TITAN
CLASSIC
INTERCRAFT

Operating Instructions and Technical Data

UNIVERSAL STONE CUTTING MACHINES TO CUT MARBLE, GRANITE, SLATE, SLATE TILES, ROOFING TILES ETC. CUTTING IS DEPENDABLE AND PRECISE.

Wit the Titan, Classic and Intercraft saw from Kaufmann you have selected a top quality product that will do general work as well as complicated jobs. On the first cut you will notice that the Kaufmann company does produce user-friendly stone saws. In order to operate and understand the technical aspects of the stone saw, we advise you to read the operating instruction carefully. With regular maintenance, long life and cutting qualities of the saw are assured.

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1315 Storm Parkway
Torrance, CA 91501
Customer Service: 800-845-3729
Fax: 310-530-9953

SAFETY PRECAUTIONS FOR THE TITAN AND INTER-CRAFT SAWS

The Titan and Intercraft Stone Saws are designed to use diamond blades only. Under no circumstances are the saws to be used for cutting metal or wood. For best results always use the correct diamond blade for the material being cut. Adequate coolant must be used with all wet cutting diamond blades. When cutting, the workpiece must be held firmly in place to prevent the blade from twisting or bending. Place no more than 300 kg of material on worktable at any time.

Avoid contact with running blade. When changing the blade or making repairs, be sure saw is disconnected from its electrical source. When operating the saw, always wear eye, ear, and hand protection. Never operate saw without blade guard in place.
When transporting the saw, be sure to lock the motor onto the guide rail, using motor locking knob.

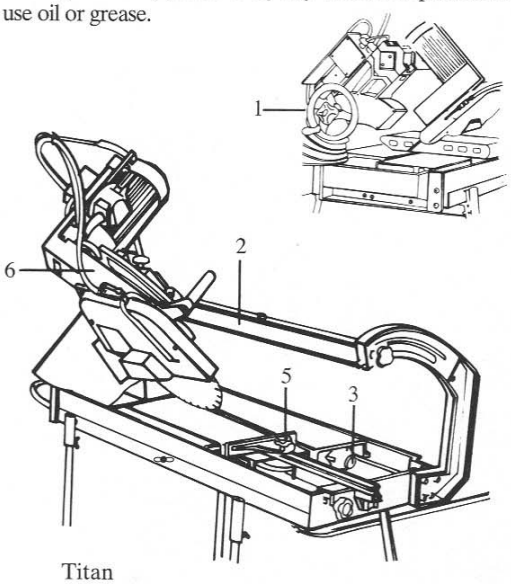
SET UP

1. Place machine on stand and level ground.
2. Check electrical current for proper Voltage, Hertz, and Amps. Use motor plate for reference. Check electrical plug for proper amperage.
3. Fill tub with water to approx. 1cm below the top.
4. Release cutting head from its lock position on rail.
5. Set machine for respective material to be cut.
6. Start motor by pressing green button.
7. Stop motor by pressing red button.
8. The saw should be fastened on the table at the described markings with the wingscrew (7) - see picture below.

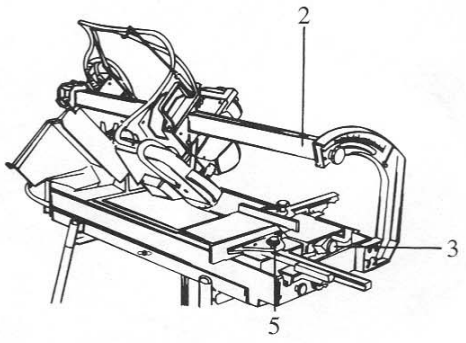
Attention! It is advisable, when cutting any material to cut with feeling and not with force. Shut off motor as soon as material is cut. Leaving the motor running too long without a load, could result in damage to the capacitor. The motor is equipped with a thermal overload switch. Should the motor be overloaded or overheated it will shut off automatically. Should this happen, press the off switch button. Wait a few minutes until the motor has cooled down. Then continue normal operation.

PRACTICAL OPERATING TIPS

1. Should you use the Mitre Cut only occasionally, it is advisable to move the cutting head (use crank wheel - 1) all the way to its 45 degree position and back several times every 3-4 weeks. On saws of 6 foot cutting length and longer an extra workman should assist in moving the guide rail to its 45 degree position and back.
2. Do not run motor without a load for more than 3 minutes
3. Clean guide rail (2) once every day with a damp cloth. Never use oil or grease.
4. Check pump (3) operation
5. Check cutting head (4) for play on guide rail. Should there be play, make adjustment. See separate description on page 5
6. Cleaning of the machine once a week is recommended. Caution - do not use steam cleaner!
7. Move angle guide back and forth several times a week for continuous smooth operation. Grease spring and ball (5) monthly.
8. Check belt (6) tension on TITAN saw monthly. See page 5 for details.



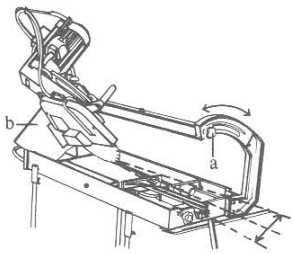
Titan



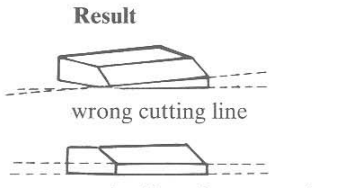
Intercraft

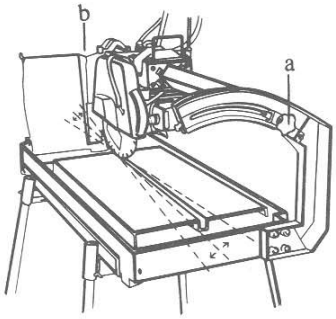
MITRE CUT POSSIBILITIES

Precise cuts from 0-45 degrees are the strong points of the Intercraft and Titan Stone Saws. Even mitre cuts can be shifted by loosening the adjustment knob (a) and light movement to the left or to the right.



Titan





Intercraft

Titan
Effective Cutting Heights during Mitre Cut Setting

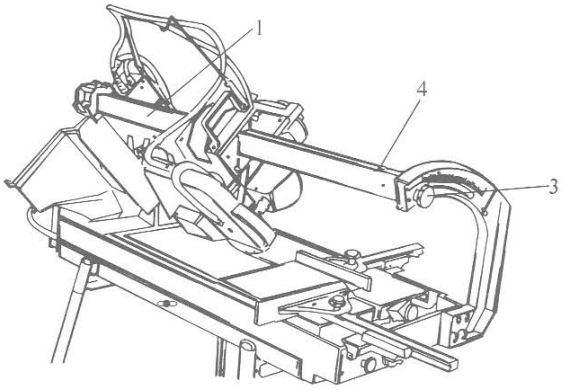
Blade-Ø mm	Cutting height mm	Effective Cutting Height with 45°, mm
300	105	60
350	130	80
400	155	95

Intercraft
Effective Cutting Heights during Mitre Cut Setting

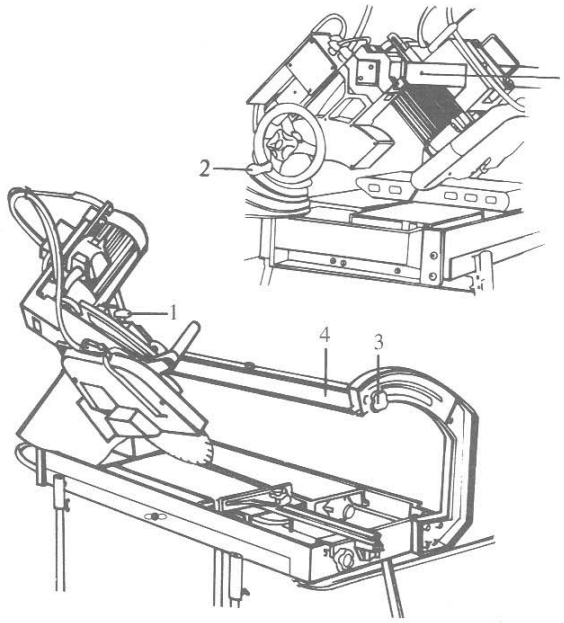
Blade-Ø mm	Cutting height mm	Effective Cutting Height with 45°, mm
250	50	40
300	80	60
350	105	75
400	130	95

SETTING MITRE CUT POSITION

Lock motor on guide rail (1). Loosen adjustment knob on hand crank (2) and adjustment knob on guide rail support arm (3). Now any mitre cut setting between 1-45 degrees can be made by turning the hand crank. On saws with a cutting length of 5 ft. or longer, it is necessary to have a helper for moving the guide rail to a mitre cut position or back.



Intercraft



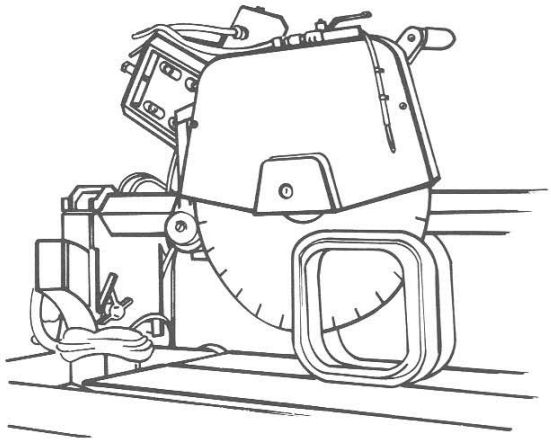
Titan

HEIGHT ADJUSTMENT

Titan: A cutting height from 0-155 mm can be obtained in one movement or operation. The blade can easily be adjusted up and down without shutting the motor off. It can also be set in any position, You also have the option of using three different blade sizes of 300 mm, 350 mm, and 400 mm diameter.

Intercraft: The Saw does not have a height adjustment

Caution! The part no. 265 (PVC Spacer Washer) could possibly wear out after lengthy use, resulting in uneven cuts (original Washer thickness: 2mm)



Titan

THE PRECISE CUTTING QUALITIES OF THE INTER-CRAFT AND TITAN STONE SAW

We are sure that you are familiar with large cutting tolerances. This is not the case with the Titan and Intercraft saw. We guarantee a precise cut of +/-0.3mm on a cutting length of 600mm. The cutting possibilities of the Titan Saw are practically unlimited. You can make diagonal cuts, mitre cuts, angle cuts and more. With the help of the angle guide, even complicated cuts become a simple operation. Even if other stone cutting saws encounter problems for precise cuts at long length, the Titan and Intercraft Stone Saws guarantee precise cuts up to three meters in length.

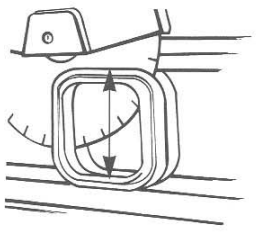
Cutting Possibilities of the Titan and Intercraft Saw:

Figure 1 Notchless mitre cut from 0-45 degrees at the edge in one cut over the whole cutting length of the saw up to 2000 mm

Figure 2 Notchless mitre cut from 0-45 degrees in the centre of the material in one cut over the whole length of the saw up to 3000 mm

Figure 3 Mitre cut and regular diagonal cut in one cut over the whole length of the saw up to 2100 mm

Figure 4 Cutting possibilities of the Titan Stone Saw. Back cuts, slots and several other cuts (see drawing) up to length of 2000 mm



Realizable cutting shaped with Titan and Intercraft

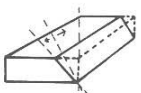


Figure 1

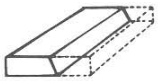


Figure 2

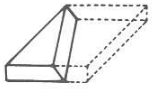


Figure 3

Realizable cutting shaped with Titan

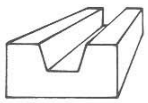


Figure 4

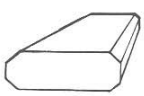


Figure 4

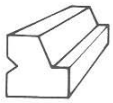


Figure 4

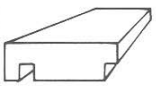
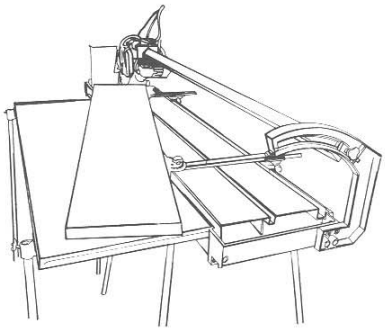
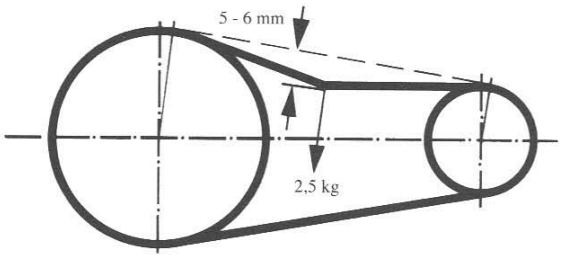


Figure 4



INSTALLATION AND MAINTENANCE OF THE BELT

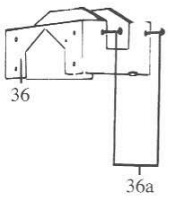
For Stone Saw type Titan only.
It is particularly important that both Belt Pullies are parallel to each other. The Belt should be free of grease and dirt. Misalligned and dirty Belts will lower their life span. Installation of the Belt should be by hand. It is important that the tension of the Belt is set as per measurements shown in the drawing. After several days of operation the Belt tension should be rechecked and - if necessary - re-adjusted to specifications.

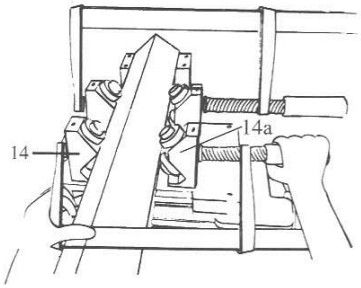


To check the Belt tension, press the weight of approx. 2.5 kg against the outside of the Belt. The sag should be 5 mm - 6 mm

CHECK CUTTING HEAD

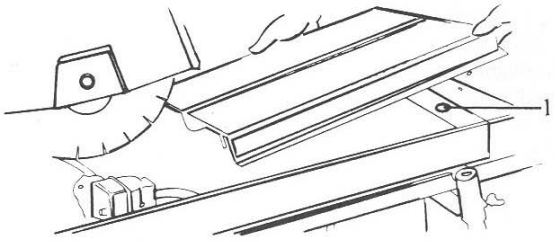
In case your Intercraft or Titan saw is damaged in transport, it is recommended to re-check your Cutting Head for tolerance on the guide rail. You must first remove the bearing cover (36). Then you must loosen bearing block bolts (14a). After that,use two C-clamps to hold bearing blocks together against the guide rail until you notice that there is no more play. Move cutting head back and forth on the guide rail. Make sure that all bearings are turning freely. Tighten the bearing bolts again. After re-attachment of the bearing cover you can make a fine adjustment with the two adjustment screws (36a).





CLEANING OF THE SAW

Clean guide rails daily with a damp cloth. Do not oil or grease guide rail. Drain slurry and dirty water from the tub daily to prevent clogging of the water pump.Keep the water pump free of dirt. A clean machine will operate more efficiently and last longer. Normal cleaning is made easier by sliding the water pump out of its slot and lifting the work table out of the pan.

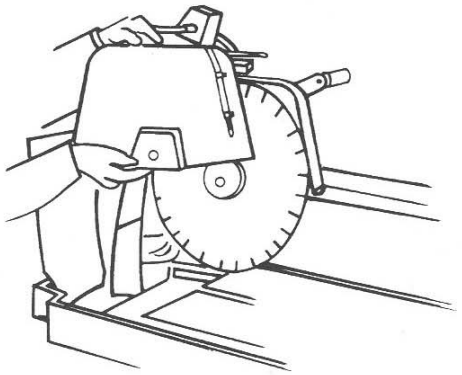


Caution: Do not clean with hot steam machine!

DIAMOND BLADE CHANGES FOR INTERCRAFT AND TITAN SAWS

For Titan and Intercraft Saws.
To change the blade, remove Blade Guard Face Plate, loosen Flange Nut (Caution: lefthanded thread), and remove Flange Washer. Now the Blade can be changed.

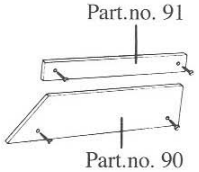
Special Instruction for Titan Saws.
The use of diamond blades with a diameter of 300 mm, 350 mm, or 400 mm does not create a problem with the TITAN saw. The adjustment can be made at any time without special tools. At the Handle Brackets (part no. 203 and 206) you will find the markings of the respective blade diameters. By simple adjustment of the Adjustment Knobs (part no. 204 and 207) and the Spacer Screw (part no. 264 - use 19 mm open end wrench) and PVC Spacer Washer (part no. 265 - see detailed drawing on page 16, 18) you can change to the respective blade size.

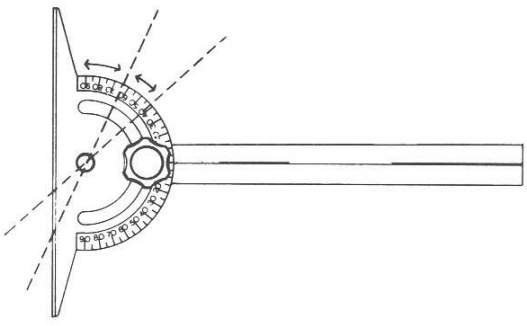


Caution! The part no. 265 (PVC Spacer Washer) could possibly wear out after lengthy use, resulting in uneven cuts (original Washer thickness: 2mm)

FAST AND PRECISE - BECAUSE TIME IS MONEY UNIVERSAL CUTTING GUIDE

The Cutting Guide is a very helpful and versatile part. The Cutting Guide is available in two lengths and adjustable to the left and to the right from 0-45 degrees. The Cutting guide can be used on all three sides of the pan and side table edges. Special parts available for the Cutting Guide are PVC brackets (part no. 90 and 91) which can be mounted on the face of the Cutting Guide.

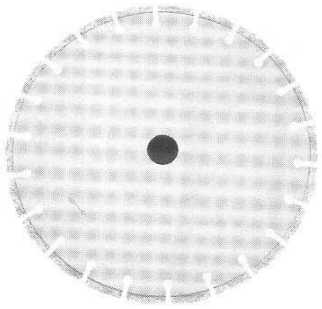




SELECTION OF DIAMOND BLADE

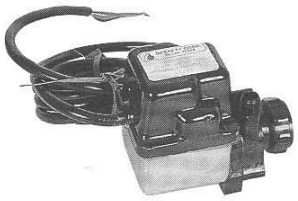
In order to get the maximum life out of your diamond blade, we recommend that you use the following table for the selection of the proper diamond blade for the respective material to be cut.

„The diamond blades listed in the following table are only available from Kaufmann"



	250 Ø		300 Ø		350 Ø		400 Ø	
Material Selection:	Order nr.	EAN-End-Nr.	Order nr.	EAN-End-Nr.	Order nr.	EAN-End-Nr.	Order nr.	EAN-End-Nr.
Concrete	93.980.01	00980 4	93.980.02	00981 1	93.980.03	00255 3	93.980.04	00983 5
Ceramic Tiles	93.982.01	00982 8	93.982.02	00986 6	-	-	-	-
Marble	93.984.01	00984 2	93.984.02	00985 9	93.984.03	00278 2	93.984.04	00987 3
Clinker Tiles	93.988.01	00988 0	93.988.02	00989 7	93.988.03	00284 3	93.988.04	00990 3
Granite	93.991.01	00991 0	93.991.02	00992 7	93.991.03	00300 0	93.991.04	00993 4
Limestone etc.	93.994.01	00994 1	93.994.02	00995 8	93.994.03	00307 9	93.994.04	00996 5
Universal use	93.977.01	00977 4	93.977.02	00978 1	93.977.03	00386 4	93.977.04	00979 8

Water Pump for Titan and Intercraft Stone Saws



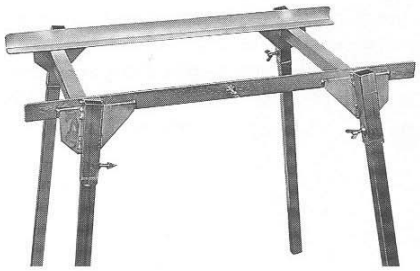
Type N-300, 220V/55 Watts
Pump Capacity per minute at 60 cm height: 18 litres

Type G-500, 220V/85 Watts
Pump Capacity per minute at 60 cm height: 32 litres

Saw Stand

with four detachable legs, for Titan and Intercraft Stone Saws

	Order nr.
for Cutting Length 350-650 mm	93.962.01
for Cutting Length 700-1000 mm	93.962.02



Side Table

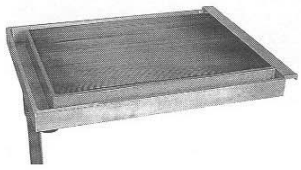
without Rail for Cutting Guide Attachment

Order nr.	Dimensions.	EAN-No.
93.963.01	400x500	00814 2
93.963.02	800x500	01662 8
93.963.03	1000x500	01691 8
93.963.04	1500x500	01663 5
93.963.05	2000x500	01661 1
93.963.06	2500x500	01664 2
93.963.07	1000x1000	01683 3

Side Table

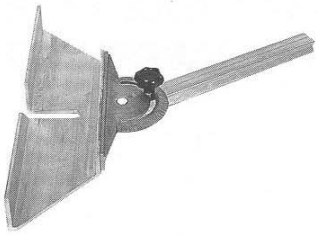
with Rail for Cutting Guide Attachment

Order nr.	Dimensions.	EAN-No.
93.963.20	400x500	01670 3



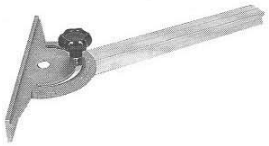
90 degree Angle Guide

Order nr.	Dimensions.	EAN-No.
93.967.01	600	00387 1



Spare Angle Guide

Order nr.	Dimensions.	EAN-No.
93.964.01	300	00456 4
93.964.02	600	00457 1



Cutting Guide Adapter

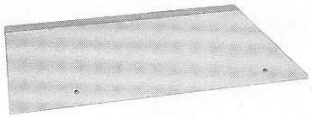
PVC (for the protection of ceramic tile edges)

Order nr.	Dimensions.
93.966.01	30x220

Cutting Guide Adapter

PVC (for the protection of ceramic tile edges)

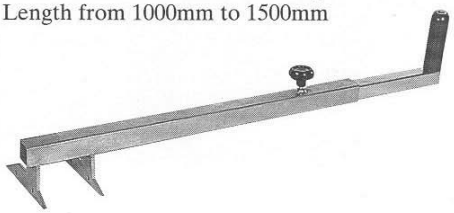
Order nr.	Dimensions.
93.966.02	80x400



Handle Extension

for Titan Stone Saws for Cutting Length from 1000mm to 1500mm

Order nr.
93.968.01



Crank Advance

(manual or electric) for Titan and Intercraft Stone Saws

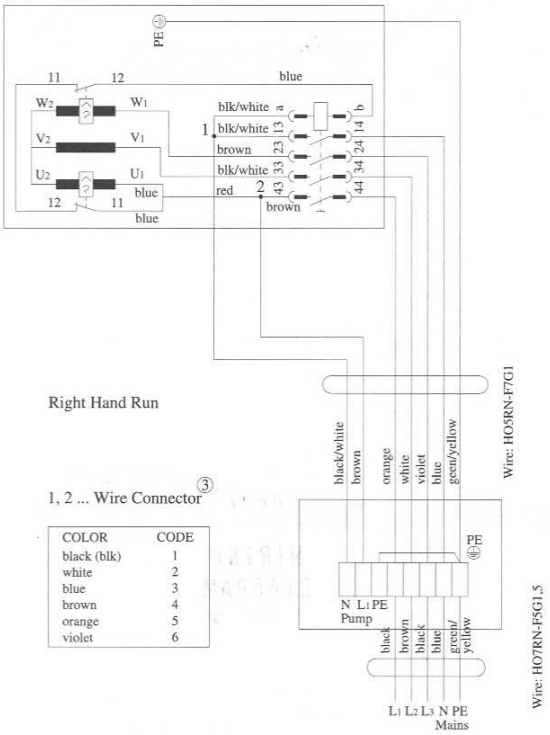
TITAN STONE SAW: TECHNICAL DATA

Type	Cutting Length in cm	Measure-ments in cm	Weight in kg	Max. Blade Ø in mm	Pump N-300	Pump G-500	Power in kW	Volts AC	Electri-city in A	WIRING DIAGRAM NUMBER	Current Protection in A	Max. RPM
93.330.01	50	117x62x80	83,60	400	x		1,9	230	12,3	3	16 Circuit Safety	2.860
93.340.01	50	117x62x80	83,60	400	x		2,2	400	5,6	1	10	2.860
93.330.02	65	132x62x80	85,60	400	x		1,9	230	12,3	3	16 Circuit Safety	2.860
93.340.02	65	132x62x80	85,60	400	x		2,2	400	5,6	1	10	2.860
93.330.03	100	174x62x80	92,00	400	x		1,9	230	12,3	3	16 Circuit Safety	2.860
93.340.03	100	174x62x80	92,00	400	x		2,2	400	5,6	1	10	2.860
93.330.04	125	192x62x80	94,00	400	x		1,9	230	12,3	3	16 Circuit Safety	2.860
93.340.04	125	192x62x80	94,00	400	x		2,2	400	5,6	1	10	2.860
93.330.05	150	217x62x80	100,60	400		x	1,9	230	12,3	3	16 Circuit Safety	2.860
93.340.05	150	217x62x80	100,60	400		x	2,2	400	5,6	1	10	2.860
93.330.06	200	267x62x80	130,00	400		x	1,9	230	12,3	3	16 Circuit Safety	2.860
93.340.06	200	267x62x80	130,00	400		x	2,2	400	5,6	1	10	2.860

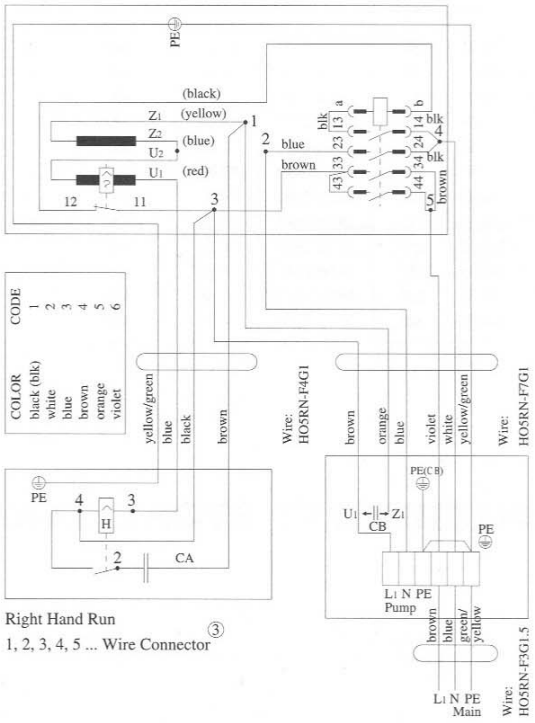
INTERCRAFT STONE SAW: TECHNICAL DATA

Type	Cutting Length in cm	Measure-ments in cm	Weight in kg	Max. Blade Ø in mm	Pump N-300	Pump G-500	Power in kW	Volts in V AC	Electri-city in A	WIRING DIAGRAM NUMBER	Current Protection in A	Max. RPM
93.110.01	35	84x57x50	54,00	300	x		1,9	230	12,3	2	16 Circuit Safety	2.860
93.140.01	35	84x57x50	54,50	300	x		2,2	400	5,6	1	10	2.860
93.110.02	50	99x57x50	59,30	300	x		1,9	230	12,3	2	16 Circuit Safety	2.860
93.140.02	50	99x57x50	60,30	300	x		2,2	400	5,6	1	10	2.860
93.110.03	65	114x57x50	63,49	300	x		1,9	230	12,3	2	16 Circuit Safety	2.860
93.140.03	65	114x57x50	64,00	300	x		2,2	400	5,6	1	10	2.860
93.110.04	85	134x57x50	64,40	300	x		1,9	230	12,3	2	16 Circuit Safety	2.860
93.140.08	85	134x57x50	65,40	300	x		2,2	400	5,6	1	10	2.860
93.110.05	100	149x57x50	68,60	300	x		1,9	230	12,3	2	16 Circuit Safety	2.860
93.140.04	100	149x57x50	68,90	300	x		2,2	400	5,6	1	10	2.860
93.110.06	125	174x57x50	79,40	300	x		1,9	230	12,3	2	16 Circuit Safety	2.860
93.140.05	125	174x57x50	80,00	300	x		2,2	400	5,6	1	10	2.860
93.110.07	152	201x57x50	84,40	300		x	1,9	230	12,3	2	16 Circuit Safety	2.860
93.140.06	152	201x57x50	85,00	300		x	2,2	400	5,6	1	10	2.860
93.110.08	183	232x57x50	96,60	300		x	1,9	230	12,3	2	16 Circuit Safety	2.860
93.140.07	183	232x57x50	97,10	300		x	2,2	400	5,6	1	10	2.860
93.110.09	244	293x57x50	155,80	300		x	1,9	230	12,3	2	16 Circuit Safety	2.860
93.140.09	244	293x57x50	156,50	300		x	2,2	400	5,6	1	10	2.860
93.110.10	305	354x57x50	181,60	300		x	1,9	230	12,3	2	16 Circuit Safety	2.860
93.140.10	305	354x57x50	182,50	300		x	2,2	400	5,6	1	10	2.860
93.120.01	50	114x57x50	59,30	400	x		1,9	230	12,3	2	16 Circuit Safety	2.860
93.150.01	50	114x57x50	60,00	400	x		2,2	400	5,6	1	10	2.860
93.120.02	65	124x57x55	63,50	400	x		1,9	230	12,3	2	16 Circuit Safety	2.860
93.150.02	65	124x57x55	64,00	400	x		2,2	400	5,6	1	10	2.860
93.120.03	100	159x57x55	76,00	400	x		1,9	230	12,3	2	16 Circuit Safety	2.860
93.150.03	100	159x57x55	76,50	400	x		2,2	400	5,6	1	10	2.860
93.120.04	120	174x57x55	79,40	400	x		1,9	230	12,3	2	16 Circuit Safety	2.860
93.150.04	120	174x57x55	80,00	400	x		2,2	400	5,6	1	10	2.860
93.120.05	150	212x57x55	84,00	400		x	1,9	230	12,3	2	16 Circuit Safety	2.860
93.150.05	150	212x57x55	84,50	400		x	2,2	400	5,6	1	10	2.860

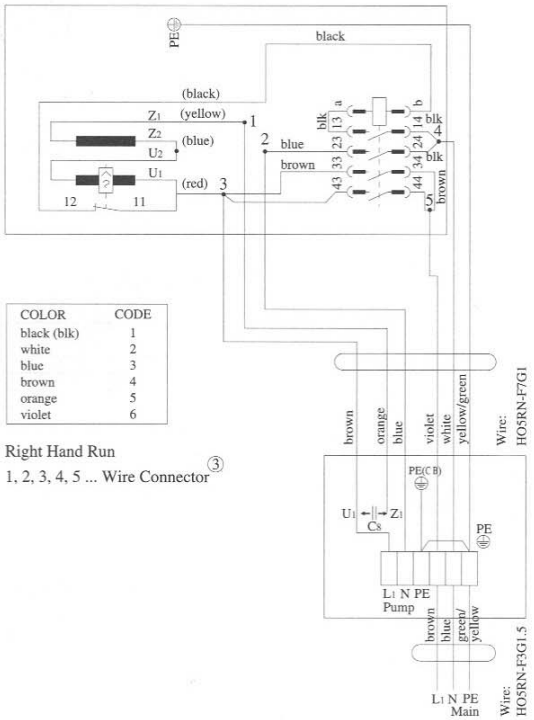
WIRERING DIAGRAM NO.1
TITAN-INTERCRAFT
400 V AC, 50 Hz



WIRERING DIAGRAM NO.3
TITAN 230 V AC, 50 Hz



WIRERING DIAGRAM NO.2
INTERCRAFT 230 V, 50 Hz



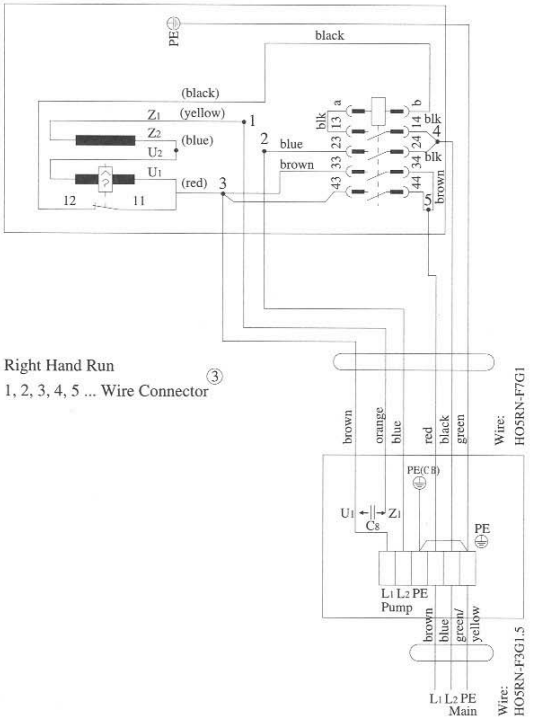
INTERCRAFT - CSA STONE SAW: TECHNICAL DATA

Type	Cutting Length in cm	Measure-ments in cm	Weight in kg	Max. Blade Ø in mm	Pump N-300	Pump G-500	Power in kW	Volts AC	Electri-city in A	WIRING DIAGRAM NUMBER	Current Protection in A	Max. RPM
93.110.01	35	84x57x50	54,00	300		x	2,6	220	16,0	4	16 Circuit Safety	3.350
93.110.02	50	99x57x50	59,30	300		x	2,6	220	16,0	4	16 Circuit Safety	3.350
93.110.03	65	114x57x50	63,40	300		x	2,6	220	16,0	4	16 Circuit Safety	3.350
93.110.04	85	134x57x50	64,40	300		x	2,6	220	16,0	4	16 Circuit Safety	3.350
93.110.05	100	149x57x50	68,60	300		x	2,6	220	16,0	4	16 Circuit Safety	3.350
93.110.06	125	174x57x50	79,40	300		x	2,6	220	16,0	4	16 Circuit Safety	3.350
93.110.07	152	201x57x50	84,40	300		x	2,6	220	16,0	4	16 Circuit Safety	3.350
93.110.08	183	232x57x50	96,60	300		x	2,6	220	16,0	4	16 Circuit Safety	3.350
93.110.09	244	293x57x50	155,80	300		x	2,6	220	16,0	4	16 Circuit Safety	3.350
93.110.10	305	354x57x50	181,60	300		x	2,6	220	16,0	4	16 Circuit Safety	3.350
93.120.01	50	114x57x55	59,30	400		x	2,6	220	16,0	4	16 Circuit Safety	3.350
93.120.02	65	124x57x55	63,50	400		x	2,6	220	16,0	4	16 Circuit Safety	3.350
93.120.03	100	159x57x55	76,00	400		x	2,6	220	16,0	4	16 Circuit Safety	3.350
93.120.04	120	174x57x55	79,40	400		x	2,6	220	16,0	4	16 Circuit Safety	3.350
93.120.05	150	212x57x55	84,00	400		x	2,6	220	16,0	4	16 Circuit Safety	3.350

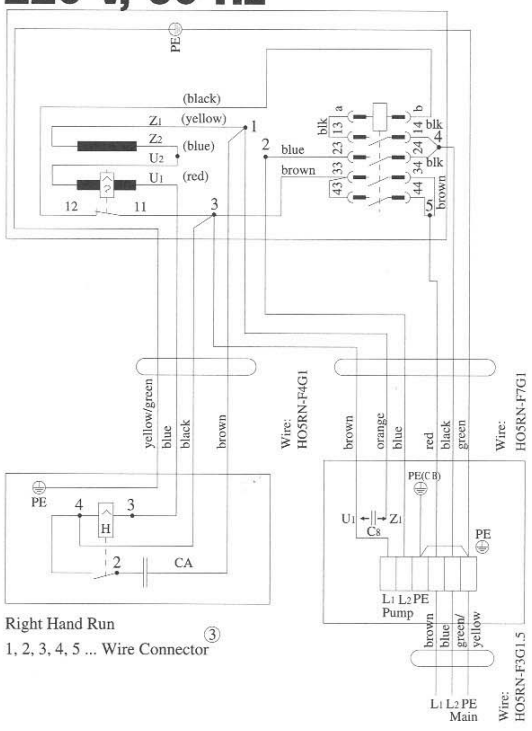
TITAN - CSA STONE SAW: TECHNICAL DATA

Type	Cutting Length in cm	Measure-ments in cm	Weight in kg	Max. Blade Ø in mm	Pump N-300	Pump G-500	Power in kW	Volts AC	Electri-city in A	WIRING DIAGRAM NUMBER	Current Protection in A	Max. RPM
93.330.01	50	117x62x80	83,60	400		x	2,6	220	16,0	5	16 Circuit Safety	3.350
93.330.02	65	132x62x80	85,60	400		x	2,6	220	16,0	5	16 Circuit Safety	3.350
93.330.03	100	174x62x80	92,00	400		x	2,6	220	16,0	5	16 Circuit Safety	3.350
93.330.04	125	192x62x80	94,00	400		x	2,6	220	16,0	5	16 Circuit Safety	3.350
93.330.05	150	217x62x80	100,60	400		x	2,6	220	16,0	5	16 Circuit Safety	3.350
93.330.06	200	267x62x80	130,00	400		x	2,6	220	16,0	5	16 Circuit Safety	3.350

WIRERING NO.4 INTERCRAFT CSA 220 V, 60 Hz



WIRERING NO.5 TITAN CSA 220 V, 60 Hz



PARTS LIST FOR TITAN & INTERCRAFT STONE SAW

Symbols	
→	= Specify, measurement, and length
d	= See detailed drawing
❑	= Component set
■	= Set - subject to wear
❍	= Part - subject to wear
z	= Special accessory
+	= Single part not available
s	= Set
∞	= Special part

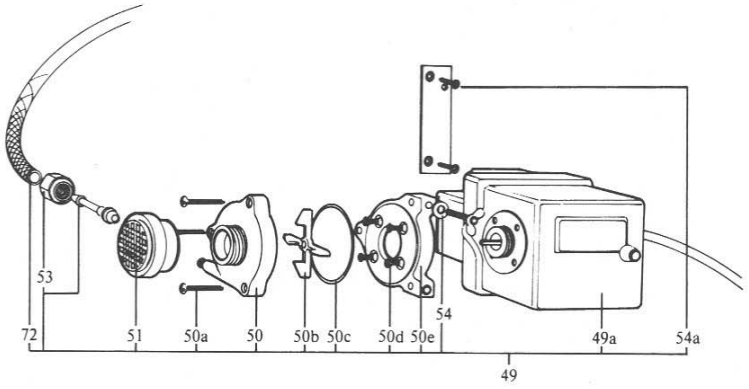
Pos.	Symbol	Number of pieces	Description
1	→s+	1	Tub Section
2	→	1	Rubber Seal
3		1	Tub End Section without Drain
4		1	Tub End Section with Drain
5	∞	1	Drain Plug 1"
5a		1	Drain Plug Gasket
6	→	1	Worktable, complete with Pad
6a	→	2	Rubber Pads
7	d	1	Mitre Cut Housing
8	d	1	Mitre Cut Guide Section
9	d	1	Cover Plate
9a	sd	5	Selftapping Metal Screws 3,5 x 9,5 Din 7971B
10	❑d	1	Gearbox complete
11	❑d	1	Mitre Cut Assembly, complete
11a	∞	1	Hexhead Bolt M12 x 140 Din 931
11b		1	Bushing
11c		1	Pinion Gear
11d	∞	1	Crank
11f		1	Flat Washer M12 Din 134
11g		1	Adjustment Knob, Crank Wheel M12 Din 6336
11h		1	Set Screw M6 x 8 Din 914
11i	d	1	Spring Ring Ø 12 Din 471
11k	d∞	1	Spacer Washer 28 x 20 x 3
12	d	1	Boot
13		1	Boot Support Angle Piece (inside Boot)
13a	sd	2	Selftapping Metal Screws 3,5 x 9,5 Din 7971B
14		2	Bearing Blocks
14a	s	4	Hexhead Bolt M10 x 25 Din 933 with Flat Washer M10 Din 125 A
15	s	8	Hexhead Bolt M10 x 20 Din 933
16	s	8	Motor Guide Rail Bearings
17	s	8	Spacers for Motor Guide Rail Bearings 16 x 10, 5 x 0,2 Din 988
18		1	Motor Base Plate
19	s	4	Hexhead Bolt M8 x 30 Din 933 with Flat Washer M8 Din 125 A
19a	s	2	Hexhead Bolt M8 x 25 Din 933
21	→	1	Motor with on/off Witch
22		1	Outer Flange Washer
22a	d	1	Inner Flange Washer 30mm Titan
22b	d→	1	Inner Flange Washer 25.4 mm Intercraft
	d→	1	Inner Flange Washer 30 mm Intercraft
23		1	Flange Nut M20 Left Hand Thread Din 934
24	d	1	Motor Fan Cover
24a	ds	2	Screws M4 x 10 Din 7516 B
24b	d→	1	Motor Housing with Feet
24c	d→	1	Motor Housing with Feet
24d	d	1	V-Ring
25	d	1	Motor Fan
26		1	Guide Rail Support Arm
27a	s	1	Hexhead Bolt M8 x 35 Din 933 Nuts M8 Din 934 and Washer M8 Din 125 A
27b	s	1	Hexhead Bolt M8 x 30 Din 933 incl. Nut M8 Din 934
28		1	Guide Block
29	∞	1	Adjustment Knob, Guide Rail M8 x 30 Din 6336
29a		1	Flat Washer M8 Din 125 A
30	→	1	Guide Rail
31	→	1	Ready Rod M8 incl. Nuts M8 Din 934
32	→	1	Guide Rail End Cap
33	→	1	Guide Rail End Cap
34	s	1	Motor Stop with Bolt M5 x 10 Din 84 A
35	→	1	Guide Rail Clamp
36		1	Bearing Cover
36a	s	2	Sockethead Bolts M6 x 20 Din 84A, incl. Nuts M6 Din 934
37		1	Locking Knob for Cutting Head
38		1	Spring
39		1	Handle
40	s	2	Hexhead Bolt M6 x 35 Din incl. Spring Washer M6 Din 127B
40a	s	2	Hexhead Bolt M6 x 30 Din incl. Spring Washer M6 Din 127B
42		1	Hose Clamp
44	s	8	Flathead Screws M6 x 10 Din 84A incl. Flat Washer M6 Din 125A
46	■	4	Wipers
47		4	Wiper Spacers
48	→	1	Cable Guide Spring
48a	→	1	Cable Guide Rod M5 Din 125A incl. Spring Washer and Nut M5 Din 934
48b		1	Cable Guide Support Bracket
48c	s	2	Selftapping Screws 3,5 x 9,5 Din 7971B
49	d❍→	1	Water Pump, complete
49a	d+	1	Water Pump without Housing
50	d'	1	PVC Housing
50a	ds'	3	Selftapping Crews Din 7981 ø 4,2 x 19
50b	d→	1	Pump Impeller
50c	d→	1	O-Ring
50d	ds→	4	Countersunk Metal Screws Din 7982
50e	d→	1	PVC Housing
51	d→	1	Filter

53	ds→	1	Hose Fitting with Nut 1/4" - 6 mm
54	ds→	1	Wing Screw M5 x 16 Din 316 incl. Flat Washer M5 Din 125A
54a	ds→	1	Pump Support Bracket incl. countersunk Metal Screws ø 3,5 x 9,5 Din 7972B
56	→	1	On/off Switch complete with Relay
56c	→	1	Capacitor
56d	→	1	Junction Box without Capacitor
56e		1	PVC Connector
56f		2	PVC Connectors
57		1	Cover
58		1	Gasket
59		1	Gasket
60	s	4	Flat Head Screws M4 x 80 incl. Nuts and Washers
61	s→	1	Splash Guard, large incl. Metal Screws 3,5 x 9,5 Din 7971B
61a	s→	1	Splash Guard, small incl. Metal Screws 3,5 x 9,5 Din 7971B
62	→	1	Splash Guard Support Rod
63		1	Clamp Plate
63a		2	Sockethead Screws M6 x 16 Din 912
64	→	1	Cutting Guide, complete, 300mm
	→	1	Cutting Guide, complete, 600mm
65		1	Cutting Guide Bracket, complete
65a	s	1	Hexhead Screw M6 x 30 Din incl. Spring and Flat Washers
65b		1	Hexhead Screw M6 x 20 Din 933
65c		1	Cutting Guide Bracket
65d		1	Support Bracket
65e		1	Flat Washer M6 Din 125A
65f		1	Adjustment Knob
65g	s	1	Hexhead Screw M8 x 30 Din incl. Nut, Support Bracket, and Lock Nut
65h		1	Adjustment Knob M6 Din 6336
66	→	1	Angle Guide, complete 300 mm
	→	1	Angle Guide, complete 600 mm
66a	∞	1	Adjustment Knob, male, incl. Washer
68	s→	1	Blade Guard, complete
68a	s	2	Wing Scews M6 x 16
68b	→	1	Blade Guard Face Plate
68c	→	1	Blade Guard Cover
70		1	Water Hose Fitting (Y-shape)
71	s→	1	Water Feed, complete
71a		2	Water Jets
71b		2	Clamps incl. Metal Screws 3,5 x 9,5 Din 7971B
71c	→	2	Water Hoses
72	→	1	Water Hose
74	s→	1	Blade Guard, complete, incl. Water Control Valve
	sz→	1	Blade Guard, complete, incl. Water Control Valve
76	❍→	1	Diamond Blade (optional)
77		1	Carrying Handle, back
78		1	Carrying Handle, front
79	s	5	Sockethead Screws M10 x 35 Din 912
79a	s	3	Sockethead Screws M10 x 30 Din 912
80	s	2	Sockethead Screws M10 x 50 Din 912
81		1	Sockethead Screws M10 x 90 Din 912
82	s	4	Sockethead Screws M10 x 30 Din 912, incl. Nuts, stainless steel
83	s	2	Hexhead Screws M10 x 45 Din 933 incl. Spring Washer
84	s	2	Hexhead Screws M10 x 35 Din 933, incl. Nuts, and Spring Washer, stainless steel
85	s→	4	Sockethead Screws M10 x 35 Din 912
	s→	4	Sockethead Screws M10 x 60 Din 912
	s→	4	Sockethead Screws M10 x 110 Din 912
86	s	4	Sockethead Screws M10 x 45 Din 912
87	s	1	Hose Clamp, incl. Metal Screw 3,5 x 9,5 Din 7971B and Washer M4 Din 125A
88	s	2	Hose Clamp, incl. Metal Screw 3,5 x 9,5 Din 7971B
90	z	1	PVC Support Bracket, large, incl. Srews M5 x 20 Din 84A
91	z	1	PVC Support Bracket, small, incl. Screws M5 x 10 Din 84A
92	z→	1	Stand, complete 830 mm
	z→	1	Stand, complete 1280 mm
92a		4	Table Legs
92b	→	1	Table Frame 830 mm
	→	1	Table Frame 1280 mm
92c	s	4	Wing Screws M8 x 20 Din 316
94	z→	1	Side Table, complete (specify type and size)
94a	z→	1	Side Table Leg
94b	z→	1	Side Table Top (specify size)
95	s→		Worktable Support Screw, stainless steel
96	s→		Sockethead Screws M6 x 55 A2 Din 912 incl. Nut, M6 A2 Din 934 stainless steel
98	s	1	Sockethead Screw M4 x 10 Din 84A, incl. Nut M4 Din 125A and Flat Washer M4 Din 934
100	sz	1	Water Control Valve, complete
100a		2	Hose Connections
100b		2	Sockethead Screws M5 x 30 Din 912
100c		1	Shut off Handle
100d		1	Water Distributor
100e		1	Nipple 1/4", threaded both sides
100f		1	Water Shut off Valve, incl. Handle
100g		1	PVC 1/4"- 6 mm Hose Fitting
210		1	Sockethead Screw M12 x 100 Din 912
202		1	Handle
203		1	Handle Bracket, top
204	∞	1	Adjustment Knob, male, incl. Flat Washer
205	∞	1	Flat Head Screw
206		1	Handle Bracket, bottom
207	∞d	1	Adjustment Knob, male
208	d	1	Bracket, T-shape
209	d	1	Adjustment Bracket
210	ds	1	Set of 3 Sockethead Screws, incl. 2 Spring Rings

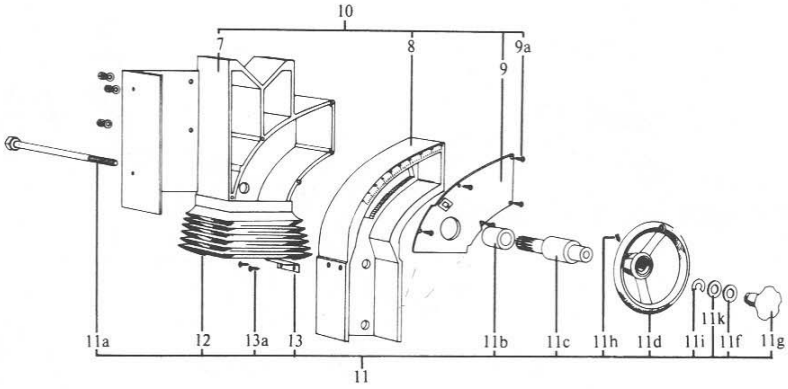
211	∞	2	Spacer Screw
212	s	4	Sockethead Screws, M10 x 20 Din 912
213	s	2	Countersunk Screws, M6 x 10 Din 963A
214		1	Belt Guard
215		1	Belt Type FO-Z, Spz. LW 837
230	s	2	Flat Head Screws, M6 x 10 Din 84A incl. Flat Washers M6 Din 125A
231		1	Splash Guard Support Bracket
232		1	Splash Guard
240		1	Hexhead Nut, left handed thread, 20mm
241		1	Belt Pully ø 63
242		1	Bushing Seal with O-Ring
243		1	Junction Box, complete
244	s	1	Cable to Junction Box Fitting
245	s	1	Hexhead Screw, M10 x 50 Din 933 mit incl. Nut M10 Din 934
246		1	Motor Support Bracket
250	ds∞	1	Flat Head Screw, M6 x 12 mit incl. Nut, Flat Spring Washer
251	d∞	1	Flat Head Screw M6 x 5,5
252	d	1	Flat Head Screw M8 x 16 Din 963
253	d	1	Spacer Washer
254	d	1	Blade Guard Support Arm
255	d	1	Blade Guard Support Bracket
256	d	1	Bearing 6205 - 2 NSL
257	d	1	Bearing 6206 - 2 NSL
258	d	1	Spring 6 x 6 x 10
259	d	1	Axle
260	d	1	Spring
261	d	1	Spring Support Bolt
262	d	1	Spring Support Bolt
264	d	1	Spacer Screw
265	d	1	Spacer Washer, PVC
266	d	1	Guide Block
269	d	1	O-Ring, ø 59.5 mm x 3 mm
270	d	1	O-Ring, ø 65 mm x 3 mm
271	d	1	Bearing 6205-2 NSL
272	d	1	Grease Ring
273	d	1	Spring Pin ø 5 x 24 Din 6325
274	d	1	Shaft
275	d	1	Spring 6 x 6 x 12
276	d	1	Bearing 6205-2 NSL
277	d	1	Spring Ring ø 60 Din 471
278	d	1	Bearing Support
279	d	1	Spring Ring ø 60 Din 471
280	d	1	Spring Ring ø 52 Din 472
281	d	1	Belt Pully ø 75
282	d	1	Spacer
283	d	1	Sockethead Screw, M6 x 10 Din 912
300	s→	1	Blade Guard, complete
300a	ds	2	Wing Nut, M6 x 16
300b	d→	1	Blade Guard Face Plate
300c	d→	1	Blade Guard Cover
310	s→	1	Water Feed, complete
310a		2	Water Jets
310b		2	Clamps, incl. Metal Screws 3,5 x 9,5 Din 7971B
310c	→	2	Water Hoses
320	s→	1	Blade Guard, complete, incl. Water Control Valve
999	s	1	Tool Set, complete: 1 Open End Wrench 8 mm / 10 mm Din 3110 1 Open End Wrench 19 mm Din 894 1 Open End Wrench 30 mm Din 894 1 Stocket Wrench 13 mm/17 mm Din 896 1 Pin 6 mm x 150 mm 1 Pin 6 mm x 180 mm

DETAIL DRAWING

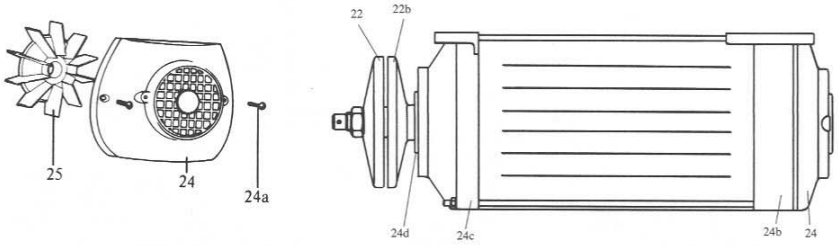
Water Pump



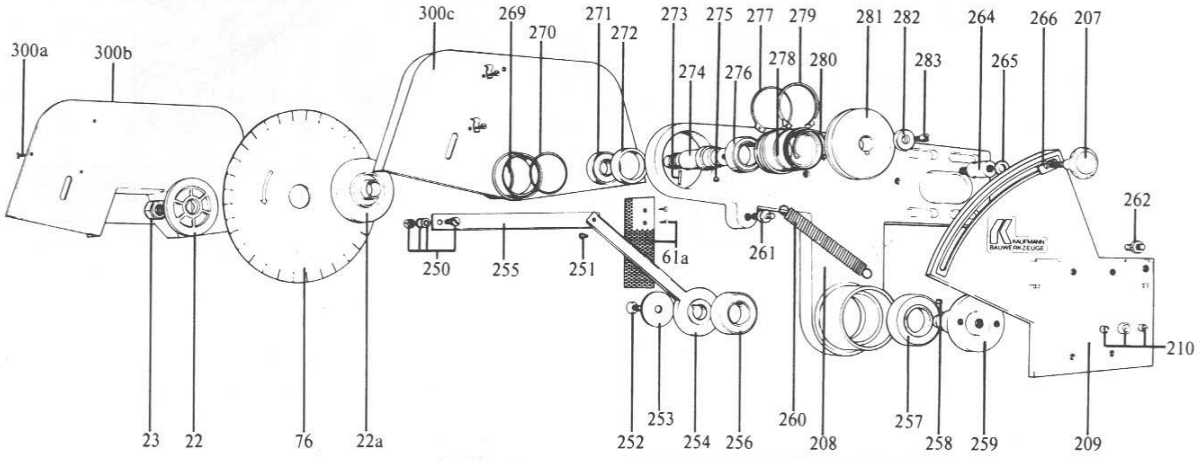
Gear Box

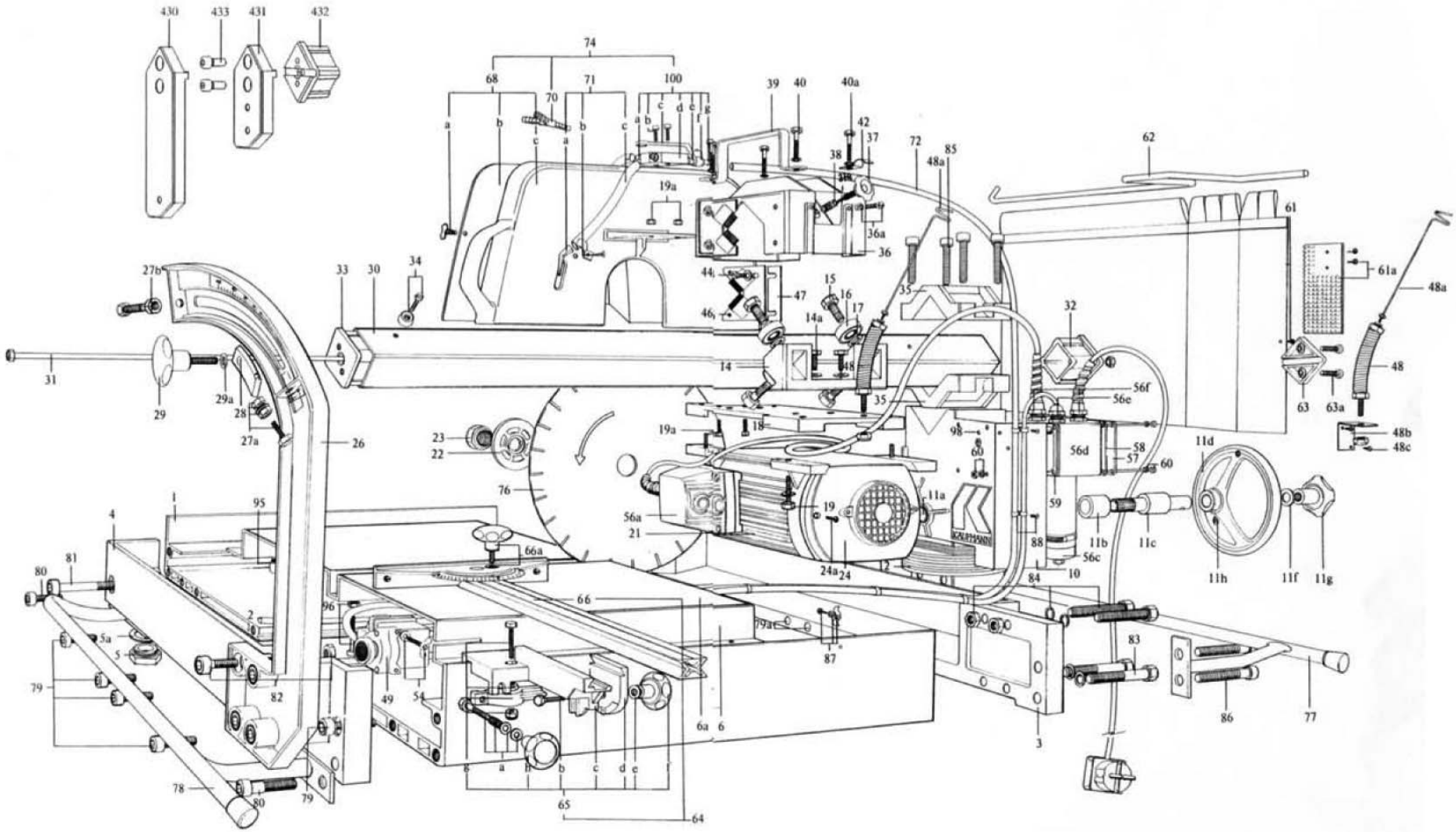


Motor Cover

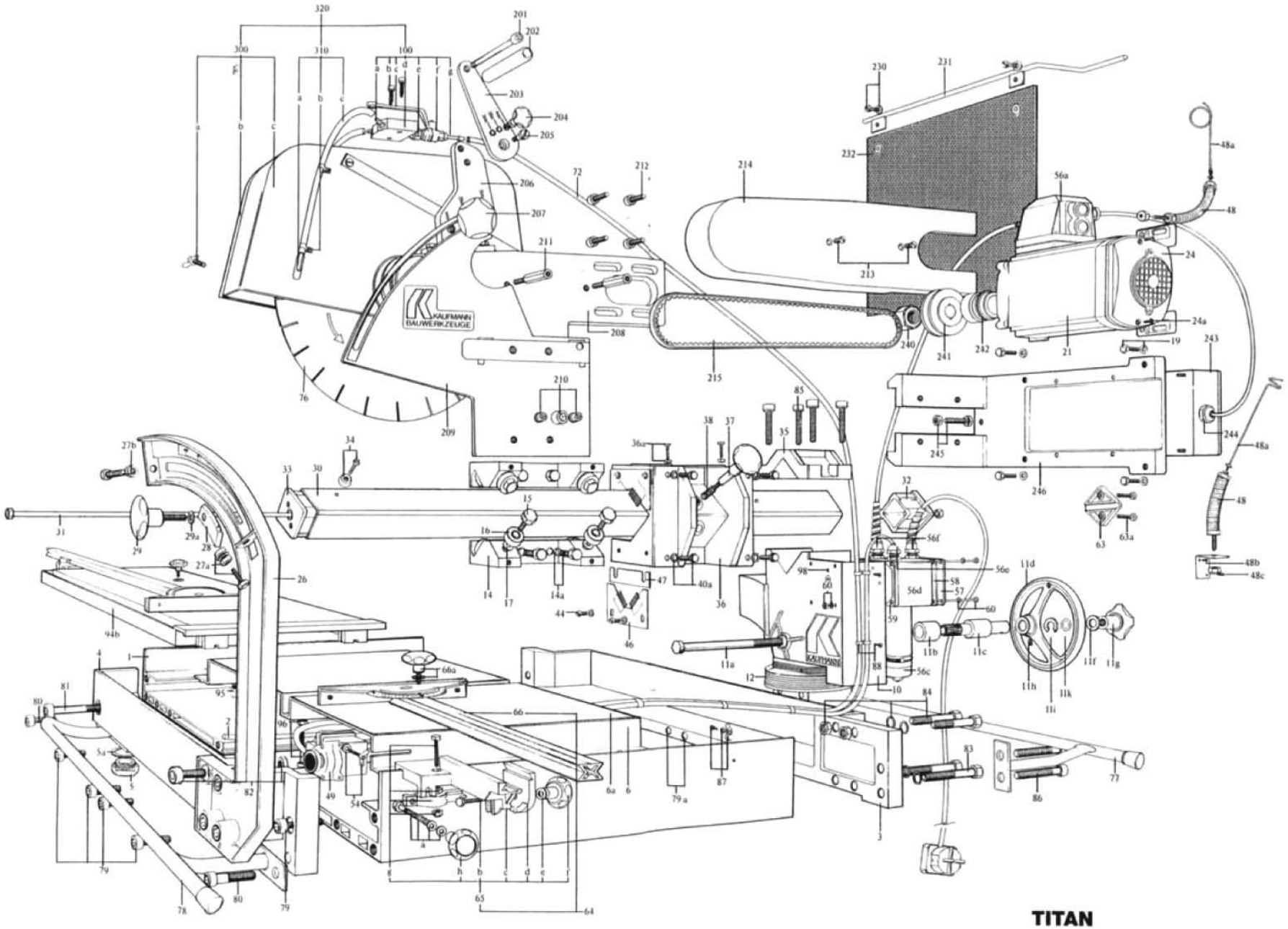


Cutting Unit





INTERCRAFT / CLASSIC



TITAN

ANNEX: CLASSIC STONE SAW

The new masonry saw Classic has the same construction plan, set up and operating as the model Intercraft. The difference of the Classic is the adjustable cutting height.

A detailed description of the model Intercraft is in the instruction manual Titan / Intercraft. The specific technical details of the model Classic are indicated below.

Page 3

EFFECTIVE CUTTING HEIGHT DURING MITRE CUT SETTING

Blade Ø	Cutting height	Effective cutting height with 45°
300 mm	80 mm	60 mm

Page 4

CUTTING HEIGHT ADJUSTMENT

A cutting height from 0 – 80 mm can be obtained in one movement or operation. The blade can easily be adjusted up and down when cutting or it can also be set in any position. When transporting the Classic be sure to lock the cutting head with the adjustment knob (part no. 400).

Caution! **The part no. 401 (PVC spacer washer) could possibly wear out after lengthy use, resulting in uneven cuts. Original thickness: 2mm**

Page 9 - 10

CLASSIC STONE SAW: TECHNICAL DATA

Type	Cutting Length in cm	Measure-ments in cm	Weight in kg	Max. Blade Ø in mm	Pump G-300	Pump G-500	Power in kW	Volts AC	Electricity in A	Wiring-diagram no.	Current Protection in A	Max. RPM
93.220.02	50	114x57x57	72,30	300	x		1,9	230	12,3	2	16 circuit safety	2.860
93.240.02	50	114x57x57	73,30	300	x		2,2	400	5,6	1	10	2.860
93.220.03	65	134x57x57	76,50	300	x		1,9	230	12,3	2	16 circuit safety	2.860
93.240.03	65	134x57x57	77,10	300	x		2,2	400	5,6	1	10	2.860
93.220.04	85	159x57x57	77,40	300	x		1,9	230	12,3	2	16 circuit safety	2.860
93.240.04	85	159x57x57	78,40	300	x		2,2	400	5,6	1	10	2.860
93.220.05	100	174x57x57	81,60	300	x		1,9	230	12,3	2	16 circuit safety	2.860
93.240.05	100	174x57x57	81,90	300	x		2,2	400	5,6	1	10	2.860
93.220.06	125	192x57x57	92,40	300	x		1,9	230	12,3	2	16 circuit safety	2.860
93.240.06	125	192x57x57	93,10	300	x		2,2	400	5,6	1	10	2.860
93.220.08	150	212x57x57	96,50	300		x	1,9	230	12,3	2	16 circuit safety	2.860
93.240.08	150	212x57x57	97,10	300		x	2,2	400	5,6	1	10	2.860

Page 11

CLASSIC - CSA STONE SAW: TECHNICAL DATA

Type	Cutting Length in cm	Measure-ments in cm	Weight in kg	Max. Blade Ø in mm	Pump G-300	Pump G-500	Power in kW	Volts AC	Electricity in A	Wiring-diagram no.	Current Protection in A	Max. RPM
93.220.02	50	114x57x57	72,30	300	x		2,6	230	16,0	4	16 circuit safety	3.350
93.220.03	65	134x57x57	76,50	300	x		2,6	230	16,0	4	16 circuit safety	3.350
93.220.04	85	149x57x57	77,40	300	x		2,6	230	16,0	4	16 circuit safety	3.350
93.220.05	100	174x57x57	81,60	300	x		2,6	230	16,0	4	16 circuit safety	3.350
93.220.06	125	192x57x57	92,40	300	x		2,6	230	16,0	4	16 circuit safety	3.350
93.220.08	150	212x57x57	96,50	300		x	2,6	230	16,0	4	16 circuit safety	3.350

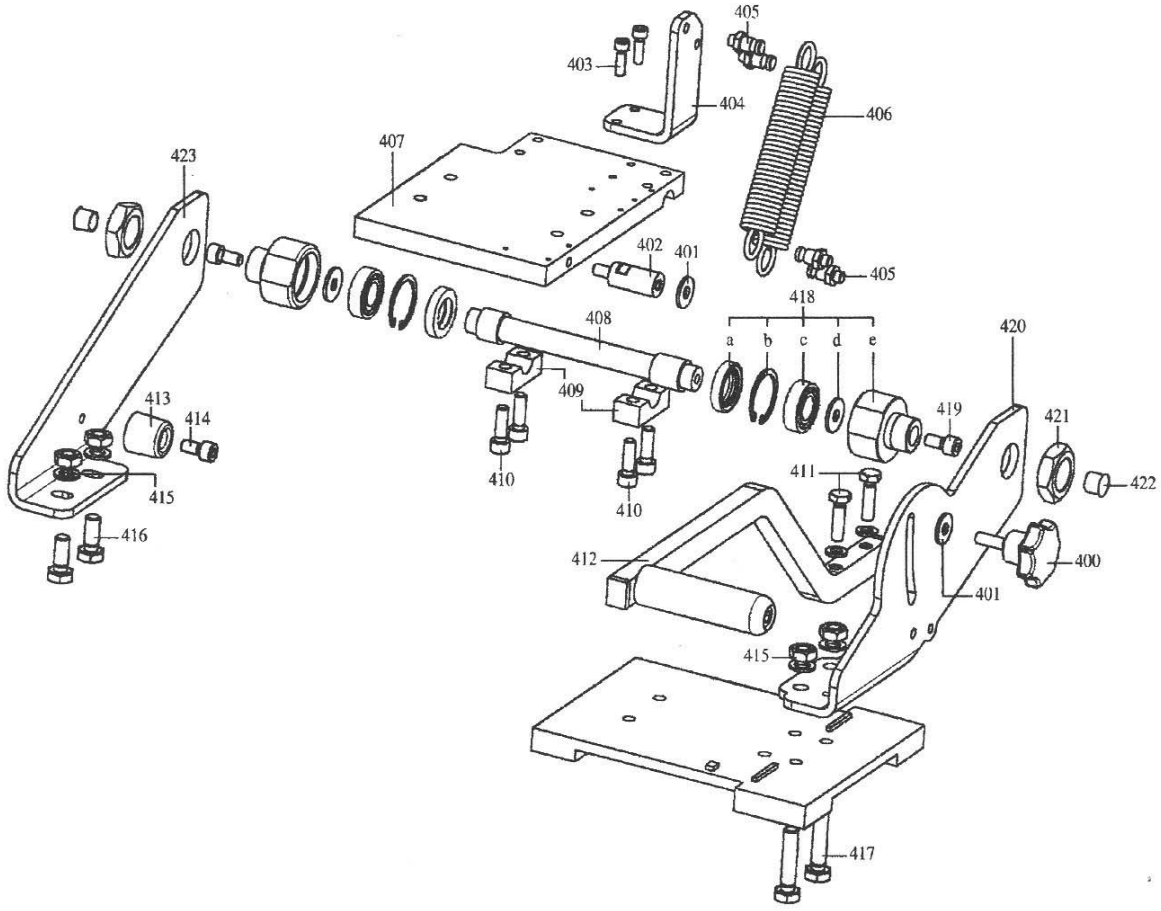
Page 12 - 14

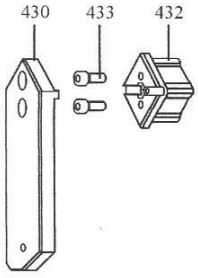
PARTS LIST FOR CLASSIC STONE SAW

Part no.	Symbol	Number of pieces	Description
85	s→	4	Sockethead Screw M10 x 190 Din 912
400	d	1	Adjustment Knob M8 x 25 Din 6336
401	ds∞	2	PVC Spacer Washer 8,4/20/2
402	d∞	1	Pin
403	ds	2	Sockethead Screw M6 x 20 Din 912
404	d∞	1	Spring Support Plate
405	ds∞	4	Spring Support Bolt M8
406	ds∞	2	Spring
407	d∞	1	Bearing Block Plate
408	d∞	1	Axle
409	d∞	2	Clamping Part
410	ds	4	Sockethead Screw M8 x 25 Din 912
411	ds	2	Hexhead Bolt with Snap Ring M8 x 30 Din 933
412	d❑	1	Lever with wooden Handle complete
413	d	1	Rubber-stopper
414	d	1	Sockethead Screw M8 x 16 Din 912
415	ds	4	Nut with Snap Ring M10 Din 934
416	ds	2	Hexhead Bolt M10 x 25 Din 933
417	ds	2	Hexhead Bolt M10 x 25 Din 933
418	d❑	2	Bearing Flange
418a	d	1	O-Ring Seal 22 x 35 x 7 AS
418b	d	1	Spring Ring 35 Din 472
418c	d	1	Ball Bearing 6003 2RS NTR
418d	d	1	Flat Washer M8 Din 9021
418e	d∞	1	Bearing Flange Housing
419	ds	2	Sockethead Screw M8 x 16 Din 912
420	d∞	1	Seesaw Plate left
421	ds	2	Nut M24 x 1.5 Din 439
422	ds	2	End Cap SRL 16 x 0,8-2
423	d∞	1	Seesaw Plate right
430	∞	1	Support Arm Classic
432	∞	1	End Cap Classic
433	s	2	Sockethead Screw M8 x 20 Din 912

Page 15 - 17

DETAIL DRAWING





All other parts are identical with the model Intercraft and the detail drawing is shown in the instruction manual Titan / Intercraft on page 16 – 17.