



REVERSE ENGINEERING & ALTERNATE MATERIAL MANUFACTURER (AMM)

BOTTLING & BEVERAGE FILLING SOLUTIONS

For IRP's full product range, detailed information and engineering manual, download IRP's full catalogue @ www.irp.co.za

PROBLEM SOLVERS AND SOLUTIONS PROVIDERS.



Are you struggling to source the correct conveyor solutions?



Not enough expertise to guide and advise you on the correct solutions?



Are current suppliers and OEM's letting you down leading to unnecessary down-time and inefficient production?



Are you over spending on maintenance budgets?

HOW WE ADD VALUE . . .



Being South Africa's largest local manufacturer in our field, we have the advantage of providing competitive solutions over OEM's, providing you maximum return on investment.



With over 30 years of providing solutions to the food, beverage and packaging industries, IRP has the expertise to guide and advise on the correct solutions.



IRP provides extensive audits to assess current conveyor and production set-ups in order to provide the correct conveyor solutions.



With your production at the center of our focus, we at IRP pride ourselves on customer satisfaction and delivery.

ABOUT IRP COMPANY OVERVIEW

IRP Engineering PlasticsCC was founded in 1987 and has been the industry leader in Engineering Plastics ever since. An opportunity was recognized for the real need in local manufacturing of plastic conveyor components used by the food, beverage and packaging industries, which had previously been sourced from Europe and America.

IRP's Manufacturing capabilities has continually developed over the years and now consists of a full CNC manufacturing Division, Injection Moulding Division, Belt, Chain and Component Assembly Division and a Stock Holding Division with more than 2000 conveyor components.

IRP's Injection moulding facility consists of injection moulding machines ranging from 50 ton to 360 ton capacities and is complete with a fully operational tool room to handle injection moulding projects from start to the finished product.

IRP's CNC Manufacturing Division is dedicated to producing custom made parts and comprises, CNC Lathes, CNC Machining Center's and CNC Vacuum

Bed Routers complete with 4th Axis capabilities. All machines are linked to sophisticated Autocad and CNC programming systems for superior accuracy and speedy delivery.

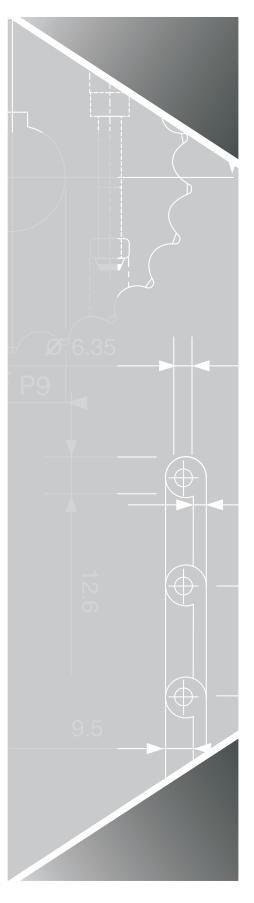
IRP's Technical Design Centre is equipped with the Cimcore II portable measuring arm which is the latest in portable measuring technology. Cimcore II enables IRP to accurately reverse engineer any complex parts with ease which can be done on-site, reducing down-time or a tour Technical Design Centre.

IRP's Modular Belting and Chain Assembly Division has over 10 dedicated assembly lines locally producing standard modular belts and nonstandard made to width modular belts and chains. IRP's Modular Belting and Chain Assembly Division boasts a modular belting range that consists of a 12mm pitch, 15mm pitch, 25,4mm pitch, 31.75mm pitch and 50.8mm pitch belts in both straight running and side flexing applications. IRP locally produce and supply the full range of plastic, stainless steel slatband chains and crate conveyor chains. IRP's range of modular belting and chains has been used and supplied extensively to all food, beverage and packaging industries over the last 25 years.

IRP supply a wide range of nylon stock shapes and is capable of supplying sheet sizes 2600mm x 1300mm up to 100mm thick with Nylon rods and tubes that can be produced up to 1000mm in diameter. IRP's Nylon (Polyamide) range consists of Molybdenum, Oil and Wax filled grades that increases wear resistance and reduces friction. This Nylon is commonly used in parts such as change parts, bottle feed equipment for bottling and canning plants, corner tracks, wearstrips and bearing applications.

MISSION STATEMENT

To continually strive for customer satisfaction brought about by being a World Class Supplier of conveyor components for use in the food, beverage and packaging industries, by offering technical assistance based on experience and know-how and by developing innovative solutions that both enhance the customers' business as well as our own.



CORE SERVICES WE OFFER

IRP Engineering Plastics offers a wide range of services that set us apart from our competitors.

• Urgent/breakdown manufacturing service

- Cost-effective and competitive solutions that reduce maintenance budgets
- Local stockholding for urgent
- supply, preventing downtime Locally manufactured solutions for on-demand supply
- Unrivalled service, support and advice to keep production running

PRODUCT

IRP Engineering Plastics produce and stock a broad selection of conveyor components that serviceand supply the food, beverage and packing industriy.

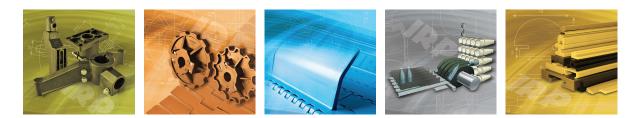
- Stainless Steel Table Top chains
- Plastic Table Top Chains
- Sprockets and Idlers
- Conveyor Components
- Guide Rail Systems
- Bends and Straight Tracks
- Modular Belting • Bottle, Can & Jar Product Filling Equipment
- Specially Machined Components • Wear Strips & Chain Guides
- Conveyor Building & Automation

INDUSTRIES WE SERVE

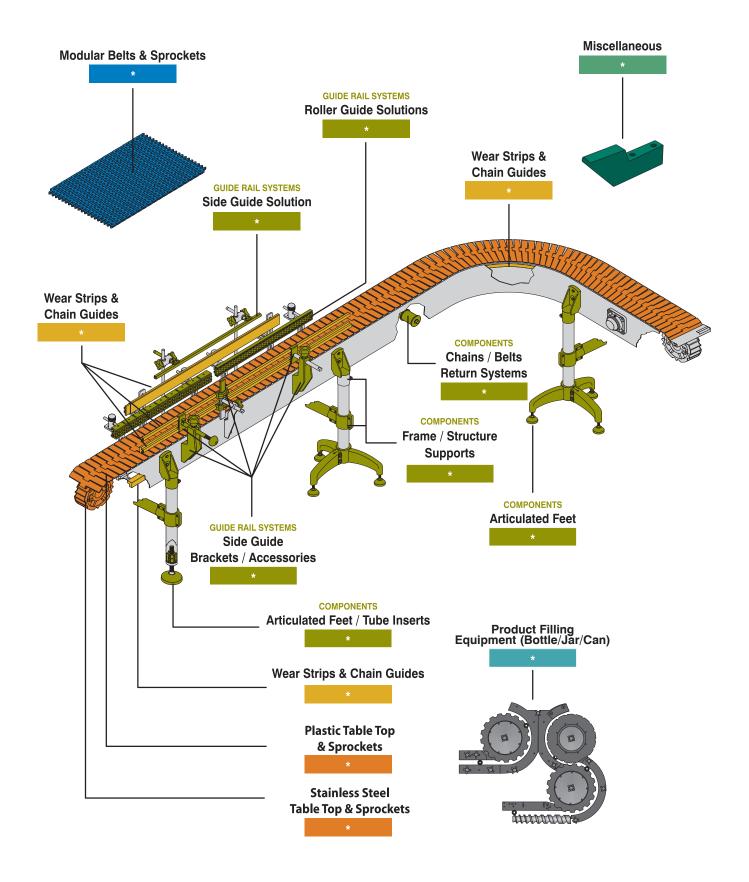
....

IRP Engineering Plastics produce and stock a broad selection of conveyor components that service and supply a wide variety of industries.

- Bottling & Beverage Filling
- Meat, Fish & Poultry Processing
- Fruit & Vegetable Processing
- Materials Handling & Packaging • Glass Handling
- Bakery
- Confectionery
- Dairy
- Pharmaceutical
- Aerosol
- Corrugated Packaging

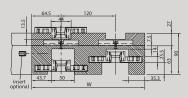


OVERVIEW OF THE SOLUTIONS WE PROVIDE



MAGNETIC FLEX: CURVES & STRAIGHT TRACKS

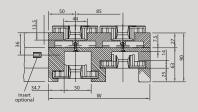
LFC/039, LFC/040, LFC/ 041

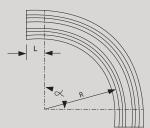


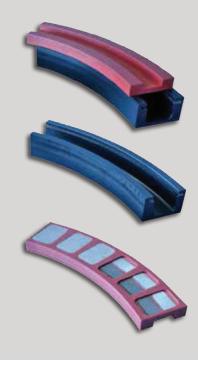
Code	Number of Tracks	1 (mm)	1 (mm)	1 (mm)	1 (mm)	1 (mm)	1 (mm)
	Degree of Bend	Width	Width	Width	Width	Width	Width
	MAGNETIC FLEX CUI	RVES FOR	3.25″ 254	40 SERIES			
IRP. 10-3-3-15-K325-30	30°	100	185	270	355	440	525
IRP. 10-3-3-15-K325-45	45°	100	185	270	355	440	525
IRP. 10-3-3-15-K325-90	90°	100	185	270	355	440	525
MAGNETIC FLEX CURVES FOR 4.5" 2540 SERIES							
IRP. 10-3-3-15-K450-30	30°	129	249	369	489	-	-
IRP. 10-3-3-15-K450-45	45°	129	249	369	489	-	-
IRP. 10.3.3.15.K450.90	90°	129	249	369	489	-	-

Code	Chain Type	Radius R	Pitch P	Basic Width B	Infeed Length L	Total Height H
	FOR CHAINS WITH	- mm - 3 25"/3 30	mm " PI ATF WI	mm DTH	mm	mm
		1 3.23 73.30			0	82/90
		500		100	100	90
			85		100	90
				111	100	100
		500	89	100	125	82
				100	100	82
IRP. 10.0.3.15.K325.90	Steel/Plastic	500	90	110	0	82
		590	180	100	100	82
		680	-	100	100	82
		750	85	111	100	90
		860	-	100	125	82
		1000	-	100	0	82
		1000	85	111	100	90
IRP. 10-0-3-15-K325-90	Steel	500	85	111	100	100
	FOR CHAINS V	VITH 4.5" PI	LATE WIDTH	ł		
		500	120	129	125	90
IRP. 10.3.3.5.K450.90	Steel/Plastic	610	120	129	125	90
	FOR CHAINS V	VITH 7.5" PI	LATE WIDTH	ł		
		610	196	214	125	90
	Steel	860	-	214	0	82
IRP. 10.0.3.15.K325.90		1000	-	214	0	82
		610	195	200	100	95
	Steel/Plastic	860	-	214	0	87
	FOR CHAINS W	/ITH 1 <u>0.5″ P</u>	LATE <u>WIDT</u>	н		
IRP. 10-0-3-15-K325-90	Plastic	860	-	290	0	87
	FOR CHAINS W	/ITH 12 0″ P		-		
IRP. 10.0.3.15.K325.90	Plastic	860	-	340	0	87

LFC/044, LFC/045, LFC/046







I

ENGINEERING PLASTICS | BOTTLING & BEVERAGE FILLING SOLUTIONS

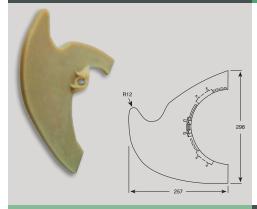
MISCELLANEOUS	CODE	DESCRIPTION
	INF/CAM/SMALL	KHS ALTERNATIVE INFEED CAMS - SMALL
5	DIS/CAM/LARGE	KHS ALTERNATIVE DISCHARGE CAMS - LARGE
	INFEED/FINGERS	SIMONAZZI ALTERNATIVE INFEED FINGERS
	INFEED/FINGERS/MACH	INFEED FINGERS MACHINED
	SUPPORT/PIECES	KHS, KRONES & SIMONAZZI ALTERNATIVE SUPPORT PIECES
	FEED/DIS/FINGERS/208 FEED/DIS/FINGERS/228	KHS, KRONES & SIMONAZZI ALTERNATIVE INFEED & DISCHARGE FINGERS
	FEED/DIS/FINGERS/*	KHS, KRONES & SIMONAZZI ALTERNATIVE INFEED & DISCHARGE FINGERS
J.	FEED/DIS/FINGERS/*/*	KHS, KRONES & SIMONAZZI ALTERNATIVE INFEED & DISCHARGE FINGERS
	POCKET/TYPE/*/*	KHS & SIMONAZZI ALTERNATIVE POCKETS & INSERTS FOR BOTTLE WASHERS



MISCELLANEOUS	CODE	DESCRIPTION
	IRP-POCKET/INSERT/TYPE8	O&H ALTERNATIVE BOTTLE WASHER POCKET / NOSE CONE
	NECK/GUIDES	KRONES & SYSTEMPLAST ALTERNATIVE BOTTLE NECK GUIDES
	PICK/UP/HEAD/*	KHS, KRONES, OROBICA ALTERNATIVE PICK UP HEADS - COMPLETE
	SL/N/SIM	SIMONAZZI ALTERNATIVE SWITCH LEVERS
	CHAIN/GUIDE/*	CHAIN GUIDES / TENSIONERS
ļ	TURNING/FORK/*	KRONES ALTERNATIVE TURNING FORKS
	BOTTLE/PLATFORM/*	KHS & KRONES ALTERNATIVE BOTTLE PLATFORMS
•	BOTTLE/PAD/*	KHS & KRONES ALTERNATIVE BOTTLE PADS
9	UPPER/TULIP	KHS, KRONES & SIDEL ALTERNATIVE UPPER PART OF CENTERING TULIPS
0	LOWER/TULIP	KHS, KRONES & SIDEL ALTERNATIVE LOWER PART OF CENTERING TULIPS
8	SUC/CUP/NT	KHS & KRONES ALTERNATIVE TULIP SLEEVES / SUCTION CUPS
	SUC/CUP/TR	KHS & KRONES ALTERNATIVE TULIP SLEEVES / SUCTION CUPS
	8-RING/PTFE/BELLOW	KRONES ALTERNATIVE PTFE BELLOWS / DIAPHRAGMS
62	ROLLER/*/*/	KHS & KRONES ALTERNATIVE LIFT CYLINDER ROLLERS / PULL DOWN ROLLERS



KHS ALTERNATIVE - INFEED CAM



SPECIFICATIONS

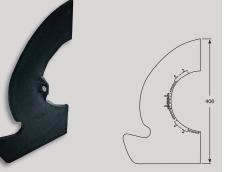
Material

Reinforced Polyamide

Component Reference

INF/CAM/SMALL

KHS ALTERNATIVE DISCHARGE CAM - LARGE



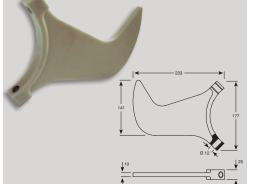
SPECIFICATIONS

Reinforced Polyamide Material

Component Reference

DIS/CAM/LARGE

SIMONAZZI ALTERNATIVE INFEED FINGER



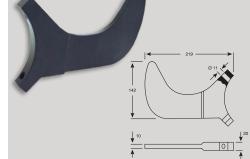
	SPECIFIC	ATIONS
>	Material	Reinforced Polyamide
177		Component Reference

INFEED/FINGER

.....

MACHINED INFEED FINGERS

SPECIFICATIONS



Material

Reinforced Polyamide/UHMWPE

Component Reference INFEED/FINGER/MACH

G4

	KHS, KRONES & SIMONAZZ SUPPORT PIEC	
	SPECIFICATIONS	
	Material UHMWPE	
	Component Reference SUPPORT/PIECES	2
↑ → I I < 06.5	KHS, KRONES & SIMONAZZI INFEED & DISCHARGE	
	SPECIFICATIONS	
	Material Reinforced Polyamide/ UHMWPI	E
0 12	Component Reference	Length (mm)
	FED/DIS/FINGERS/208 FED/DIS/FINGERS/228	208 228
	KHS, KRONES & SIMONAZZI	
	SPECIFICATIONS	
	Material Reinforced Polyamide/ UHMWPI	Ē
	5 Component Reference	Dimensions L (mm) B (mm)
	FED/DIS/FINGERS/268/20 FED/DIS/FINGERS/246/22	268 20 246 22
	KHS, KRONES & SIMONAZZ INFEED & DISCHARGE	
0 10.3		
		E
Type 1	Component Reference	Dimensions L (mm) B (mm)
	FED/DIS/FINGERS/248/TYPE2	248 2
Type 2	FED/DIS/FINGERS/267/TYPE2 FED/DIS/FINGERS/272/TYPE1	267 2 272 1



Our wear and sliding optimised polyethylene UHMWPE, with characteristic features such as: High abrassion resistance

- High notched impact strength
- · Low coefficient of friction
- High chemical and corrosion
 resistance
- No absorption of humidity
- Absorbing vibration and noise
- Special angles, colours and designs available upon request.

KRONES & SYSTEMPLAST ALTERNATIVE NECK GUIDES

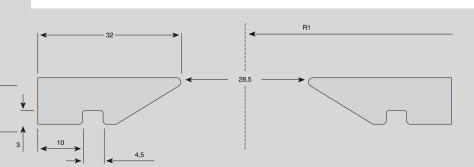
SPECIFICATIONS

UHMWPE

Material

Side of the Radius 1 **Component Reference** Angle α mm Turn NECK/GUIDE/OUTSIDE/500CL/15-DEG Outside 15° NECK/GUIDE/INSIDE/500CL/15-DEG Inside NECK/GUIDE/OUTSIDE/500CL/30-DEG Outside 30° NECK/GUIDE/INSIDE/500CL/30-DEG Inside NECK/GUIDE/OUTSIDE/500CL/45-DEG Outside 45° NECK/GUIDE/INSIDE/500CL/45-DEG 500 Inside NECK/GUIDE/OUTSIDE/500CL/60-DEG Outside 60° NECK/GUIDE/INSIDE/500CL/60-DEG Inside NECK/GUIDE/OUTSIDE/500CL/75-DEG Outside 75° NECK/GUIDE/INSIDE/500CL/75-DEG Inside NECK/GUIDE/OUTSIDE/500CL/90-DEG Outside 90° NECK/GUIDE/INSIDE750CL/90-DEG Inside NECK/GUIDE/OUTSIDE/750CL/15-DEG Outside 15° NECK/GUIDE/INSIDE/750CL/15-DEG Inside NECK/GUIDE/OUTSIDE/750CL/30-DEG Outside 30° NECK/GUIDE/INSIDE/750CL/30-DEG Inside NECK/GUIDE/OUTSIDE/750CL/45-DEG Outside 45° NECK/GUIDE/INSIDE/750CL/45-DEG 750 Inside NECK/GUIDE/OUTSIDE/750CL/60-DEG Outside 60° NECK/GUIDE/INSIDE/750CL/60-DEG Inside NECK/GUIDE/OUTSIDE/750CL/75-DEG Outside 75° NECK/GUIDE/INSIDE/750CL/75-DEG Inside NECK/GUIDE/OUTSIDE/750CL/90-DEG Outside 900 NECK/GUIDE/INSIDE/750CL/90-DEG Inside NECK/GUIDE/OUTSIDE/1000CL/15-DEG Outside 15° NECK/GUIDE/INSIDE/1000CL/15-DEG Inside NECK/GUIDE/OUTSIDE/1000CL/30-DEG Outside 30° NECK/GUIDE/INSIDE/1000CL/30-DEG Inside NECK/GUIDE/OUTSIDE/1000CL/45-DEG Outside 45° NECK/GUIDE/INSIDE/1000CL/45-DEG Inside 1000 NECK/GUIDE/OUTSIDE/1000CL/60-DEG Outside 60° NECK/GUIDE/INSIDE/1000CL/60-DEG Inside NECK/GUIDE/OUTSIDE/1000CL/75-DEG Outside 75° NECK/GUIDE/INSIDE/1000CL/75-DEG Inside NECK/GUIDE/OUTSIDE/1000CL/90-DEG Outside 900 NECK/GUIDE/INSIDE/1000CL/90-DEG Inside

Colours 🗆 🔳 Depending on stock



DIA=45MM

<image>

KRONES, KHS & OROBICA ALTERNATIVE PICK UP HEADS COMPLETE

.....

SPECIFICATIONS

Component Reference

PICK/UP/HEAD/45DIA

Gripper Bell in Reinforced Plastic:

Excellent material for our gripper bells.

The housing and parts of our gripper bells are of high quality engineering plastics and equipped with tulip sleeves made of wellchosen elastomers, which offer outstanding mechanical properties such as:

- Excellent resistance to mechanical wear
- Good tear propagation resistance
- Low compression set
- High adhesion and grip
- Elasticity and flexability

Especially suitable for:



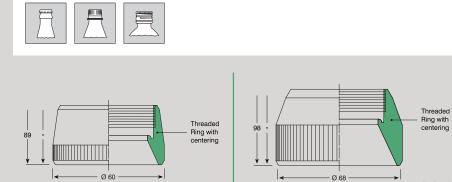
DIA=54/60/68MM

KRONES, KHS & OROBICA ALTERNATIVE PICK UP HEADS COMPLETE

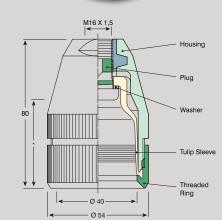


Component Reference
PICK/UP/HEAD/54DIA
PICK/UP/HEAD/60DIA
PICK/UP/HEAD/68DIA

Especially suitable for:



Immersion length 45 / 55 / 65 mm



DIA=58MM



PlasticGripper Bell Phillips Head Screw Washer Collar Clamp Ring

* Immersion length 50 / 58 mm

KRONES, KHS & OROBICA ALTERNATIVE PICK UP HEADS COMPLETE

.....

SPECIFICATIONS

........

Reinforced Polyamide
Component Reference
PICK/UP/HEAD/58DIA

Gripper Bell in Reinforced Plastic:

Excellent material for our gripper bells.

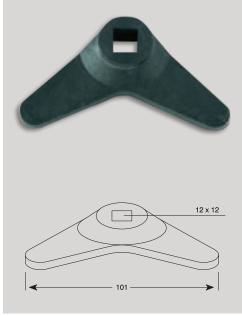
The housing and parts of our gripper bells are of high quality engineering plastics and equipped with tulip sleeves made of wellchosen elastomers, which offer outstanding mechanical properties such as:

- Excellent resistance to mechanical wear
- Good tear propagation resistance
- Low compression set
- High adhesion and grip
- Elasticity and flexability

Especially suitable for:



SIMONNAZI ALTERNATIVE SWITCH LEVER



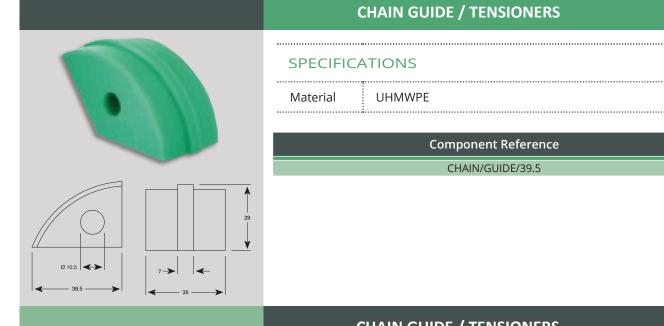
SPECIFICATIONS

Material

ial Reinforced Polyamide

Component Reference

SL/N/SIM

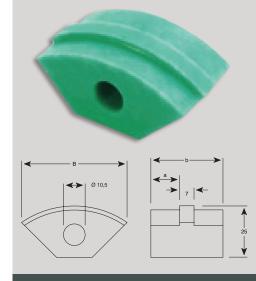


CHAIN GUIDE / TENSIONERS

.....

SPECIFICATIONS

.....



Material Polyamide/ UHMWPE

Component Reference	Dimensions (mm)		
	В	b	а
CHAIN/GUIDE/35	51.3	35	14
CHAIN/GUIDE/30	53.8	30	10

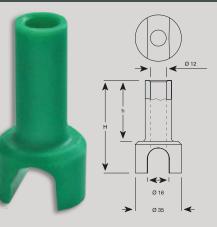
N& V-o" LTERNATIVE uykV@87 kM

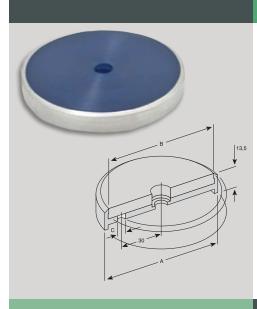
SPECIFICATIONS

....

.....

Material	Polyamide/ UHMWPE		
Component Reference		Dime	nsions
		Н	h
	TURNING/FORK/52	52	28
	TURNING/FORK/67	67	43
	TURNING/FORK/70	70	46





10,5

KHS & KRONES ALTERNATIVE BOTTLE PLATFORMS

SPECIFICATIONS

Material

Stainless steel & polyurethane with high abrasion resistance

Component Reference	Dimensions (mm)		
	А	В	С
BOTTLE/PLATFORM/85	85	78.5	-
BOTTLE/PLATFORM/85-6	85	78.5	6
BOTTLE/PLATFORM/92	92	85.5	-

KHS & KRONES ALTERNATIVE BOTTLE PADS

SPECIFICATIONS

Material Reinforced Polyamide

Component Reference	Dimensions (mm)		
	А	В	С
BOTTLE/PAD/55	55	57	100
BOTTLE/PAD/55-80	55	57	80
BOTTLE/PAD/48	48	50	100

KHS & KRONES ALTERNATIVE BOTTLE PADS

82

90

91

95

100

101

87

95

98

100

105

108

15

26.5

20

14

14

20

h 21.6

> 6 10

6

21

10

6

6

10

SPECIFICATIONS

•••

|--|

Material	Polyamide/ UHMWPE				
<i>.</i>			Dimensio	ons (mm)	
Comp	onent Reference	A	В	H	
BC	TTLE/PAD/79.5	74.7	79.5	26	l
B	OTTLE/PAD/85	80	85	14	
B	OTTLE/PAD/88	81	88	20	

~1	1	
וכ		

BOTTLE/PAD/87

BOTTLE/PAD/95

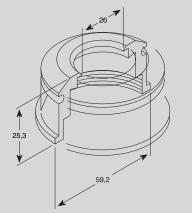
BOTTLE/PAD/98

BOTTLE/PAD/100

BOTTLE/PAD/105

BOTTLE/PAD/108





KHS, KRONES & SIDEL ALTERNATIVE UPPER PART OF CENTERING TULIP

.....

SPECIFICATIONS

.....

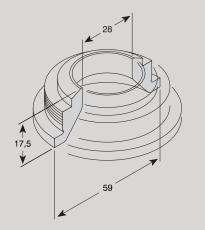
Material

Reinforced Plastic

Component Reference

UPPER/TULIP





KHS, KRONES & SIDEL ALTERNATIVE LOWER PART OF CENTERING TULIP

SPECIFICATIONS

Component Reference

LOWER/TULIP

KHS & KRONES ALTERNATIVE SUCTION CUP / TULIP SLEEVE



SPECIFICATIONS

Material

..... Injection Moulded Polyurethane

> **Component Reference** SUC/CUP/NT

KHS & KRONES ALTERNATIVE SUCTION CUP / TULIP SLEEVE

SPECIFICATIONS

	••••
16.5	

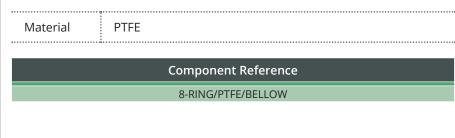
					ľ	١	/	١	ć	a	1	t	e		1	ſ	i	ć	Э								
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	

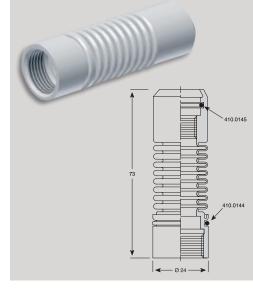
Injection Moulded Polyureth	ane
-----------------------------	-----

Component Reference SUC/CUP/TR

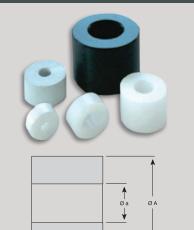
KRONES ALTERNATIVE PTFE BELLOWS / DIAPHRAGMS

SPECIFICATIONS









KHS & KRONES ALTERNATIVE LIFT ROLLERS

SPECIFICATIONS

Material

.....

Polyamide, Acetal, UHMWPE

Component Reference	Din	nensions (m	ım)
	ØA	Øa	В
ROLLER/20ODX61DX10mm	20	6	10
ROLLER/250DX12DX12mm	25	12	12
ROLLER/30ODX8.5DX17mm	30	8.5	17
ROLLER/30ODX12.5DX22.7mm	30	12.5	22.7
ROLLER/49.50DX14DX13.5mm	49.5	14	13.5
ROLLER/50ODX24DX39mm	50	24	39

KHS & KRONES ALTERNATIVE LIFT ROLLERS

SPECIFICATIONS

0 12 ↓	24-	Ø 23	Ø

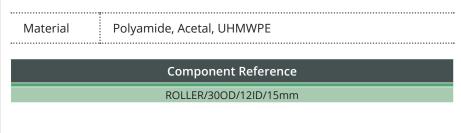
Polyamide, Acetal, U	HMWPE
----------------------	-------

•••••		
	Component Reference	

ROLLER/300D/12ID/24mm

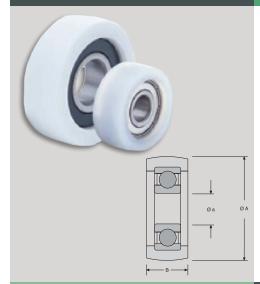
KHS & KRONES ALTERNATIVE LIFT ROLLERS

SPECIFICATIONS



Ø 12

15 -



KHS & KRONES ALTERNATIVE LIFT ROLLERS

.....

SPECIFICATIONS ------

Material

Outer coating in Acetal/Polyamide to suit pressed fit bearings

Component Reference	Dimensions (mm)		
	ØA	Øa	В
ROLLER/40ODX12DX16mm	40	12	16
ROLLER/60ODX20DX20mm	60	20	20

KHS & KRONES ALTERNATIVE LIFT ROLLERS

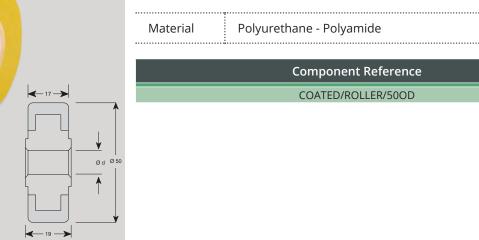
SPECIFICATIONS

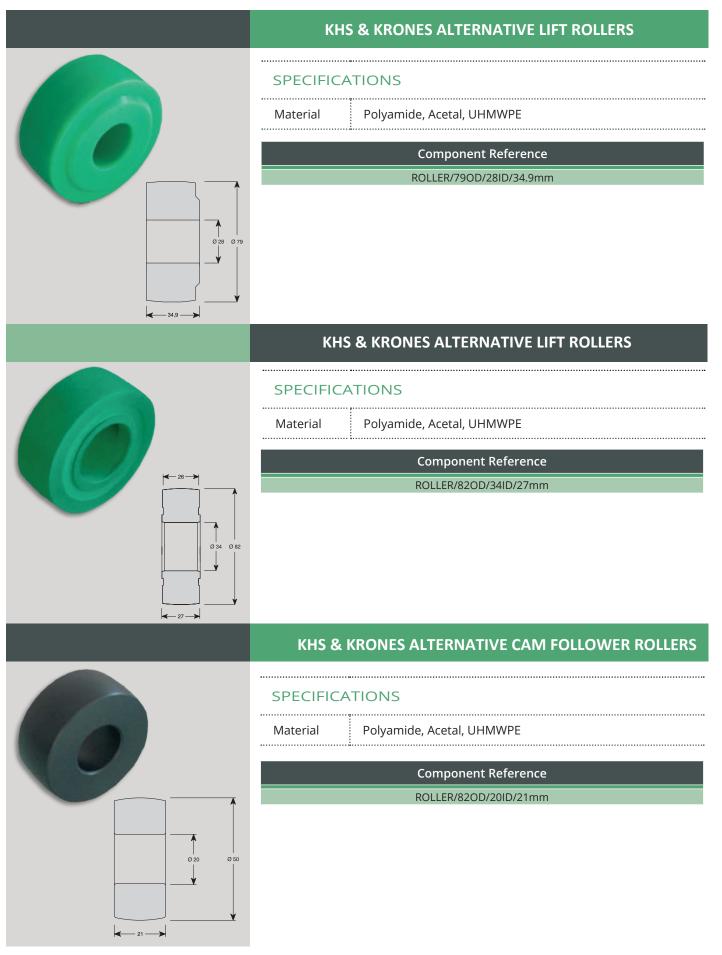
$\overline{\mathbf{O}}$	SPE

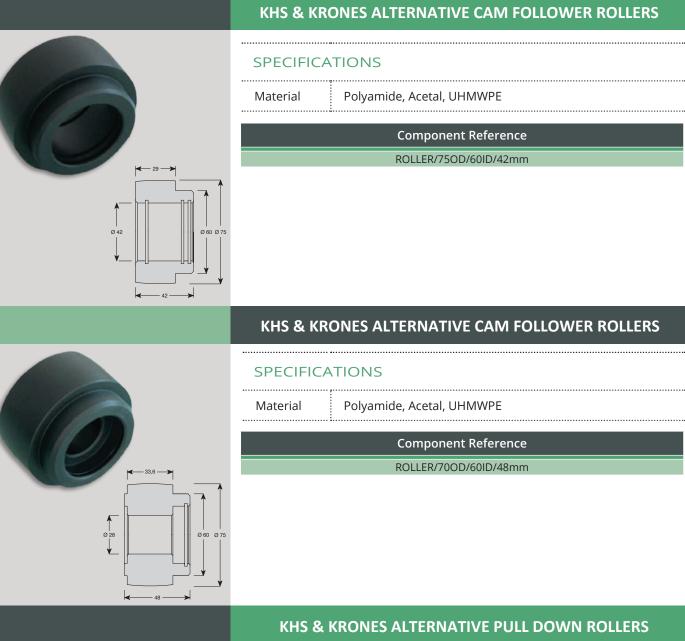
Material	Coating in Polyamide, Ball-Bearing	
Component Reference		
	ROLLER/400D/15ID/16mm	

KHS & KRONES ALTERNATIVE LIFT ROLLERS

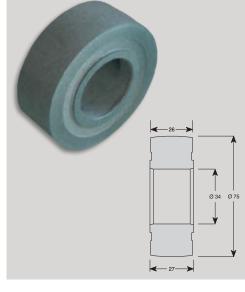
SPECIFICATIONS











SPECIFICATIONS

Material

.....

Polyamide, Acetal, UHMWPE

Component Reference

ROLLER/750D/34ID/27mm





G18

IRP ENGINEERING PLASTICS

15 Amelia Drive, Lanseria Corporate Estate, Pelindaba Road, Lanseria, 1739

- +27 11 462 2241
- www.irp.co.za
- 刘 Volume 22

JOHANNESBURG

PO Box 2666, Honeydew, 2040

Tel: +27 11 462 2241 Fax: +27 11 462 4150 Email: jhb@irp.co.za

CAPE TOWN

PO Box 2666, Honeydew, 2040

Tel: +27 21 556 6990 Fax: +27 21 556 7440 Email: capetown@irp.co.za

DURBAN

PO Box 2666, Honeydew, 2040

Tel: +27 31 205 0200 Fax: +27 31 205 0203 Email: durban@irp.co.za