GEHL®

Form No.
918180
Revision B
October 2009

Compact Excavator

Attachments

Parts Manual

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INTRODUCTION

When ordering service parts, specify the correct part number, full description, quantity required and the unit model number and serial number. For your safety and continued proper operation, use only genuine GEHL service parts.

The model and serial number for the unit are on a tag located on a panel on the front of the cab.

"Right" and "left" are determined from a position sitting on the operator's seat and facing forward.

GEHL Company reserves the right to make changes or improvements in the design or construction of any part of the unit without incurring the obligation to install such changes on any previously delivered units.

Refer to the abbreviations table located on this page for special parts descriptions. Standard attaching hardware torque values are also provided near the back of this manual. Metric torque values shown in the illustrations are in Newton-meters and are converted to foot-pounds by multiplying by 0.738.

Specific reference numbers, indicating a complete assembly, are circled in some illustrations. A small bag, pictured in some illustrations, indicates a seal kit (seals, o-rings, etc.). In the exploded view parts list, additional information may follow the Reference Number.

Unless otherwise specified, all cap screws and bolts are Grade 8.8, cadmium or zinc plated.

NOTE: *The following abbreviations may be used herein:*

ASSD ..... Assembled
ASY ..... Assembly
ASSY ..... Assembly
AR ..... As Required
CB ..... Carriage Bolt
CP ..... Cotter Pin
CS ..... Cap Screw (Hexagon Head)
CYL ..... Cylinder
DIA ..... Diameter
FHCS ..... Flat Head Cap Screw
GR ..... Grade
HB ..... Hex Bolt
HLN ..... Hex Lock Nut
HN ..... Hex Nut
HP ..... High Pressure
HYD ..... Hydraulic
INS ..... Insert
LH ..... Left Hand
LN ..... Lock Nut
LT ..... Left
LW ..... Lock Washer
M ..... Meter or Meters
MM/mm ..... Millimeter
NPT ..... National Pipe Threaded
NSS ..... Not Sold Separately
RH ..... Right Hand
RT ..... Right
SHCS ..... Socket Head Cap Screw
SLTD ..... Slotted
SN ..... Serial Number or Slotted Nut
SQ ..... Square
W/ ..... With

TABLE OF CONTENTS

Introduction....1
Table of Contents....2
- Dipper Arm Identification....4
- Bucket Geometry....5
- Auxiliary Hydraulic Coupler Identification....6

General-Purpose Buckets....7
- Models 142, 152....7
- Model 253....8
- Models 272, 292, 342, 362....9
- Models 753Z, 802, 803....10

Heavy-Duty Buckets....11
- Models 153, 192, 193, 222, 223....11

Werk Brau Heavy-Duty Buckets....12
- Models 303, 353, 373, 383Z....12
- Models 502, 503Z, 602, 652, 603....13
- Models 753Z, 802, 803....14
- Model 1202....15

Ditching Buckets....16
- All Models....16

Swivel Buckets....18
- Models 142, 152....18
- Models 153, 192, 193, 222, 223, 253....19
- Models 272, 292, 342, 362....20
- Models 303, 353, 373, 383Z....21
- Models 502, 503Z, 602, 603, 652....22
- Models 753Z, 802, 803....23

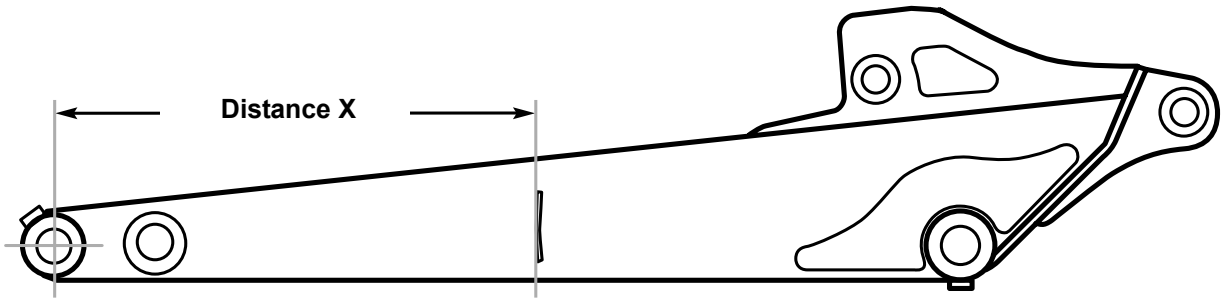
Swivel Bucket Cylinders....24
- Models 142, 152, 153, 192, 193, 222, 223, 253....24
- Models 272, 292, 303, 342, 353, 373, 383Z....25
- Models 502, 503Z, 602, 603, 652....26

Hydraulic Thumb....27
- Models 153, 223....27

Hydraulic Thumb....28
- Models 283Z, 303, 353, 373, 383Z....28
- Models 503Z, 603....29
- Models 753Z, 803....30
- Model 1202....31

Numerical Index....32

NOTES



Excavator Dipper Arm Identification Measurement

Swivel buckets and other attachments require different length hydraulic hoses depending upon the length of the dipper arm. Use the diagram and table on this page to determine dipper arm length.

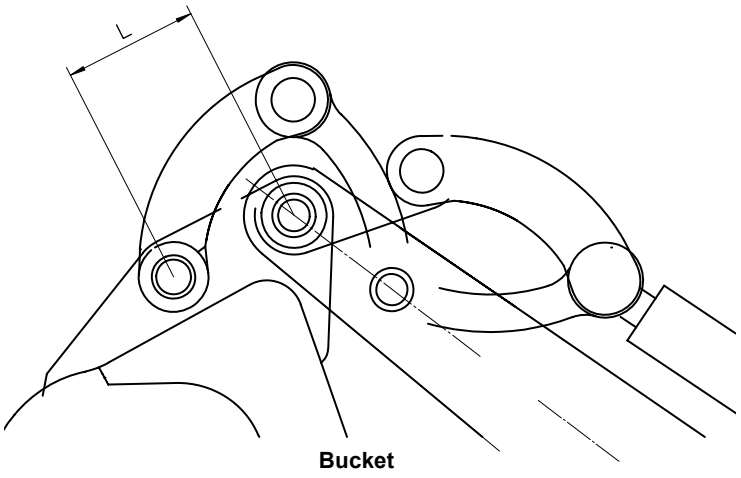
EARLIER DIPPER ARMS

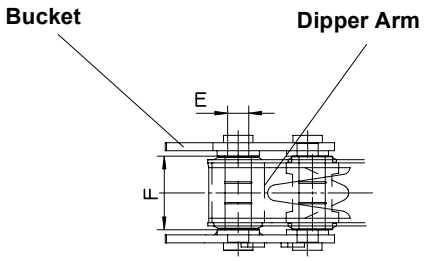
Excavator Model Number	Short Dipper Arm Distance X	Long Dipper Arm Distance X
153	29-3/4” (755 mm)	29-3/4” (755 mm)
223	32-1/2” (825 mm)	32-1/2” (825 mm)
303	22-5/8” (576 mm)	32-1/2” (826 mm)
353	28” (710 mm)	39-3/4” (1010 mm)
373	28” (710 mm)	39-3/4” (1010 mm)
383Z	35” (890 mm)	44-7/8” (1140 mm)
503Z	N/A	48-7/8” (1240 mm)
603	46-1/4” (1175 mm)	58” (1475 mm)
753Z	46-7/8” (1190 mm)	58-5/8” (1490 mm)
803	52-3/4” (1340 mm)	64-1/2” (1640 mm)
1202	51-3/4” (1315 mm)	55-3/4” (1415 mm)

LATER DIPPER ARMS

Excavator Model Number	Short Dipper Arm Distance X	Long Dipper Arm Distance X
153	29-3/4” (755 mm)	29-3/4” (755 mm)
223	32-1/2” (825 mm)	32-1/2” (825 mm)
353	28” (710 mm)	39-3/4” (1010 mm)
373	28” (710 mm)	39-3/4” (1010 mm)
283Z	N/A	44-7/8” (890 mm)
383Z	N/A	44-7/8” (890 mm)
503Z	39” (990 mm)	48-7/8” (990 mm)
603	46-1/4” (1175 mm)	58” (1175 mm)
753Z	46-7/8” (1300 mm)	58-5/8” (1300 mm)
803	52-3/4” (1300 mm)	64-1/2” (1300 mm)
1202	51-3/4” (1315 mm)	55-3/4” (1415 mm)

BUCKET GEOMETRY

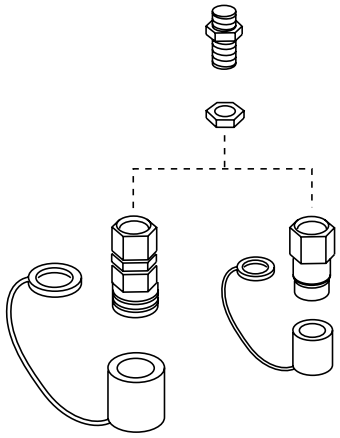




Bucket Geometry Measurements

Excavator Model Number	E - Pin Diameter	F - Dipper Arm Width	L - Bolt Distance Bucket Carrier
142	1.181” (30 mm)	4.252” (108 mm)	4.656” (108 mm)
152	1.181” (30 mm)	4.252” (108 mm)	4.656” (108 mm)
153	1.260” (32 mm)	4.646” (118 mm)	5.098” (129.5 mm)
192	1.260” (32 mm)	4.646” (118 mm)	5.098” (129.5 mm)
193	1.260” (32 mm)	4.646” (118 mm)	5.098” (129.5 mm)
222	1.260” (32 mm)	4.646” (118 mm)	5.098” (129.5 mm)
223	1.260” (32 mm)	4.646” (118 mm)	5.098” (129.5 mm)
253	1.260” (32 mm)	4.646” (118 mm)	5.098” (129.5 mm)
272	1.575” (40 mm)	5.512” (140 mm)	6.122” (155.5 mm)
283Z	1.575” (40 mm)	5.512” (140 mm)	7.087” (180 mm)
292	1.575” (40 mm)	5.512” (140 mm)	6.122” (155.5 mm)
303	1.575” (40 mm)	5.512” (140 mm)	7.087” (180 mm)
342	1.575” (40 mm)	5.512” (140 mm)	6.122” (155.5 mm)
353	1.575” (40 mm)	5.512” (140 mm)	7.087” (180 mm)
373	1.575” (40 mm)	5.512” (140 mm)	7.087” (180 mm)
383Z	1.575” (40 mm)	5.512” (140 mm)	7.087” (180 mm)
373	1.575” (40 mm)	5.512” (140 mm)	7.087” (180 mm)
503Z	1.968” (50 mm)	7.677” (195 mm)	9.291” (236 mm)
502	1.968” (50 mm)	7.677” (195 mm)	9.291” (236 mm)
602	1.968” (50 mm)	7.677” (195 mm)	9.291” (236 mm)
603	1.968” (50 mm)	7.677” (195 mm)	9.291” (236 mm)
652	1.968” (50 mm)	7.677” (195 mm)	9.291” (236 mm)
753Z	2.165” (55 mm)	7.677” (170 mm)	11.811” (300 mm)
802	2.165” (55 mm)	7.677” (170 mm)	11.811” (300 mm)
803	2.165” (55 mm)	7.677” (170 mm)	11.811” (300 mm)
1202	2.362” (60 mm)	8.661” (220 mm)	13.189” (335 mm)

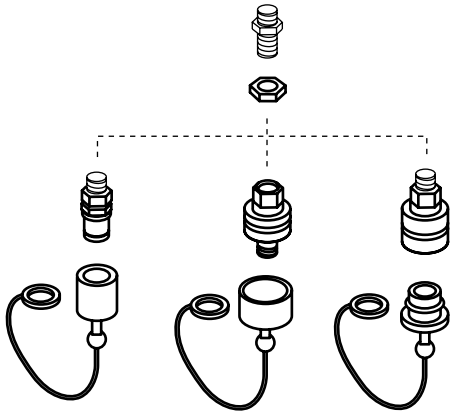
Newer (Flat-Face) Hydraulic Couplers



The auxiliary hydraulic circuit on recent excavators is equipped with flat-face style quick-couplers of this type.

New attachments which use the auxiliary hydraulic circuit (such as swivel buckets) are equipped with quick-coupler fittings which fit this style.

Older (Euro-Style) Hydraulic Couplers



The auxiliary hydraulic circuit on older excavators is equipped with euro-style quick-couplers of this type.

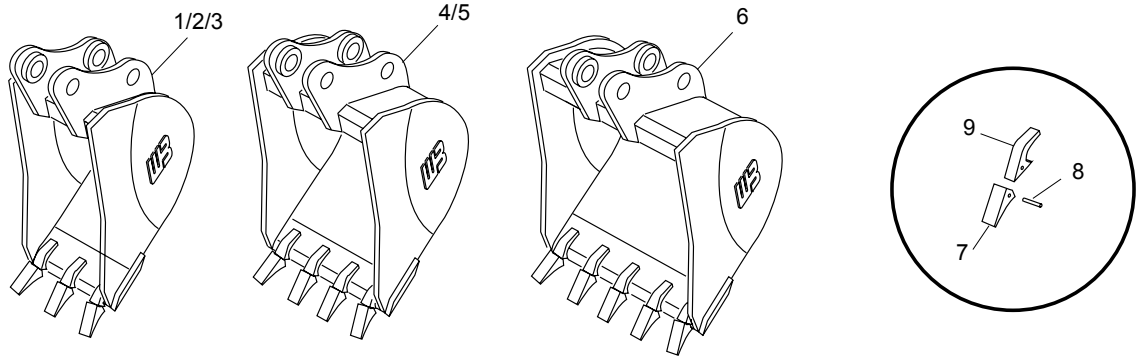
New attachments attachments which use the auxiliary hydraulic circuit (such as swivel buckets) are equipped with flat-faced style quick couplers which do not fit the older euro-style couplers.

When buying new attachments, the euro-style quick-couplers must be replaced with the flat-face style couplers shown above.

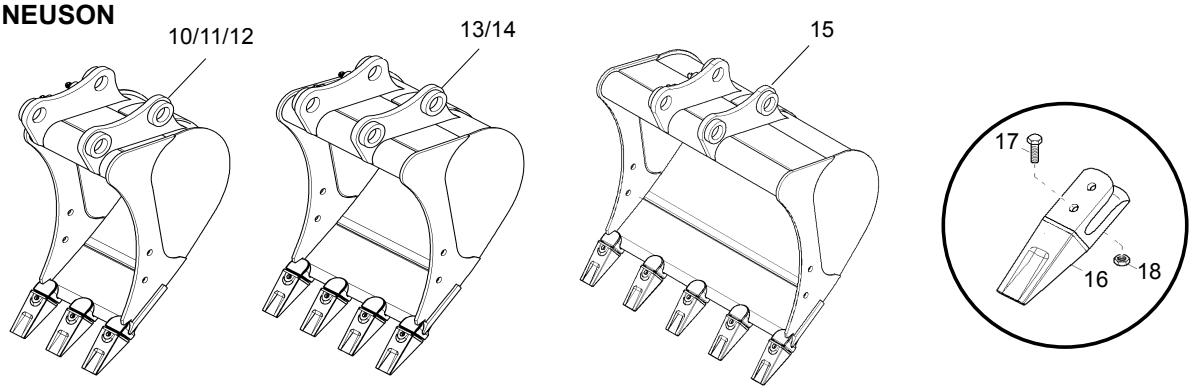
MODELS 142, 152

General-Purpose Buckets

WERK BRAU



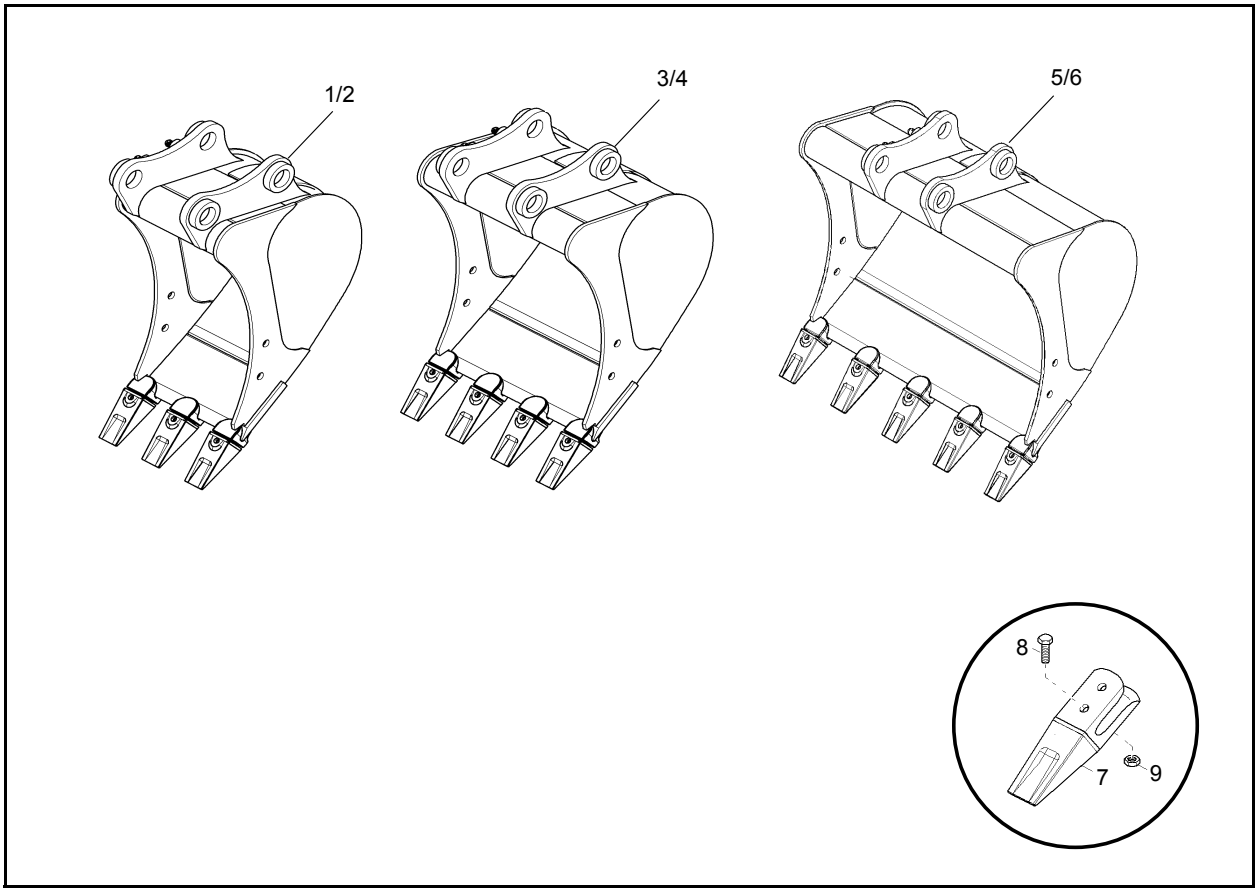
NEUSON



Ref. No.	Part No.	Description	Capacity.
1	807598*	GENERAL-PURPOSE BUCKET (WERK BRAU) 8” (200 MM)	0.6 FT^3 (0.016 M^3)
2	807599*	GENERAL-PURPOSE BUCKET (WERK BRAU) 10” (250 MM)	0.8 FT^3 (0.022 M^3)
3	807600*	GENERAL-PURPOSE BUCKET (WERK BRAU) 12” (300 MM)	1.0 FT^3 (0.028 M^3)
4	807601*	GENERAL-PURPOSE BUCKET (WERK BRAU) 16” (400 MM)	1.2 FT^3 (0.033 M^3)
5	807602*	GENERAL-PURPOSE BUCKET (WERK BRAU) 20” (500 MM)	1.5 FT^3 (0.042 M^3)
6	807603*	GENERAL-PURPOSE BUCKET (WERK BRAU) 24” (600 MM)	1.8 FT^3 (0.005 M^3)
7	207074	BUCKET TOOTH (WERK BRAU)	AS REQ.
8	207084	PIN (WERK BRAU)	AS REQ.
9	207079	SHANK (WERK BRAU)	AS REQ.

Ref. No.	Part No.	Description	Capacity.
10	807598N	GENERAL-PURPOSE BUCKET (NEUSON) 8” (200 MM)	0.6 FT^3 (0.016 M^3)
11	807599N	GENERAL-PURPOSE BUCKET (NEUSON) 10” (250 MM)	0.8 FT^3 (0.022 M^3)
12	807600N	GENERAL-PURPOSE BUCKET (NEUSON) 12” (300 MM)	1.0 FT^3 (0.028 M^3)
13	807601N	GENERAL-PURPOSE BUCKET (NEUSON) 16” (400 MM)	1.2 FT^3 (0.033 M^3)
14	807602N	GENERAL-PURPOSE BUCKET (NEUSON) 20” (500 MM)	1.5 FT^3 (0.042 M^3)
15	807603N	GENERAL-PURPOSE BUCKET (NEUSON) 24” (600 MM)	1.8 FT^3 (0.005 M^3)
16	162466	BUCKET TOOTH (NEUSON)	AS REQ.
17	651409	BOLT (NEUSON)	AS REQ.
18	651450	NUT (NEUSON)	AS REQ.

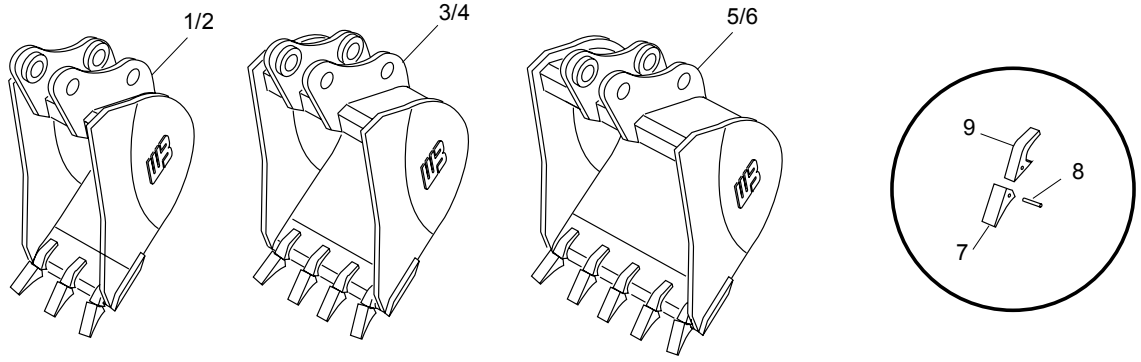
*Not an orderable part number



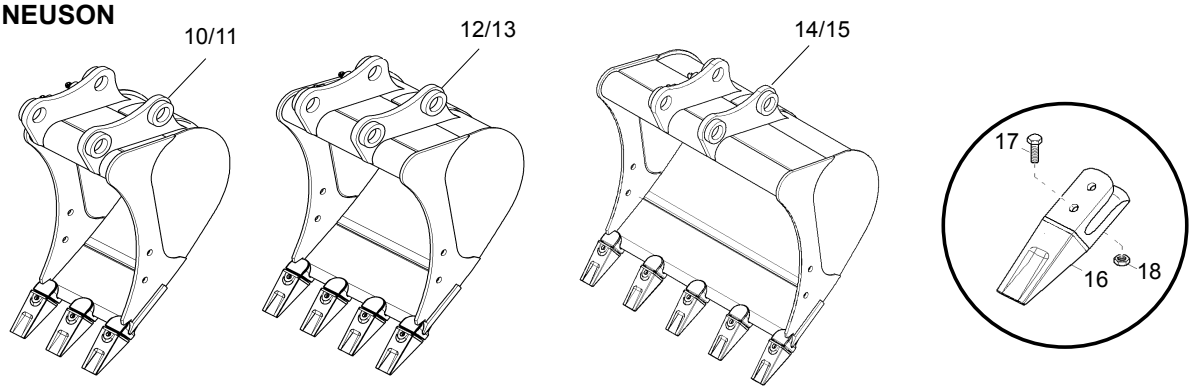
Ref. No.	Part No.	Description	Capacity.
1	808675	GENERAL-PURPOSE BUCKET (NEUSON) 10” (250 MM)	1.3 FT^3 (0.037 M^3)
2	808676	GENERAL-PURPOSE BUCKET (NEUSON) 12” (300 MM)	2.4 FT^3 (0.067 M^3)
3	808677	GENERAL-PURPOSE BUCKET (NEUSON) 16” (400 MM)	3.3 FT^3 (0.093 M^3)
4	808678	GENERAL-PURPOSE BUCKET (NEUSON) 20” (500 MM)	4.7 FT^3 (0133 M^3)
5	808679*	GENERAL-PURPOSE BUCKET (NEUSON) 24” (600 MM)	6.4 FT^3 (0.181 M^3)
6	808680*	GENERAL-PURPOSE BUCKET (NEUSON) 28” (700 MM)	3.8 FT^3 (0.107 M^3)
7	162466	BUCKET TOOTH	AS REQ.
8	162024	BOLT	AS REQ.
9	656050	NUT	AS REQ.

*Not an orderable part number

WERK BRAU



NEUSON

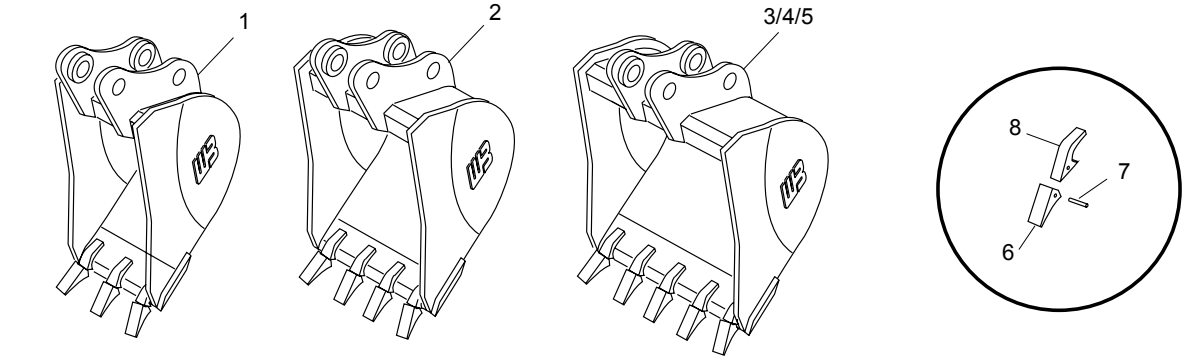


Ref. No.	Part No.	Description	Capacity.
1*	808395**	GENERAL-PURPOSE BUCKET (WERK BRAU) 8” (200 MM)	1.4 FT^3 (0.040 M^3)
2*	807613	GENERAL-PURPOSE BUCKET (WERK BRAU) 12” (300 MM)	2.4 FT^3 (0.067 M^3)
3*	807614**	GENERAL-PURPOSE BUCKET (WERK BRAU) 16” 400 MM)	3.3 FT^3 (0.093 M^3)
4*	807615**	GENERAL-PURPOSE BUCKET (WERK BRAU) 20” (500 MM)	4.7 FT^3 (0.133 M^3)
5*	807616**	GENERAL-PURPOSE BUCKET (WERK BRAU) 24” (600 MM)	6.4 FT^3 (0.181 M^3)
6*	807617**	GENERAL-PURPOSE BUCKET (WERK BRAU) 28” (700 MM)	8.8 FT^3 (0.250 M^3)
7	207074	BUCKET TOOTH (WERK BRAU)	3
8	207084	PIN (WERK BRAU)	3
9	207079	SHANK (WERK BRAU)	3

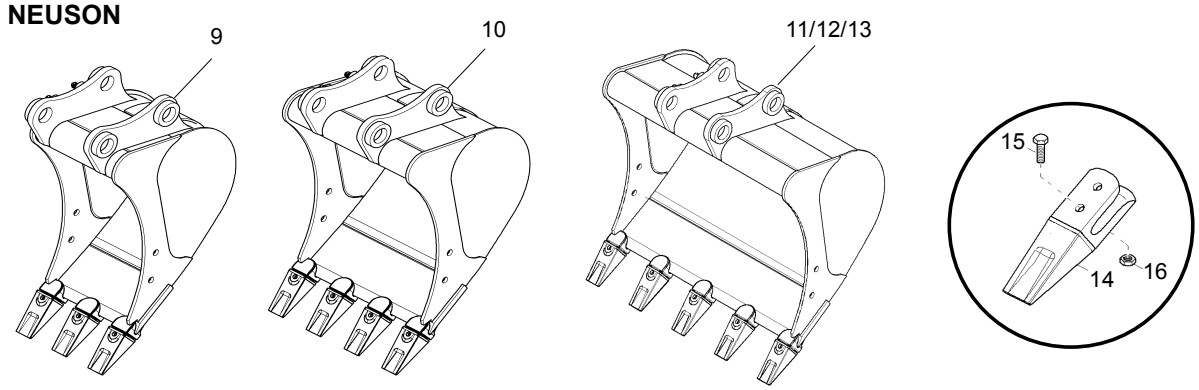
Ref. No.	Part No.	Description	Capacity.
10*	808395N**	GENERAL-PURPOSE BUCKET (NEUSON) 8” (200 MM)	1.4 FT^3 (0.040 M^3)
11*	807613N	GENERAL-PURPOSE BUCKET (NEUSON) 12” (300 MM)	2.4 FT^3 (0.067 M^3)
12*	807614N	GENERAL-PURPOSE BUCKET (NEUSON) 16” 400 MM)	3.3 FT^3 (0.093 M^3)
13*	807615N	GENERAL-PURPOSE BUCKET (NEUSON) 20” (500 MM)	4.7 FT^3 (0.133 M^3)
14*	807616N	GENERAL-PURPOSE BUCKET (NEUSON) 24” (600 MM)	6.4 FT^3 (0.181 M^3)
15*	807617N	GENERAL-PURPOSE BUCKET (NEUSON) 28” (700 MM)	8.8 FT^3 (0.250 M^3)
16	162466	BUCKET TOOTH (NEUSON)	AS REQ.
17	651409	BOLT (NEUSON)	AS REQ.
18	651450	NUT (NEUSON)	AS REQ.

*Requires 2 Connecting links 165731
**Not an orderable part number

WERK BRAU



NEUSON



Ref. No.	Part No.	Description	Capacity.
1	807627	GENERAL-PURPOSE BUCKET (WERK BRAU) 12" (300 MM)	3.3 FT^3 (0.093 M^3)
2	807628**	GENERAL-PURPOSE BUCKET (WERK BRAU) 18" (450 MM)	5.1 FT^3 (0.144 M^3)
3	807629	GENERAL-PURPOSE BUCKET (WERK BRAU) 24" (600 MM)	7.1 FT^3 (0.201 M^3)
4	807630	GENERAL-PURPOSE BUCKET (WERK BRAU) 30" (750 MM)	9.2 FT^3 (0.260 M^3)
5	807631**	GENERAL-PURPOSE BUCKET (WERK BRAU) 36" (900 MM)	11.3 FT^3 (0.319 M^3)
6	207076	BUCKET TOOTH (WERK BRAU)	AS REQ.
7	207084	PIN (WERK BRAU)	AS REQ.
8	207083	SHANK (WERK BRAU)	AS REQ.

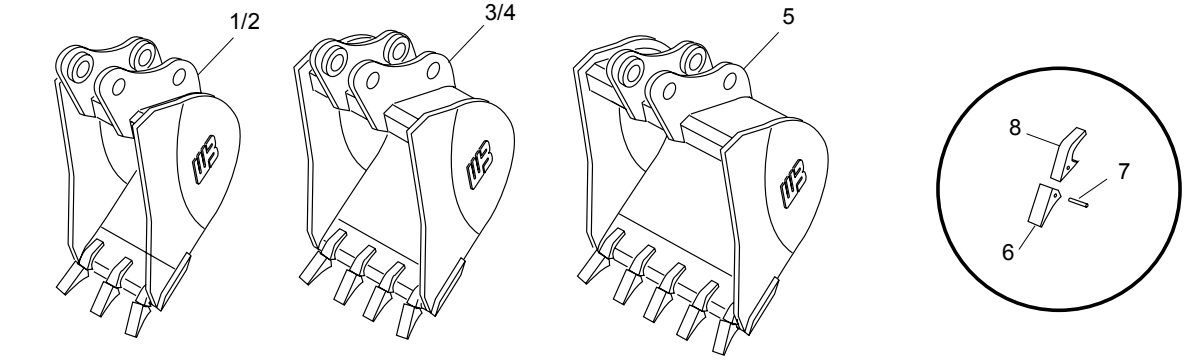
Ref. No.	Part No.	Description	Capacity.
9	807627N	GENERAL-PURPOSE BUCKET (NEUSON) 12" (300 MM)	3.3 FT^3 (0.093 M^3)
10	807628N	GENERAL-PURPOSE BUCKET (NEUSON) 18" (450 MM)	5.1 FT^3 (0.144 M^3)
11	807629N	GENERAL-PURPOSE BUCKET (NEUSON) 24" (600 MM)	7.1 FT^3 (0.201 M^3)
12	807630N	GENERAL-PURPOSE BUCKET (NEUSON) 30" (750 MM)	9.2 FT^3 (0.260 M^3)
13	807631N**	GENERAL-PURPOSE BUCKET (NEUSON) 36" (900 MM)	11.3 FT^3 (0.319 M^3)
14	162466	BUCKET TOOTH (NEUSON)	AS REQ.
15	651409	BOLT (NEUSON)	AS REQ.
16	651450	NUT (NEUSON)	AS REQ.

*Use Neuson eqivalent for service
**Not an orderable part number

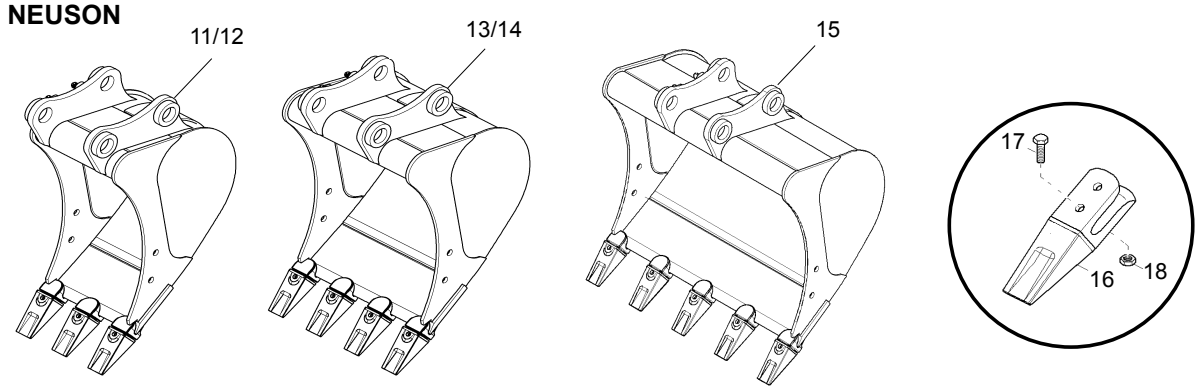
MODELS 153, 192, 193, 222, 223

Heavy-Duty Buckets

WERK BRAU



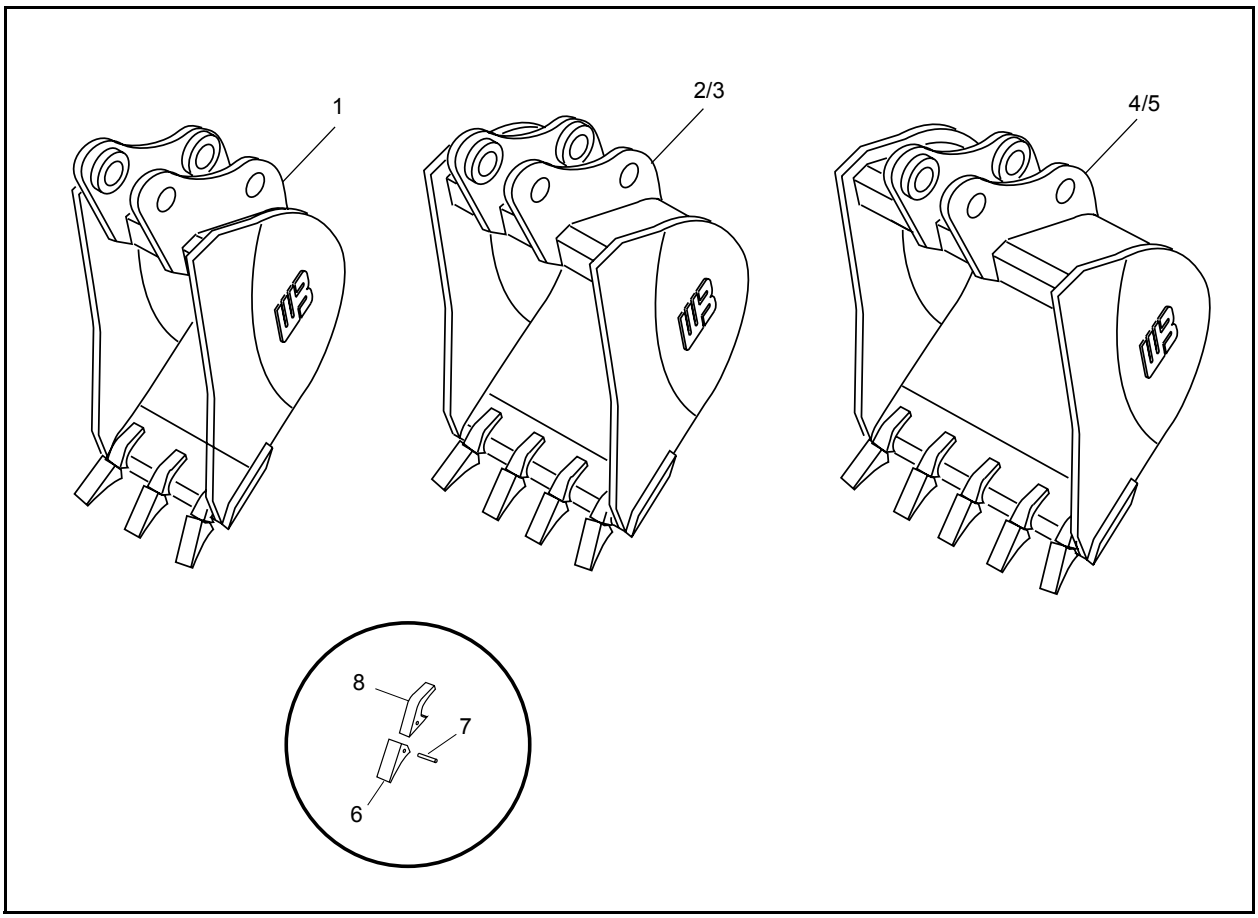
NEUSON



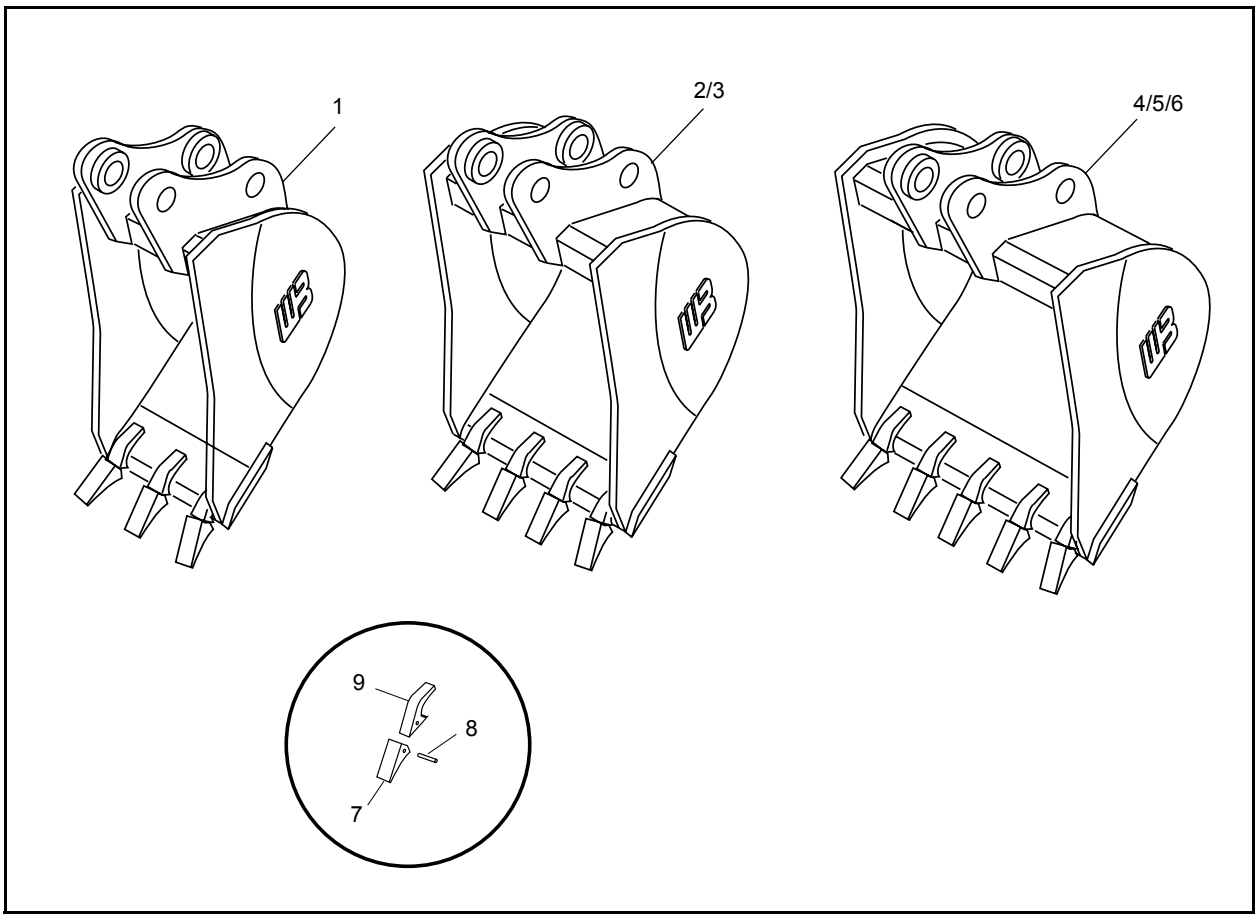
Ref. No.	Part No.	Description	Capacity.
1	807606	HEAVY-DUTY BUCKET (WERK BRAU) 10” (250 MM)	1.1 FT^3 (0.031 M^3)
2	807607	HEAVY-DUTY BUCKET (WERK BRAU) 12” (300 MM)	1.3 FT^3 (0.037 M^3)
3	807608	HEAVY-DUTY BUCKET (WERK BRAU) 16” (400 MM)	1.6 FT^3 (0.045 M^3)
4	807609	HEAVY-DUTY BUCKET (WERK BRAU) 20” (500 MM)	2.3 FT^3 (0.065 M^3)
5	807610	HEAVY-DUTY BUCKET (WERK BRAU) 24” (600 MM)	2.7 FT^3 (0.076 M^3)
6	207074	BUCKET TOOTH (WERK BRAU)	AS REQ.
7	207084	ROLL PIN (WERK BRAU)	AS REQ.
8	207079	SHANK (WERK BRAU)	AS REQ.

Ref. No.	Part No.	Description	Capacity.
11	807606N	HEAVY-DUTY BUCKET (NEUSON) 10” (250 MM)	1.1 FT^3 (0.031 M^3)
12	807607N	HEAVY-DUTY BUCKET (NEUSON) 12” (300 MM)	1.3 FT^3 (0.037 M^3)
13	807608N	HEAVY-DUTY BUCKET (NEUSON) 16” (400 MM)	1.6 FT^3 (0.045 M^3)
14	807609N	HEAVY-DUTY BUCKET (NEUSON) 20” (500 MM)	2.3 FT^3 (0.065 M^3)
15	807610N*	HEAVY-DUTY BUCKET (NEUSON) 24” (600 MM)	2.7 FT^3 (0.076 M^3)
16	162466	BUCKET TOOTH (NEUSON)	AS REQ.
17	651409	BOLT (NEUSON)	AS REQ.
18	651450	NUT (NEUSON)	AS REQ.

*Not an orderable part number

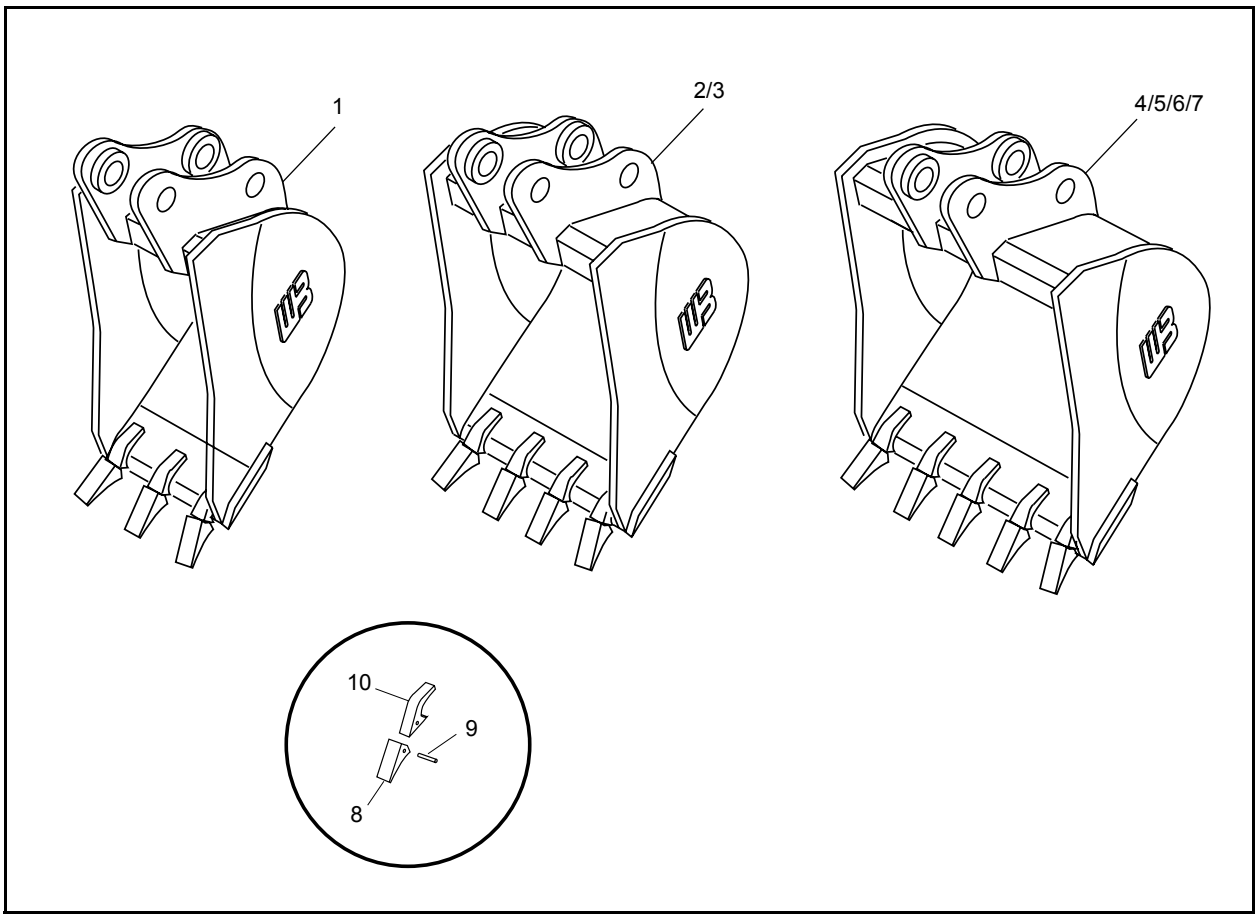


Ref. No.	Part No.	Description	Capacity.
1	808685	HEAVY-DUTY BUCKET 12” (300 MM)	1.8 FT^3 (0.050 M^3)
2	808686	HEAVY-DUTY BUCKET 16” (400 MM)	2.4 FT^3 (0.067 M^3)
3	808687	HEAVY-DUTY BUCKET 20” (500 MM)	3.1 FT^3 (0.087 M^3)
4	808688	HEAVY-DUTY BUCKET 24” (600 MM)	3.8 FT^3 (0.107 M^3)
5	808689	HEAVY-DUTY BUCKET 28” (700 MM)	4.8 FT^3 (0.136 M^3)
6	207074	BUCKET TOOTH	AS REQ.
7	207084	PIN	AS REQ.
8	207079	SHANK	AS REQ.



Ref. No.	Part No.	Description	Capacity.
1	807620	HEAVY-DUTY BUCKET 10” (250 MM)	2.5 FT^3 (0.070 M^3)
2	807621	HEAVY-DUTY BUCKET 16” (400 MM)	3.3 FT^3 (0.093 M^3)
3	807622	HEAVY-DUTY BUCKET 20” (500 MM)	3.7 FT^3 (0.104 M^3)
4	807623	HEAVY-DUTY BUCKET 24” (600 MM)	6.4 FT^3 (0.181 M^3)

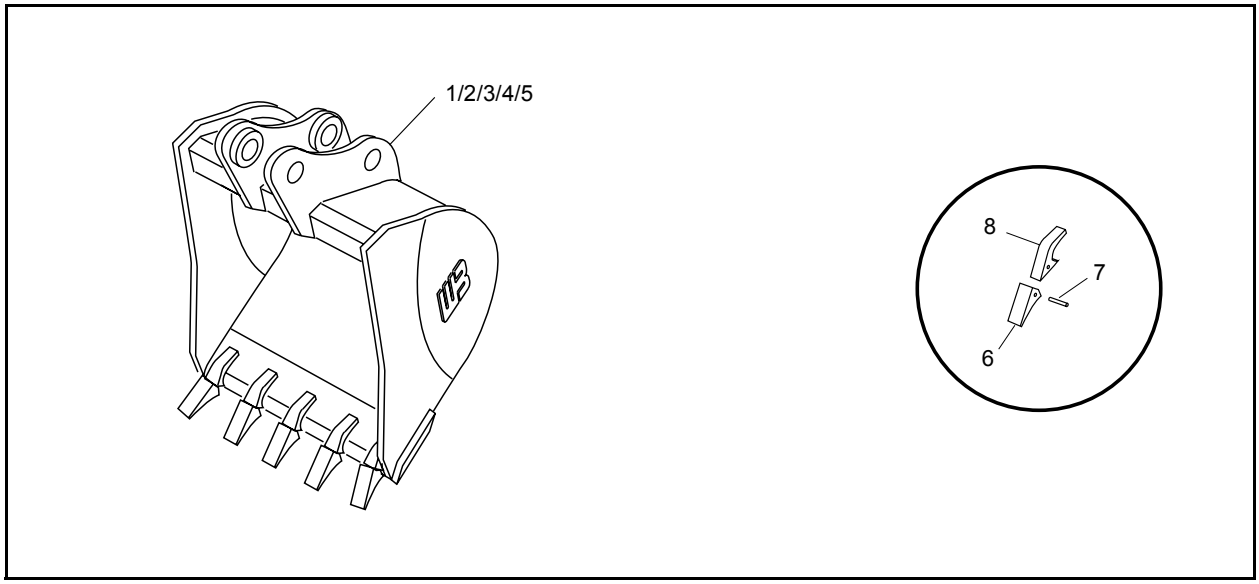
Ref. No.	Part No.	Description	Capacity.
5	807624	HEAVY-DUTY BUCKET 30” (750 MM)	8.8 FT^3 (0.249 M^3)
6	809316	HEAVY-DUTY BUCKET 36” (900 MM)	9.8 FT^3 (0.278 M^3)
7	207074	BUCKET TOOTH	AS REQ.
8	207084	PIN	AS REQ.
9	207079	SHANK	AS REQ.



Ref. No.	Part No.	Description	Capacity.
1	808092	HEAVY-DUTY BUCKET 12” (300 MM)	3.9 FT^3 (0.110 M^3)
2	808093	HEAVY-DUTY BUCKET 16” (400 MM)	5.5 FT^3 (0.156 M^3)
3	808094	HEAVY-DUTY BUCKET 18” (450 MM)	6.2 FT^3 (0.176 M^3)
4	808095	HEAVY-DUTY BUCKET 20” (500 MM)	7.0 FT^3 (0.198 M^3)
5	808096	HEAVY-DUTY BUCKET 24” (600 MM)	8.0 FT^3 (0.227 M^3)
6	808097	HEAVY-DUTY BUCKET 30” (750 MM)	10.9 FT^3 (0.308 M^3)
7	808098	HEAVY-DUTY BUCKET 36” (900 MM)	13.4 FT^3 (0.379 M^3)
8	207076	BUCKET TOOTH	AS REQ.
9	207084	PIN	AS REQ.
10	207083	SHANK	AS REQ.

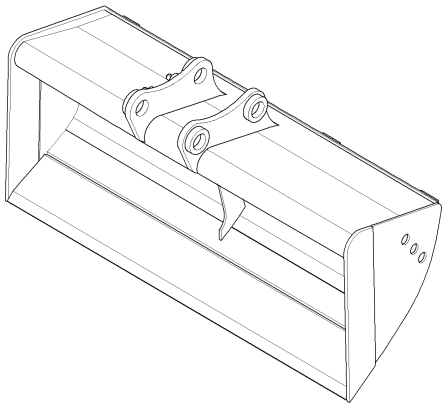
MODEL 1202

Werk Brau Heavy-Duty Buckets



Ref. No.	Part No.	Description	Capacity.
1	808391	HEAVY-DUTY BUCKET 30” (750 MM)	14 FT^3 (0.396 M^3)
2*	808392*	HEAVY-DUTY BUCKET 36” (900 MM)	17 FT^3 (0.481 M^3)
3*	808393	HEAVY-DUTY BUCKET 40” (1000 MM)	18 FT^3 (0.509 M^3)
4*	808394	HEAVY-DUTY BUCKET 42” (1050 MM)	20 FT^3 (0.560 M^3)
5	809339	HEAVY-DUTY BUCKET 24” (600 MM)	10.9 FT^3 (0.308 M^3)
6	207075	BUCKET TOOTH	AS REQ.
7	207086	PIN	AS REQ.
8	207081	SHANK	AS REQ.

*Additional counterweight required. See excavator parts manual.



142
152

Bucket Part No.	Description	Capacity
807604	GENERAL-PURPOSE DITCHING BUCKET 31” (775 MM)	1.9 FT^3 (0.040 M^3)

153
192
193
222
223

Bucket Part No.	Description	Capacity
807611	GENERAL-PURPOSE DITCHING BUCKET 33” (800 MM)	2.2 FT^3 (0.040 M^3)

253

Bucket Part No.	Description	Capacity
808682	GENERAL-PURPOSE DITCHING BUCKET 33” (700 MM)	1.9 FT^3 (0.062 M^3)

272
292
303 *
342
353 *
362
373 *

Bucket Part No.	Description	Capacity
807618 *	GENERAL-PURPOSE DITCHING BUCKET 39” (1000 MM)	3.6 FT^3 (0.101 M^3)

*Not an orderable part number; Models 253, 303, & 373 need two connecting links 165731.See excavator parts manual

303
353
373
383Z

Bucket Part No.	Description	Capacity
808690	HEAVY-DUTY DITCHING BUCKET 39” (1000 MM)	4.1 FT^3 (0.116 M^3)
808691	HEAVY-DUTY DITCHING BUCKET 55” (1400 MM)	5.9 FT^3 (0.167 M^3)

ALL MODELS

Ditching Buckets

503Z

Bucket Part No.	Description	Capacity
807625	HEAVY-DUTY DITCHING BUCKET 48” (1000 MM)	5.9 FT^3 (0.167 M^3)
809148*	HEAVY-DUTY DITCHING BUCKET 48” (1000 MM)	7.0 FT^3 (0.198 M^3)
809149*	HEAVY-DUTY DITCHING BUCKET 55” (1400 MM)	8.4 FT^3 (0.238 M^3)

*Not an orderable part number

1202

Bucket Part No.	Description	Capacity
*	HEAVY-DUTY DITCHING BUCKET 60” (1525 MM)	22.7 FT^3 (0.643 M^3)

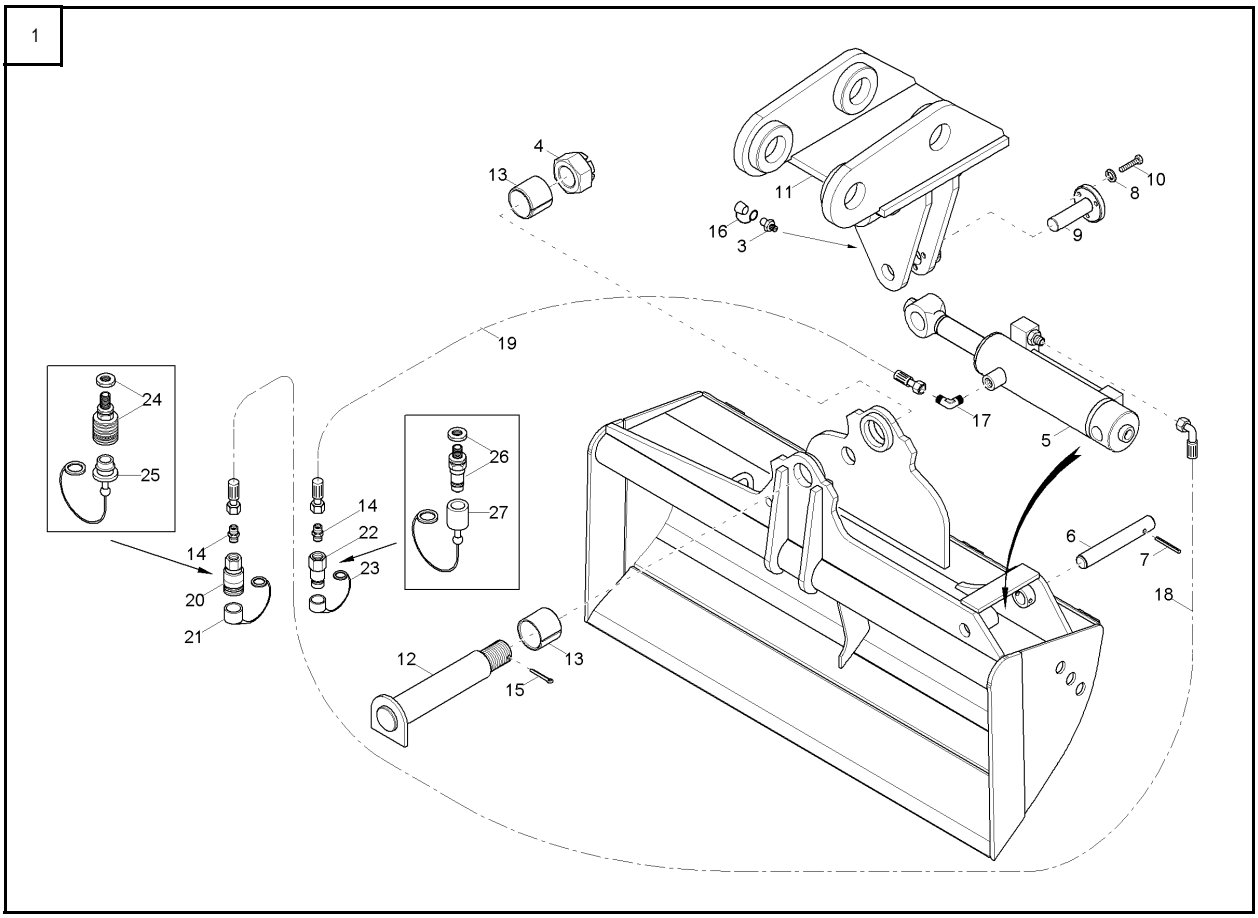
*Contact CEA Attachments

502
602
603
652W

Bucket Part No.	Description	Capacity
807625	HEAVY-DUTY DITCHING BUCKET 48” (1000 MM)	5.9 FT^3 (0.167 M^3)

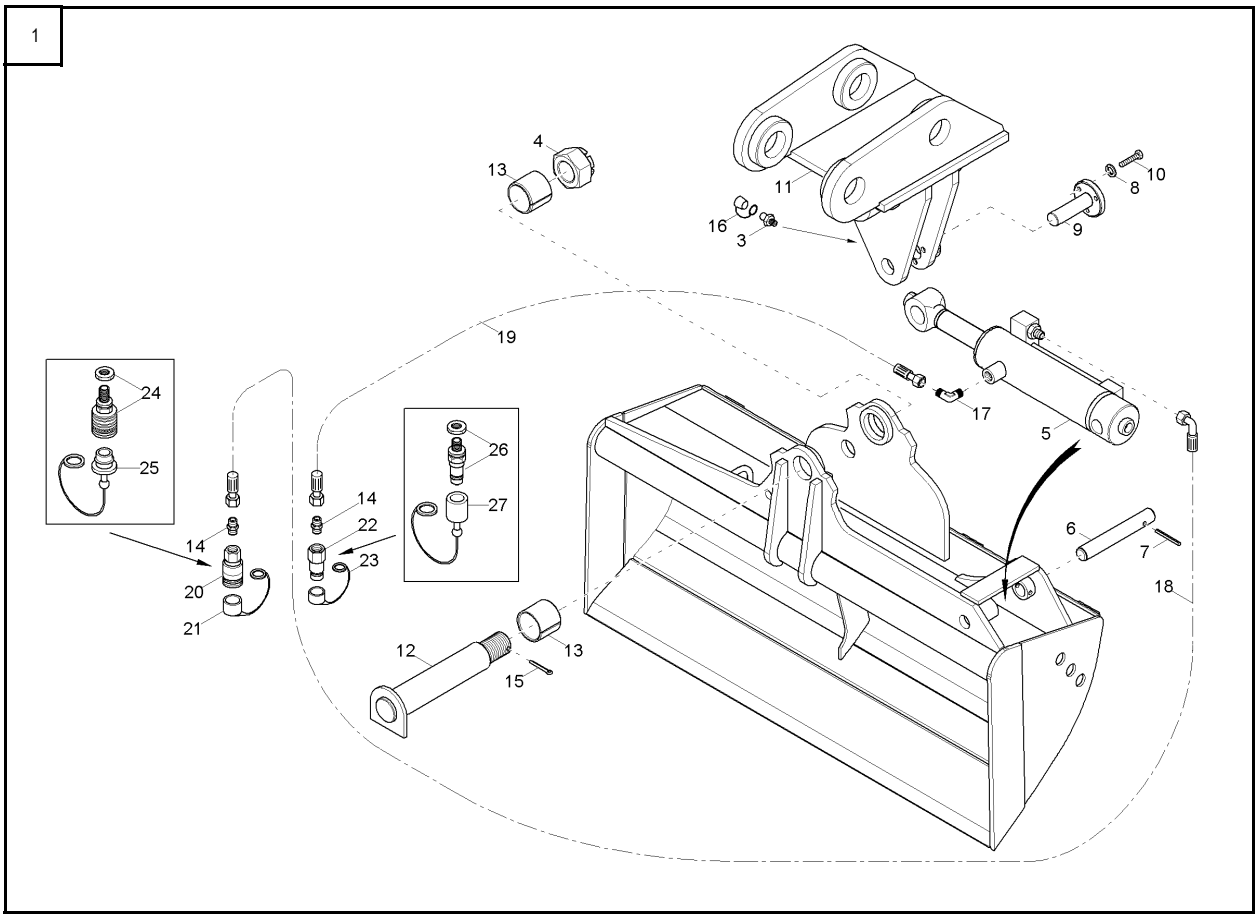
753Z
802
803

Bucket Part No.	Description	Capacity
807632	HEAVY-DUTY DITCHING BUCKET 48” (1000 MM)	7.6 FT^3 (0.215 M^3)
807633	HEAVY-DUTY DITCHING BUCKET 60” (1525 MM)	9.7 FT^3 (0.275 M^3)



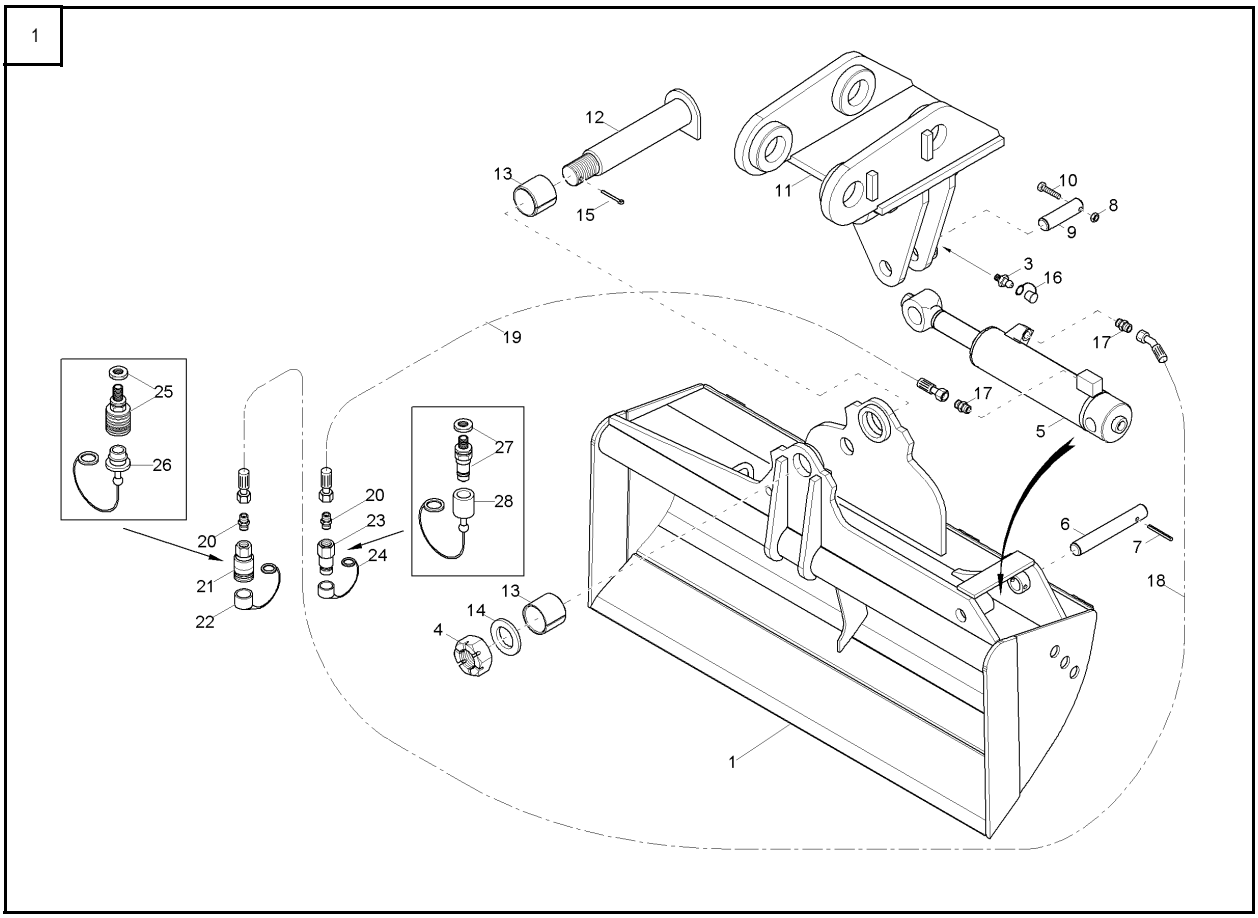
Ref. No.	Part No.	Description	Qty.
1	807605	BUCKET/SWIVEL 31” (850 MM) 1.6 FT^3 (0.045 M^3)	1
3	161441	GREASE ZERK	1
4	651443	HN SLTD M36-4 C8ZY	1
5	204046	CYLINDER See page 24 for individual components	1
6	207478	PIN	1
7	207478	COTTER PIN	1
8	656110	LW M8 R20	3
9	208116	PIN	1
10	177648	HEX SCREW	3
11	204509	SWIVEL BRACKET	1
12	207477	PIN	2
13	208117	BUSHING 45/55 X 40	2
14	161430	SCREW JOINT	2
15	161682	PIN/SPRING M6.3 X 63 ZO	1

Ref. No.	Part No.	Description	Qty.
16	161422	CAP	1
17	161440	ELBOW	2
18	205688	HP HOSE	1
19	165852	HP HOSE	1
20	177798	QUICK COUPLER (Flat-face coupler. See page 6)	1
21	177804	DUST PLUG	1
22	177794	QUICK COUPLER (Flat-Face coupler. See page 6)	1
23	177803	DUST CAP	1
24	160467	QUICK COUPLER (Euro-style coupler. See page 6)	1
25	160458	DUST PLUG	1
26	160468	QUICK COUPLER (Euro-style coupler. See page 6)	1
27	160459	DUST CAP	1



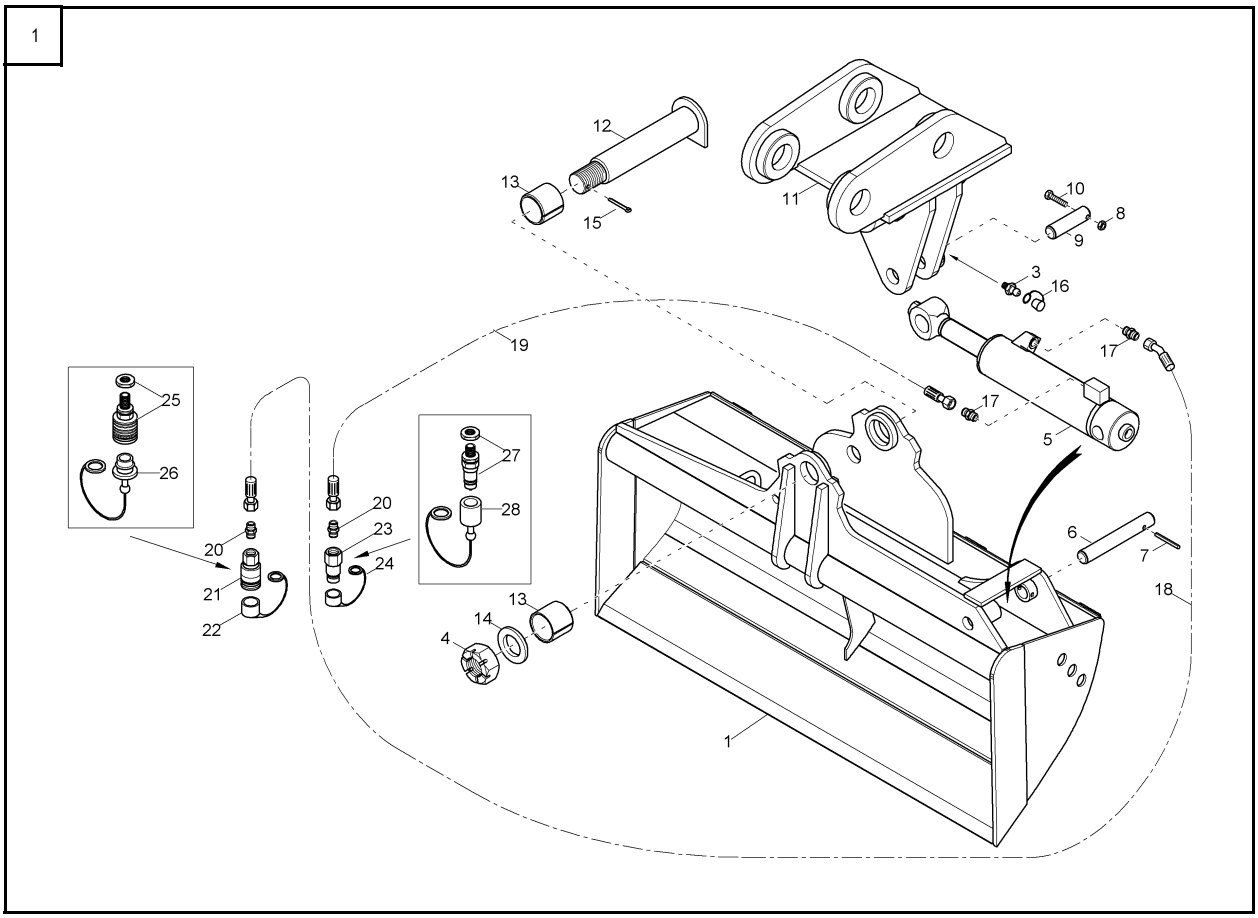
Ref. No.	Part No.	Description	Qty.
1	807612	BUCKET/SWIVEL 33” (850 MM) 2.0 FT^3 (0.057 M^3)	1
3	161441	GREASE ZERK	1
4	651443	HN SLTD M36-4 C8ZY	1
5	204046	CYLINDER See page 24 for individual components	1
6	207478	PIN	1
7	207484	COTTER PIN	1
8	656110	LW M8 R20	3
9	208116	PIN	1
10	177648	HEX SCREW	3
11	204510	SWIVEL BRACKET	1
12	207477	PIN	2
13	208117	BUSHING 45/55 X 40	2
14	161430	SCREW JOINT	2
15	161682	PIN/SPRING M6.3 X 63 ZO	1
16	161422	CAP	1
17	161440	ELBOW	2

Ref. No.	Part No.	Description	Qty.
18	205688	HP HOSE	1
	207482	HP HOSE (REQUIRED FOR LONG DIPPER ARM ON MODELS 252/ME2503)	1
19	165852	HP HOSE	1
	207483	HP HOSE (REQUIRED FOR LONG DIPPER ARM ON MODELS 252/ME2503)	1
20	177798	QUICK COUPLER (Flat-face coupler. See page 6)	1
21	177804	DUST PLUG	1
22	177794	QUICK COUPLER (Flat-Face coupler. See page 6)	1
23	177803	DUST CAP	1
24	160467	QUICK COUPLER (Euro-style coupler. See page 6)	1
25	160458	DUST PLUG	1
26	160468	QUICK COUPLER (Euro-style coupler. See page 6)	1
27	160459	DUST CAP	1



Ref. No.	Part No.	Description	Qty.
1	808692	BUCKET/SWIVEL 39" (1000 MM) 3.0 FT^3 (0.110 M^3)	1
3	161411	GREASE ZERK	1
4	651443	HN SLTD M36-4 C8ZY	1
5	206059	SWIVEL BUCKET CYLINDER See page 25 for individual components	1
6	205680	PIN	1
7	207484	COTTER PIN	1
8	651458	LN INS M8-1.25 C8ZY	1
9	205681	PIN	1
10	651438	HB M8-1.25 X 70	1
11	204511	SWIVEL BRACKET (1000070343)	1
12	205679	PIN	1
13	205696	BUSHING	2
14	205700	FLAT WASHER	1
15	161682	PIN/SPRING M6.3 X 63 ZO	1
16	161422	CAP	1

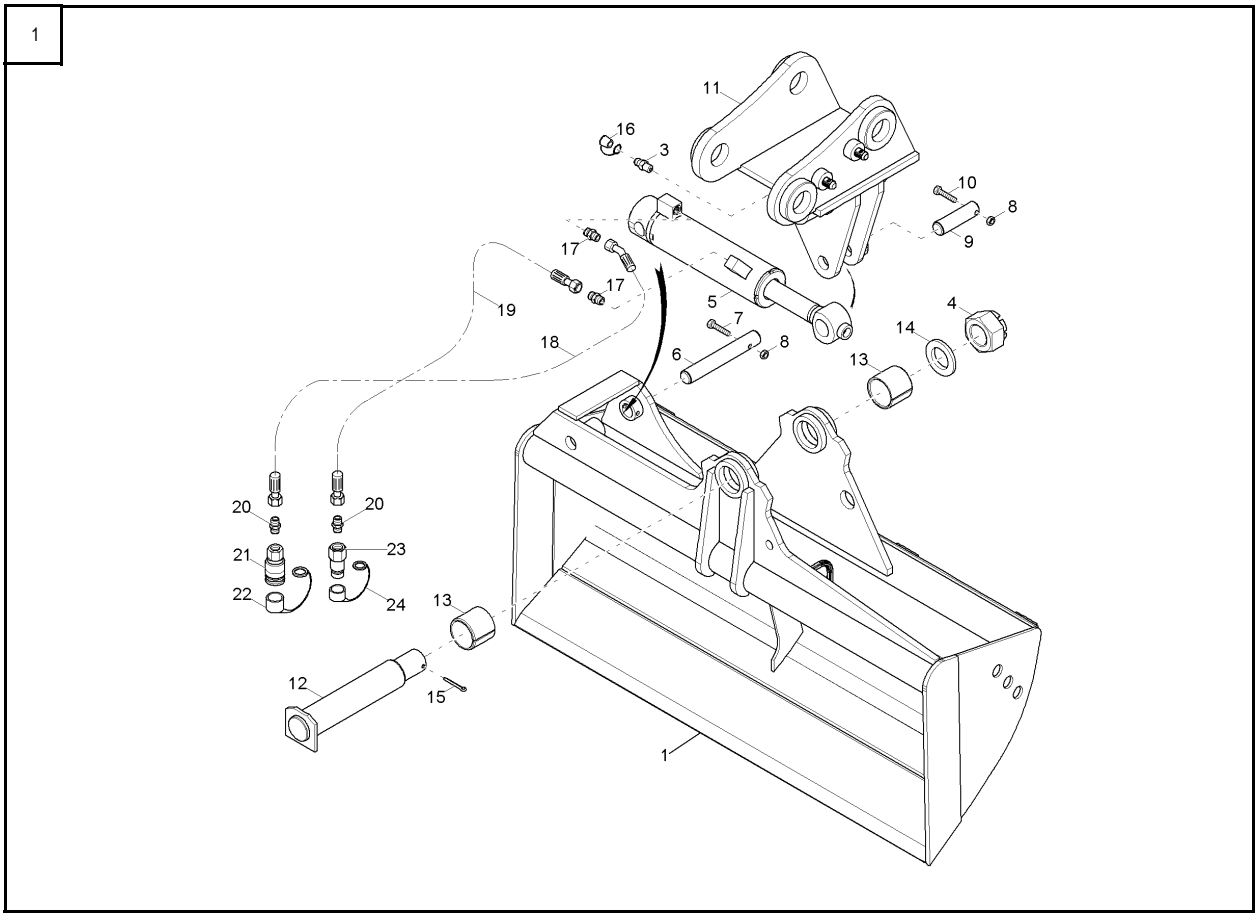
Ref. No.	Part No.	Description	Qty.
17	161429	SCREW JOINT	2
18	205670	HP HOSE	1
19	205688	HP HOSE	1
20	161430	SCREW JOINT	2
21	177798	QUICK COUPLER (Flat-face coupler. See page 6)	1
22	177804	DUST PLUG	1
23	177794	QUICK COUPLER (Flat-Face coupler. See page 6)	1
24	177803	DUST CAP	1
25	160467	QUICK COUPLER (Euro-style coupler. See page 6)	1
26	160458	DUST PLUG	1
27	160468	QUICK COUPLER (Euro-style coupler. See page 6)	1
28	160459	DUST CAP	1



Ref. No.	Part No.	Description	Qty.
1	808692	BUCKET/SWIVEL 40” (1000 MM) 3.9 FT^3 (0.110 M^3)	1
	808693	BUCKET/SWIVEL 55” (1400 MM) 5.6 FT^3 (0.159 M^3)	1
3	161441	GREASE ZERK	1
4	651443	HN SLTD M36-4 C8ZY	1
5	206059	SWIVEL BUCKET CYLINDER See page 25 for individual components	1
6	205680	PIN	1
7	207478	COTTER PIN	1
8	651458	LN INS M8-1.25 C8ZY	1
9	205681	PIN	1
10	651438	HB M8-1.25 X 70	1
11	205766	SWIVEL BUCKET	1
12	205679	PIN	1
13	205696	BUSHING	2
14	205700	FLAT WASHER	1
15	161682	PIN/SPRING M6.3 X 63 ZO	1

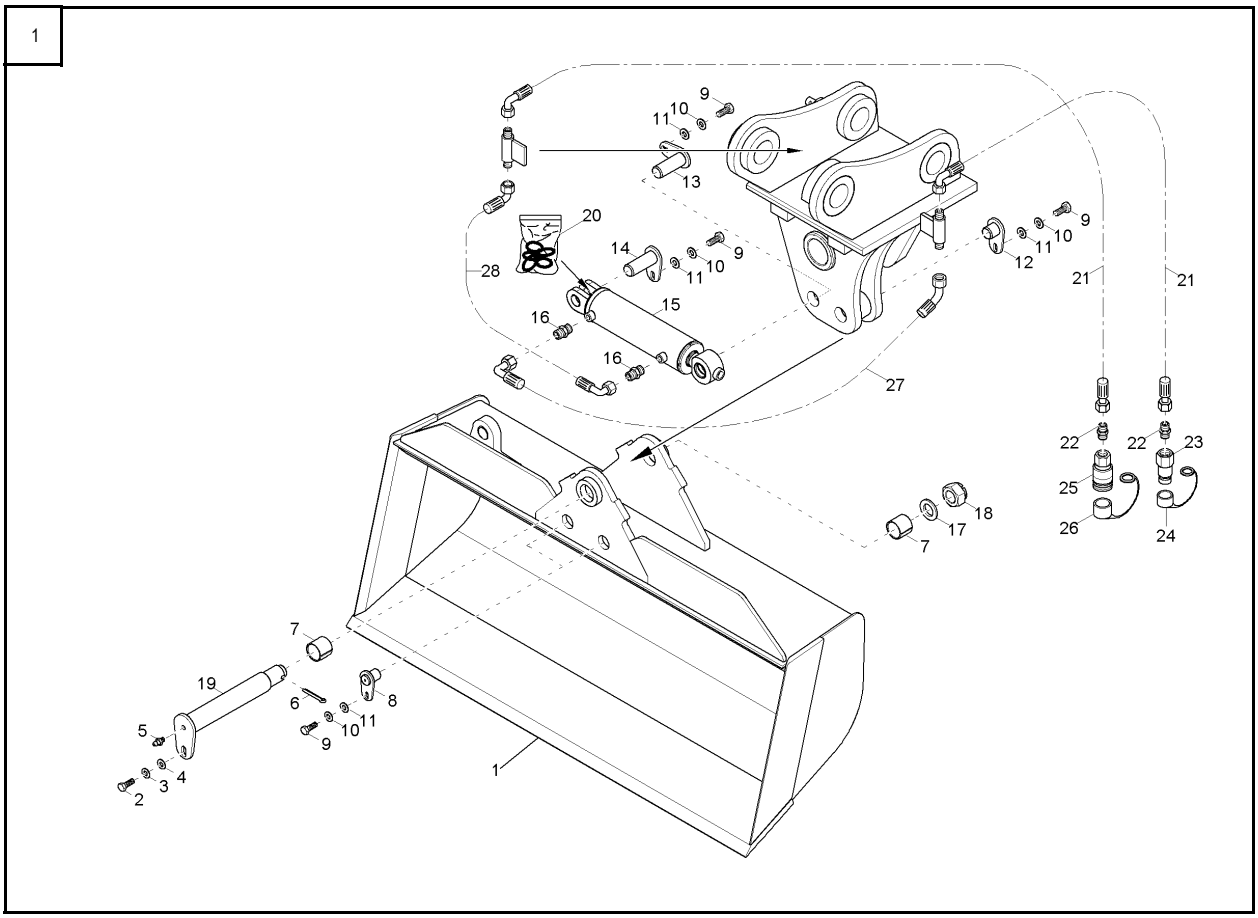
Ref. No.	Part No.	Description	Qty.
16	161422	CAP	1
17	161429	SCREW JOINT	2
18	205670	HP HOSE	1
19	205688	HP HOSE	1
20	161430	SCREW JOINT	2
21	177798	QUICK COUPLER (Flat-face coupler. See page 6)	1
22	177804	DUST PLUG	1
23	177794	QUICK COUPLER (Flat-Face coupler. See page 6)	1
24	177803	DUST CAP	1
25	160467	QUICK COUPLER (Euro-style coupler. See page 6)	1
26	160458	DUST PLUG	1
27	160468	QUICK COUPLER (Euro-style coupler. See page 6)	1
28	160459	DUST CAP	1

1



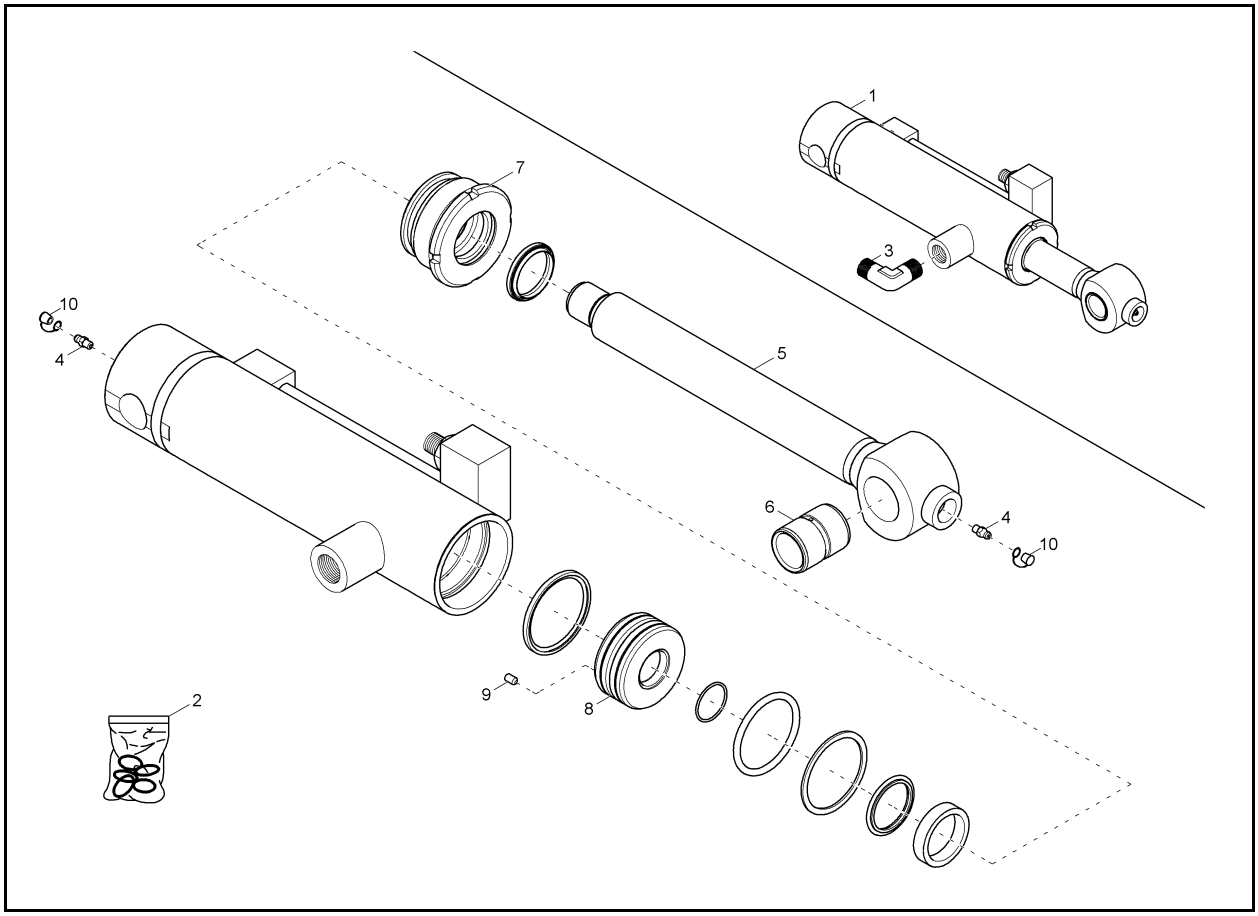
Ref. No.	Part No.	Description	Qty.
1	807626	BUCKET/SWIVEL 48” (1200 MM) 5.9 FT^3 (0.167 M^3)	1
	809155	BUCKET/SWIVEL 48” (1200 MM) 7.0 FT^3 (0.198 M^3)	1
	809156	BUCKET/SWIVEL 55” (1400 MM) 8.4 FT^3 (0.238 M^3)	1
3	161411	GREASE ZERK	1
4	651444	HN SLTD M48-3 F8 ZY	1
5	204065	CYLINDER/SWIVEL BUCKET See page 26 for individual components	1
6	177627	PIN	1
7	651437	HB M8-1.25 X 60 C8.8SY	1
8	651458	LN INS M8-1.25 C8 ZY	2
9	177628	PIN	1
10	651438	HB M8-1.25 X 70 C8.8 ZY	1
11	177622	SWIVEL BRACKET	1

Ref. No.	Part No.	Description	Qty.
12	177626	PIN	1
13	177620	BUSHING	2
14	177623	SPACER/SWIVEL BRACKET	1
15	161683	PIN/SPRING M8 X 80 ZO	1
16	161416	PROTECTION CAP	1
17	161429	SCREW JOINT 12L	2
18	204513	HP HOSE	1
19	204515	HP HOSE	1
20	161430	SCREW JOINT	2
21	177798	COUPLING/FEMALE	1
22	177804	DUST CAP SLEEVE	1
23	177797	COUPLING/MALE A13 BG3	1
24	177803	DUST CAP PLUG	1



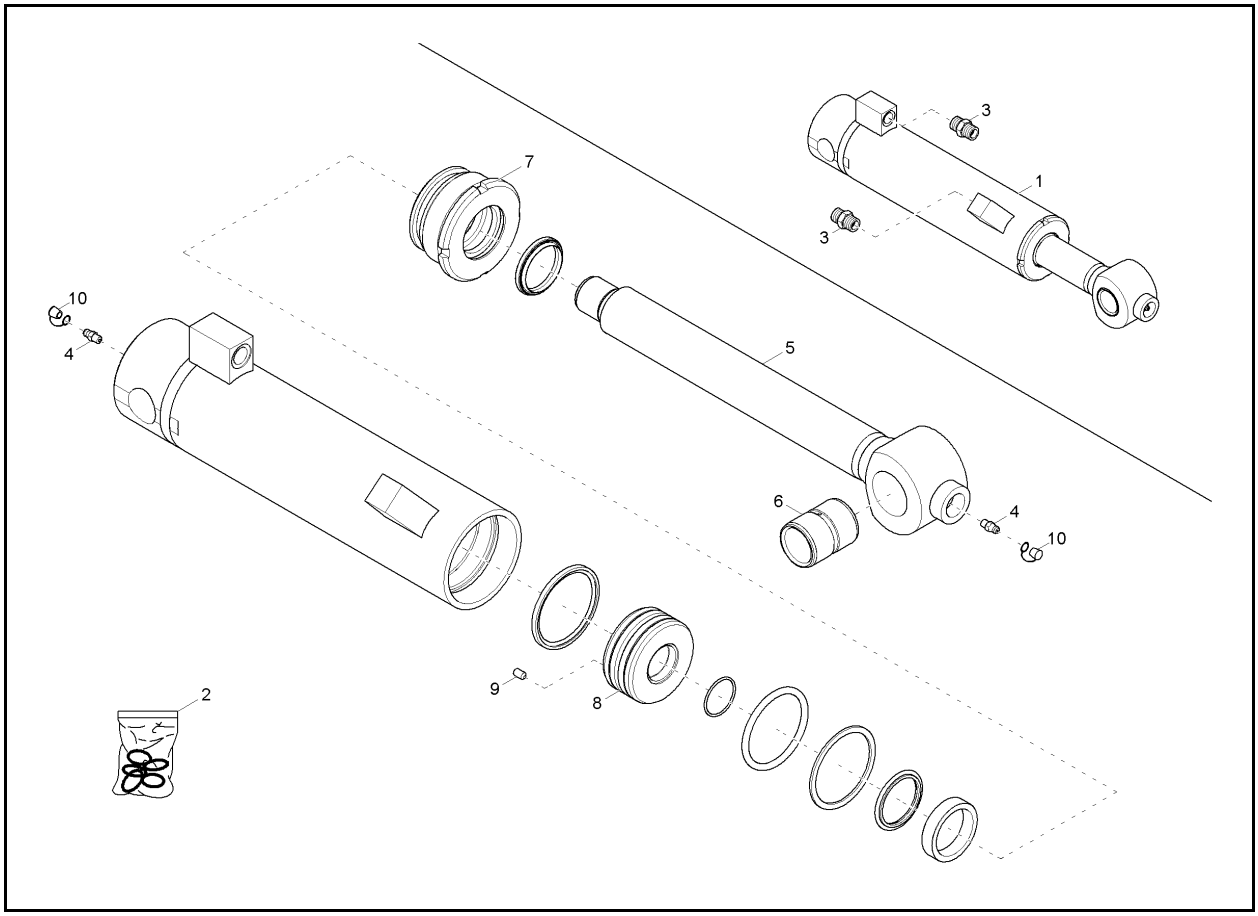
Ref. No.	Part No.	Description	Qty.
1	807634	BUCKET/SWIVEL 60” (1525 MM) 8.8 FT^3 (0.250 M^3)	1
2	9901160G	SCREW	1
3	204494	SPRING RING	1
4	7451680116	WASHER B17-140HV A2C	1
5	161412	GREASE ZERK	1
6	161683	PIN/SPRING M8 X 80 ZO	1
7	204495	GROOVED BUSHING	2
8	204496	PIN	2
9	651405	CS M12-1.75 X 30 C10.9 ZO	5
10	161624	LW SPRING B12 DIM 7982	5
11	161642	WASHER GR A13	1
12	204497	PIN	1
13	204498	PIN	1

Ref. No.	Part No.	Description	Qty.
14	204499	PIN	1
15	204500	CYLINDER/SWIVEL BUCKET	1
16	165966	SCREW JOINT	2
17	204501	SPACER	1
18	204502	CROWN NUT	1
19	204503	PIN	1
20	204504	SEAL KIT	1
21	204506	HP HOSE	2
22	179833	SCREW JOINT	2
23	177204	COUPLING/MALE A17 3/4”	1
24	177203	DUST CAP SLEEVE	1
25	177796	COUPLING/FEMALE A17 3/4”	1
26	177805	DUST CAP PLUG	1
27	204507	HP HOSE	1
28	204508	HP HOSE	1

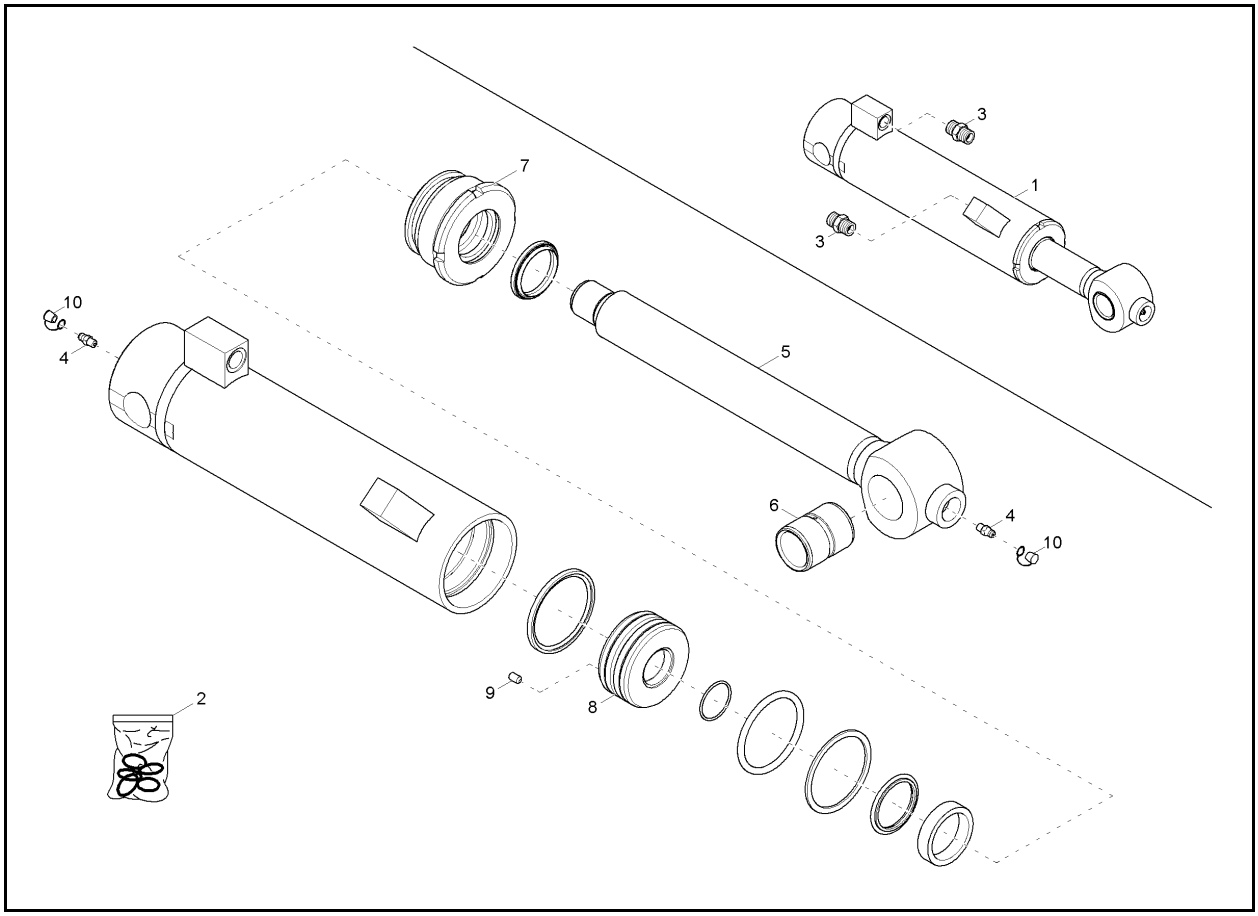


Ref. No.	Part No.	Description	Qty.
1	204046	CYLINDER	1
2	207475	SEAL KIT	1
3	161440	ELBOW	2
4	161411	GREASE ZERK	2
5	204491	PISTON ROD	1
6	207481	BUSHING	1
7	204492	GUIDE BUSHING	1
8	204493	PISTON	1
9	161400	SET SCREW	1
10	160459	DUST CAP	1

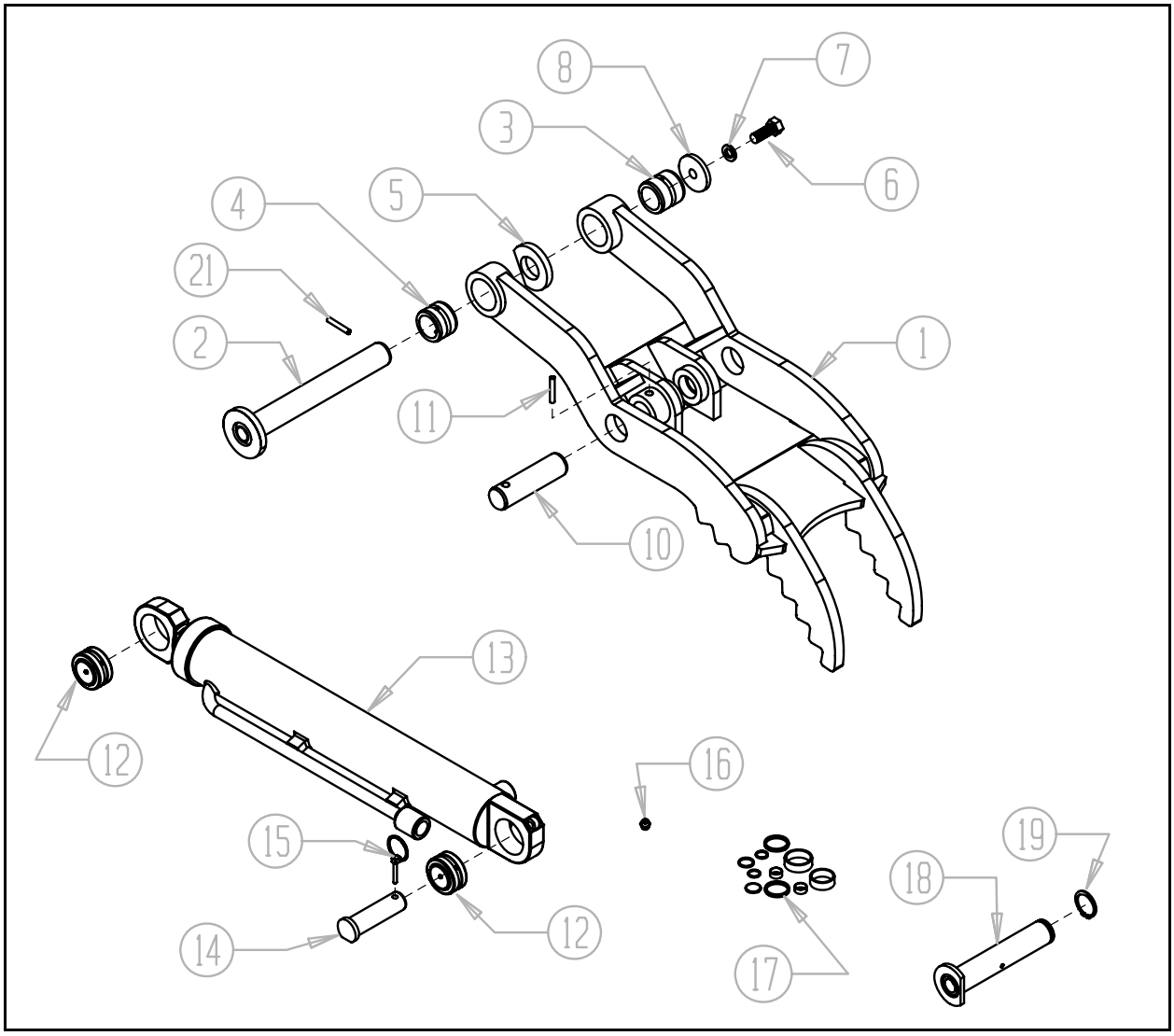
Swivel Bucket Cylinders -- 1000143534



Ref. No.	Part No.	Description	Qty.
1	206059	SWIVEL BUCKET CYLINDER	1
2	206050	SEAL KIT TILT BUCKET	1
3	161429	SCREW 12L	2
4	161411	GREASE ZERK	2
5	206060	PISTON ROD	1
6	177629	STEEL BUSHING	1
7	177641	GUIDE BUSHING	1
8	177640	PISTON	1
9	161400	THREAD PIN SET SCREW	1
10	161416	PROTECTION CAP	2

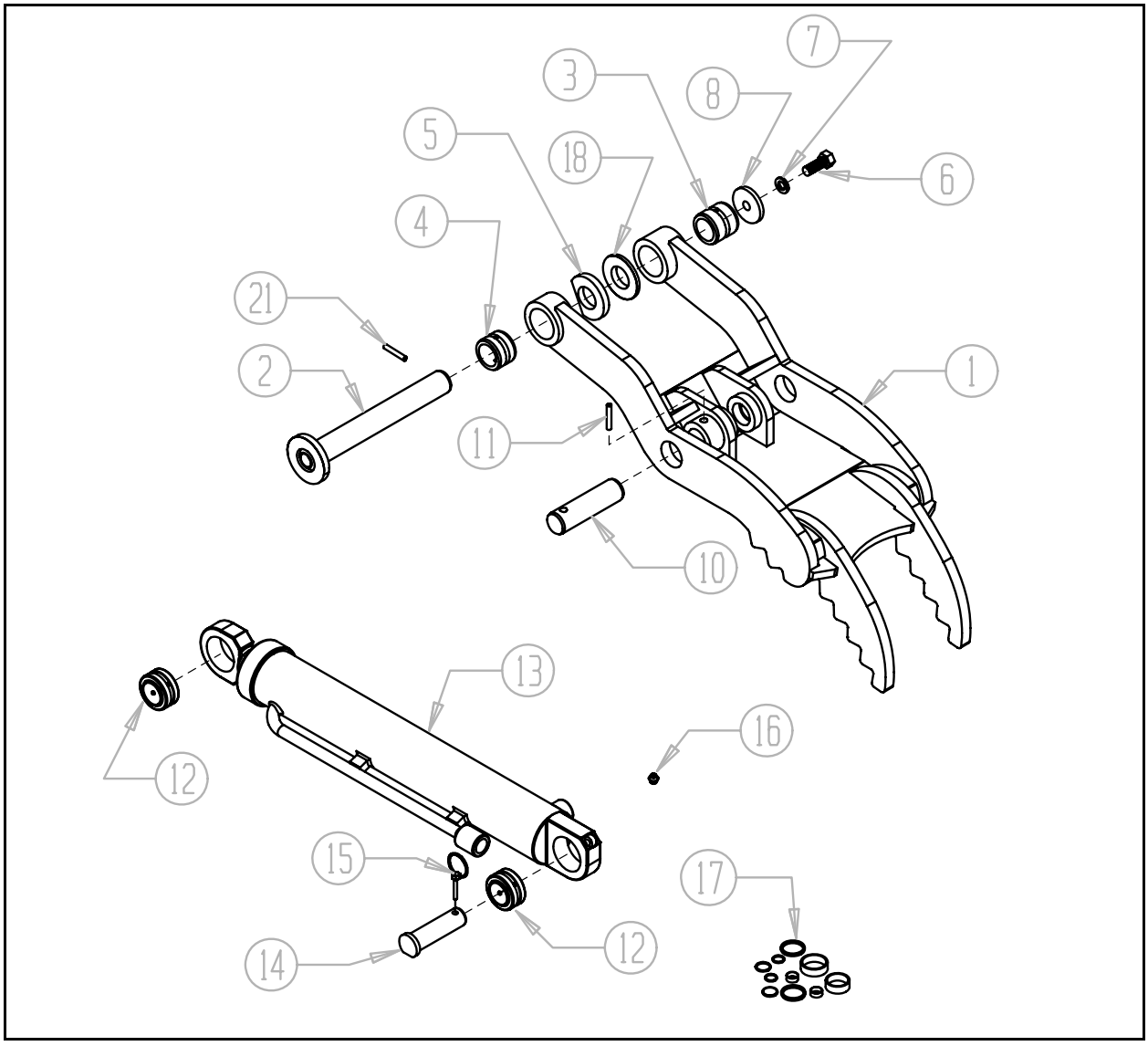


Ref. No.	Part No.	Description	Qty.
1	204065	SWIVEL BUCKET CYLINDER	1
2	177621	SEAL KIT TILT BUCKET CYLINDER	1
3	161429	SCREW JOINT 12L	2
4	161411	GREASE ZERK	2
5	177625	PISTON ROD	1
6	177629	STEEL ROD	1
7	177641	GUIDE BUSHING	1
8	177640	PISTON	1
9	161400	SET SCREW	1
10	161416	PROTECTION CAP	1



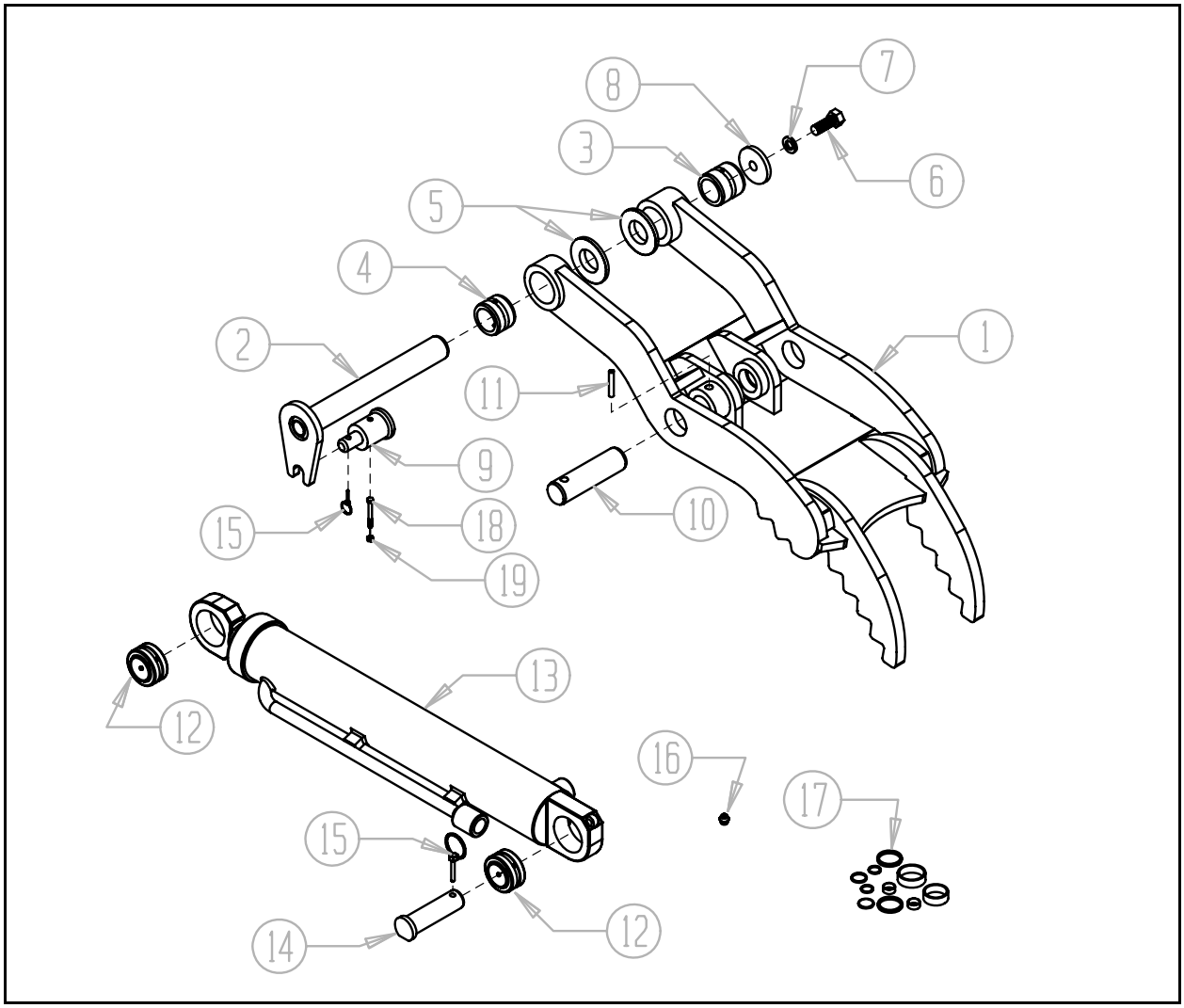
Ref. No.	Part No.	Description	Qty.
1	514478	THUMB ASSY	1
2	514479	PIVOT PIN	1
3	514480	LARGE BUSHING	1
4	514481	SMALL BUSHING	1
5	514482	PIN RETAINER SPACER	1
6	514483	BOLT	1
7	514484	WASHER	1
8	514485	PIN CAP	1
10	514486	GRIP CYLINDER PIN	1
11	514487	ROLL PIN	1

Ref. No.	Part No.	Description	Qty.
12	514488	CYLINDER BUSHING	2
13	514489	CYLIINDER	1
14	514490	CYLINDER MOUNT PIN	1
15	514491	CYLINDER LYNCH PIN	1
16	514492	GREASE ZERKS	6
17	514493	SEAL KIT	1
18	514494	LINK PIN	1
19	514495	SNAP RING	1
21	514497	ROLL PIN	1



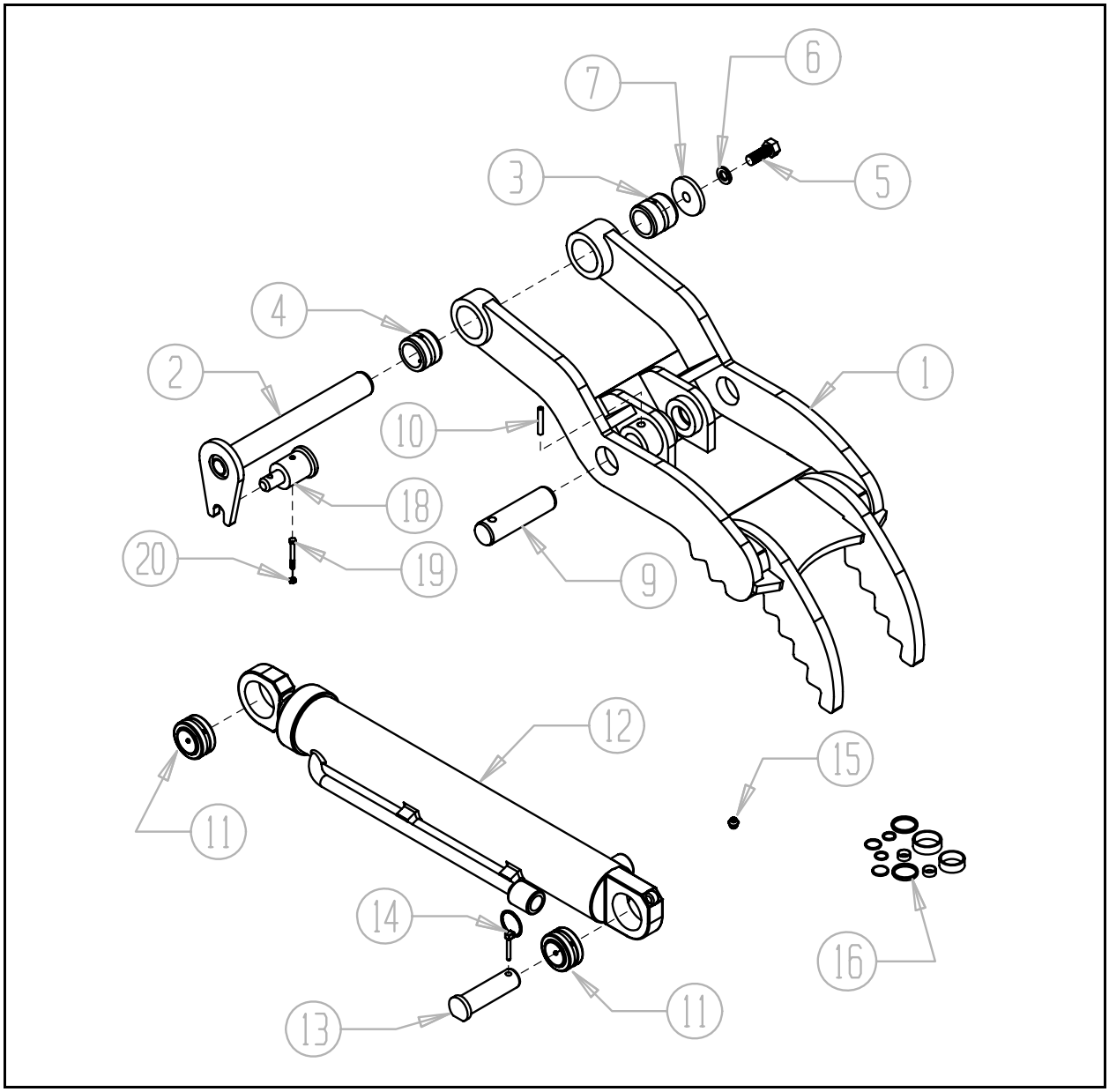
Ref. No.	Part No.	Description	Qty.
1	514505	THUMB ASSY	1
2	514506	PIVOT PIN	1
3	514507	LARGE BUSHING	1
4	514508	SMALL BUSHING	1
5	514509	PIN RETAINER SPACER	1
6	514510	BOLT	1
7	514511	WASHER	1
8	514512	PIN CAP	1
10	514513	GRIP CYLINDER PIN	1

Ref. No.	Part No.	Description	Qty.
11	514514	ROLL PIN	1
12	514515	CYLINDER BUSHING	2
13	514516	CYLIINDER	1
14	514517	CYLINDER MOUNT PIN	1
15	514518	CYLINDER LYNCH PIN	1
16	514519	GREASE ZERKS	6
17	514520	SEAL KIT	1
18	514521	PIN SPACER	1
21	514524	ROLL PIN	1



Ref. No.	Part No.	Description	Qty.
1	514525	THUMB ASSY	1
2	514526	PIVOT PIN	1
3	514527	LARGE BUSHING	1
4	514528	SMALL BUSHING	1
5	514529	SHIMS	2
6	514530	BOLT	1
7	514531	WASHER	1
8	514532	PIN CAP	1
9	514140	PIN RET. EXT.	1
10	514534	GRIP CYL PIN	1

Ref. No.	Part No.	Description	Qty.
11	514535	ROLL PIN	1
12	514536	CYLINDER BUSHING	1
13	514537	CYLINDER	1
14	514538	CYLINDER MOUNT PIN	1
15	514539	CYLINDER LYNCH PIN	1
16	514540	GREASE ZERKS	6
17	514541	SEAL KIT	1
18	514542	PR EXT BOLT	1
19	514543	PR EXT NUT	1

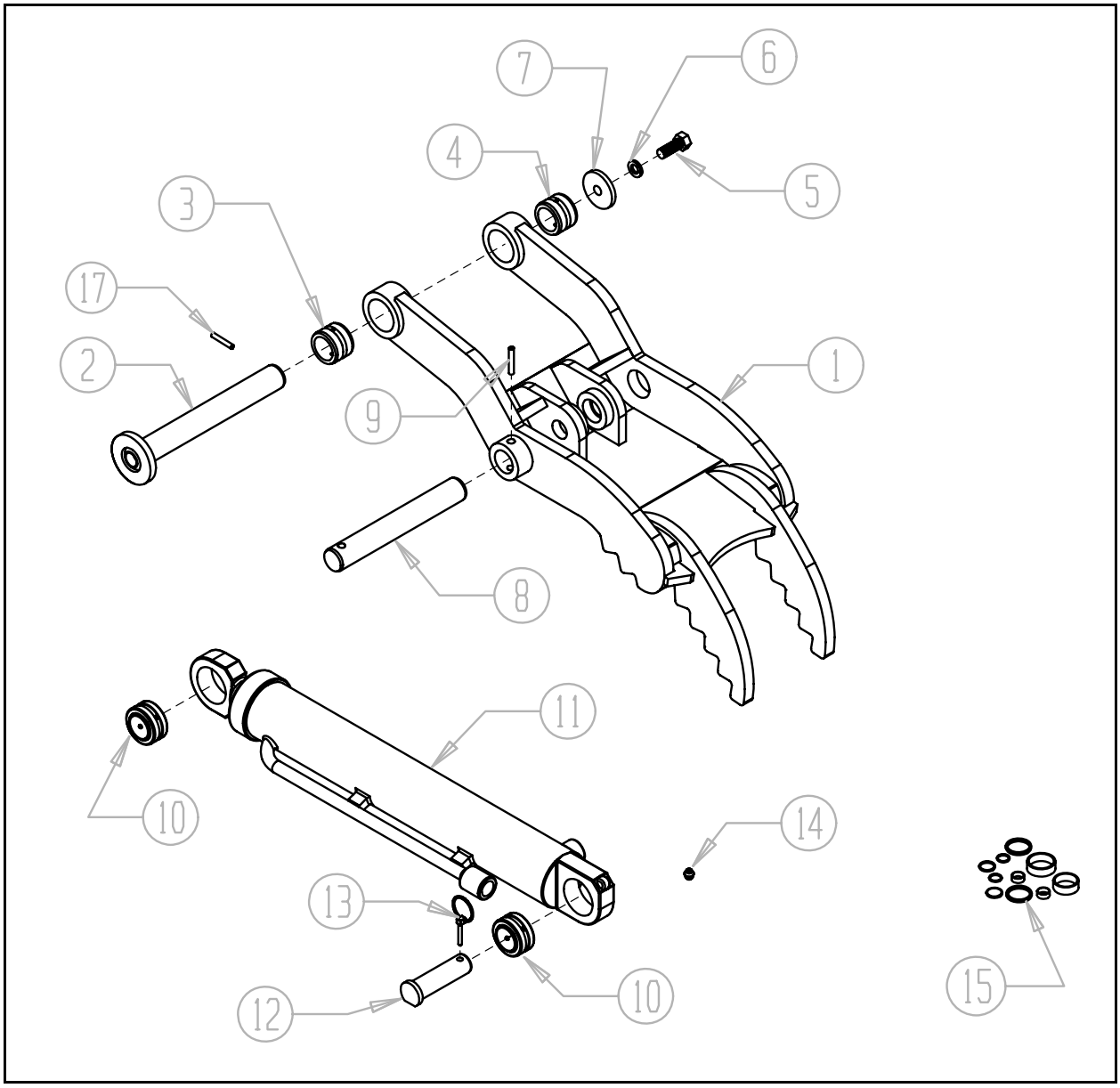


Ref. No.	Part No.	Description	Qty.
1	514545	THUMB ASSY	1
2	514546	PIVOT PIN	1
3	514547	LARGE BUSHING	1
4	514548	SMALL BUSHING	1
5	514549	BOLT	1
6	514550	WASHER	1
7	514551	PIN CAP	1
9	514552	GRIP CYL PIN	1
10	514553	ROLL PIN	1

Ref. No.	Part No.	Description	Qty.
11	514554	CYLINDER BUSHING	2
12	514555	CYLINDER	1
13	514556	CYLINDER MOUNT PIN	1
14	514557	CYLINDER LYNCH PIN	1
15	514558	GREASE ZERKS	6
16	514559	SEAL KIT	1
18	514141	PIN RET. EXTENSION	1
19	514562	PR EXT BOLT	1
20	514563	PR EXT NUT	1

MODEL 1202

Hydraulic Thumb -- 152627



Ref. No.	Part No.	Description	Qty.
1	514564	THUMB ASSY	1
2	514565	PIVOT PIN	1
3	514566	LARGE BUSHING	1
4	514567	SMALL BUSHING	1
5	514568	BOLT	1
6	514569	WASHER	1
7	514570	PIN CAP	1
8	514571	GRIP CYLINDER PIN	1

Ref. No.	Part No.	Description	Qty.
9	514572	ROLL PIN	1
10	514573	CYLINDER BUSHING	2
11	514574	CYLINDER	1
12	514575	CYLINDER MOUNT PIN	1
13	514576	CYLINDER LYNCH PIN	1
14	514577	GREASE ZERKS	6
15	514578	SEAL KIT	1
17	514580	PIVOT PIN ROLL PIN	1

Part No.	Page No.	Ref. No.
160458	18	25
160458	19	25
160458	20	26
160458	21	26
160459	18	27
160459	19	27
160459	20	28
160459	21	28
160459	24	10
160467	18	24
160467	19	24
160467	20	25
160467	21	25
160468	18	26
160468	19	26
160468	20	27
160468	21	27
161400	24	9
161400	25	9
161400	26	9
161411	20	3
161411	22	3
161411	24	4
161411	25	4
161411	26	4
161412	23	5
161416	22	16
161416	25	10
161416	26	10
161422	18	16
161422	19	16
161422	20	16
161422	21	16
161429	20	17
161429	21	17
161429	22	17
161429	25	3
161429	26	3
161430	18	14
161430	19	14
161430	20	20
161430	21	20
161430	22	20
161440	18	17
161440	19	17
161440	24	3
161441	18	3
161441	19	3
161441	21	3
161624	23	10
161642	23	11
161682	18	15
161682	19	15
161682	20	15
161682	21	15
161683	22	15
161683	23	6
162024	8	8
162466	7	16
162466	8	7
162466	9	16
162466	10	14
162466	11	16
165852	18	19
165852	19	19
165966	23	16
177203	23	24
177204	23	23
177620	22	13
177621	26	2
177622	22	11
177623	22	14
177625	26	5
177626	22	12
177627	22	6
177628	22	9
177629	25	6
177629	26	6
177640	25	8
177640	26	8
177641	25	7
177641	26	7
177648	18	10
177648	19	10
177794	18	22
177794	19	22
177794	20	23
177794	21	23
177796	23	25
177797	22	23
177798	18	20
177798	19	20
177798	20	21
177798	21	21
177798	22	21
177803	18	23
177803	19	23
177803	20	24
177803	21	24
177803	22	24
177804	18	21
177804	19	21
177804	20	22
177804	21	22
177804	22	22
177805	23	26
179833	23	22
204046	18	5
204046	19	5
204046	24	1
204065	22	5
204065	26	1
204491	24	5
204492	24	7
204493	24	8
204494	23	3
204495	23	7
204496	23	8
204497	23	12
204498	23	13

Numerical Index

Part No.	Page No.	Ref. No.
204499	23	14
204500	23	15
204501	23	17
204502	23	18
204503	23	19
204504	23	20
204506	23	21
204507	23	27
204508	23	28
204509	18	11
204510	19	11
204511	20	11
204513	22	18
204515	22	19
205670	20	18
205670	21	18
205679	20	12
205679	21	12
205680	20	6
205680	21	6
205681	20	9
205681	21	9
205688	18	18
205688	19	18
205688	20	19
205688	21	19
205696	20	13
205696	21	13
205700	20	14
205700	21	14
205766	21	11
206050	25	2
206059	20	5
206059	21	5
206059	25	1
206060	25	5
207074	7	7
207074	9	7
207074	11	6
207074	12	6
207074	13	7
207075	15	6
207076	10	6
207076	14	8
207079	7	9
207079	9	9
207079	11	8
207079	12	8
207079	13	9
207081	15	8
207083	10	8
207083	14	10
207084	7	8
207084	9	8
207084	10	7
207084	11	7
207084	12	7
207084	13	8
207084	14	9
207086	15	7
207475	24	2
207477	18	12
207477	19	12
207478	18	6
207478	18	7
207478	19	6
207478	21	7
207481	24	6
207482	19	18
207483	19	19
207484	19	7
207484	20	7
208116	18	9
208116	19	9
208117	18	13
208117	19	13
514140	29	9
514141	30	18
514478	27	1
514479	27	2
514480	27	3
514481	27	4
514482	27	5
514483	27	6
514484	27	7
514485	27	8
514486	27	10
514487	27	11
514488	27	12
514489	27	13
514490	27	14
514491	27	15
514492	27	16
514493	27	17
514494	27	18
514495	27	19
514497	27	21
514505	28	1
514506	28	2
514507	28	3
514508	28	4
514509	28	5
514510	28	6
514511	28	7
514512	28	8
514513	28	10
514514	28	11
514515	28	12
514516	28	13
514517	28	14
514518	28	15
514519	28	16
514520	28	17
514521	28	18
514524	28	21
514525	29	1
514526	29	2
514527	29	3
514528	29	4
514529	29	5

Part No.	Page No.	Ref. No.
514530	29	6
514531	29	7
514532	29	8
514534	29	10
514535	29	11
514536	29	12
514537	29	13
514538	29	14
514539	29	15
514540	29	16
514541	29	17
514542	29	18
514543	29	19
514545	30	1
514546	30	2
514547	30	3
514548	30	4
514549	30	5
514550	30	6
514551	30	7
514552	30	9
514553	30	10
514554	30	11
514555	30	12
514556	30	13
514557	30	14
514558	30	15
514559	30	16
514562	30	19
514563	30	20
514564	31	1
514565	31	2
514566	31	3
514567	31	4
514568	31	5
514569	31	6
514570	31	7
514571	31	8
514572	31	9
514573	31	10
514574	31	11
514575	31	12
514576	31	13
514577	31	14
514578	31	15
514580	31	17
651405	23	9
651409	7	17
651409	9	17
651409	10	15
651409	11	17
651437	22	7
651438	20	10
651438	21	10
651438	22	10
651443	18	4
651443	19	4
651443	20	4
651443	21	4
651444	22	4
651450	7	18
651450	9	18
651450	10	16
651450	11	18
651458	20	8
651458	21	8
651458	22	8
656050	8	9
656110	18	8
656110	19	8
807598	7	1
807599	7	2
807600	7	3
807601	7	4
807602	7	5
807603	7	6
807604	16	8
807605	18	1
807606	11	1
807607	11	2
807608	11	3
807609	11	4
807610	11	5
807611	16	8
807612	19	1
807613	9	2
807614	9	3
807615	9	4
807616	9	5
807617	9	6
807618	16	8
807620	13	1
807621	13	2
807622	13	3
807623	13	4
807624	13	5
807625	17	8
807625	17	8
807626	22	1
807627	10	1
807628	10	2
807629	10	3
807630	10	4
807631	10	5
807632	17	8
807633	17	8
807634	23	1
808092	14	1
808093	14	2
808094	14	3
808095	14	4
808096	14	5
808097	14	6
808098	14	7
808391	15	1
808392	15	2
808393	15	3
808394	15	4
808395	9	1
808675	8	1

Numerical Index

Part No.	Page No.	Ref. No.
808676	8	2
808677	8	3
808678	8	4
808679	8	5
808680	8	6
808682	16	8
808685	12	1
808686	12	2
808687	12	3
808688	12	4
808689	12	5
808690	16	8
808691	16	8
808692	20	1
808692	21	1
808693	21	1
809149	17	8
809155	22	1
809156	22	1
809316	13	6
809339	15	5
7451680116	23	4
807598N	7	10
807599N	7	11
807600N	7	12
807601N	7	13
807602N	7	14
807603N	7	15
807606N	11	11
807607N	11	12
807608N	11	13
807609N	11	14
807613N	9	11
807614N	9	12
807615N	9	13
807616N	9	14
807617N	9	15
807627N	10	9
807628N	10	10
807629N	10	11
807630N	10	12
807631N	10	13
808395N	9	10
9901160G	23	2

TORQUE SPECIFICATIONS

*Note: Use these torque values when tightening **Gehl** hardware (excluding: locknuts and self-tapping, thread forming and sheet metal screws) unless specified otherwise.*

Hydraulic fittings with various seals (light application). All torque values are in lb.-ft. (Nm) unless marked otherwise.

Thread	Straight pipe fitting with thread and screwed plug (GE)			Non-return valve with elastic seal	Identification aid outside Ø
	Sealing washer	Elastic seal	O-ring		
M10X1.0	7 (9)	13 (18)	11 (15)	13 (18)	0.4 in. (10 mm)
M12X1.5	15 (20)	18 (25)	18 (25)	18 (25)	0.5 in. (12 mm)
M14X1.5	26 (35)	33 (45)	26 (35)	26 (35)	0.6 in. (14 mm)
M16X1.5	33 (45)	41 (55)	30 (40)	37 (50)	0.6 in. (16 mm)
M18X1.5	41 (55)	52 (70)	33 (45)	52 (70)	0.7 in. (18 mm)
M22X1.5	48 (65)	92 (125)	44 (60)	92 (125)	0.9 in. (22 mm)
M27X2.0	66 (90)	133 (180)	74 (100)	107 (145)	1.0 in. (27 mm)
M33X2.0	111 (150)	229 (310)	118 (160)	155 (210)	1.3 in. (33 mm)
M42X2.0	177 (240)	332 (450)	155 (210)	266 (360)	1.7 in. (42 mm)
M48X2.0	214 (290)	398 (540)	192 (260)	398 (540)	1.9 in. (48 mm)
G1/8A	7 (9)	13 (18)	11 (15)	13 (18)	0.4 in. (9.73 mm)
G1/4A	26 (35)	26 (35)	22 (30)	26 (35)	0.5 in. (13.16 mm)
G3/8A	33 (45)	52 (70)	33 (45)	37 (50)	0.7 in. (16.66 mm)
G1/2A	48 (65)	66 (90)	41 (55)	48 (65)	0.8 in. (20.96 mm)
G3/4A	66 (90)	133 (180)	74 (100)	103 (140)	1.0 in. (26.44 mm)
G1A	111 (150)	229 (310)	118 (160)	140 (190)	1.3 in. (33.25 mm)
G1 1/4A	177 (240)	332 (450)	155 (210)	266 (360)	1.7 in. (41.91 mm)
G1 1/2A	214 (290)	398 (540)	192 (260)	398 (540)	1.9 in. (47.80 mm)

Hydraulic fittings with various seals (heavy application). All torque values are in lb.-ft. (Nm) unless marked otherwise.					
Thread	Straight pipe fitting with thread and screwed plug (GE)			Non-return valve with elastic seal	Identification aid outside Ø
	Sealing washer	Elastic seal	O-ring		
M12X1.5	15 (20)	26 (35)	26 (35)	26 (35)	0.5 in. (12 mm)
M14X1.5	26 (35)	41 (55)	33 (45)	33 (45)	0.6 in. (14 mm)
M16X1.5	33 (45)	52 (70)	41 (55)	41 (55)	0.6 in. (16 mm)
M18X1.5	41 (55)	66 (90)	52 (70)	52 (70)	0.7 in. (18 mm)
M20X1.5	41 (55)	92 (125)	59 (80)	74 (100)	0.8 in. (20 mm)
M22X1.5	48 (65)	100 (135)	74 (100)	92 (125)	0.9 in. (22 mm)
M27X2.0	66 (90)	133 (180)	125 (170)	100 (135)	1.0 in. (27 mm)
M33X2.0	111 (150)	229 (310)	229 (310)	155 (210)	1.3 in. (33 mm)
M42X2.0	177 (240)	332 (450)	243 (330)	266 (360)	1.7 in. (42 mm)
M48X2.0	214 (290)	398 (540)	310 (420)	398 (540)	1.9 in. (48 mm)
G1/8A	26 (35)	41 (55)	33 (45)	33 (45)	0.5 in. (13.16 mm)
G1/4A	33 (45)	59 (80)	44 (60)	44 (60)	0.7 in. (16.66 mm)
G3/8A	48 (65)	85 (115)	55 (75)	74 (100)	0.8 in. (20.96 mm)
G1/2A	66 (90)	133 (180)	125 (170)	107 (145)	1.0 in. (26.44 mm)
G3/4A	111 (150)	229 (310)	229 (310)	192 (260)	1.3 in. (33.25 mm)
G1A	177 (240)	332 (450)	243 (330)	266 (360)	1.7 in. (41.91 mm)
G1 1/4A	214 (290)	398 (540)	310 (420)	398 (540)	1.9 in. (47.80 mm)

With coarse-pitch thread. All torque values are in lb.-ft. (Nm) unless marked otherwise.					
Thread	Threads according to DIN 912, DIN 931, DIN 933, etc.			Threads according to DIN 7984	
	8.8	10.9	12.9	8.8	10.9
M5	4.1 (5.5)	6 (8)	7 (10)	4 (5)	5 (7)
M6	7 (10)	10 (14)	13 (17)	6.3 (8.5)	9 (12)
M8	18 (25)	26 (35)	31 (42)	15 (20)	22 (30)
M10	33 (45)	48 (65)	59 (80)	30 (40)	44 (59)
M12	64 (87)	81 (110)	108 (147)	51 (69)	74 (100)
M14	100 (135)	133 (180)	170 (230)	81 (110)	118 (160)
M16	155 (210)	203 (275)	258 (350)	125 (170)	184 (250)
M18	207 (280)	302 (410)	354 (480)	181 (245)	254 (345)
M20	302 (410)	420 (570)	509 (690)	251 (340)	361 (490)
M22	406 (550)	575 (780)	686 (930)	339 (460)	487 (660)
M24	524 (710)	738 (1000)	878 (1190)	435 (590)	620 (840)
M27	767 (1040)	1092 (1480)	1305 (1770)	642 (870)	922 (1250)
M30	1047 (1420)	1482 (2010)	1770 (2400)	885 (1200)	1254 (1700)

With fine-pitch thread. All torque values are in lb.-ft. (Nm) unless marked otherwise.					
Thread	Threads according to DIN 912, DIN 931, DIN 933, etc.			Threads according to DIN 7984	
	8.8	10.9	12.9	8.8	10.9
M8X1.0	18 (25)	27 (37)	32 (43)	16 (22)	24 (32)
M10X1.0	37 (50)	55 (75)	65 (88)	32 (43)	48 (65)
M10X1.25	36 (49)	52 (71)	61 (83)	31 (42)	46 (62)
M12X1.25	64 (87)	96 (130)	111 (150)	55 (75)	81 (110)
M12X1.5	61 (83)	92 (125)	107 (145)	53 (72)	77 (105)
M14X1.5	100 (135)	148 (200)	173 (235)	89 (120)	129 (175)
M16X1.5	155 (210)	229 (310)	266 (360)	133 (180)	195 (265)
M18X1.5	232 (315)	332 (450)	391 (530)	199 (270)	284 (385)
M20X1.5	325 (440)	465 (630)	538 (730)	277 (375)	391 (530)
M22X1.5	435 (590)	620 (840)	723 (980)	369 (500)	524 (710)
M24X2.0	546 (740)	789 (1070)	922 (1250)	465 (630)	664 (900)
M27X2.0	811 (1100)	1143 (1550)	1328 (1800)	679 (920)	959 (1300)
M30X2.0	1106 (1500)	1586 (2150)	1844 (2500)	959 (1300)	1364 (1850)

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