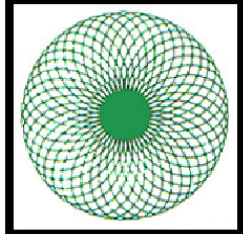


WINGET



Croker

CUMFLOW ROTATING PAN MIXERS

FAST MOVING PARTS REFERENCE LISTING

WIRE ROPES

MODEL IDENTIFICATION & PRODUCTION DATES

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CROKER CUMFLOW ROTATING PAN MIXERS

This manual must be read in conjunction with the Parts and Operators Manual issued with the original equipment. The Parts & Operators Manual contains additional important detailed advice regarding the correct procedures to be followed during Pre-Installation, Installation, Operation and ongoing Care and Maintenance of the equipment

The contents of this handbook although correct at the time of publication, may be subject to alteration by the manufacturers without notice and Winget Limited can accept no responsibility for any errors or omissions contained within the following pages. Nor can we accept any liability whatsoever arising from the use of this manual howsoever caused.

Winget Limited can accept no responsibility for incorrectly supplied spare parts unless the part number and a full description of the items required is given when the order is placed.

MIXER	Star Blade Finger (L)		Star Blade Finger (S)		Star Blade	Whirler Blades
	Qty		Qty			
1A/4	3	CR74164730			CR210007 & CR21100262	SQUARE CR219006 Cast
No3TYPE3	3	CR520118			CR210007 & CR21100169	CR219006AH Angle
No3A/2	3	CR49452054			CR21100015	CR219006H Tungsten
RP200XD	3	CR02100233			CR21100015	CR219006SS Stainless
RP400	3	CR520118			CR210007 & CR21100169	CR219006SSA Angle Stain
RP400XD	3	CR26100162			CR21100015	ROUND
RP550	2	CR260487	2	CR260430	CR21100015	CR219007 Cast
RP550XD	2	CR26100326	2	CR26100005	CR21100015	CR219007SS Stainless
RP850	2	CR260431	2	CR260430	CR21100015	
RP850XD	2	CR26100004	2	CR26100005	CR219008P	
RP1250	3	CR260044	3	CR260034	CR21100015	
RP1250XD	3	CR260044	3	CR260034	CR21100015	
RP1500	3	CR260044	3	CR260034	CR21100015	
RP1500XD	3	CR260044	3	CR260034	CR21100015	
RP3000	3	CR261000	3	CR261002	CR21100015	
RP3000XD	3	CR261000	3	CR261002	CR21100015	
RP50	2	CR260388			CR219009C	
RP100	2	CR260390			CR219009C	
FP1000	4	CR269019	4	CR269020	CR21100015 Plus 2x CR210007 & CR21100169	
FP1500	4	CR269019	4	CR269020	CR210007 & CR21100169	
FP2000	4	CR269043	4	CR269042	CR21100015 Plus 2x CR210007 & CR21100169	

MIXER	Mixing Star		Star Bush		Finger Spring		Discharge Chute	
	Qty		Qty		Qty			
1A/4	1	CR210103	6	CR660008	3	CR330062		CR54100255
No3TYPE3	1	CR210122	6	CR660008	3	CR330062		CR54100203
No3A/2	1	CR8126052	6	CR660009	3	CR330064		CR48752A027
RP200	1	CR26100253	6	CR189008	3	CR330062		CR54100255
RP400	1	CR210236	6	CR660008	3	CR330062		CR54100203
RP400XD	1	CR26100161	6	CR189008	3	CR330062		CR54100203
RP550	1	CR260488	4	CR189013	2	CR330070		CR54100349A-TOP
RP550XD	1	CR26100325	4	CR189006	2	CR330070		CR54100349B-BTM
RP850	1	CR260432	4	CR180013	2	CR330070		CR54100047A-TOP
RP850XD	1	CR26100003	4	CR189006	2	CR330070		CR54100047B-BTM
RP1250	1	CR260033	6	CR180013	3	CR330070		CR540499A-TOP
RP1250XD	1	CR269291	6	CR180013	3	CR330070		CR540499B-BTM
RP1500	1	CR260353	6	CR180013	3	CR330070		CR540499A-TOP
RP1500XD	1	CR269291	6	CR180013	3	CR330070		CR540499B-BTM
RP3000	1	CR260997	6	CR180066	3	CR330070		CR541310 TOP
RP3000XD	1	CR269196	6	CR180066	3	CR330070		CR541311 BTM
RP50	1	CR210140			2	CR330061		
RP100	1	CR210140			2	CR330061		
FP1000	1ea	CR269022 & CR269023	8	CR180013				CR269025
FP1500	1ea	CR269022 & CR269023	8	CR180013				CR269025
FP2000	1ea	CR269038 & CR269039	8	CR180013				CR269041

MIXER	Discharge Blade		D.B. Finger		Finger Bracket	
	Qty		Qty		Qty	
1A/4	1	CR54100232	2	CR520111	2	CR54100232
No3TYPE3	1	CR54100172	2	CR520111	2	CR210113
No3A/2	1	CR549187	2	CR21962120	2	CR210113
RP200	1	CR54100232	2	CR52100171	2	CR26100244
RP400	1	CR54100172	2	CR520111	2	CR210113
RP400XD	1	CR54100172	2	CR52100171	2	CR26100170
RP550	1	CR54100323	2	CR520005	2	CR210233
RP550XD	1	CR54100323	2	CR52100026	2	CR21100021
RP850	1	CR540590	2	CR520005	2	CR210233
RP850XD	1	CR54100020	2	CR52100026	2	CR21100021
RP1250	1	CR540017	2	CR520005	2	CR210233
RP1250XD	1	CR540017	2	CR520005	2	CR210233
RP1500	1	CR540017	2	CR520005	2	CR210233
RP1500XD	1	CR540017	2	CR520005	2	CR210233
RP3000	1	CR541304	2	CR531288	2	CR260988
RP3000XD	1	CR549133	2	CR539145	2	CR269177
RP50						
RP100						
FP1000						
FP1500						
FP2000						

MIXER	Fixed Blade		F.B.Finger		Spring Box	
	Qty		Qty		Qty	
1A/4	1	CR530490	1	CR53100199	1	CR210102
No3TYPE3	1	CR530490	1	CR53100199	1	CR210102
No3A/2	1	CR530490	1	CR53100199	1	CR210102
RP200	1	CR53100274	1	CR53100254	1	CR210102
RP400	1	CR530490	1	CR53100199	1	CR210102
RP400XD	1	CR530490	1	CR53100199	1	CR210102
RP550	1	CR53100039	1	CR260024	1	CR260025
RP550XD	1	CR53100039	1	CR26100035	1	CR26100038
RP850	1	CR53100039	1	CR260024	1	CR260025
RP850XD	1	CR53100039	1	CR26100035	1	CR26100038
RP1250	1	CR53100039	1	CR260024	1	CR260025
RP1250XD	1	CR53100039	1	CR260024	1	CR260025
RP1500	1	CR53100039	1	CR260024	1	CR260025
RP1500XD	1	CR53100039	1	CR260024	1	CR260025
RP3000	2	CR541305	1	CR261003	1	CR261004
RP3000XD	2	CR541305	1	CR531306	1	CR531507
RP50	1	CR531745	1	CR260416	1	CR210142
RP100	1	CR531745	1	CR260415	1	CR210142
FP1000	1	CR539037	1	CR269017		
FP1500	2	CR539040	1	CR269017		
FP2000	1	CR539039	1	CR269037		

MIXER	Base Wear Plate		Rim Wear Plate		Door Wear Plate	
	Qty		Qty		Qty	
1A/4	4	CR54100228	3	CR54100227		
No3TYPE3	4	CR54100154	3	CR54100153		
No3A/2	4	CR6X361004	3	CR4X431006	1	CR6X362005
RP200	4	CR54100228	3	CR54100227		
RP400	4	CR54100154	3	CR54100153		
RP400XD	4	CR54100154	3	CR54100153		
RP550	4	CR53100319	3	CR54100320	1	CR53100338
RP550XD	4	CR53100319	3	CR54100320	1	CR53100338
RP850	4	CR53100011	3	CR54100012	1	CR53100027
RP850XD	4	CR53100011	3	CR54100012	1	CR53100027
RP1250	4	CR530047	4	CR530048	1	CR530028
RP1250XD	4	CR530047	4	CR530048	1	CR530028
RP1500	4	CR530047	4	CR530048	1	CR530028
RP1500XD	4	CR530047	4	CR530048	1	CR530028
RP3000	4	CR531305	4	CR531307	1	CR531300
RP3000XD	4	CR531305	8	CR539147	1	CR531300
RP50	1	CR540382				
RP100	1	CR540381				
FP1000	8	CR539024	4	CR539027	1	CR539026
FP1500	6	CR539053	4	CR530048	2	CR539026
FP2000	8	CR539031	4	CR539038	1	CR539026

MIXER	Pan Door		Door Seat		Door Pin	
	Qty		Qty		Qty	
1A/4	1	CR210100A	1	CR210100B	1	CR52100182
No3TYPE3	1	CR21100179	1	CR21100180	1	CR52100182
No3A/2	1	CR47752A015	1	CR47752014	1	CR47852017
RP200	1	CR210100A	1	CR210100B	1	CR52100182
RP400	1	CR21100179	1	CR21100180	1	CR52100182
RP400XD	1	CR21100179	1	CR21100180	1	CR52100182
RP550	1	CR53100330	1	CR26100333	1	CR26100016
RP550XD	1	CR53100330	1	CR26100333	1	CR26100016
RP850	1	CR26100018	1	CR53100077	1	CR26100016
RP850XD	1	CR26100018	1	CR53100077	1	CR26100016
RP1250	1	CR530027	1	CR530046	1	CR260017
RP1250XD	1	CR530027	1	CR530046	1	CR260017
RP1500	1	CR530027	1	CR530046	1	CR260017
RP1500XD	1	CR530027	1	CR530046	1	CR260017
RP3000	1	CR531299	1	CR531308	1	CR261010
RP3000XD	1	CR531299	1	CR531308	1	CR261010
RP50						
RP100						
FP1000	1	CR269004				
FP1500	2	CR269004				
FP2000	1	CR269004				

MIXER	Door Arm		Door Bearing House		Door Pin Bearing	
	Qty		Qty		Qty	
1A/4	1	CR210101			1ea	88S16C & 88S17C
No3TYPE3	1	CR210127			1ea	CR150423 & CR150347
No3A/2	1	CR47852A016			1ea	CR150504 & CR150503
RP200	1	CR21100241			1ea	CR150423 & CR150347
RP400	1	CR21100181			1ea	CR150423 & CR150347
RP400XD	1	CR21100181			1ea	CR150423 & CR150347
RP550			1	CR26100017	2	88S16D
RP550XD			1	CR26100017	2	88S16D
RP850			1	CR26100017	2	88S16D
RP850XD			1	CR26100017	2	88S16D
RP1250			1	CR26100018	1ea	88S08D & 88S07D
RP1250XD			1	CR26100018	1ea	88S08D & 88S07D
RP1500			1	CR26100018	1ea	88S08D & 88S07D
RP1500XD			1	CR26100018	1ea	88S08D & 88S07D
RP3000			1	CR261011	1ea	CR150528 & CR150527
RP3000XD			1	CR261011	1ea	CR150528 & CR150527
RP50						
RP100						
FP1000						
FP1500						
FP2000						

MIXER	Pan Roller		Roller Spindle		Roller Bearings	
	Qty		Qty		Qty	
1A/4	4	CR21100243	4	CR520104	4ea	88S16C & 88S17C
No3TYPE3	4	CR21100217	4	CR520104	4ea	88S16C & 88S17C
No3A/2	4	CR82361007	2	CR49752010 & 2 CR49752012	8ea	CR150151
RP200	3	CR21100243	3	CR52100216	3ea	88S16C & 88S17C
RP400	4	CR21100217	4	CR520104	4ea	88S16C & 88S17C
RP400XD	4	CR21100217	4	CR52100216	4ea	88S16C & 88S17C
RP550	3	CR21100334	3	CR26100072	3ea	CR150126 & CR150062
RP550XD	3	CR21100334	3	CR26100072	3ea	CR150126 & CR150062
RP850	3	CR21100071	3	CR26100072	3ea	CR150126 & CR150062
RP850XD	3	CR21100071	3	CR26100072	3ea	CR150126 & CR150062
RP1250	3	CR210002 & 4xCR210003	3	CR260026 & 4xCR520383	3ea	CR150062 & CR150131
RP1250XD	3	CR210002 & 4xCR210003	3	CR260026 & 4xCR520383	3ea	CR150062 & CR150131
RP1500	3	CR210002 & 4xCR210003	3	CR260026 & 4xCR520383	3ea	CR150062 & CR150131
RP1500XD	3	CR210002 & 4xCR210003	3	CR260026 & 4xCR520383	3ea	CR150062 & CR150131
RP3000	3	CR210224 & 4xCR210003	3	CR260994 & 4xCR260996	3ea	CR150533 & CR150534
RP3000XD	3	CR210224 & 4xCR210003	3	CR260994 & 4xCR260996	3ea	CR150533 & CR150534
RP50						
RP100						
FP1000						
FP1500						
FP2000						

MIXER	Pan Rack		Pan Drive Pinion		Pillow Block Bearing	
	Qty		Qty		Qty	
1A/4	1	CR2100225	1	CR460051		
No3TYPE3	1	CR21100151	1	CR460010		
No3A/2	1	CR28249002	1	CR460009	2	CR150888
RP200	1	CR2100225	1	CR46100229	2	CR159013
RP400	1	CR21100151	1	CR460099	2	CR151101
RP400XD	1	CR21100151	1	CR46100155	2	CR159012
RP550	1	CR21100364	1	CR460010	2	CR150925
RP550XD	1	CR21100364	1	CR46100155	2	CR159012
RP850	1	CR21100009	1	CR460009	2	CR150933
RP850XD	1	CR21100009	1	CR46100034	2	CR159012
RP1250	1	CR210009	1	CR460004	1	CR150936
RP1250XD	1	CR210009	1	CR460004	1	CR150936
RP1500	1	CR210009	1	CR460004	1	CR150936
RP1500XD	1	CR210009	1	CR460004	1	CR150936
RP3000	1	CR210225	1	CR460089	1	CR151100
RP3000XD	1	CR210225	1	CR460089	1	CR151100
RP50	1	CR210136	1	CR460022	1	CR150925
RP100	1	CR210136	1	CR460022	1	CR150925
FP1000						
FP1500						
FP2000						

CROKER LOADER WIRE ROPES

477502000	WIRE ROPE	22.86m x 6mm	75ft
CR350002	WIRE ROPE	24.4m x 6mm	80ft
CR350017	WIRE ROPE	8.2m x 10mm	27ft
CR350018	WIRE ROPE	9.1m x 10mm	30ft
CR350019	WIRE ROPE	10.7m x 10mm	35ft
CR350020	WIRE ROPE	12.2m x 10mm	40ft
CR350021	WIRE ROPE	13.8m x 10mm	45ft
CR350022	WIRE ROPE	15.2m x 10mm	50ft
CR350023	WIRE ROPE	16.8m x 10mm	55ft
CR350024	WIRE ROPE	18.2m x 10mm	60ft
CR350025	WIRE ROPE	19.8m x 10mm	65ft
CR350026	WIRE ROPE	21.3m x 10mm	70ft
CR350027	WIRE ROPE	22.8m x 10mm	75ft
CR350028	WIRE ROPE	24.4m x 10mm	80ft
CR350029	WIRE ROPE	25.9m x 10mm	85ft
CR350030	WIRE ROPE	27.4m x 10mm	90ft
CR350031	WIRE ROPE	30.5m x 10mm	100ft
CR350032	WIRE ROPE	15.2m x 14mm	50ft
CR350033	WIRE ROPE	16.8m x 14mm	55ft
CR350034	WIRE ROPE	18.2m x 14mm	60ft
CR350035	WIRE ROPE	19.8m x 14mm	65ft
CR350036	WIRE ROPE	21.3m x 14mm	70ft
CR350037	WIRE ROPE	22.8m x 14mm	75ft
CR350038	WIRE ROPE	24.4m x 14mm	80ft
CR350039	WIRE ROPE	25.9m x 14mm	85ft
CR350040	WIRE ROPE	15.2m x 16mm	50ft
CR350041	WIRE ROPE	21.3m x 16mm	70ft
CR350042	WIRE ROPE	24.4m x 16mm	80ft
CR350043	WIRE ROPE	25.9m x 16mm	85ft
CR350044	WIRE ROPE	27.4m x 16mm	90ft
CR350045	WIRE ROPE	28.9m x 16mm	95ft

WIRE ROPES

SAFETY NOTES

ALWAYS

Store and handle the wire rope correctly, wear protective gloves and eye protection.

Check the rope test certificate is still in date especially if the rope has been in storage also check that the certificate is applicable to the rope.

Remove the rope from any reel or coil correctly and without kinking.

Only use correct end terminations and rope anchors.

Ensure that the rope is correctly located and seated on the rope drum.

Ensure that the rope is correct for the application and only use good quality ropes from reputable suppliers.

Inspect the wire rope for damage, wear, corrosion or abuse at the start of each shift.

Keep the wire rope clean and maintained in accordance with the manufacturers instructions.

NEVER

Try to shorten any wire rope by knotting.

Bend a wire rope over small radii.

Subject wire ropes to shock loadings.

Allow wire ropes to run over sharp edges or abrasive surfaces etc.

Subject wire ropes to extremes of temperature.

Use wire ropes with obvious signs of mechanical, corrosive or heat damage.

Use wire ropes that are worn, frayed, split or corroded.

STORAGE

Store wire ropes in a clean well ventilated, dry location preferably undercover and protected from extremes of temperatures.

If site conditions are such that undercover storage is not possible cover the rope with a waterproof cover and support clear of the ground.

Rotate stored wire ropes, reels or coils regularly to prevent migration of the rope lubricant, particular in warm environments.

Be aware that subjecting wire ropes to extremes of temperature as can affect the in service performance, high storage temperatures can reduce the effective strength of the rope.

SAFETY

Running wire ropes are hazardous and should be guarded or personnel should be prevented access to them whilst in motion.

Wire ropes develop broken strands during their working life which present a hazard to maintenance personnel, always wear suitable hand and eye protection when handling ropes.

Take care when unfastening a coiled rope as the inherent springiness when released may cause it to strike attendant personnel or other equipment causing damage or injury.

Take care when removing worn, damaged or failed ropes from equipment as they may be tightly coiled, grossly distorted and still retain their springiness.

IN SERVICE INSPECTION AND MAINTENANCE

Wire ropes used for lifting operations should be regularly inspected by a competent person and inspection records kept upto date.

Inspections should not only concentrate on the rope but also extend to the condition of sheaves, drums, guides etc.

Decisions on whether a wire rope is suitable for continued service should only be made by a competent person.

IF IN DOUBT REPLACE THE ROPE.



Certificate No. 13313



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E mail: parts@winget.co.uk

Croker, Liner, Cumflow Mixers, Various means of identification

Model '0' Vertical (pan size 2' 5 1/2" & 2' 11")

Mixing star winds up out of the mixing pan by means of a wheel on the side, size feet.

Model '0' Horizontal (pan size 2' 5 1/2" & 2' 11")

Is the same as the RP50/100 depending on the size of the mixing pan.

1A or RP200 (pan size 4' 0")

This machine had three modifications. Early 1A had a clutch to raise and lower the hopper. Star blade fingers were made out of 1 1/4" square bar. 1A Mk3 had star fingers made out of 1 1/2" round bar but used a one vee belt drive. 1A Mk4 or RP200. This machine had star fingers made out of 1 1/2" round bar but uses a star blade with separate wearing piece. Vee belt drive Two discharge blade finger brackets were used instead of the four used on the early machines.

No 3 (pan size 5' 0")

Same identification as 1A, re fingers. Pan rim plates were 12" deep.

No 3 Type 2 (pan size 5' 0")

Same identification as 1A Mk3. Pan rim plates were increased to 15" deep.

No 3 Type 3 and early RP400 (pan size 5' 0")

Same identification as 1A Mk4. Pan rim plates 15" deep.

RP400 (pan size 5' 0")

From approximately 1981 used a different gearbox and was chain and vee belt driven.

3A Simple / 3A Mk2 (pan size 6' 0")

Difference is mainly on the loading hopper and axles. When wanting spares on these items get the length of the hopper axle.

12P & RP550 (pan size 5' 0")

The difference between the two is generally on the fixed blade finger. 12P has bent fingers, RP550 is straight. Early 12P had different pan door, but not many are still in use.

18P & RP850 (pan size 6' 0")

Quite a few differences on these machines. Fixed blade fingers bent on 18P, straight on the RP850. At least three different types of door are used so it is essential to first identify if the door uses three anti-vibration mountings or brass bush type. Bush type is 18P. Anti-vibration mountings are the RP850.

27P, RP1250 & RP1500 (pan size 7' 3")

All these mixers are basically the same. The 27P and RP1250 use only one door cylinder. The RP1500 uses two and the pan is deeper.

RP3000 (pan size 9' 4")

Changes not known, except on machines at E.C.C in St Austell. Discharge door air cylinders were changed from Martonair to Compare Maxam.

No 6 Cumflow (pan size 9' 4")

This machine used two mixing stars. Was last made in 1968

PRODUCTION DATES

<-> 1960	70/80	80>
No 0 Vertical	RP50/100	RP50/100 XD
No 0 Horizontal	RP50/100	RP50/100 XD
		RP100HD
1A	1A/Mk 4	
	RP200	RP200 XD
No 3 Type 1		
No 3 Type 2	No 3 Type 3	RP400 XD
	RP400	
No3A	RP550 (12P)	RP550 XD
No3A mk2		
	RP850 (18P)	RP850XD
No 5	RP1250 (27P)	RP1250 XD
	RP1500 (27P)	RP1500 XD
No 6	RP3000	RP3000 XD

Note

From 2001 the RP100XD was superseded by the RP100XD MK2.
 From 2003 the RP50XD was superseded by the RP50XD MK2.
 From 2003 the RP100HD was superseded by the RP150XD MK2.