



*For your safety:
Always read this instruction manual
before use.*

OPERATOR & PARTS MANUAL 698

STUMPGRINDER 20

EDITION 1 – JANUARY 2016

IMPORTANT

This machine is designed for vegetation control and must not be used for any other purpose

It is potentially hazardous to fit or use any parts other than genuine **Bomford Turner** parts.

The company disclaims all liability for the consequences of such use which, in addition, voids the machine warranty.

IMPORTANT

NOTE HERE THE SERIAL NUMBER OF YOUR MACHINE AND ALWAYS QUOTE IT IN ANY COMMUNICATION WITH US OR YOUR DEALER. THIS IS PARTICULARLY IMPORTANT WHEN ORDERING SPARES. REMEMBER TO INCLUDE ALL NUMBERS AND LETTERS.

MACHINE SERIAL NUMBERS _____

THE INFORMATION GIVEN THROUGHOUT THIS MANUAL IS CORRECT AT THE TIME OF PUBLICATION. HOWEVER, IN THE COURSE OF CONSTANT DEVELOPMENT OF BOMFORD TURNER MACHINES, CHANGES IN SPECIFICATION ARE INEVITABLE. SHOULD YOU FIND THE INFORMATION GIVEN IN THIS BOOK TO BE AT VARIANCE WITH THE MACHINE IN YOUR POSSESSION, YOU ARE ADVISED TO CONTACT THE BOMFORD TURNER SERVICE DEPARTMENT WHERE UP-TO-DATE INFORMATION WILL BE PROVIDED.

THE MANUAL CAN CONTAIN STANDARD AND OPTIONAL FEATURES AND IS NOT TO BE USED AS A MACHINE SPECIFICATION.

THE MACHINE HAS BEEN TESTED AND IS CONSIDERED SAFE IF CAREFULLY USED. ENSURE YOUR OPERATOR IS PROPERLY TRAINED IN ITS USE AND MAINTENANCE.

IMPORTANT

NOTEZ ICI LES NUMEROS DE SERIE DE VOTRE MACHINE ET MENTIONNEZ LES DANS TOUTE COMMUNICATION AVEC NOS SERVICES OU VOTRE REVENDEUR. CECI EST IMPORTANT POUR LA COMMANDE DE PIECES DETACHEES. PENSEZ A NOTER TOUS LES NUMEROS ET TOUTES LES LETTERS.

NUMEROS DE SERIE DE LA MACHINE _____.

LES INFORMATIONS DONNEES DANS CE MANUEL SONT CORRECTES CEPENDANT, DU FAIT DE DEVELOPPEMENT CONSTANT DES MACHINES BOMFORD TURNER.

CHANGEMENTS DANS LES CARACTERISTIQUES SONT INEVITABLES.

SI VOUS TROUVEZ QUE LES INFORMATIONS DONNEES NE CORRESPONDENT PAS A VOTRE MACHINE VEUILLEZ CONTACTER LE SERVICE DES REPARATIONS OU DES INFORMATIONS PLUS RECENTES VOUS SERONT DONNEES.

CE MANUEL PEUT MONTRER DES CARACTERISTIQUES OPTIONNELLES ET NE PEUT PAS ETRE CONSIDERE COMME SPECIFICATION DE LA MACHINE.

CETTE MACHINE A ETE TESTEE, ET ELLE EST CONSIDEREE COMME FIABLE A CONDITION D'UNE BONNE UTILISATION. ASSUREZ-VOUS QUE VOTRE OPERATEUR EST QUALIFIE EN CE QUI CONCERNE L'UTILISATION DE LA MACHINE AINSI QUE SON ENTRETIEN.

WICHTIG

TRAGEN SIE HIER DIE SERIENNUMMERN IHRER MASCHINE EIN UND GEBEN SIE DIESE IMMER AN, WENN SIE SICH AN UNS ODER IHREN HÄNDLER WENDEN. DAS IST BESONDERS BEI ERSATZTEILBESTELLUNGEN WICHTIG. VERGESSEN SIE NICHT, ALLE ZAHLEN UND BUCHSTABEN ZU NOTIEREN.

SERIENNUMMERN DER MASCHINE _____

DIE ANGABEN IN DIESEM HANDBUCH SIND BEI VERÖFFENTLICHUNG KORREKT. AUFGRUND DER KONSTANTEN WEITERENTWICKLUNG VON BOMFORD TURNER MASCHINEN SIND JEDOCHÄNDERUGDEN IN DER SPEZIFIKATION UNVERMEIDLICH. WENN DIE INFORMATION IN DIESEM HANDBUCH NICHT MIT IHRER MASCHINE ÜBEREINSTIMMEN, NEHMEN SIE BITTE KONTAKT MIT DER BOMFORD TURNER KUNDENDIENSTABTEILUNG AUF, DIE IHNEN GERNE DIE AKTUELLEN INFORMATION ZUKOMMEN LÄSST.

DAS HANDBUCH KANN SOWOHL BESCHREIBUNGEN FÜR DIE STANDARD AUSFÜHRUNG ALS AUCH FÜR ZUBEHÖR ENTHALTEN UND IST NICHT ALS MASCHINENSPEZIFIKATION ZU VERWENDEDE.

DIE MASCHINE IST GETESTET UND BEI SACHGEMÄSSEM BETRIEB ALS SICHER BEFUNDEN WORDEN. SORGEN SIE DAFÜR, DASS IHR BEDIENPERSONAL IN ANWENDUNG UND WARTUNG RICHTIG GESCHULT WIRD.

EC DECLARATION OF CONFORMITY

Conforming to EU Directive 2006/42/EC

We,

Of BOMFORD TURNER LIMITED, Station Road, Salford Priors, Evesham, Worcestershire, WR11 8SW, UK.

Declare that we are the authorised representative, responsible for the product (type);

Reach arm attachment	Product code
STUMPGRINDER 20	FBOT

Serial No(s). & Date:.....

Designed and Manufactured: Europe

This product complies with the required provisions of;

- Directive 2006/42/EC
- Directive 2004/108/EC
- EN ISO 12100:2010

And other national standards associated with its design and construction as listed in its technical file.

BOMFORD TURNER LIMITED operates an ISO 9001:2008 quality management system.
This system is accredited by;

BSI, Beech House, Linford Wood, Milton Keynes, UK, MK14 6ES
BSI identification number: UKAS 003
Bomford Turner certificate number: FM 34659

Signed.....

On behalf of BOMFORD TURNER LIMITED Responsible person

Status Managing Director



Operation & Parts Manual

STUMPGRINDER

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FSI power-tech, Erhvervsparken 4B, DK-7160 Tørring



TECHNICAL INFORMATION

Weight.....	100 kg
Cutter wheel diameter incl. teeth	Ø 370 mm
Cutter teeth	12 pcs.
Hydraulic load	
	Maximum.....250 bar
	Maximum.....50 L/min
	Maximum.....25 kW
Rotation of the cutting wheel	Maximum2000 rpm.

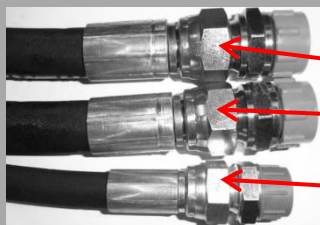
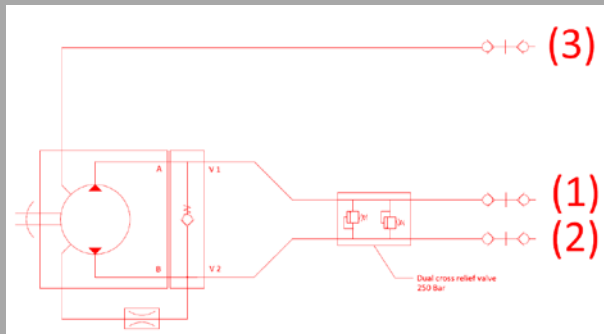
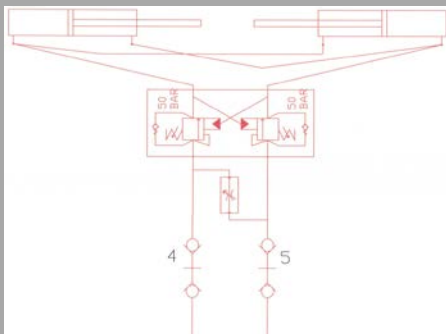
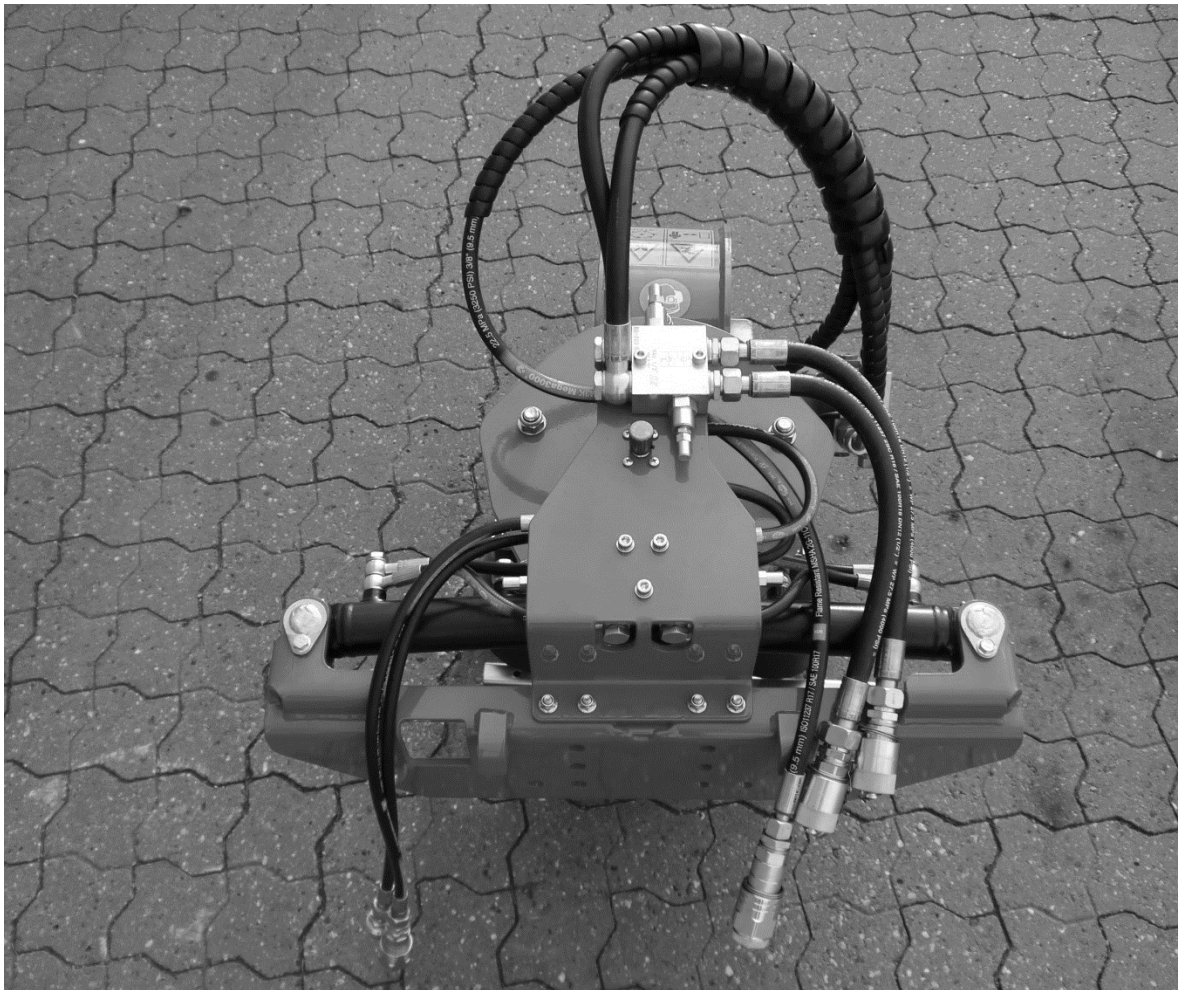
The stump cutter is for mounting on a belt mower.

The machine is invented for cutting of three stumps, and may not be used for anything else.

MOUNTING

Attention

- Attachment must be undertaken with great care
- Fit properly hydraulic hoses, and clearly mark for easy reassembly
- Never exceed max load of the hydraulic pressure
- Avoid dirt on the hydraulic quick couplers
- Change hydraulic oil and filter, according to the manual of the prime mover



- 1 Pressure (Max 250 Bar, 60 L/min)
- 2 Return
- 3 Leak oil direct to tank (Pressure free max 7-8 bar)

SAFETY

- If any danger stop stump cutting
- Test safety functions before daily start
- Stop stump cutting if leaving the radio remote control
- Replace defected parts immediately

Safety warning explanations



Read the manual before working with the machine

If any questions, contact dealer or manufacturer



Safety distance 20 meter

Operator must secure that the safety distance is kept



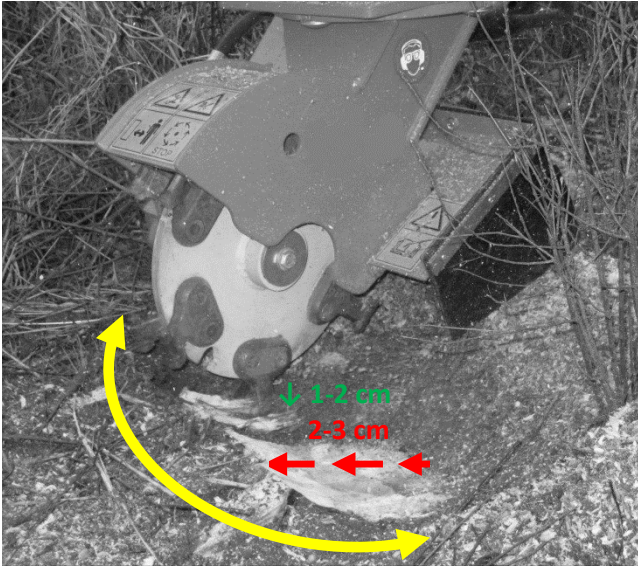
Rotating tools

Stop machine before any kind of maintenance



Use ear- and eye-protection

STUMP CUTTING



Start the cutter wheel above the stump.

Lower it below the top of the stump.

Swing across to the other side.
Continue this way until satisfied depth.

Then move forward, and repeat operation.

Adjustment of swing speed.

DANGER ZONE
Operator or other persons may not enter this zone unless the cutter disc is not running.



WEAR PARTS

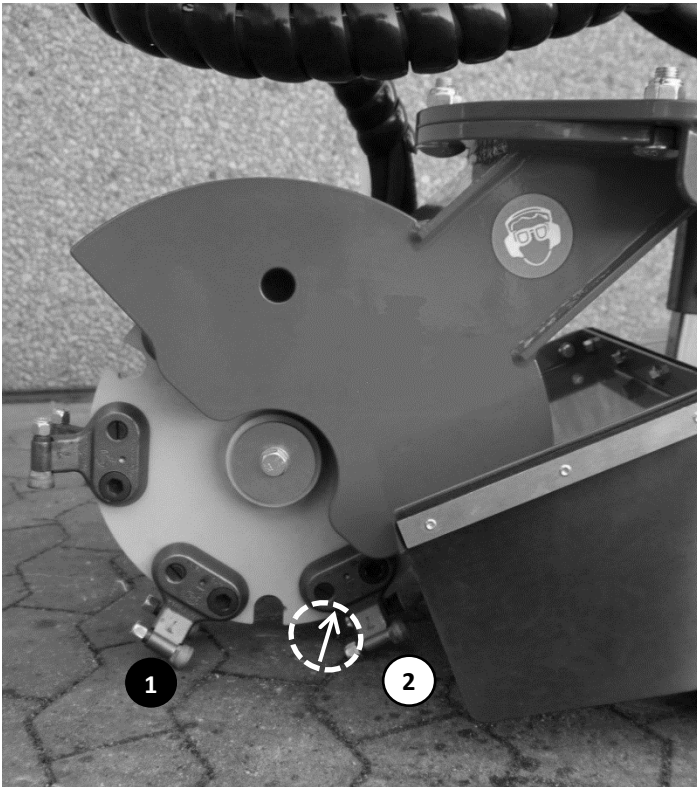
Important

- Daily check wear parts and retighten if needed.
- Always replace wear parts when needed.
- Never use machine when wear parts are missing, it may create danger and causes extraordinary wear on the remaining wear parts and the entire machine.



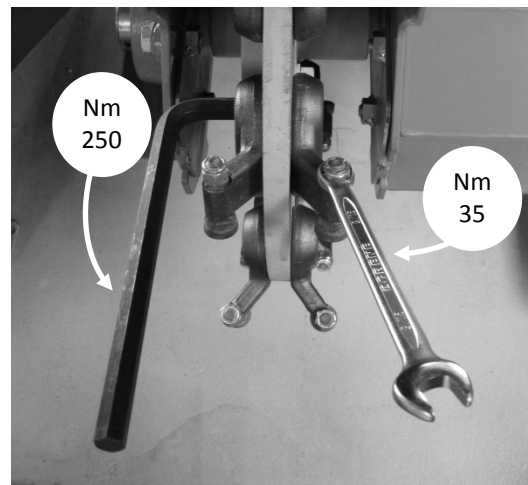
Best cutting result when this part of the tooth is sharp.

Turnable 3 x 120°.

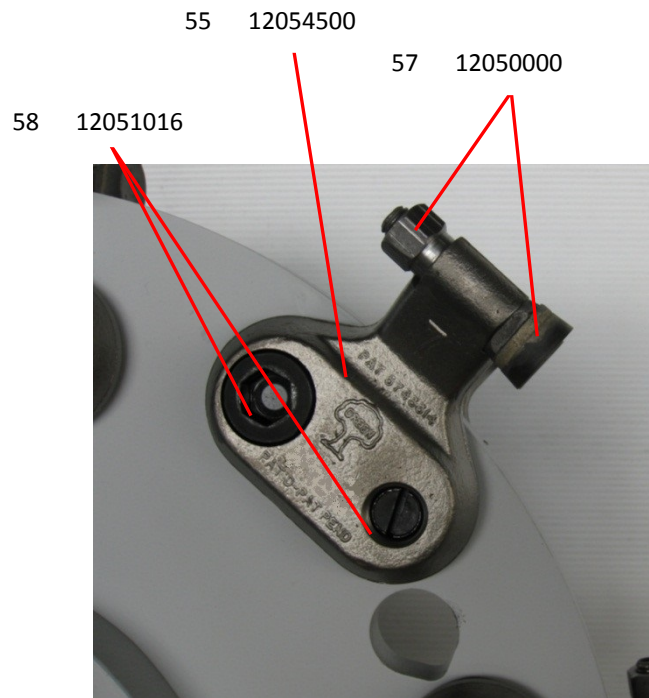


Focus on point ①, here always sharp teeth.

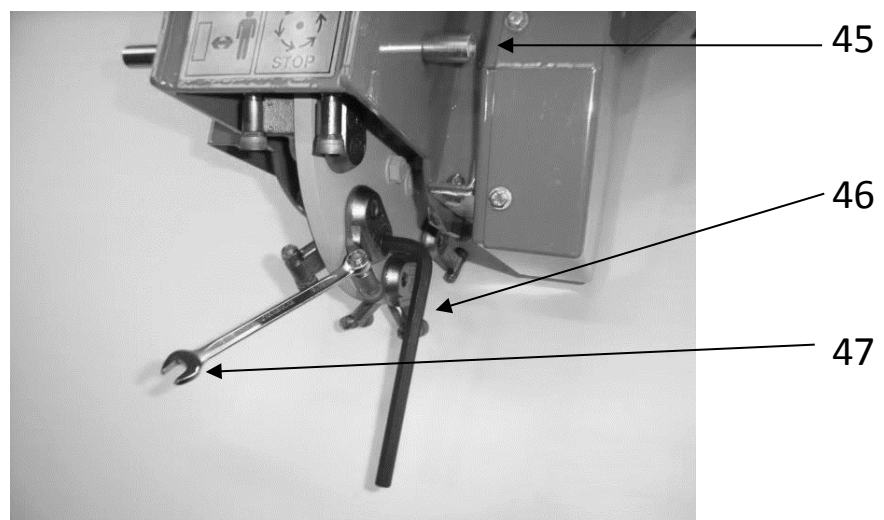
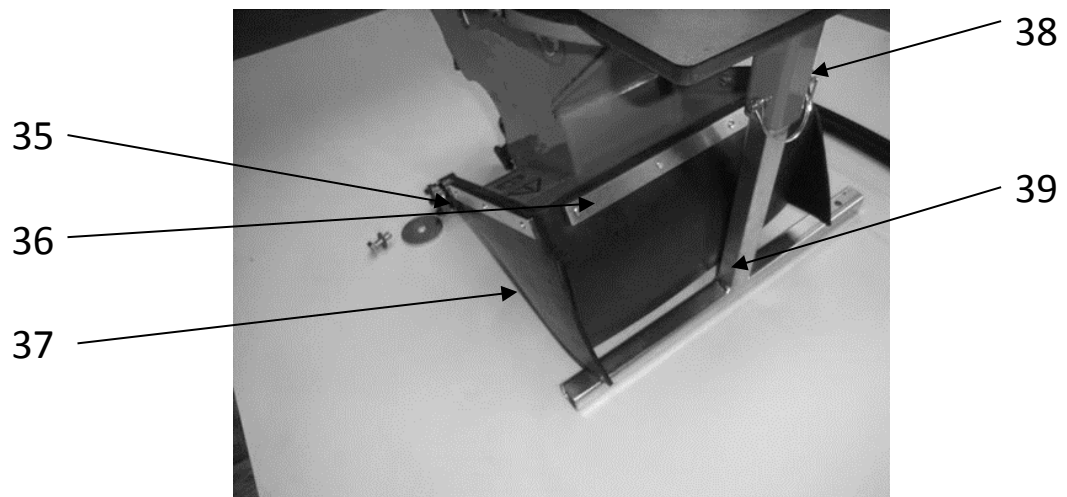
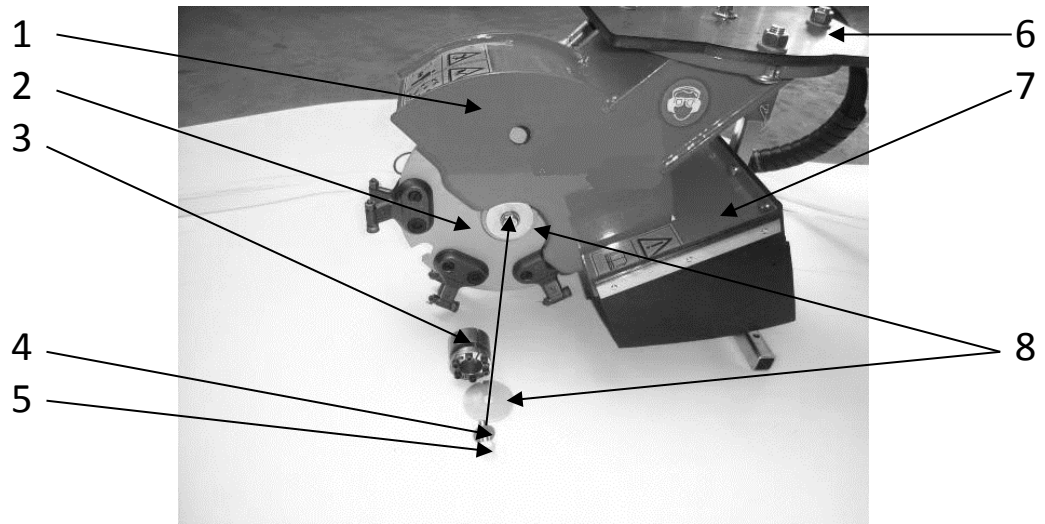
Point ② here it is less important.



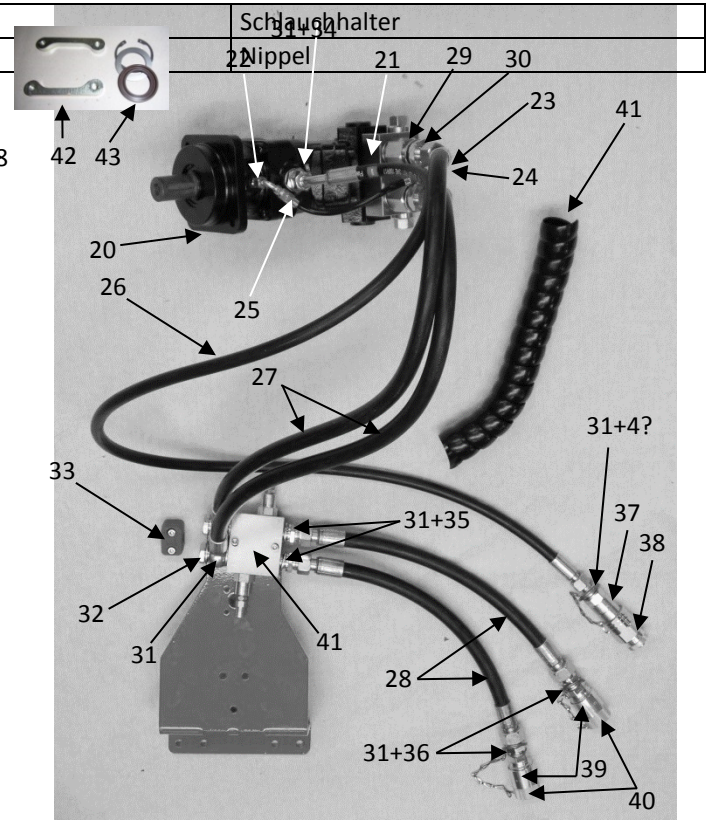
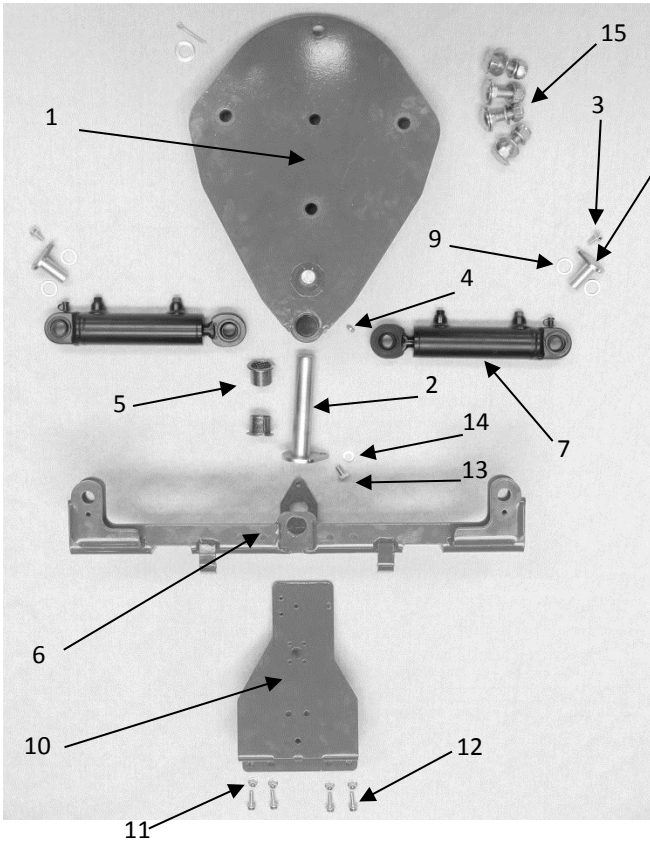
SPARE PARTS STUMP GRINDER



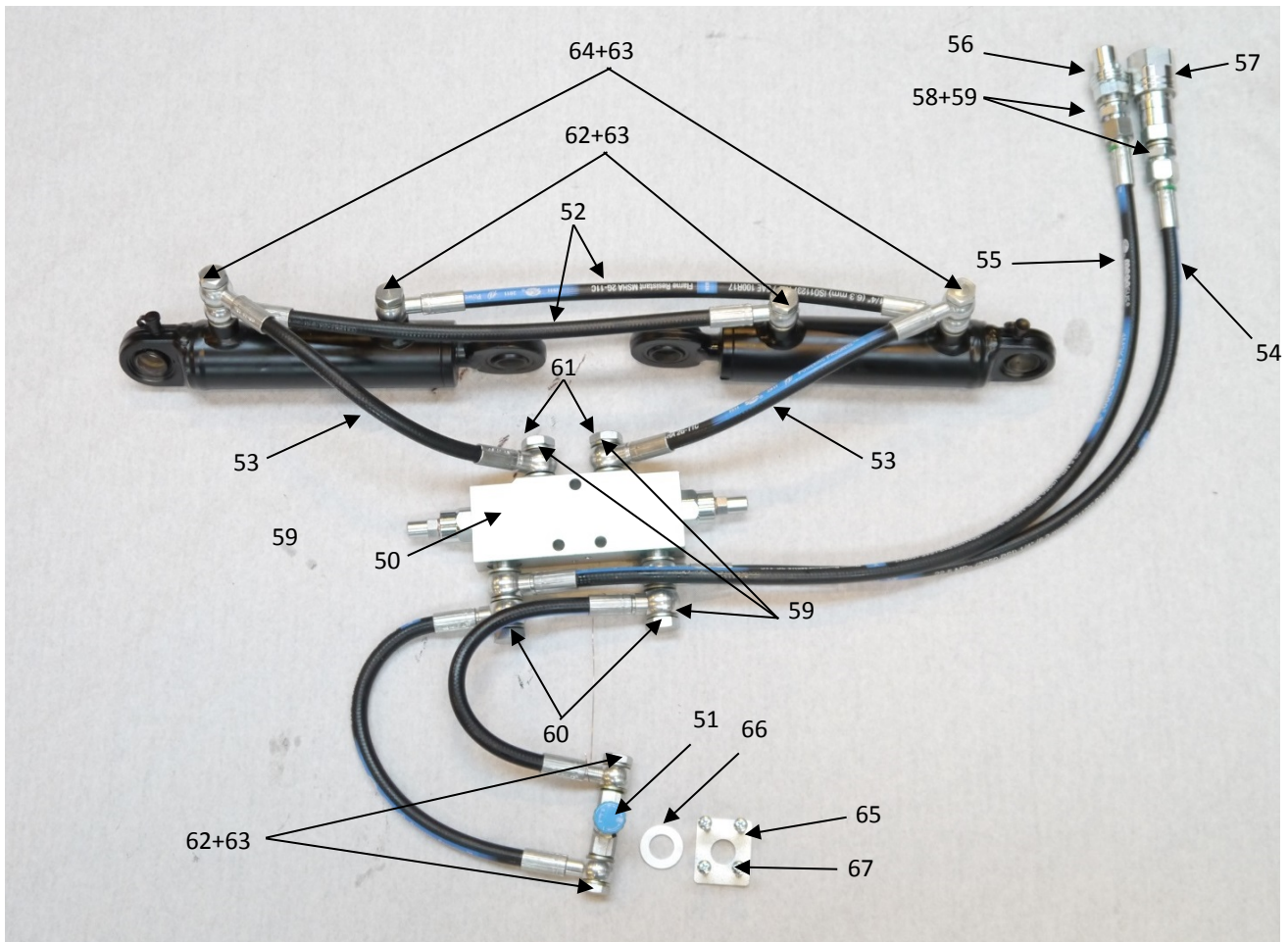
Poz.	Nummer	Stck./pcs.	GB: Description	D: Beschreibung
1	20019003	1	Hausing	Gehäuse
2	20019008	1	Cutter wheel	Schneidrad
3	20050071	1	clamping element	Spannelement
4	20030040	1	Washer	Scheibe
5	20030007	1	Screw	Schraube
6	20019010	1	Top plate without paint	Platte ohne Lackierung
7	20019001	1	Screen	Schirm
8	20019021	1	Washer	Scheibe
35	20013014	2	Bar f/rubber shield	Leiste f/Gummiabschirmung
36	20017026	1	Bar f/rubber shield	Leiste f/Gummiabschirmung
37	20019023	1	Rubber shield	Gummiabschirmung
38	20030018	2	Pin f/support leg	Bolzen f/Stützbein
39	20019038	1	Support leg	Stützbein
45	22x2x340	1	Pipe	Rohr
46	20030075	1	Key 5/8"	Schüssel 5/8"
47	20030037	1	Key 9/16"	Schüssel 9/16"
55	12054500	12	Pocket	Zahnhalterung
56	12050000-N	12	Extra nut	Extra Mutter
57	12050000	12	Teeth ø20,5 mm w/2 nuts	Zahn ø20,5 mm m/2 Muttern
58	12051016	12	Bolt f/pocket	Schrauber f/Halter



Poz.	Nummer	Stck./pcs.	GB: Description	DE: Beschreibung
1	20019035-1	1	Frame moving part	Beschlag bewegliches Teil
2	20019041	1	Bolt	Bolzen
3	M8x12	3	Screw	Schraube
4	20030011	1	Grease nipple	Schmiernippel
5	20040019	2	Bush	Buchse
6	2001935-4	1	Frame fixed part	Beschlag festes Teil
7	20026009	2	Cylinder	Zylinder
8	20019040	2	Pin f/cylinder	Bolzen f/Zylinder
9	20012756-4	4	Ring f/cylinder	Ring bei Zylinder
10	20019035-8	1	Bracket f/valves	Beschlag f/Ventile
11	M8	4	Nut	Mutter
12	M8x30	4	Screw	Schraube
13	M10x16	1	Screw	Scharaube
14	M10	1	Washer	Planscheibe
15	20030039	4	Screw M16x50	Schraube M16x50
15	20030042	4	Nut	Mutter
20	20022001	1	Oil motor	Ölmotor
21	20022101	1	One way valve	Einwegventil
22	20024055	1	Adapter M8x1-Ø6	Nippel M8x1-Ø6
23	20024056	1	Adapter ¼"-Ø6	Nippel ¼"-Ø6
24	20024069	1	Flushing nozzle 1,7mm	Spül Düse 1,7mm
25	20023019	1	Hose	Schlauch
26	20023020	1	Hose	Schlauch
27	20023021	2	Hose	Schlauch
28	20023022	2	Hose	Schlauch
29	20024043	2	Sealwasher ¾"	Dichtscheibe ¾"
30	20024045	2	Adapter	Nippel
31	20024044	10	Sealwasher ½"	Dichtscheibe ½"
32	20024057	2	Banjo ½"	Hohlschraube ½"



35	20024058	2	Adapter	Nippel
36	20024059	3	Adapter	Nippel
37	20024063	1	Quick coupling	Schnellkupplung
38	20024064	1	Dust cap	Staubkappe
39	20024062	2	Quick coupling	Schnellkupplung
40	20024065	2	Dust cap	Staubkappe
41	20023024	0,5m	Hose protection	Schlauch Schutz
42	20019022	2	Bracket f/motor	Beschlag f/Motor
43	20022103	1	Sealing f/shaft f/motor	Dichtungssatz f/Welle f/Motor



50	20025012	1	OC valve	OC Ventil
51	20025001	1	Flow valve	Drossel Ventil
52	20023013	2	Hose	Schlauch
53	20023014	2	Hose	Schlauch
54	20023023	1	Hose	Schlauch
55	20023025	1	Hose	Schlauch
56	20024061	1	Quick coupling	Schnellkupplung
57	20024060	1	Quick coupling	Schnellkupplung
58	20024067	2	Adapter	Nippel
59	20024004	12	Sealwasher 3/8"	Dichtscheibe 3/8"
60	20024037	2	Banjo bolt 3/8" double	Hohlschraube 3/8" doppelt
61	20024003	2	Banjo bolt 3/8"	Hohlschraube 3/8"
62	20024047	4	Banjo bolt 1/4"	Hohlschraube 1/4"
63	20024066		Sealwascher 1/4"	Dichtscheibe 1/4"
64	20024068	2	Banjo bolt 1/4" double	Hohlschraube 1/4" doppelt
65	20275708	1	bracket	Beslag
66	20275707	1	washer	Scheibe
67	M5x35	4	Screw	Schraube