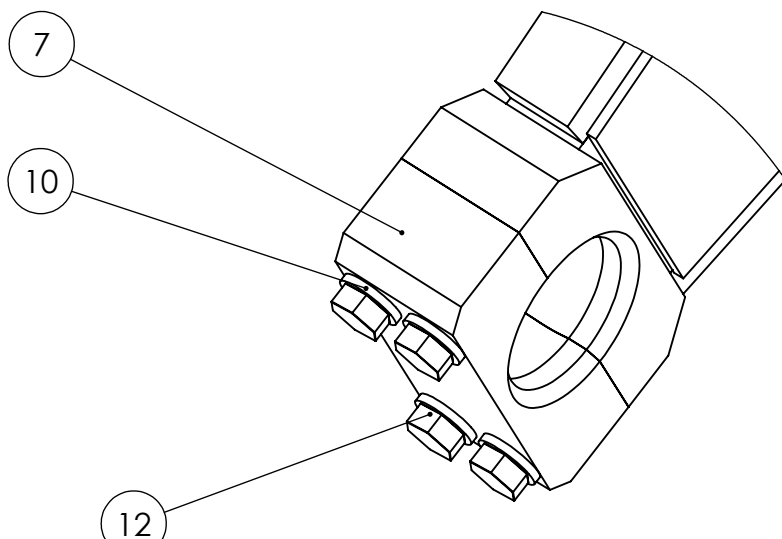
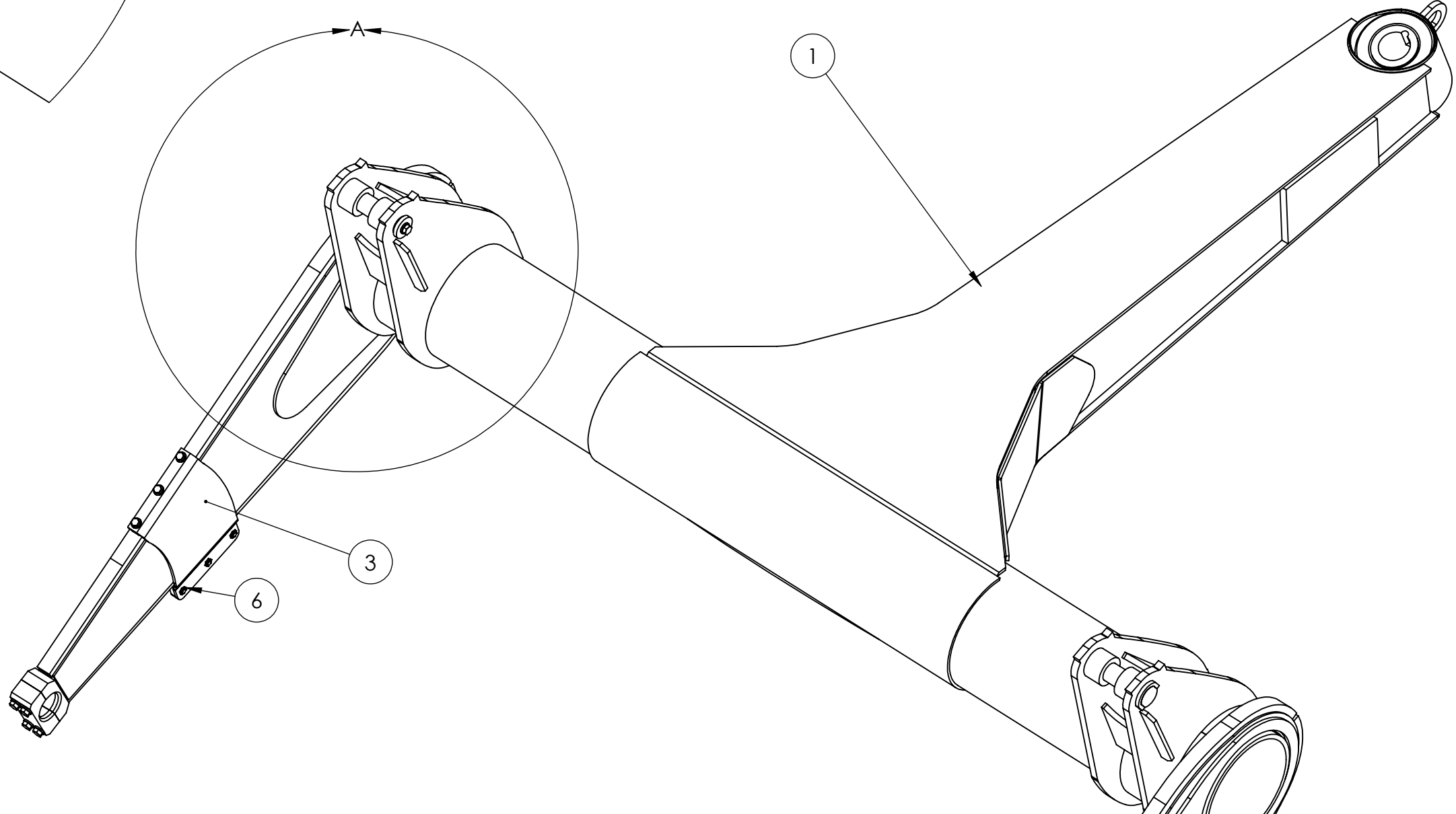
40001

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	40918	Draft Frame As.--High Tube	1
2	41512	Wear Pad--RHS	1
3	41516	Wear Pad LHS	1
4	.625 FWN	Flat Washer Grade 8	12
5	.625-11-1.50	Hex Bolt Grade 8	12
6	.625-11 Nut	Hex Nut Grade 8	6
7	40171	Trunnion Cap	2
8	40243	Draft Frame Upper Pin	2
9	40245	Retainer Pin	2
10	.75 FW HD	Flat Washer Grade 8	10
11	.75-10-3.00	Hex Bolt Grade 8	2
12	.75-10-3.50	Hex Bolt Grade 8	8



DETAIL A
1:8



DETAIL B
1:4

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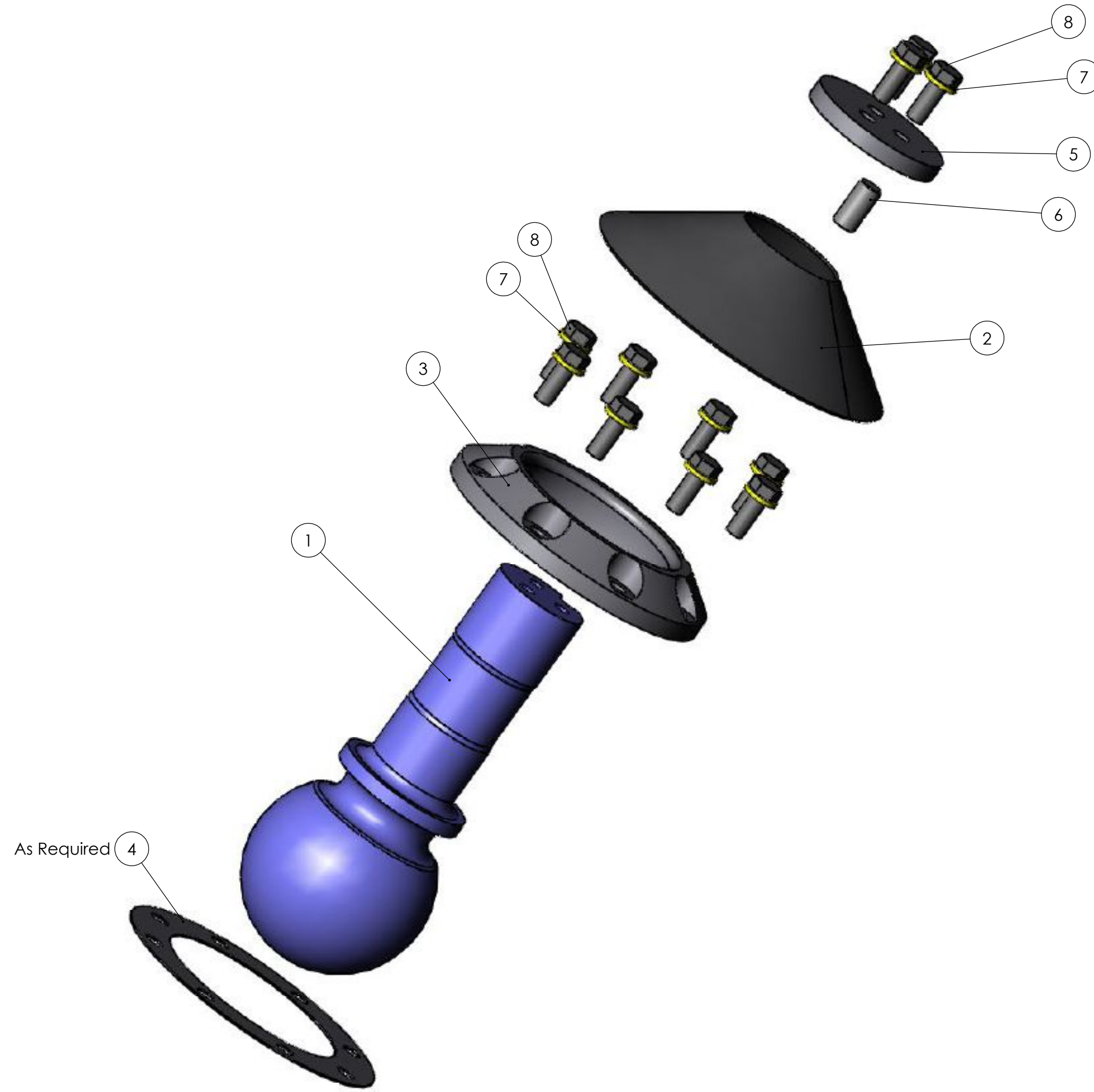
S/N CRDA00517 & Up

Humdingler Equipment, Ltd.

TITLE:
Draft Frame Group

41762 PB

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	41450	Hitch Ball 8 IN	1
2	41503	Buna Black Cone	1
3	41451	Retainer Ring - Hitch 8 IN	1
4	41453	Hitch Receiver Shim 8 IN	2
5	40034	Retainer DF Nose	1
6	40500	Retainer-Hitch Ball	1
7	.75 FW HD	Flat Washer Grade 8	11
8	.75-10-2.00	Hex Bolt Grade 8	11



Humdinger Equipment, Ltd.

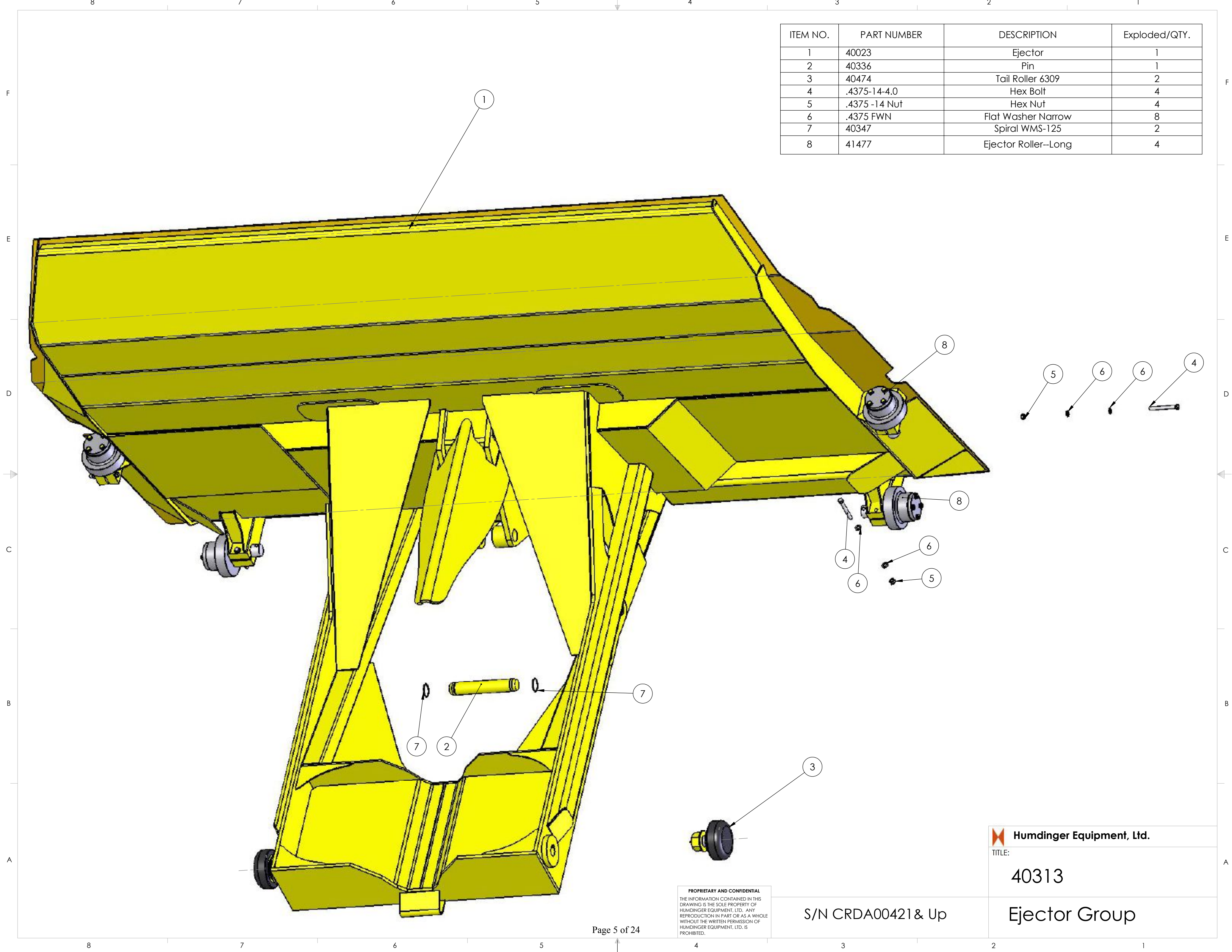
TITLE:
8 Inch Hitch Ball Group

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S/N CRDA00421 & Up

41761

ITEM NO.	PART NUMBER	DESCRIPTION	Exploded/QTY.
1	40023	Ejector	1
2	40336	Pin	1
3	40474	Tail Roller 6309	2
4	.4375-14-4.0	Hex Bolt	4
5	.4375-14 Nut	Hex Nut	4
6	.4375 FWN	Flat Washer Narrow	8
7	40347	Spiral WMS-125	2
8	41477	Ejector Roller--Long	4



 **Humdinger Equipment, Ltd.**

TITLE:

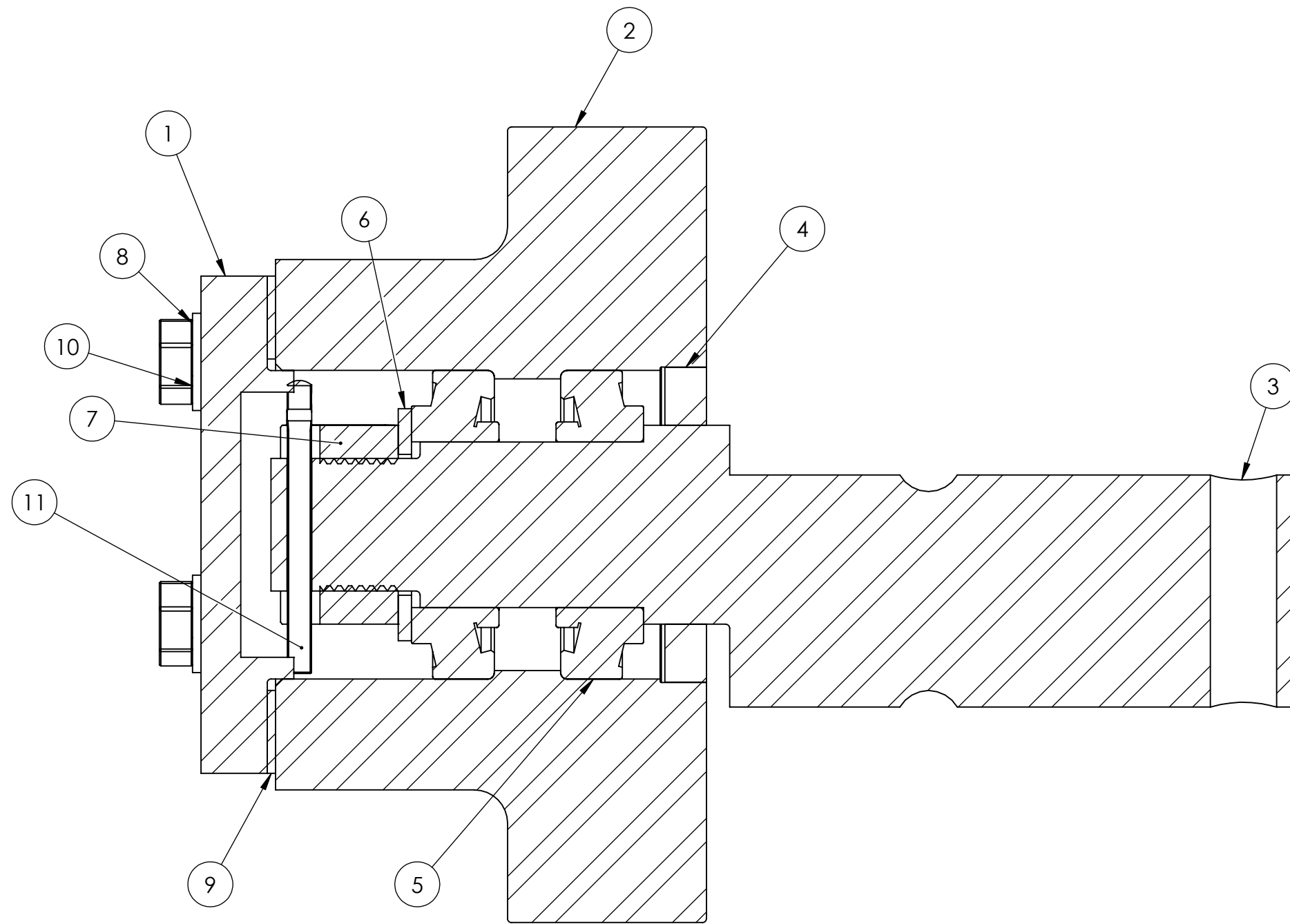
40313

Ejector Group

S/N CRDA00421 & Up

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	41479	Cover-Roller Ejector	1
2	41478	Roller-Ejector Roller	1
3	40863	Shaft-Ejector Roller	1
4	40860	Seal 14994	1
5	40858	Bearing LM67048-LM67010	2
6	40864	Washer	1
7	HSNUT 1.0000-12-D-N	Slotted Hex Nut 1-14	1
8	.375 FW	Flat Washer	4
9	41636	Gasket	1
10	375-16-1.00	Hex Bolt Grade 8	4
11	40892	Cotter	1



Replaces 40862
Will Fit CRDA00421 & Up

 **Humdinger Equipment, Ltd.**

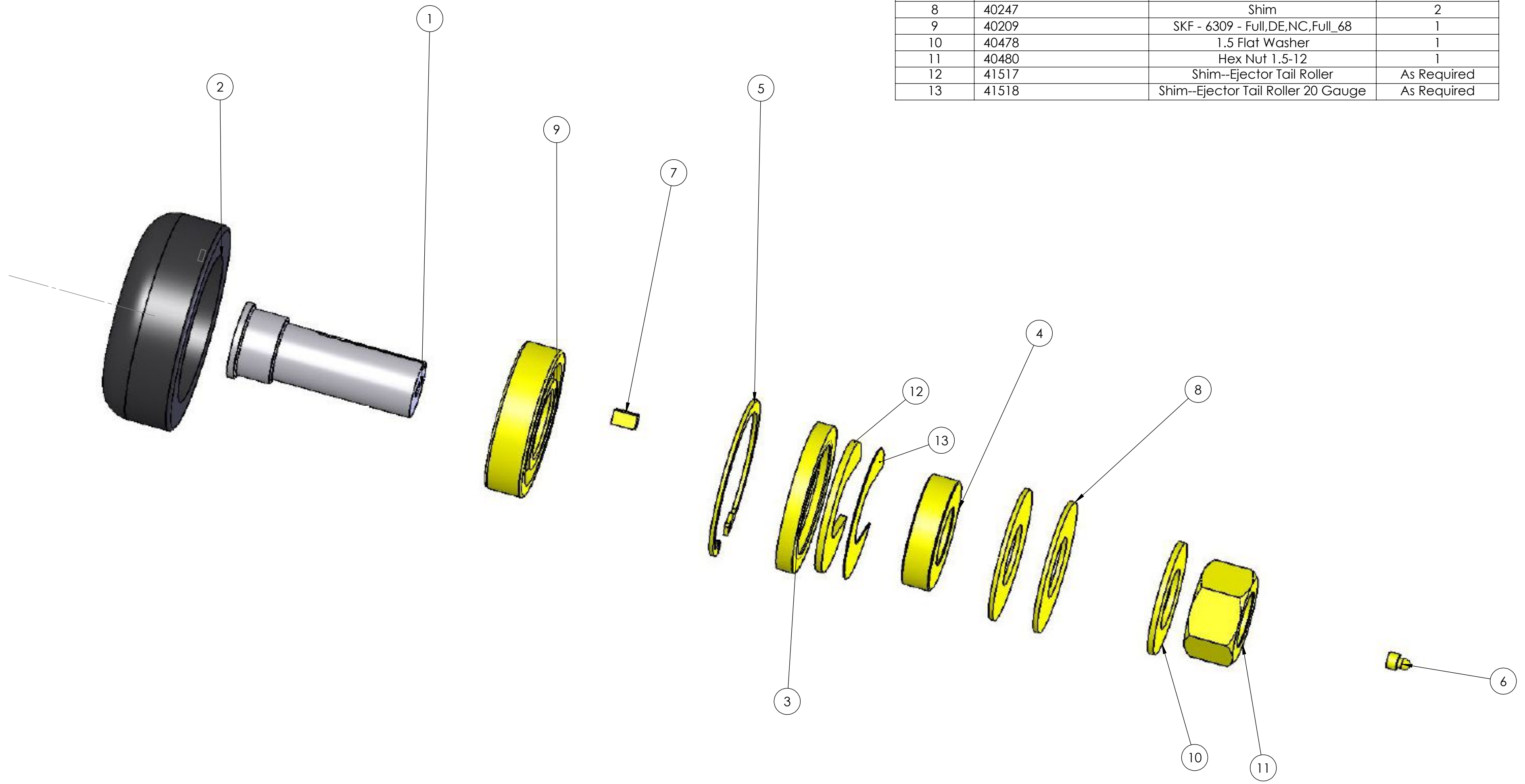
TITLE:
Ejector Roller--Long

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S/N CRDA00517 & Up

41477 PB

ITEM NO.	PART NUMBER	DESCRIPTION	Exploded View/QTY.
1	40473	Shaft-6309	1
2	40475	Ejector Tail Roller 6309	1
3	40476	Seal 29273	1
4	40477	Spacer 6309 Tail Roller	1
5	40481	Truarc N5000-393 - S3.938	1
6	40709	125 grease zerk	1
7	40494	Key	1
8	40247	Shim	2
9	40209	SKF - 6309 - Full,DE,NC,Full_68	1
10	40478	1.5 Flat Washer	1
11	40480	Hex Nut 1.5-12	1
12	41517	Shim--Ejector Tail Roller	As Required
13	41518	Shim--Ejector Tail Roller 20 Gauge	As Required



Item 8 Is Two Max

 Humdinger Equipment, Ltd.

TITLE:

40474

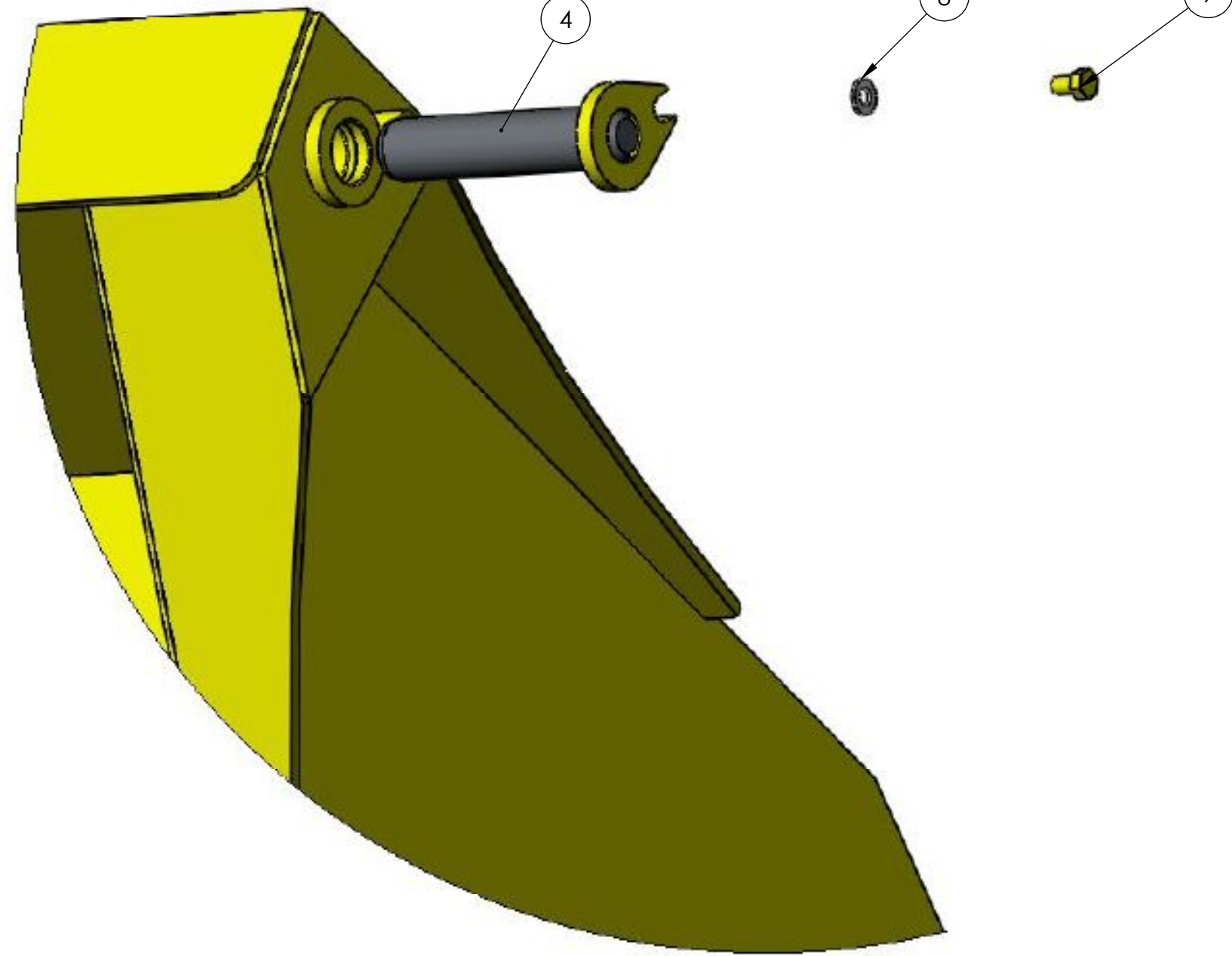
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S/N CRDA00421 & Up

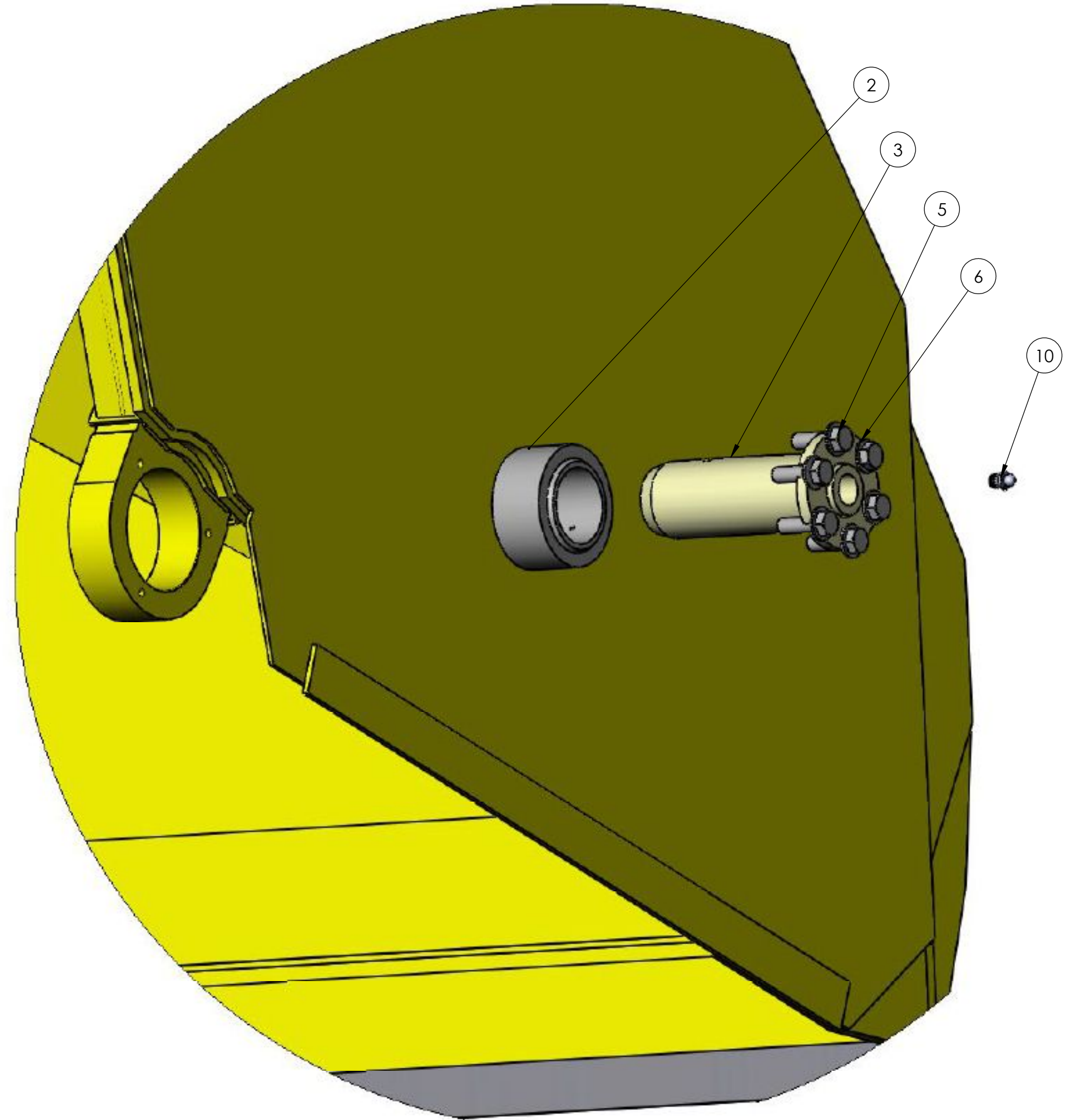
Ejector Tail Roller As.

BOM Table

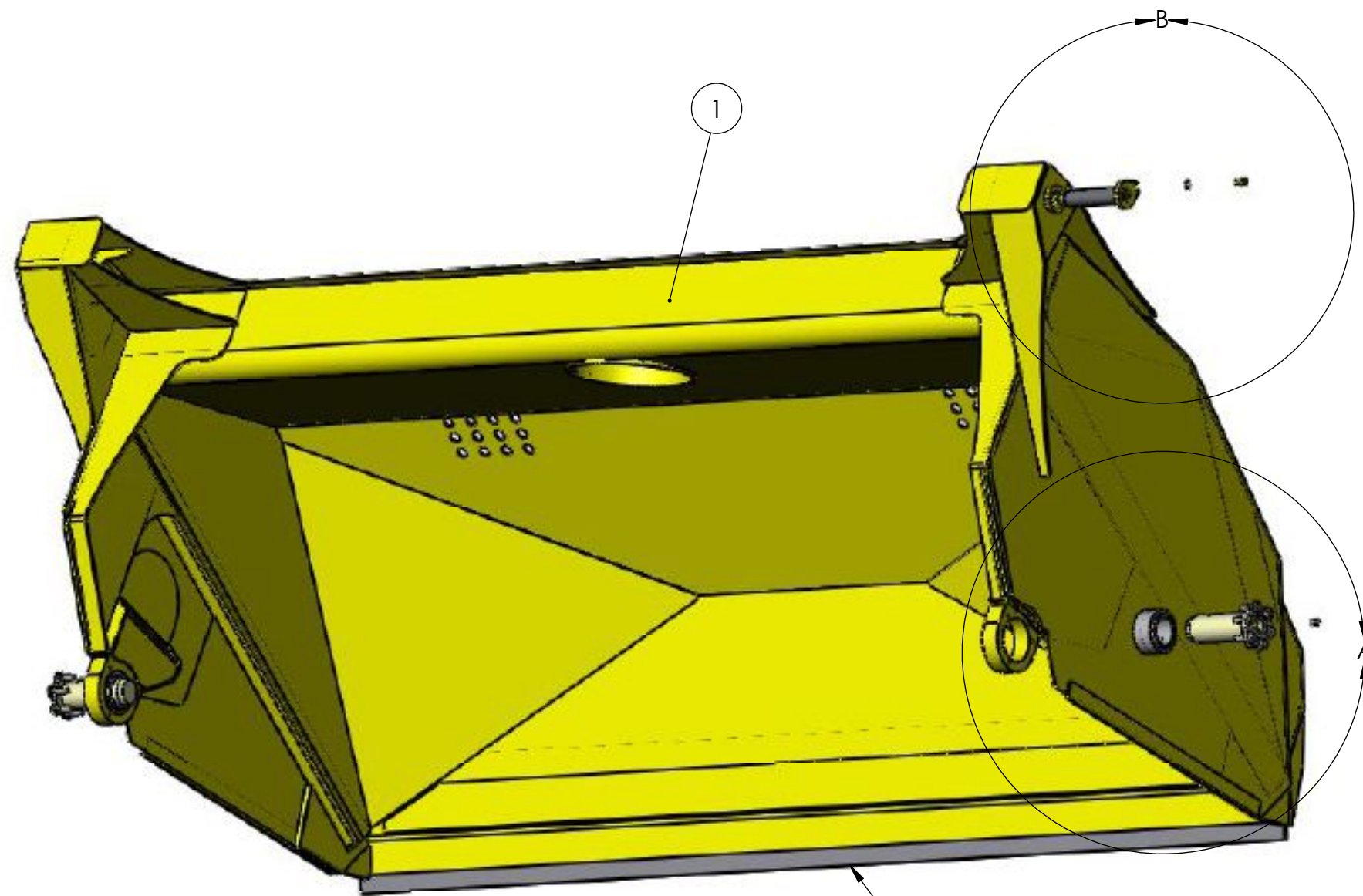
ITEM NO.	PART NUMBER	DESCRIPTION	Parts Book Config/QTY.
1	41678	Apron Assembly	1
2	41460	RBC48 - BLSS	2
3	41458	Shaft Assembly--Spherical Bearing Apron	2
4	40844	Upper Apron Pin	2
5	HFBOLT 0.625-11x2x1.5-N	.625-11 2" Grade 8 Bolt	12
6	FW 0.625	.625 Grade 8 FW	12
7	40219	Apron Wear Edge	1
8	.50 FW HD	Half Inch Flat Washer HD	2
9	.50-13-.750	Grade 8 Hex Bolt	2
10	40922	Zerk 1/4 NPT Straight	2



DETAIL B
1:4

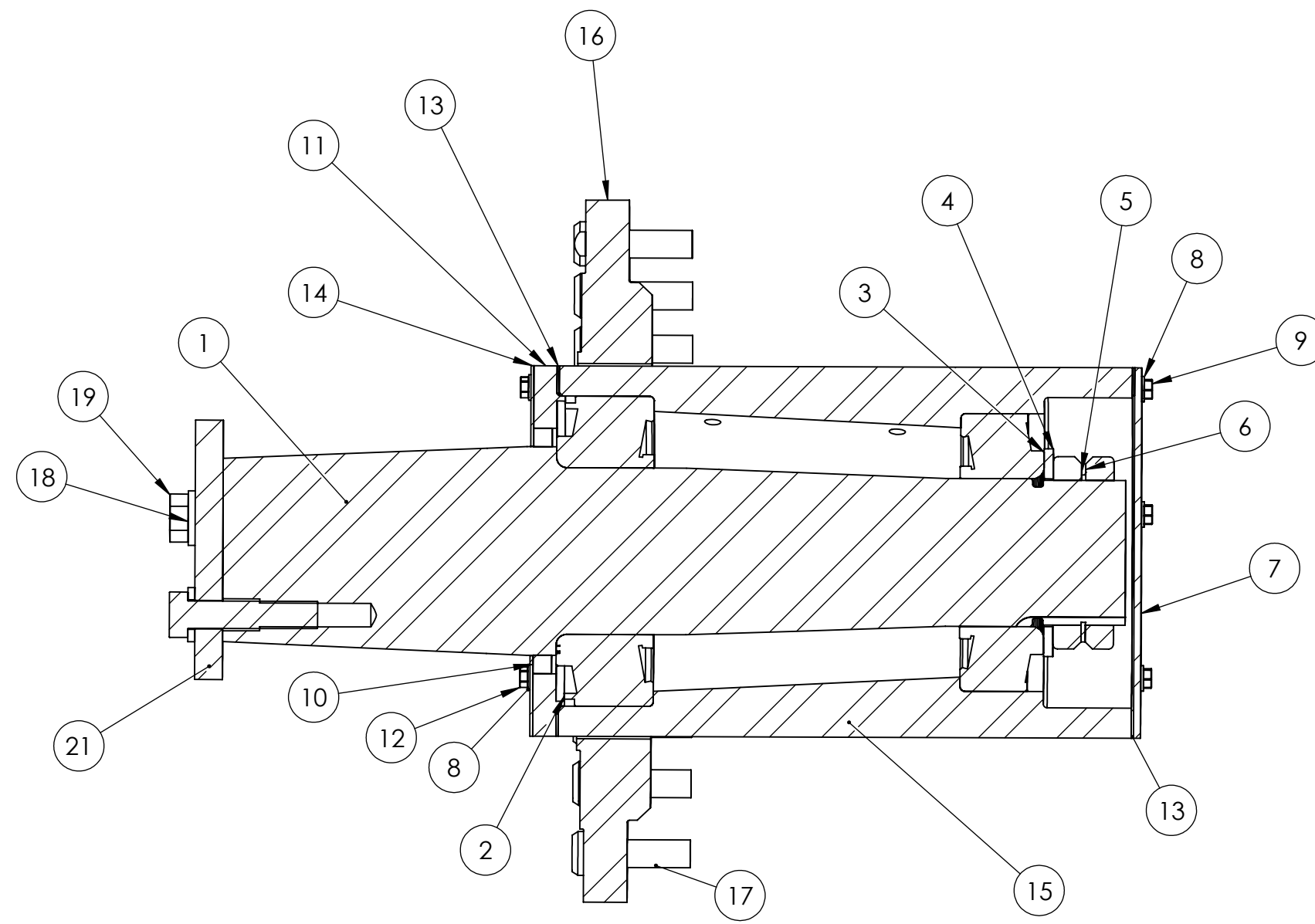


DETAIL A
1:4

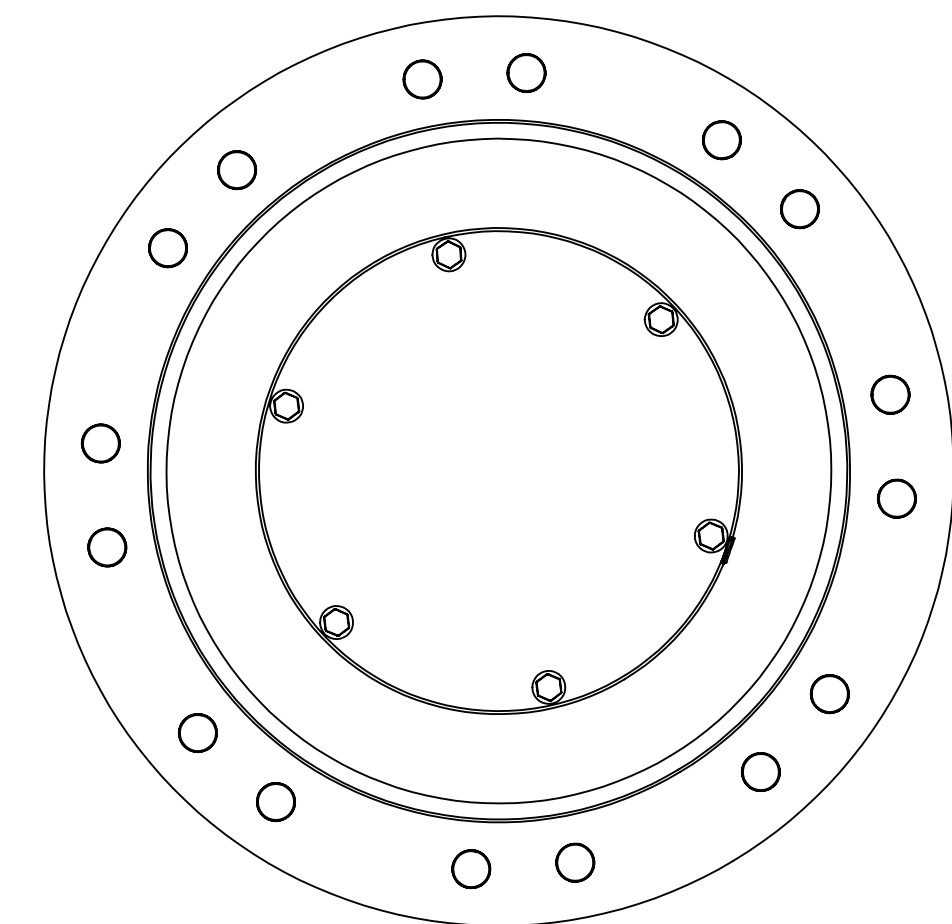
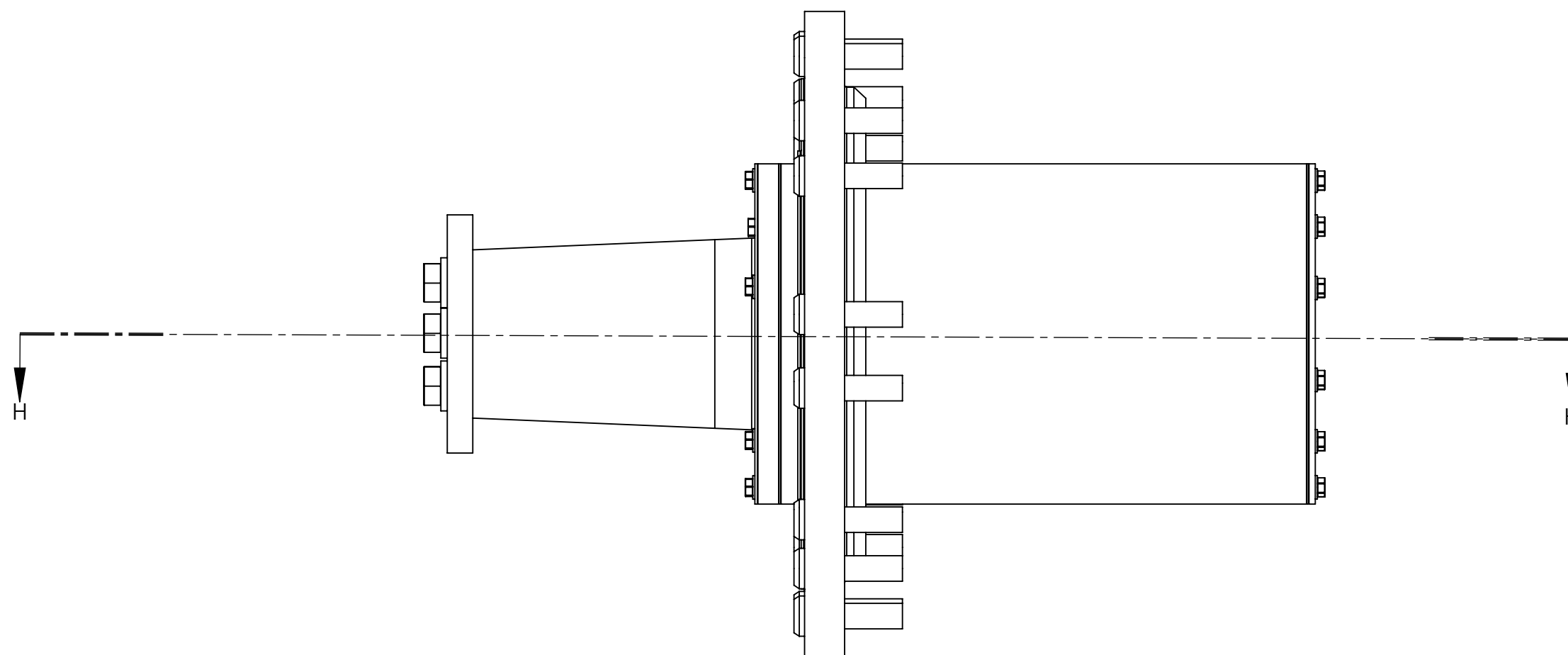


7

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	40441	Shaft-Rear Axle 4.5	1
2	40439	Inner Wheel Bearing HH224346-310	1
3	40451	Outer Bearing HH221449-410 4.0	1
4	40453	Tongued Washer K91520	1
5	40452	Locknut-Tan-20	2
6	40454	Lockwasher TW120	1
7	40445	Cover Plate	1
8	.3125 FWN	Flat Washer	12
9	.3125-18-.750	Hex Bolt Grade 8	6
10	40446	Oil Seal 56101	1
11	40447	Seal Retainer Plate	1
12	.3125-18-1.25	Hex Bolt Grade 8	6
13	40897	Gasket--Wheel	2
14	40907	Seal Plate	1
15	40443	Wheel Hub	1
16	41065	2 INCH Wheel Plate	1
17	41063	.75 X 2.875 Wheel Stud	16
18	.75 FW HD	Flat Washer Grade 8	3
19	.75-10-3.50	Hex Bolt Grade 8	3
20	4638K512	Plug	2
21	40455	Axle Retention Plate	1



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S/N CRDA00421 & Up

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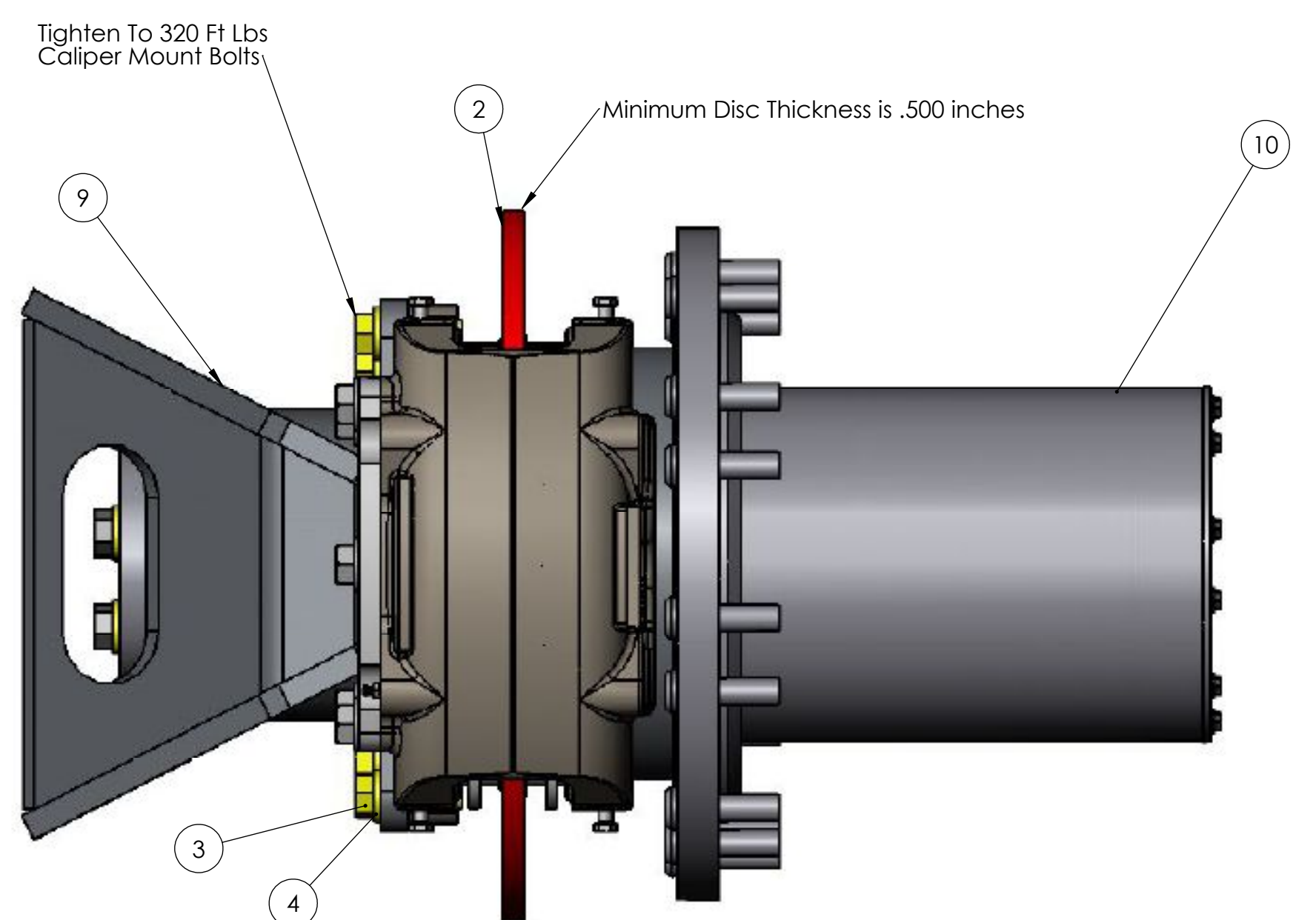
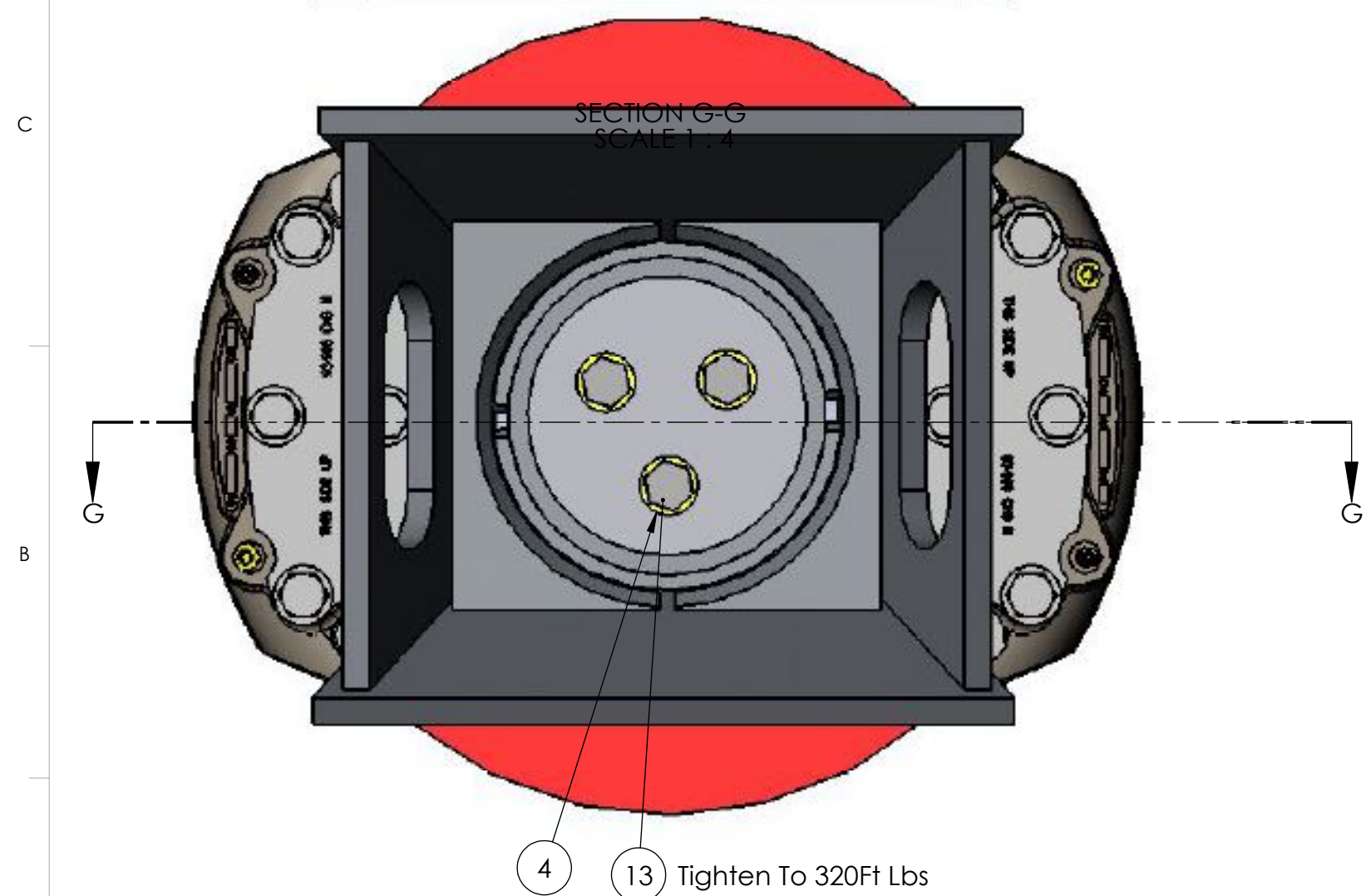
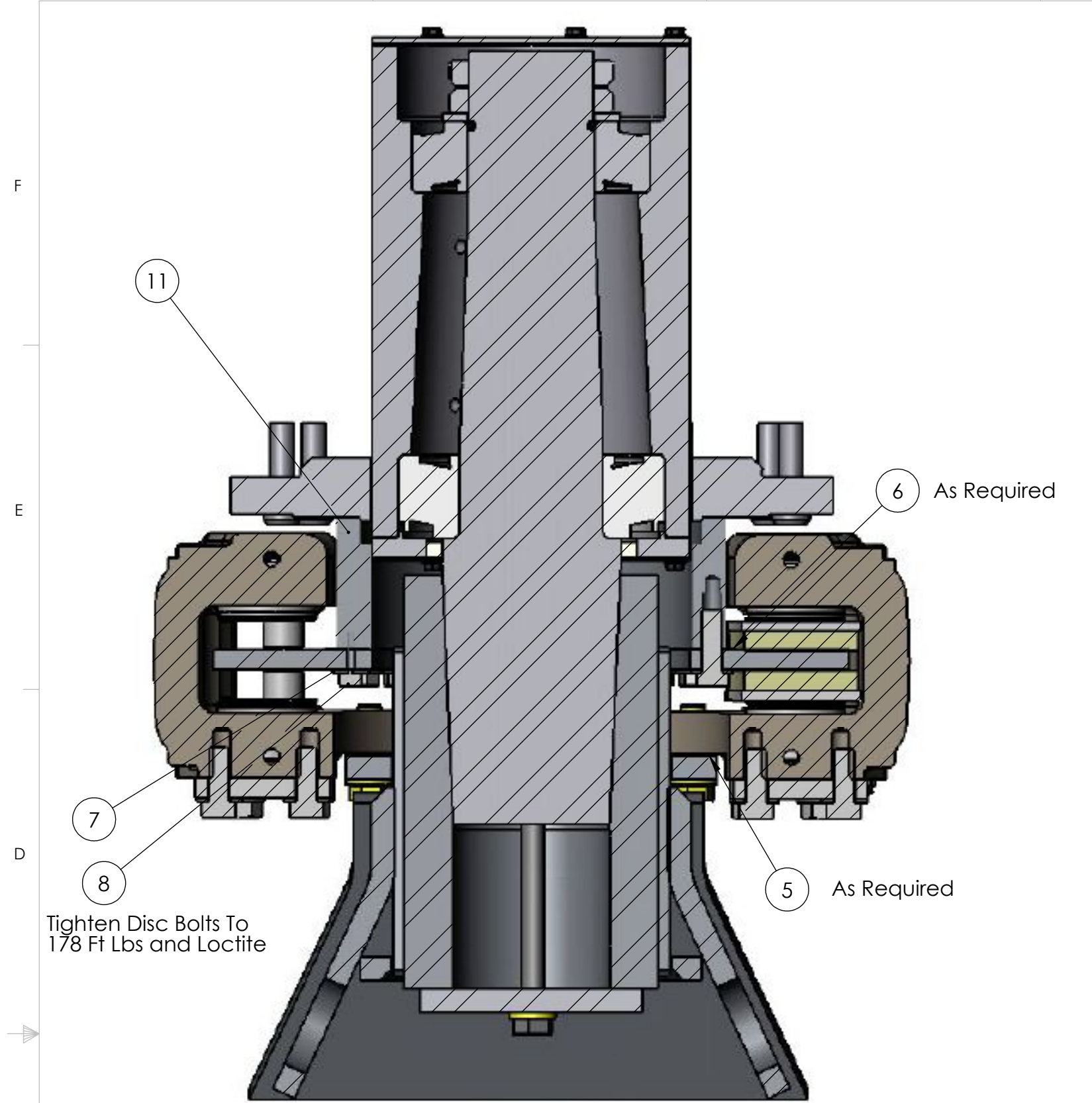
TITLE:

2 Inch Wheel Gp

41064 PB

ITEM NO.	PART NUMBER	DESCRIPTION	Parts Book Configuration/QTY.
1	41439	Caliper 419-888_asm	2
2	41200	Brake Disc	1
3	.75-10-2.50	Hex Bolt Grade 8	12
4	.75 FW HD	Flat Washer Grade 8	15
5	41423	Shim-Caliper (As Required)	8
6	41424	Brake Disc Shim (As Required)	1
7	.625 FWN	Flat Washer Grade 8	16
8	.625-11-2.00	Hex Bolt Grade 8	16
9	41360	Axle Receiver Weldment	1
10	41064	2 Inch Wheel Gp	1
11	41199	Brake Support	1
12	40455	Axle Retention Plate	1
13	.75-10-8.00	Hex Bolt Grade 8	3

Caliper Service Parts:
 Replacement Disc Pad Set is P/N 41440 (Need Two Kits per Caliper)
 Replacement Piston is P/N 41803
 Replacement Seal Kit is P/N 41804 (Does One Caliper)



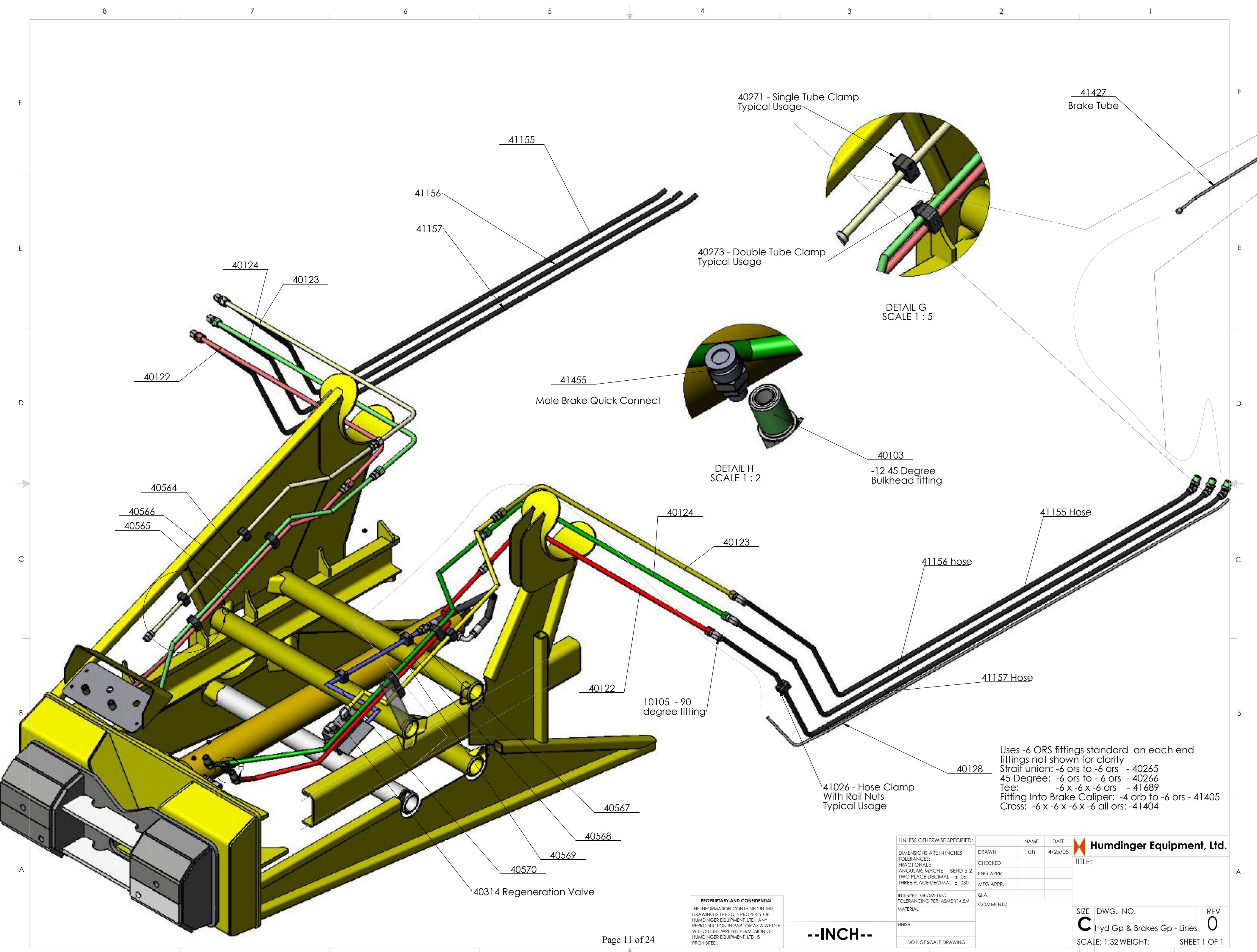
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S/N CRDA00493 & Up

Humdingler Equipment, Ltd.

TITLE: Brake Group-H619

41438



40271 - Single Tube Clamp
Typical Usage

41427
Brake Tube

40273 - Double Tube Clamp
Typical Usage

DETAIL G
SCALE 1 : 5

41455
Male Brake Quick Connect

DETAIL H
SCALE 1 : 2

40103
-12 45 Degree
Bulkhead fitting

Uses -6 ORS fittings standard on each end
fittings not shown for clarity
Strait union: -6 ors to -6 ors - 40265
45 Degree: -6 ors to -6 ors - 40266
Tee: -6 x -6 x -6 ors - 41689
Fitting Into Brake Caliper: -4 orb to -6 ors - 41405
Cross: -6 x -6 x -6 x -6 all ors - 41404

UNLESS OTHERWISE SPECIFIED:

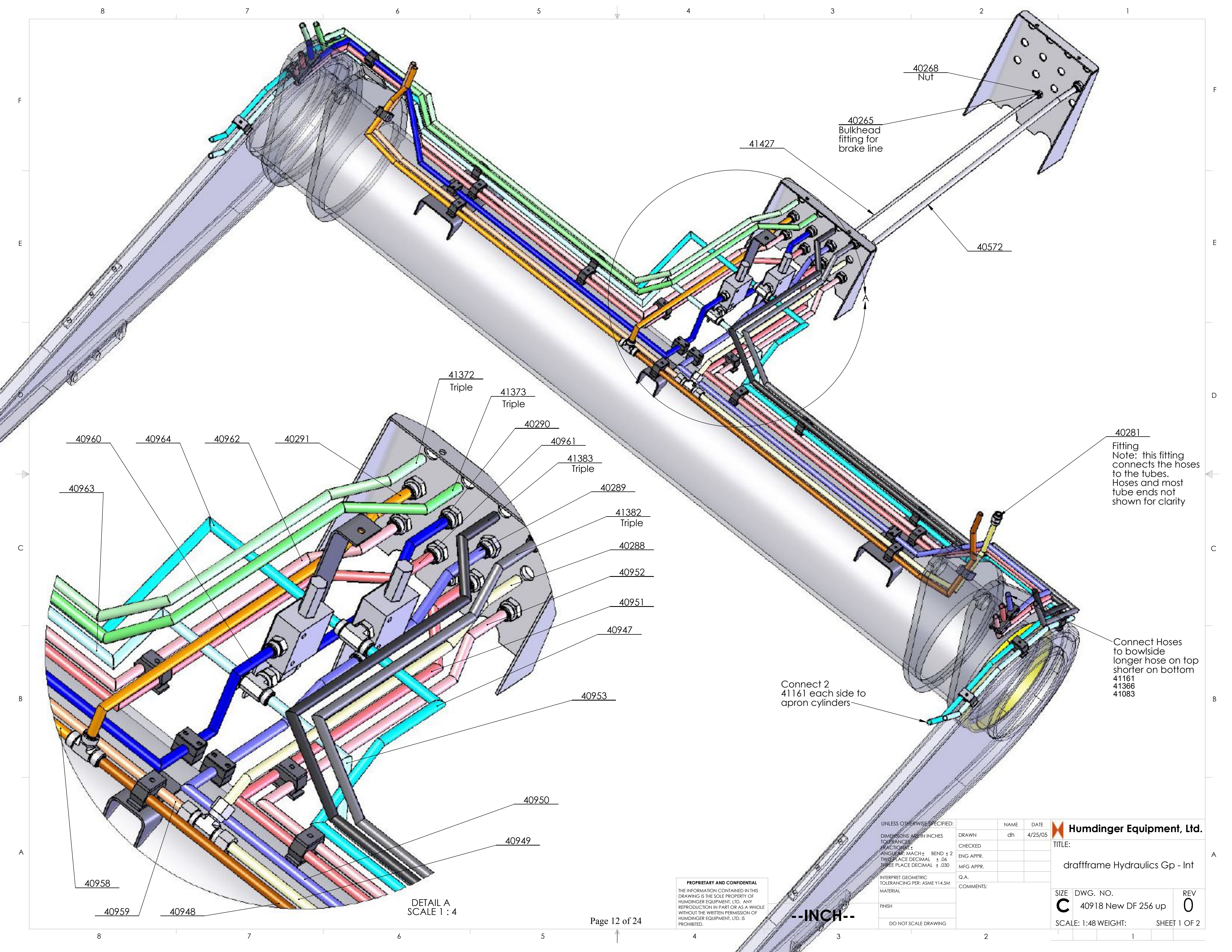
DIMENSIONS ARE IN INCHES	DRAWN	NAME	DATE
TOLERANCES:	CHECKED	dh	4/25/05
FRACTIONAL ±	ENG APPR.		
ANGULAR: MATCH ±	MFG APPR.		
BEND ± 2	Q.A.		
TWO PLACE DECIMAL ± .06	COMMENTS:		
THREE PLACE DECIMAL ± .030			
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5M			
MATERIAL			
FINISH			
DO NOT SCALE DRAWING			

Humdinger Equipment, Ltd.

TITLE:	SIZE	DWG. NO.	REV
	C	Hyd Gp & Brakes Gp - Lines	0
	SCALE: 1:32	WEIGHT:	SHEET 1 OF 1

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--INCH--



40268
Nut

40265
Bulkhead fitting for brake line

41427

40572

41372
Triple

41373
Triple

40290

40961

41383
Triple

40289

41382
Triple

40288

40952

40951

40947

40953

40950

40949

40960

40964

40962

40291

40963

40281

Fitting
Note: this fitting connects the hoses to the tubes. Hoses and most tube ends not shown for clarity

Connect Hoses to bowside longer hose on top shorter on bottom
41161
41366
41083

Connect 2 41161 each side to apron cylinders

DETAIL A
SCALE 1 : 4

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--INCH--

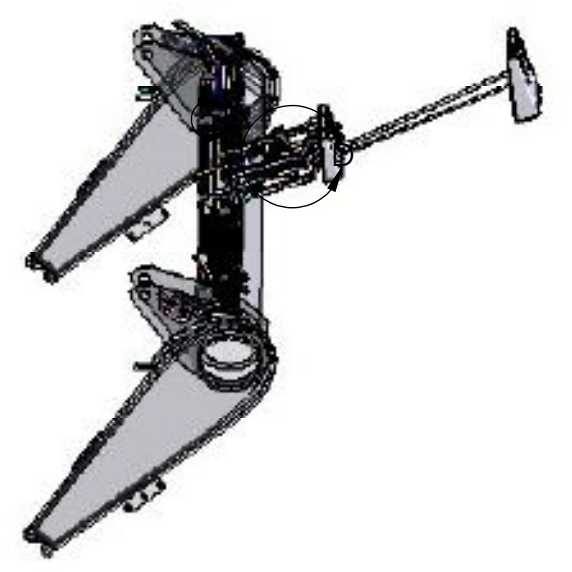
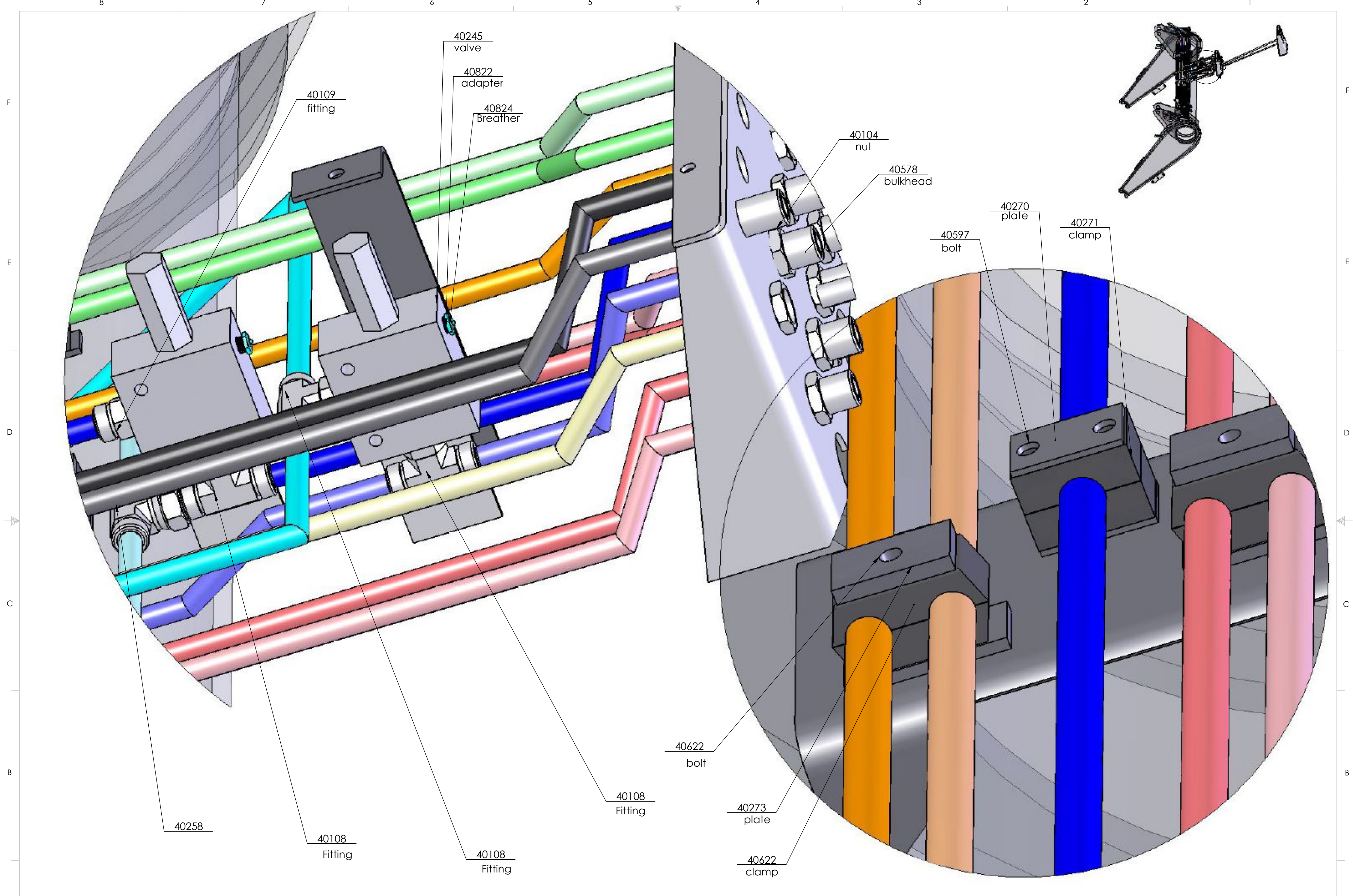
UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES	DRAWN	NAME	DATE
TOLERANCES:	dh		4/25/05
FRACTIONAL ±	CHECKED		
ANGULAR: MACH ± BEND ± 2	ENG APPR.		
TWO PLACE DECIMAL ± .06	MFG APPR.		
THREE PLACE DECIMAL ± .030	Q.A.		
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5M	COMMENTS:		
MATERIAL			
FINISH			
DO NOT SCALE DRAWING			

Humdinger Equipment, Ltd.

TITLE: draffframe Hydraulics Gp - Int

SIZE	DWG. NO.	REV
C	40918 New DF 256 up	0
SCALE: 1:48 WEIGHT:	SHEET 1 OF 2	



UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Humdinger Equipment, Ltd.
DIMENSIONS ARE IN INCHES		DRAWN	RJH	
TOLERANCES:		CHECKED		TITLE:
FRACTIONAL ±		ENG APPR.		draffframe Hydraulics Gp - Int
ANGULAR: MACH ±		MFG APPR.		
BEND ±		Q.A.		SIZE DWG. NO. REV
TWO PLACE DECIMAL ± .06		COMMENTS:		C 40918 New DF 256 up 0
THREE PLACE DECIMAL ± .030				SCALE: 1:48 WEIGHT: SHEET 2 OF 2
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5M				
MATERIAL				
FINISH				
DO NOT SCALE DRAWING				

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--INCH--

2-40299 Bowl Lift Cylinder
2-40300 Apron Cylinder
1-40301 Ejector Cylinder

Seal Kits:

40299SK Bowl Lift Cylinder Seal Kit
40300SK Apron Cylinder Seal Kit
40301SK Ejector Cylinder Seal Kit

 **Humdinger Equipment, Ltd.**

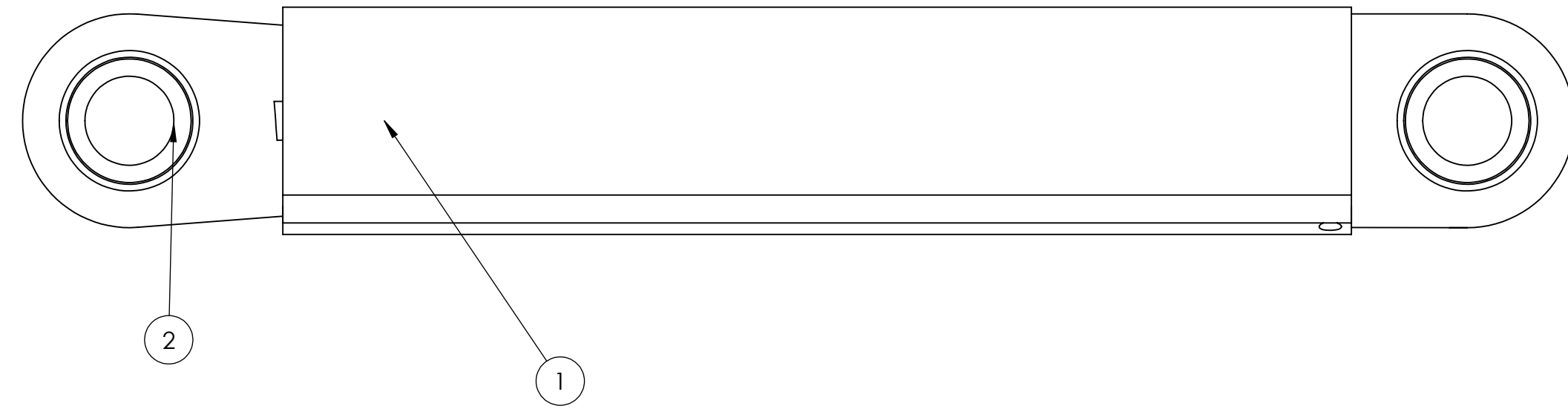
TITLE:
Cylinder Group

41356

S/N CRDA00421 & Up

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	40299 - SK	Seal Kit	1
2	41752	2.5 spherical bearing	2



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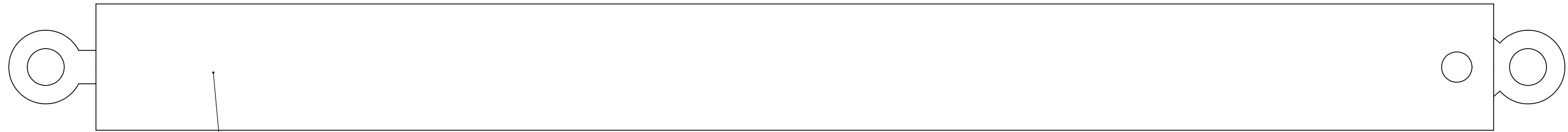
TITLE:
Cylinder Gp. - Bowl Lift

S/N CRDA00421 & Up

40299

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	40301 - SK	Seal Kit	1



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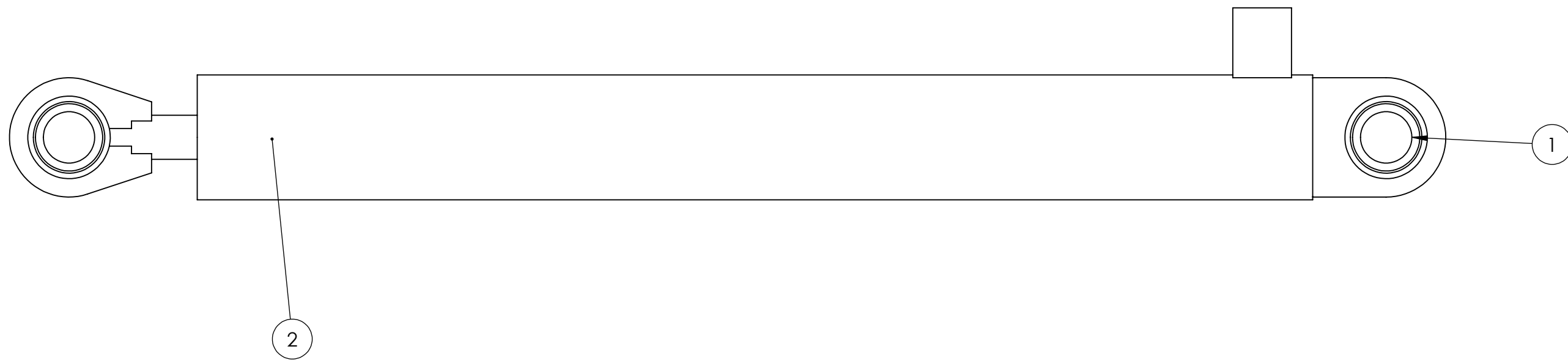
TITLE:
Cylinder Gp. - Ejector

S/N CRDA00421 & Up

40301

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	41751	1.75 spherical bearing	2
2	40300 - SK	Seal Kit	1



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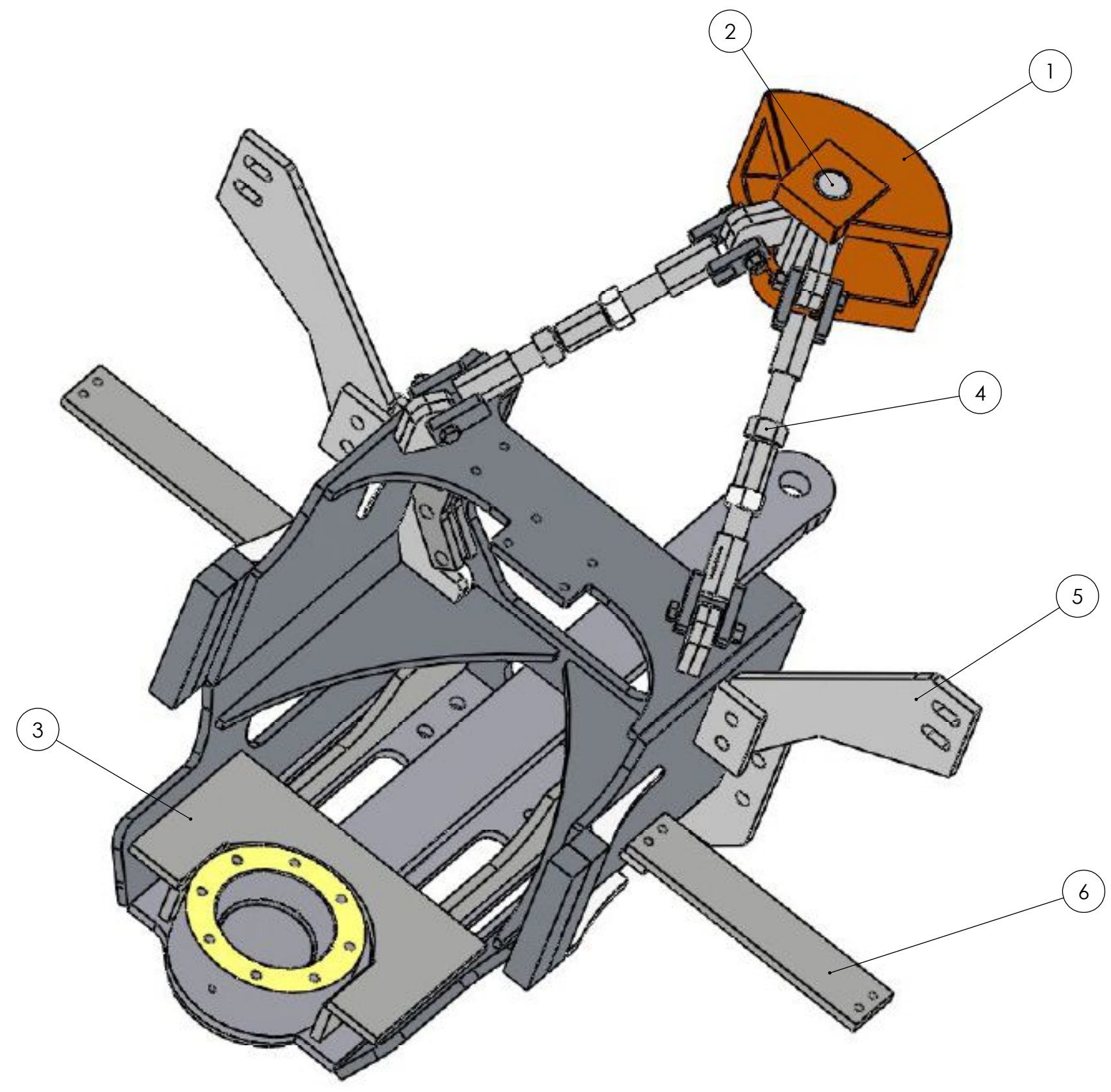
UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN INCHES	dh	4/25/05
TOLERANCES:		
FRACTIONAL ±		
ANGULAR: MACH ± BEND ± 2		
TWO PLACE DECIMAL ± .06		
THREE PLACE DECIMAL ± .030		
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5M		
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

Humdinger Equipment, Ltd.

TITLE: **Cylinder Gp. - Apron**

SIZE	DWG. NO.	REV
C	40300	0
SCALE: 1:8	WEIGHT:	SHEET 1 OF 1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Yoke	For Reference Only	1
2	41618	Pin--Hitch	1
3	41610	Agco 865B w/8 Inch Ball	1
4	41684	Turnbuckle Group - Graham	1
5	41666	bracket support	2
6	41662	Bar to side plates	2



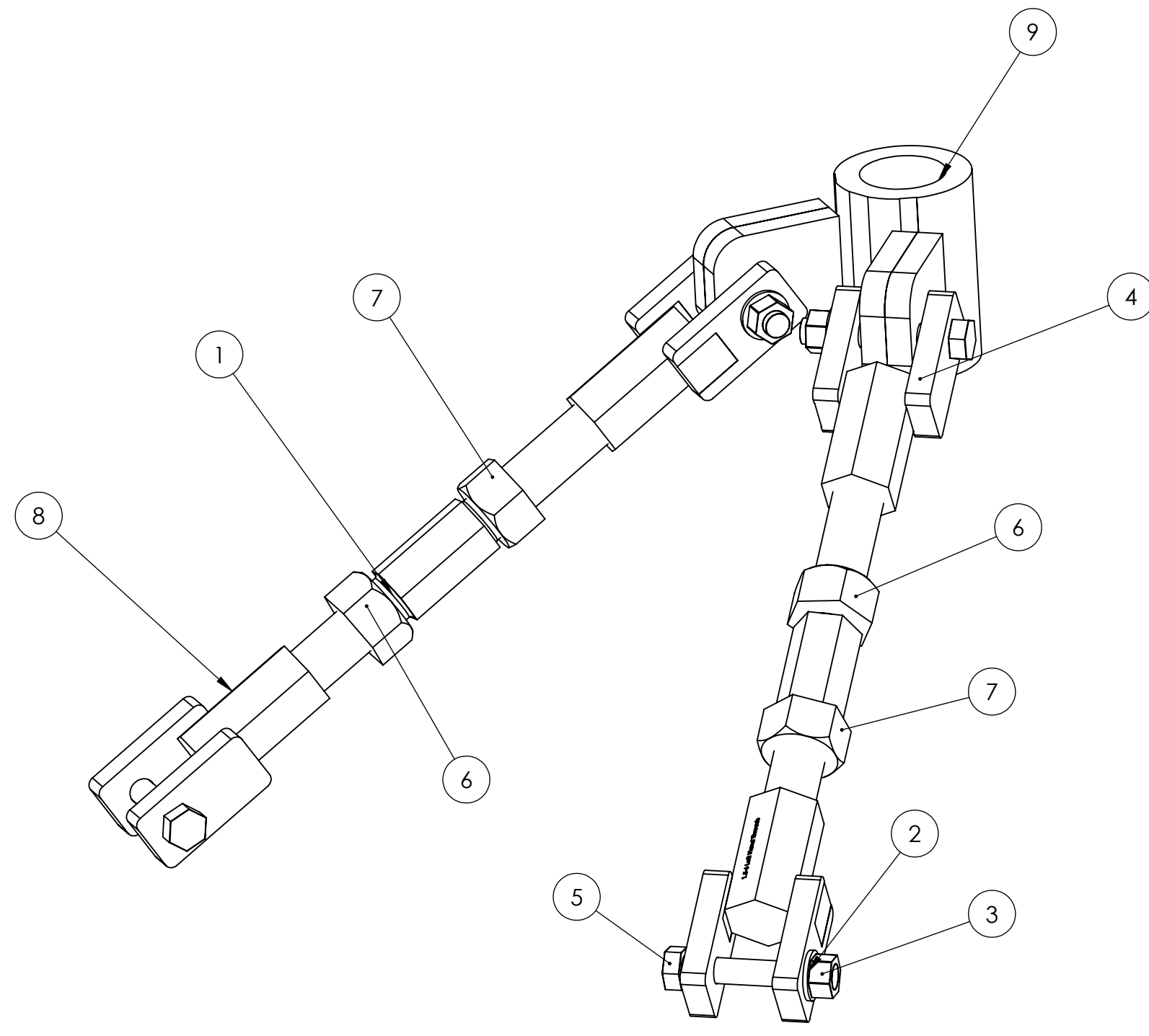
Humdinger Equipment, Ltd.
 TITLE:
 Agco Hitch Group--Graham Special

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S/N CRDA00421 & Up

41687 PB

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	41572	Hex Bar	2
2	.75 FWN	Flat Washer Grade 8	4
3	.75 Nut	Nut	4
4	41582	Rod End Assembly	2
5	.75-10-4.5	Hex Bolt Grade 8	4
6	99891A215	1.5-6 Nut Left Hand Threads	2
7	94895A041	1.5-6 Nut RH Threads	2
8	41620	Rod End Assembly LH Threads	2
9	41760	Upper Lug Assembly	1



 **Humdinger Equipment, Ltd.**

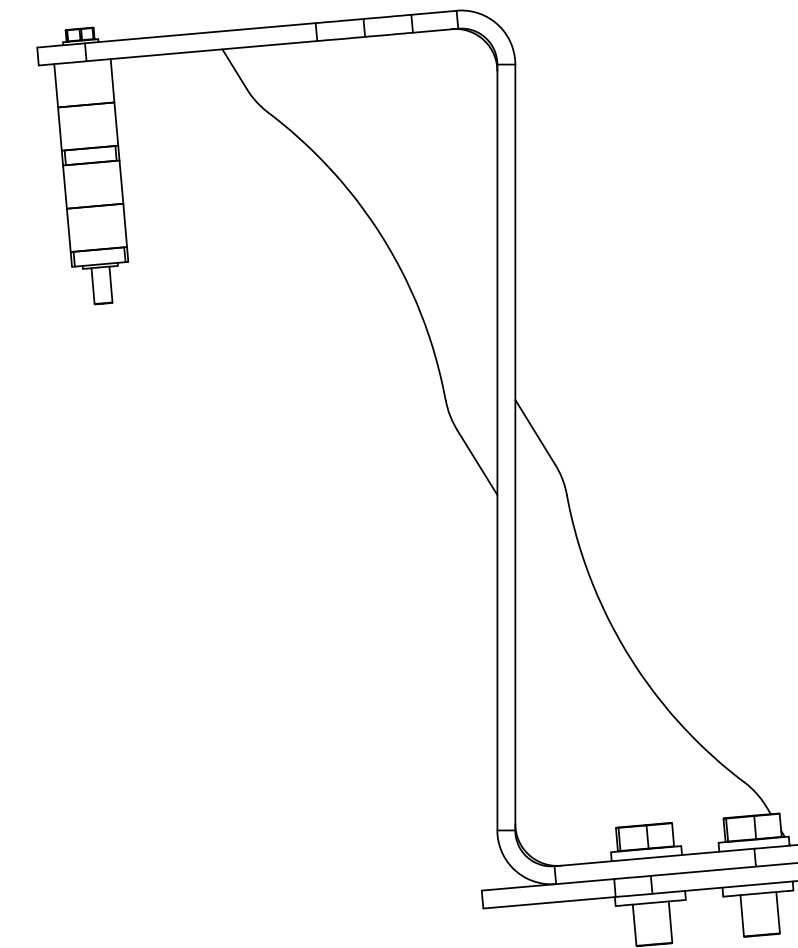
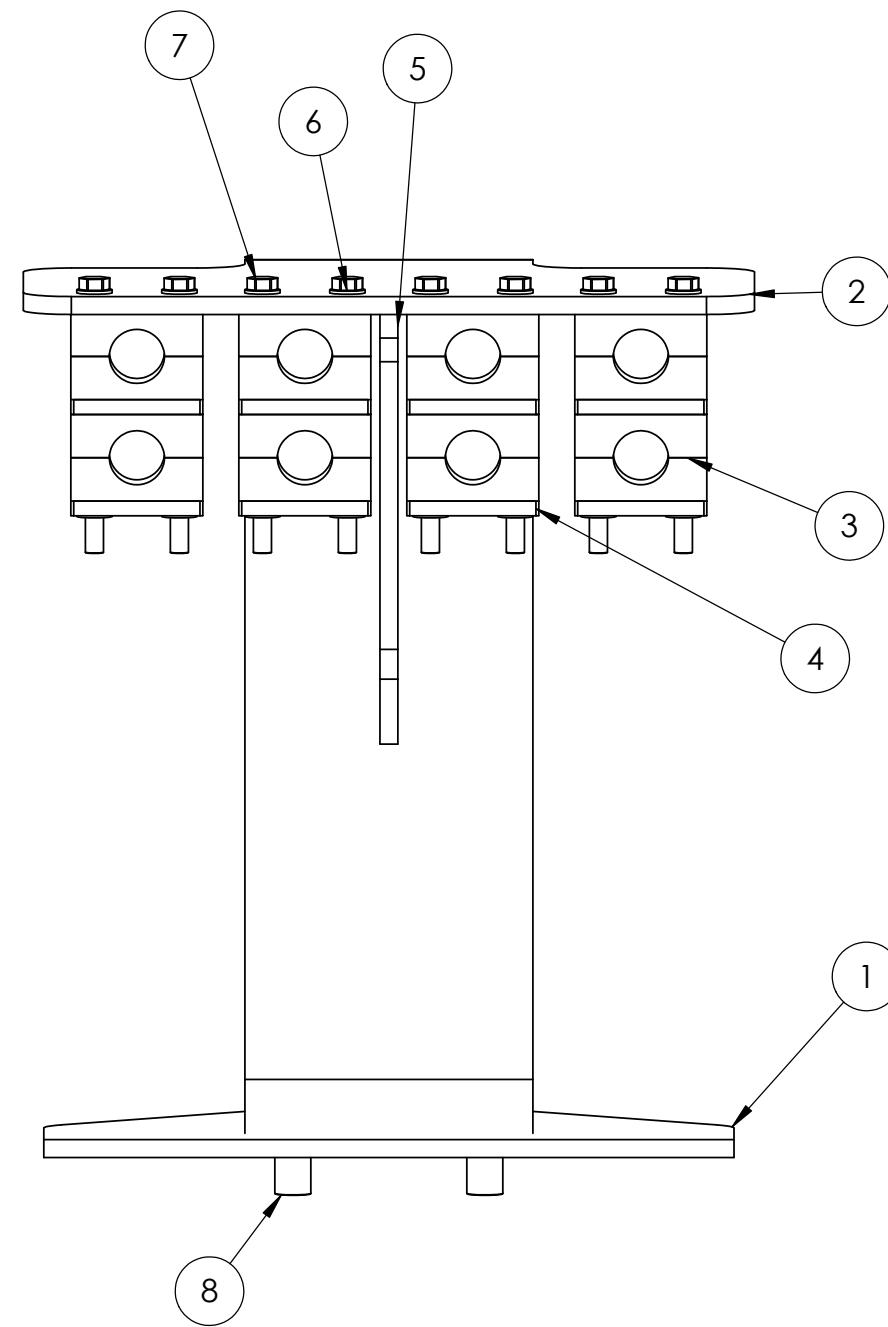
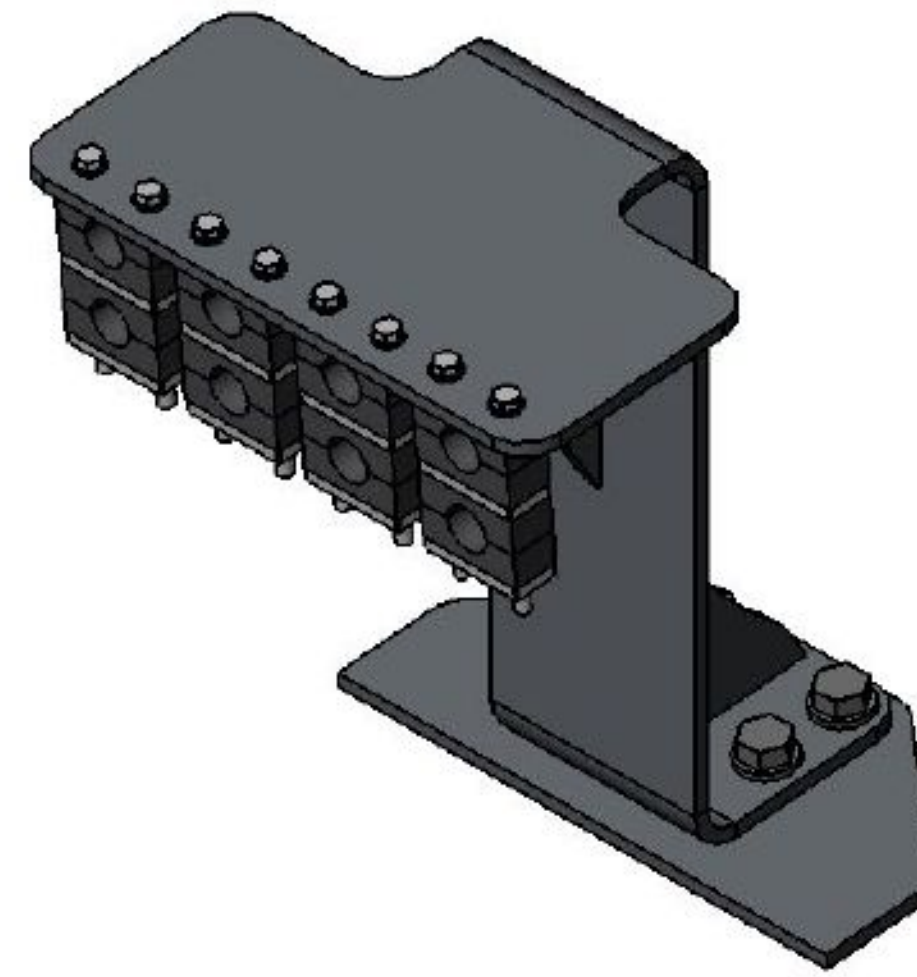
TITLE:
Turnbuckle Group - Graham

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S/N CRDA00517 & Up

41684 PB

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	40945	Support Plate	1
2	40944	Stand	1
3	41026	H4292HPP - Hose Clamp	16
4	40599	CPH-4 Cover Heavy	8
5	40946	Gusset	2
6	.375 FW	Flat Washer	16
7	375-16-5.50	Hex Bolt Grade 8	8
8	.75-10-2.00	Hex Bolt Grade 8	4
9	.75 FW HD	Flat Washer Grade 8	8



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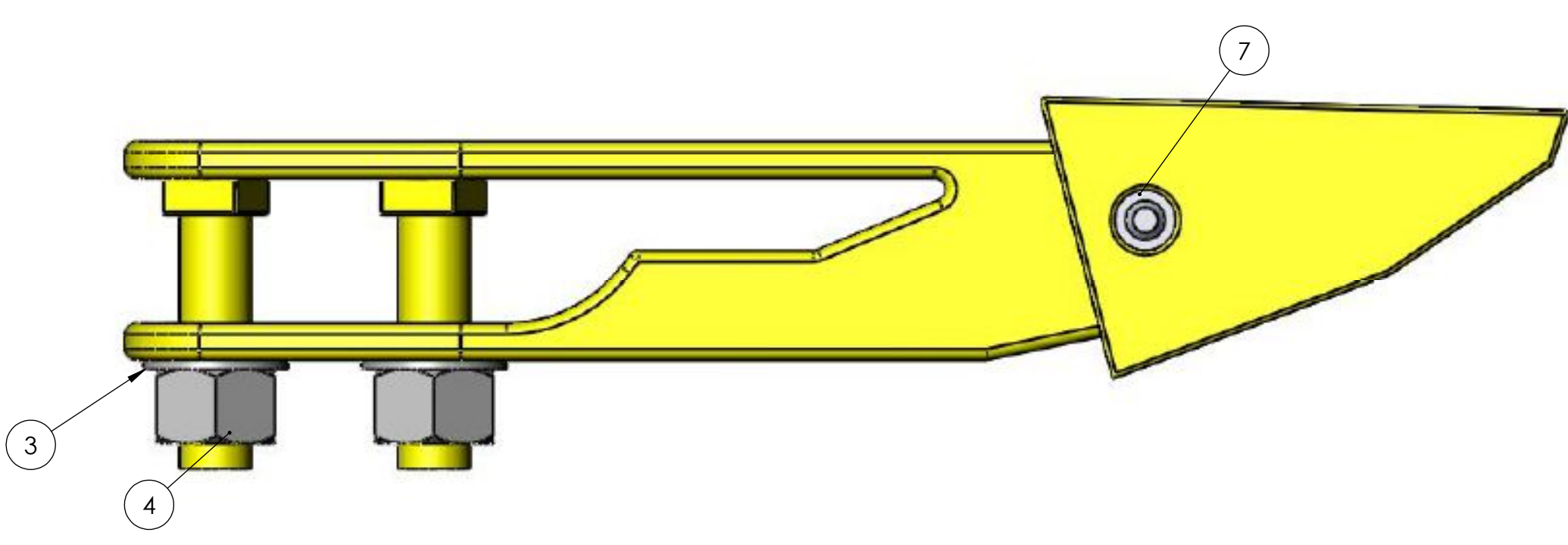
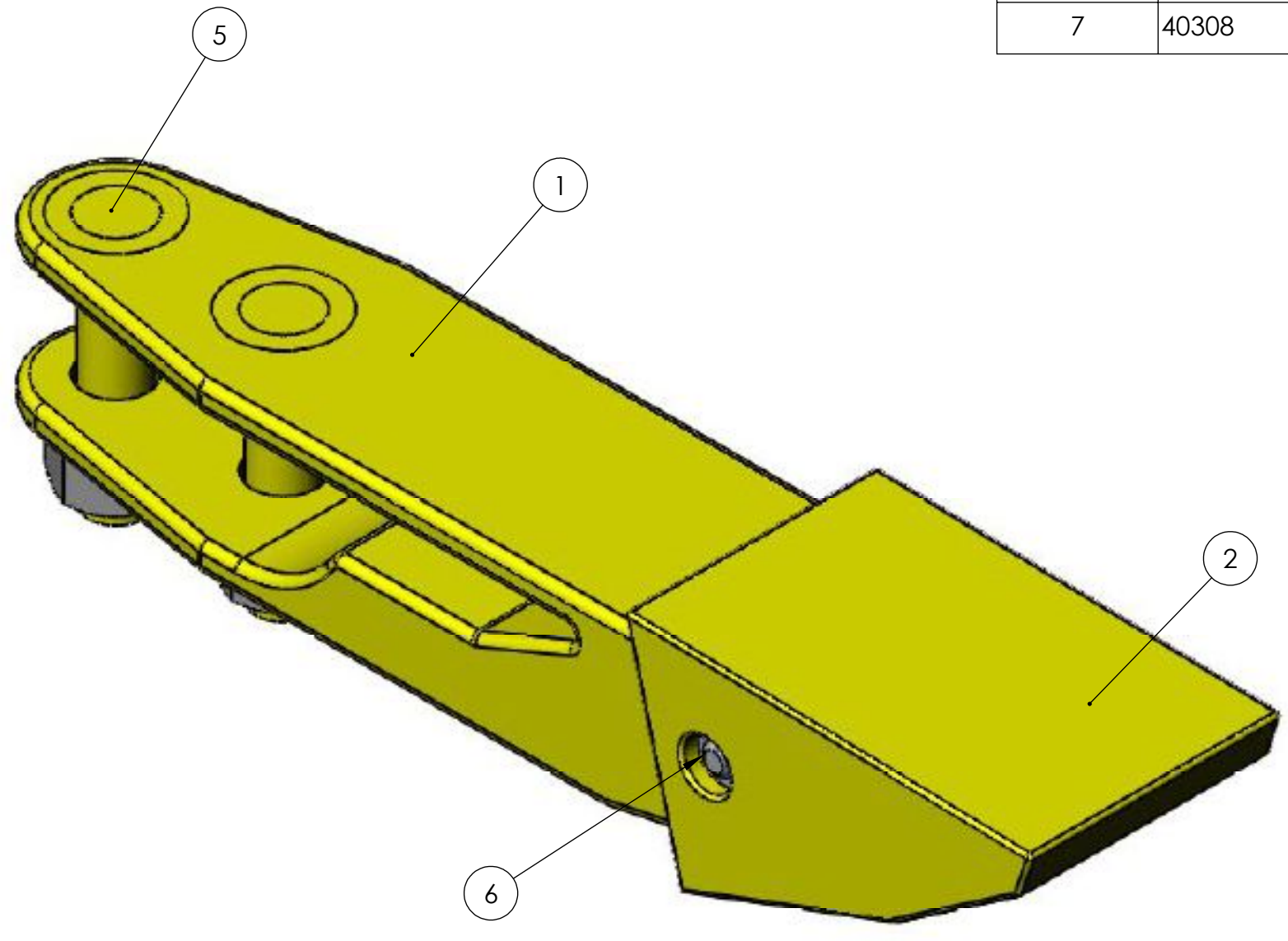
TITLE:
Hose Hanger Challenger

S/N CRDA00421 & Up

41127 PB

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	40305	Adapter-Tooth	1
2	40306	Tip - Long	1
3	FW 1	Flat Washer	2
4	HHNUT 1.0000-8-D-N	Nut	2
5	1-8 4.5 Inch Bolt	Plow Bolt	2
6	40307	Tooth Retainer Pin	1
7	40308	Retaining Nut	1



USE 3 To 5 Per Machine

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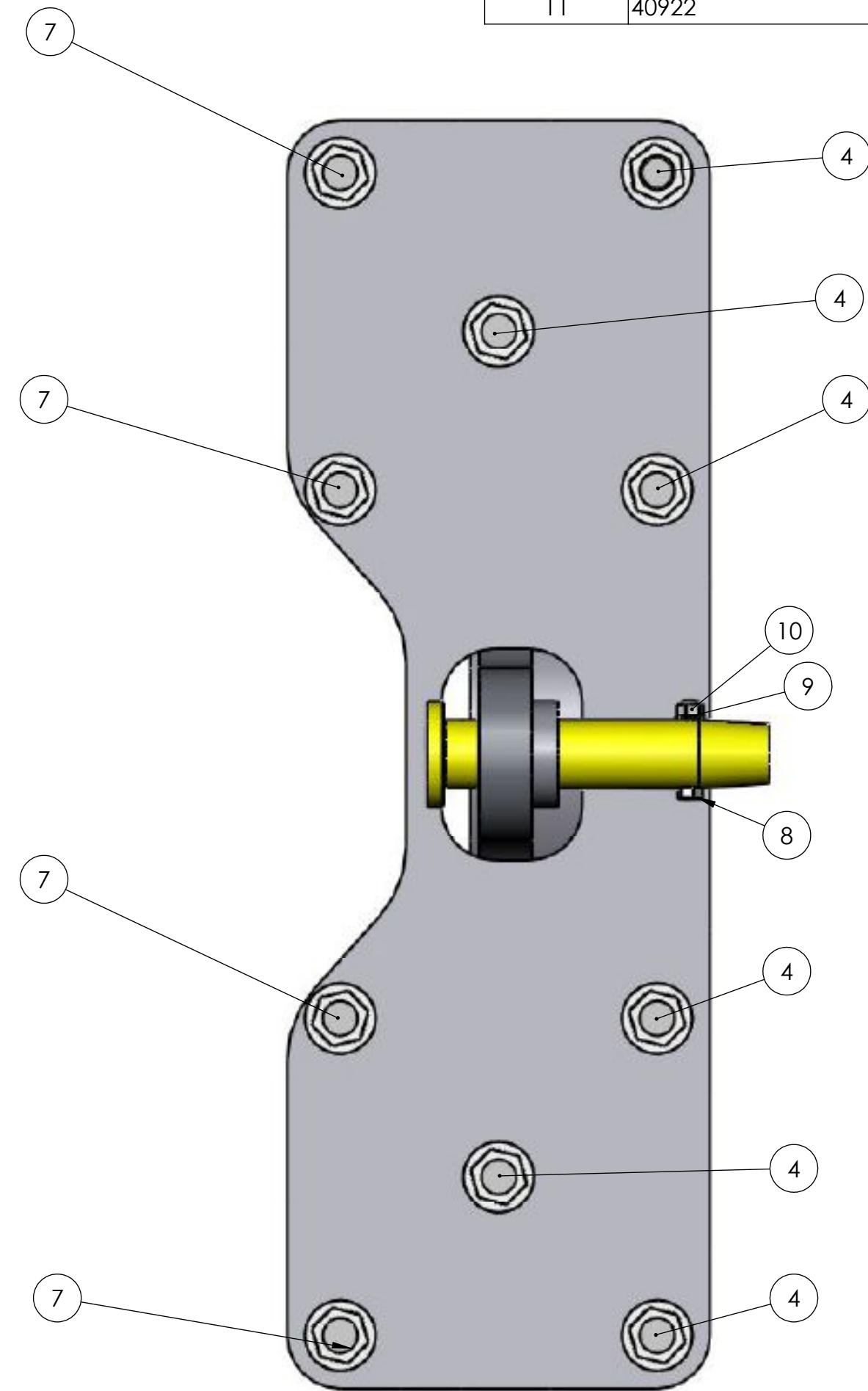
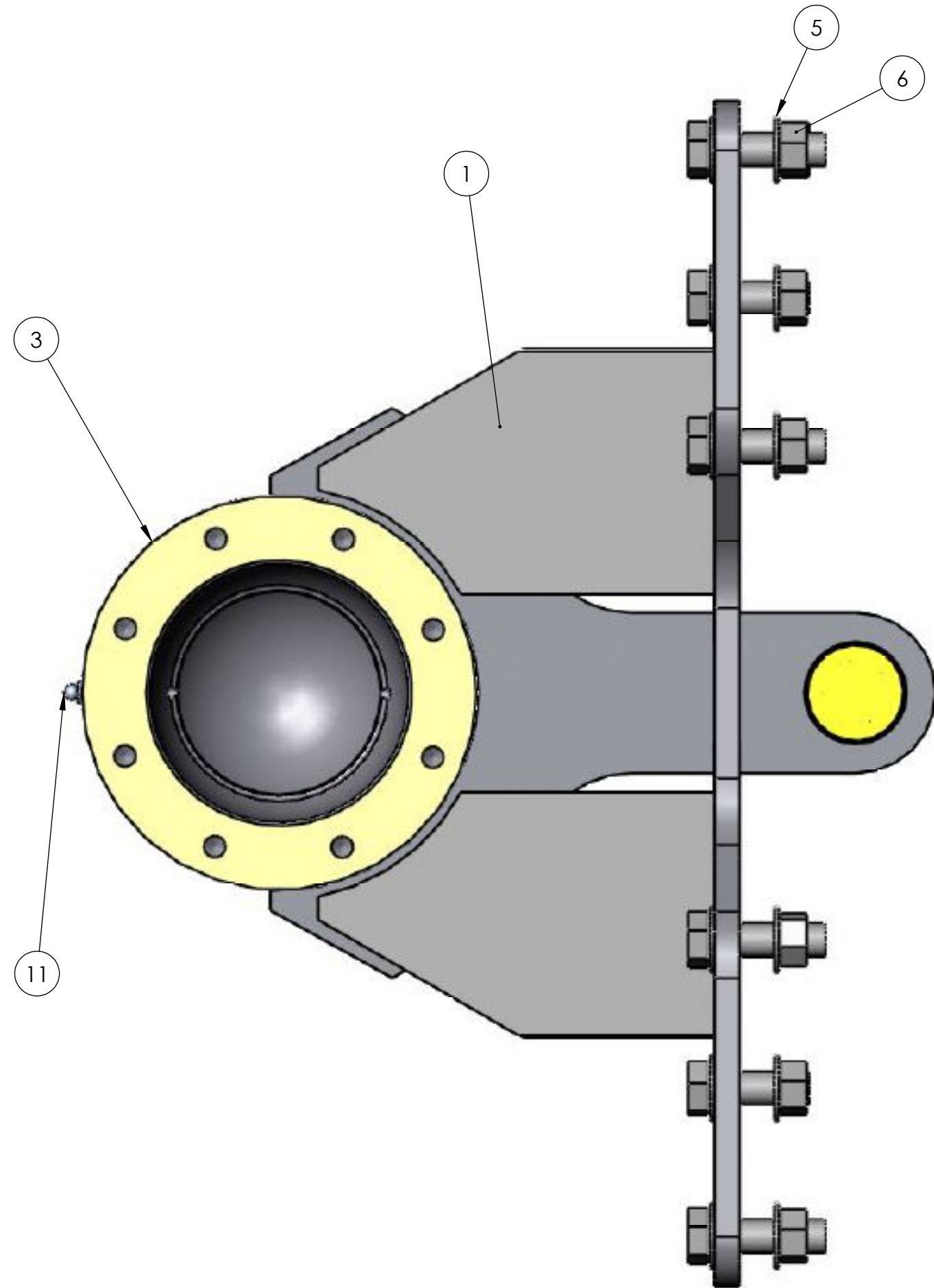
TITLE:
Tooth Group

S/N CRDA00421 & Up

41765

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	41358	Rear Hitch Weldment--8 Inch	1
2	40350	Pin - Pull RF	1
3	41505	Drawbar Assy--8 Inch Scraper	1
4	1.00-8-3.00	Bolt Grade 8	6
5	FW 1	Grade 8 Washer	20
6	1-8 Heavy Hex Nut	Hex Nut Grade 8	10
7	1.00-8-3.50	Bolt Grade 8	4
8	.4375-14-2.5	Hex Bolt	1
9	.4375 FWN	Flat Washer Narrow	1
10	.4375 -14 Nut	Hex Nut	1
11	40922	Zerk 1/4 NPT Straight	2



Humdinger Equipment, Ltd.

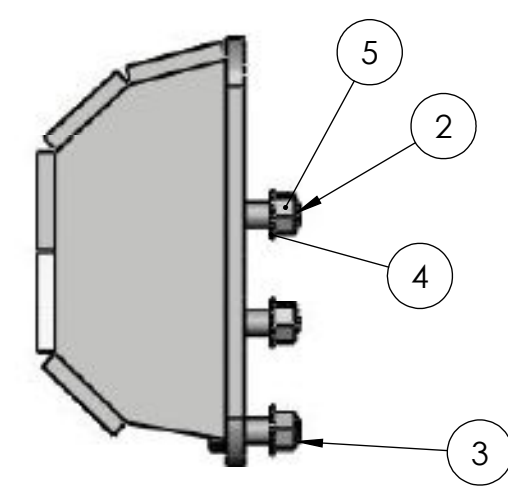
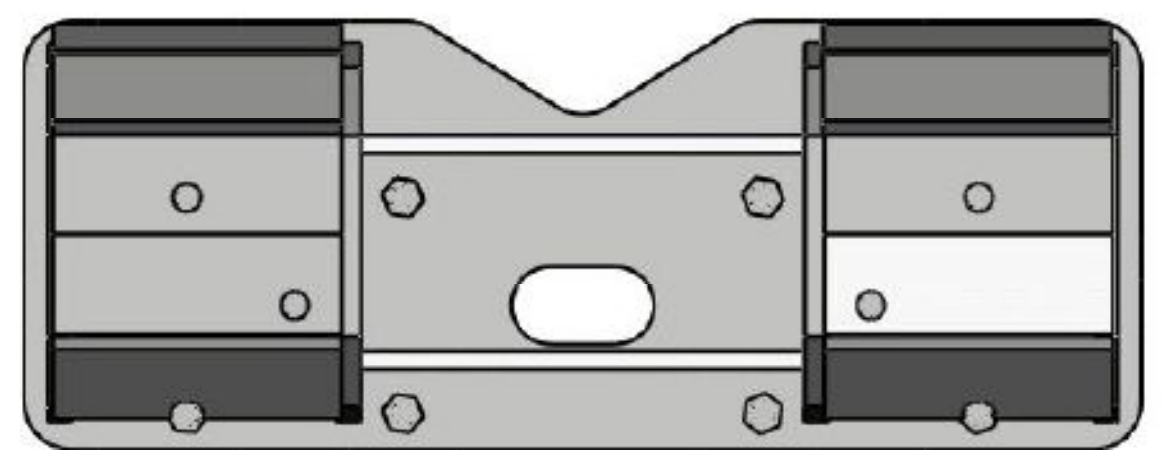
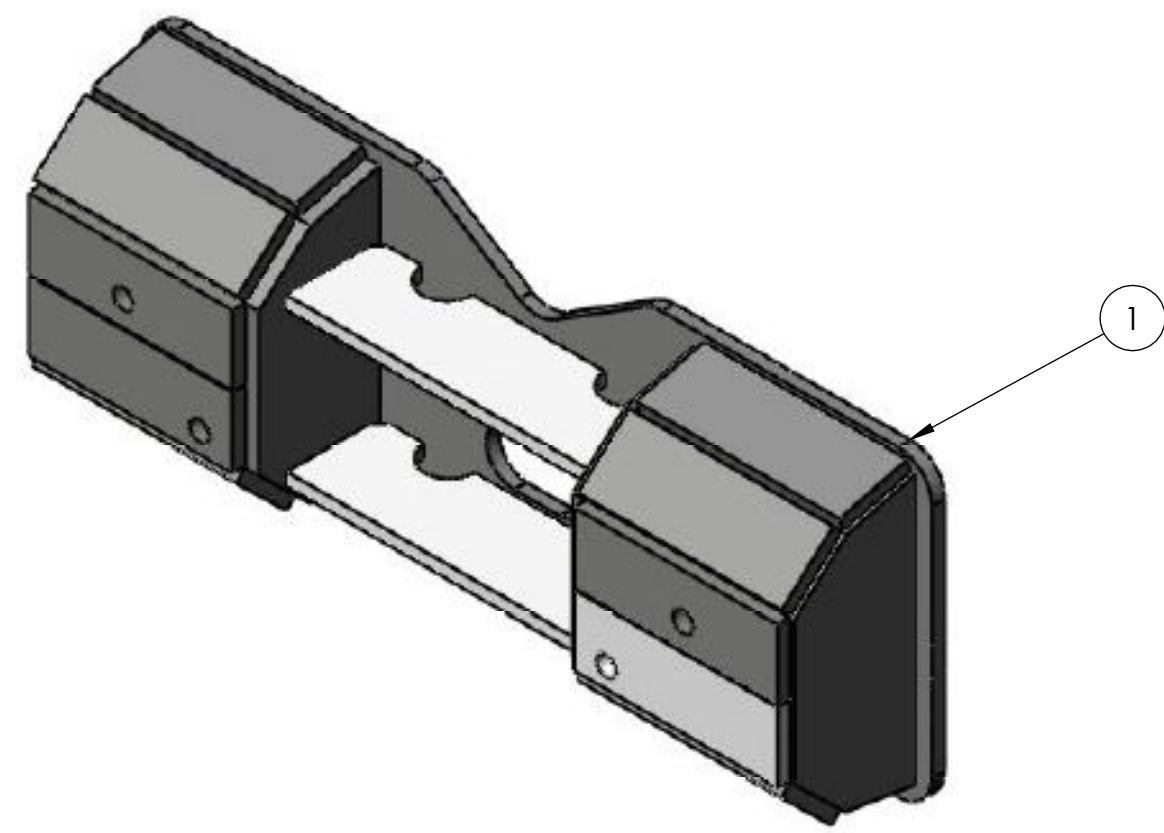
TITLE:
Scraper Hitch Group--8 Inch

S/N CRDA00421 & Up

41770

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	41465	Bumper Extension	1
2	1.00-8-3.50	Bolt Grade 8	4
3	1.00-8-3.00	Bolt Grade 8	6
4	FW 1	Grade 8 Washer	10
5	1-8 Heavy Hex Nut	Hex Nut Grade 8	10



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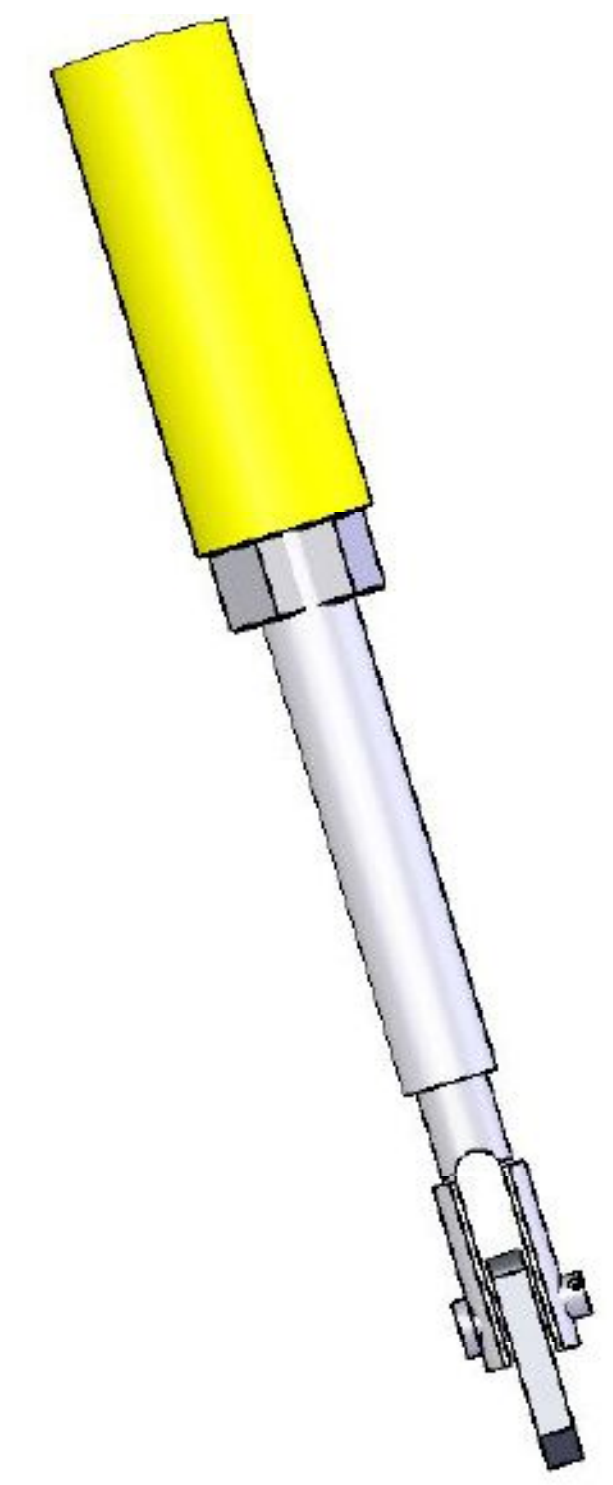
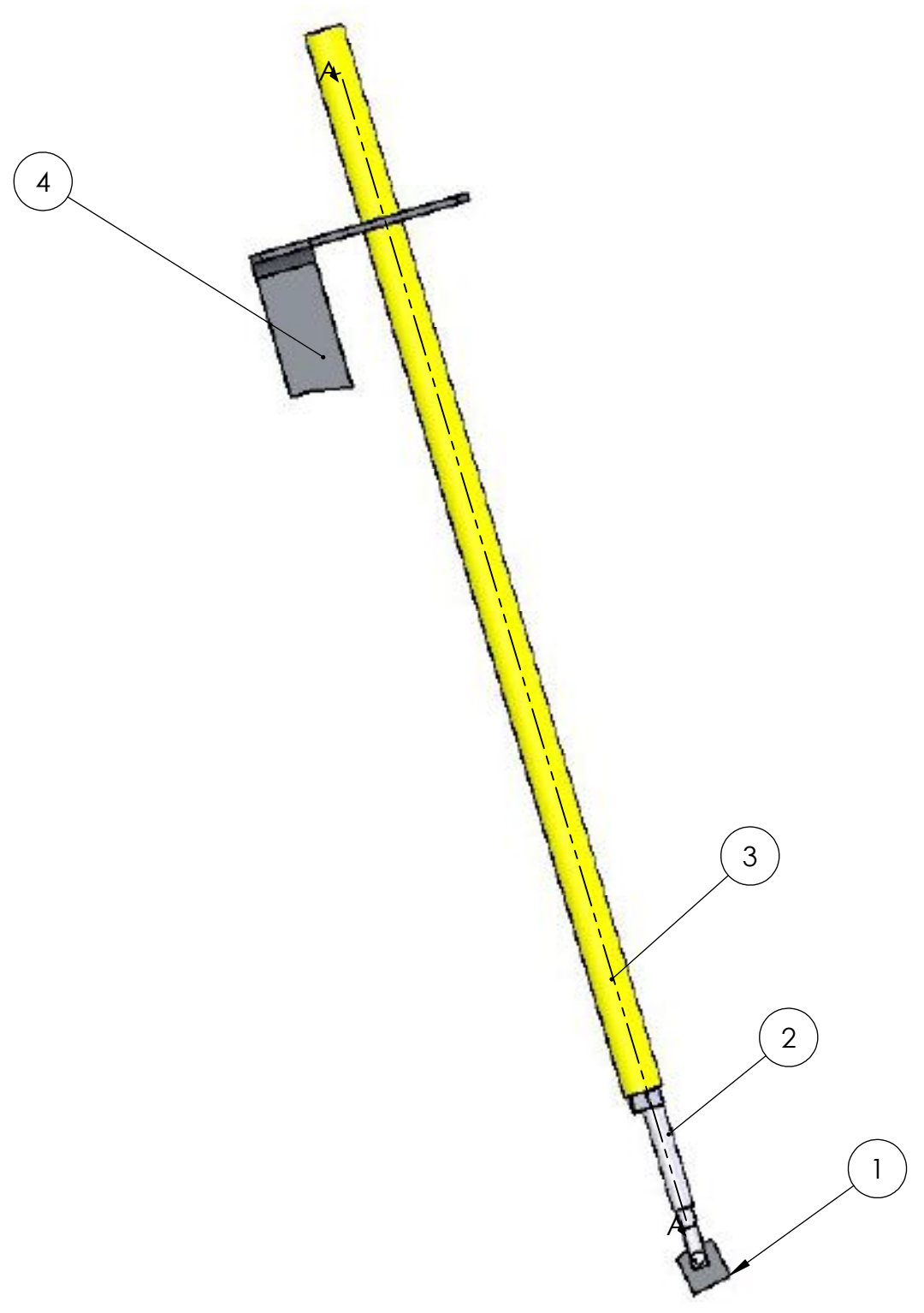
TITLE:
Push Block Group--Bolt On

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S/N CRDA00421 & Up

41674

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	40891	Pivot Block	1
2	40886	Rod Assembly--Depth Gage	1
3	40888	Gage Pipe Assembly	1
4	40890	Gage Mark Plate	1



VIEW A-A
SCALE 1 : 2

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TITLE:
Depth Gage Group

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41771