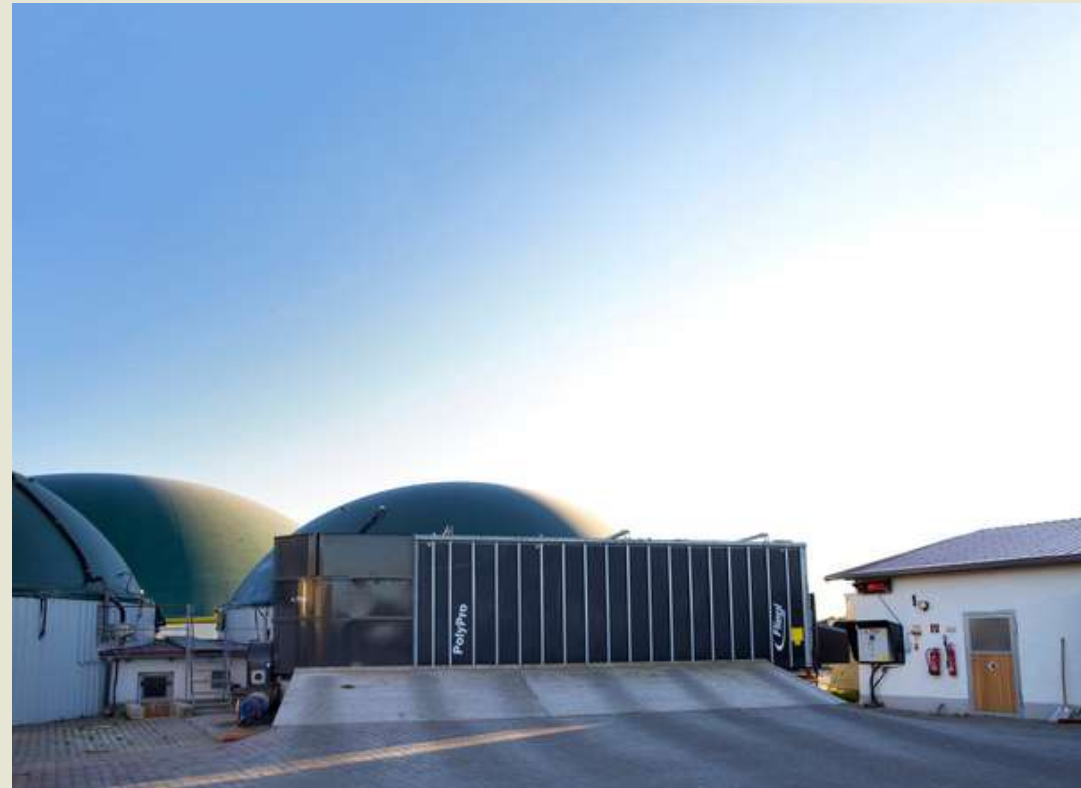


Replacement parts list

Dosing technology 2024



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Formal details of replacement parts list

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This may result in differences in the illustrations and descriptions in this replacement parts list.

Notes regarding this document:

This document represents the current replacement parts list (valid from 01/10/2024).
All information is supplied without guarantee; subject to changes, errors and misprints.

All prices are in EUR (€).

All dimensional specifications and weights should be taken as approximate values.

Deviations may occur in the course of further development.

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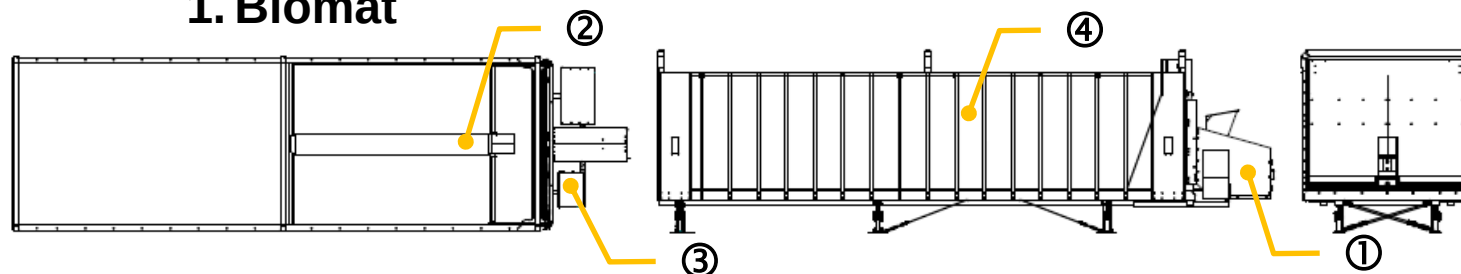
Some of the figures may show special equipment.

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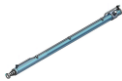
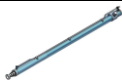
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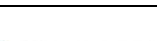
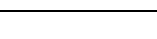
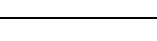
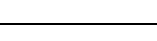
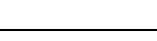
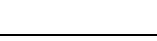
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1. Biomat



1.1 Hydraulic cylinder

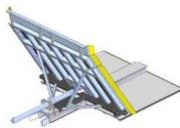
Art. no.	Article designation	Image	Description	Price
① Main cylinder				
574874	MBG thrust cylinder for PolyPro 18, 23		90/60/2000 - 500 mm limited, trunnion spacing 2145 mm	
465588	Thrust cylinder, complete / painted for PolyPro 22, 27		90/60/2500, trunnion spacing 2155 mm	
554372	Thrust cylinder, complete / painted for PolyPro 25, 30		110/70/3000, trunnion spacing 2145 mm	
465583	Thrust cylinder, complete / painted for PolyPro 36		110/70/3000, trunnion spacing 3155 mm	
Accessories for mounting cylinders up to 4000 mm:			<i>(All set items also available individually)</i>	
455750	Hexagon nut / flat - DIN 439	1	M48 x 2 (for hydraulic cylinder)	
481434	Protective cap for hexagon bolts	1	A/F 75 mm / black / plastic	

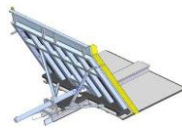
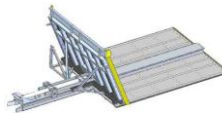
Art. no.	Article designation	Image	Description	Price
① Main cylinder				
442664	Thrust cylinder, complete for PolyPro 39, 42		125/70/4000, trunnion spacing 3155 mm	
465584	Thrust cylinder, complete / painted suitable for PolyPro 39, 42		125/70/4000, trunnion spacing 3155 mm	
565190	Thrust cylinder, complete / SBG / SPECIAL/ painted for PolyPro 39, 42		110 /70/4000, limited / M48, trunnion spacing 3155 mm	
443013	Thrust cylinder, complete for PolyPro 39, 42		125/70/4500, trunnion spacing 3665 mm Use only for old systems with sliding floor type 3000	
519959	Hydraulic cylinder 125 x 70 x 4000 mm / painted for PolyPro 48		125/70/4000, trunnion spacing 4155 mm	
566969	Thrust cylinder, complete / SBG / SPECIAL/ painted for PolyPro 45, 54, 60, 74		125/80/5000, limited / M48, trunnion spacing 4155 mm, biogas / replacement for art. no. 467571	
563447	Cylinder / complete / SBG / painted for PolyPro 45, 54, 60, 74		110 /70/5000, trunnion spacing 4155 mm	
508471	Hydraulic cylinder 125 x 70 x 4000 mm, extended for PolyPro 82		125/70/4000, extended	
557266	Hydraulic cylinder 125 x 70 x 5000 mm, extended / painted for PolyPro 90		125/70/5000, extended / painted	
556118	Thrust cylinder, complete / painted for PolyPro 100		125/80/6000, trunnion spacing 6190 mm	
527996	Thrust cylinder, complete for PolyPro 100		125/80/6000, trunnion spacing 4155 mm Special edition! Rarely used	
Accessories for mounting cylinders over 4000 mm: (All set items also available individually)				
526423	MBG cylinder guide biogas	1	With 2 clamping pieces, D 141 mm	
455750	Hexagon nut / flat - DIN 439	1	M 48 x 2 mm (for hydraulic cylinder)	
481434	Protective cap for hexagon bolts	1	A/F 75 mm / black / plastic	

Art. no.	Article designation	Image	Description	Price
① Main cylinder				
518834	Polyamide cylinder limiter bushing 250		Ø 81 x Ø 110 x 250 mm	
552387	Cylinder limiter bushing / polyamide		Ø 65 x Ø 85 x 615 mm	
563422	Cylinder limiter bushing		Ø 65 x Ø 85 x 1000 mm	
528635	Cylinder limiter bushing		Ø 80 x Ø 120 x 500 mm	
528636	Cylinder limiter bushing		Ø 70 x Ø 100 x 500 mm	
420919	Seal set / S		80/50	
420922	Seal set / S		90/60	
438656	Seal set / S		100/60	
469422	Seal set / S		110/60	
420923	Seal set / S		100/70	
420924	Seal set / S		110/70	
438655	Seal set / S		125/70	
469421	Seal set / S		125/80	

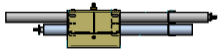
Art. no.	Article designation	Image	Description	Price
① Main cylinder				
436893	Guide head for hydraulic cylinder		90/60	
454626	Guide head for hydraulic cylinder		100/60	
455940	Guide head for hydraulic cylinder		100/70	
455941	Guide head for hydraulic cylinder		110/70	
432933	Trunnion Ø 45 mm		Thrust cylinder / int. Ø 141 mm	
522927	Trunnion mount / NEW		Long / PolyPro / top holder	
494833	Trunnion mount / short		355 x 341 x 25 mm / for PolyPro	
479074	Locking plate		for PolyPro bridge / 2 pieces per PolyPro	
538110	Threaded rod / chamfer		M48 x 2 x 50 mm / sliding floor	
554421	Trunnion / sliding floor / painted		Ø 45 mm	

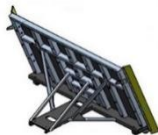
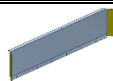
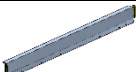
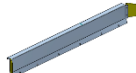
1.2 Push-off system

Art. no.	Article designation	Image	Description	Price
② Push-off system				
511671	Push-off system type 1500, incl. cylinder package for PolyPro 18, 22, 25		1500 mm stroke / width: 2380 mm / height: 2300 mm stainless steel, steel structure with PE strips	
508096	Push-off system type 1500, incl. cylinder package for PolyPro 23, 27, 30 (2016 version)		1500 mm stroke / width: 2850 mm / height: 2300 mm stainless steel, steel structure with PE strips	
Required accessories for sliding floors:			(All set items also available individually)	
455750	Hexagon nut / flat, DIN 439	1	M48 x 2 (for hydraulic cylinder)	
481434	Protective cap for hexagon bolts	1	A/F 75 mm / black / plastic	
547211	Washer / V2A	1	Ø 50 x Ø 90 x 8 mm	
506274	Front tip extension 300 mm, complete	1	Only for older systems, pre-2016	
538110	Threaded rod / chamfer, M48 x 2 x 50 mm	1	If no main cylinder is supplied	

Art. no.	Article designation	Image	Description	Price
② Push-off system				
489102	Push-off system type 2500, incl. cylinder package for special series narrow		2500 mm stroke / width: 2380 mm / height: 2300 mm stainless steel, steel structure with PE strips	
502493	Push-off system type 2500, incl. cylinder package for PolyPro 36, 42		2500 mm stroke / width: 2850 mm / height: 2300 mm stainless steel, steel structure with PE strips	
467939	Push-off system type 2500 MEGA incl. cylinder package		2500 mm stroke / width: 2850 mm / height: 2840 mm stainless steel, steel structure with PE strips	
499317	Push-off system type 3500, incl. cylinder package for PolyPro 39, 45 (2016 version)		3500 mm stroke / width: 2380 mm / height: 2300 mm stainless steel, steel structure with PE strips	
503215	Push-off system type 3500, incl. cylinder package for PolyPro 48, 54, 60		3500 mm stroke / width: 2850 mm / height: 2300 mm stainless steel, steel structure with PE strips	
508025	Push-off system type 3500 MEGA, incl. cylinder package for PolyPro 74		3500 mm stroke / width: 2850 mm / height: 2840 mm stainless steel, steel structure with PE strips	
516649	Push-off system type 5500, incl. cylinder package for PolyPro 82C		5500 mm stroke / width: 2380 mm / height: 2380 mm stainless steel, steel structure with PE strips	
506904	Push-off system type 5500, incl. cylinder package for PolyPro 82, 90, 100		5500 mm stroke / width: 2850 mm / height: 2840 mm stainless steel, steel structure with PE strips	
Required accessories for sliding floors: (All set items also available individually)				
526423	Biogas cylinder guide, 2 clamping pieces	1	With 2 clamping pieces, D 141 mm	
455750	Hexagon nut / flat, DIN 439	1	M 48 x 2 (for hydraulic cylinder)	
481434	Protective cap for hexagon bolts	1	AF 75 mm / black / plastic	
547211	Washer / V2A	1	Ø 50 x Ø 90 x 8 mm	
506274	Front tip extension 300 mm, complete	1	Only for older systems, pre-2016	
538110	Threaded rod / chamfer, M48 x 2 x 50	1	If no main cylinder is supplied	

Art. no.	Article designation	Image	Description	Price
② Push-off system				
538450	Hydraulic cylinder / sliding floor		100/60/1500	
528783	Thrust cylinder, complete		90/60/1500 / trunnion spacing 1000 mm	
554458	Thrust cylinder, complete / NEW 2018 / painted		110/60/2500 / trunnion spacing 1643 mm	
570128	Thrust cylinder, complete / painted		90/60/2500 / trunnion spacing 1643 mm	
572975	Thrust cylinder, complete / painted		90/60/2500 / M30 / trunnion spacing 1643 mm	
463517	Cylinder package for sliding floor		2500 mm	

Art. no.	Article designation	Image	Description	Price
② Push-off system				
557153	Cylinder package / OLD / painted		Sliding floor 3.5	
Included in the complete cylinder package: <i>(All set items also available individually)</i>				
559936	Cylinder package / top / painted	1x	Ø 100 x Ø 60 x 2000 mm / cylinder package / OLD / 3.5	
559946	Cylinder / bottom / SBG / painted	1x	Ø 110 x Ø 60 x 1500 mm / cylinder package / OLD / 3.5	
570390	Side section / S235 JR / SBG / painted	2x	L = 600 mm / cylinder package 2.5 / 3.5	
570392	U rail / painted	1x	L = 570 mm / cylinder package 2.5 - 3.5	
534719	Plate / cylinder package 2.5 - 3.5 / PVC	1x	570 x 200 x 15 mm	
531120	Cylinder package / sliding floor / biogas 2018 version		3500 mm / cylinder spacing (centre to centre) 320 mm / ET only	
556076	Cylinder package / sliding floor / biogas 2021 version		3500 mm / cylinder spacing (centre to centre) 240 mm	
568424	Cylinder package / sliding floor / biogas 2023 version / painted		3500 mm / cylinder spacing (centre to centre) 240 mm	
457408	Cylinder package for sliding floor		5500 mm	
537833	Cylinder package / sliding floor / biogas 2018 version		5500 mm / cylinder spacing (centre to centre) 320 mm / ET only	
556077	Cylinder package / sliding floor / biogas 2021 version		5500 mm / cylinder spacing (centre to centre) 240 mm	
568525	Cylinder package / sliding floor / 2023 version / painted		5500 mm / cylinder spacing (centre to centre) 240 mm	

Art. no.	Article designation	Image	Description	Price
② Push-off system				
558073	Moving panel / 1.5 / 2.5 / channel 935 / MBG / V2A W = 2850 mm / H = 2300 mm / stainless steel / PE strips		<i>Sliding wall on its own, only for systems from 2017 onwards</i>	
557224	Moving panel / from 3.5 / channel 1405 / MBG / V2A W = 2850 mm / stainless steel / PE strips		<i>Sliding wall on its own, only for systems from 2017 onwards</i>	
529712	Attachment / width 2850 mm / STEEL		For sliding floor H = 2850 mm / MEGA for PolyPro 74, 82, 90, 100	
513329	Attachment / width 2850 mm / S235 JR		For sliding floor H = 2300 mm for PolyPro 23, 27, 30, 36, 42, 48, 54, 60	
523053	Superstructure / width 2380 mm / narrow / S235 JR		For sliding floor / H 2300 mm for PolyPro 18, 22, 25, 39, 45	
535432	Superstructure / width 2380 mm / narrow / S235 JR		For sliding floor H = 2850 mm / MEGA for PolyPro 82C	
414164	Polyurethane strips		2500 x 120 x 10 mm, 90° Shore	
466262	Sealing strip set		Incl. clamping strips	
514192	Hose guide for PolyPro 23 - 74			
460043	Hose guide for PolyPro 82, 90, 100			

Art. no.	Article designation	Image	Description	Price
② Push-off system				
472220	Slide rail set type 1500 / complete		PolyPro 18, 22, 23, 25, 27, 30 PE strips, bottom / including screws	
472222	Slide rail set type 2500 / complete		PolyPro 36, 42 PE strips, bottom / including screws	
472223	Slide rail set type 3500 / complete		PolyPro 39, 45, 48, 54, 60, 74 PE strips, bottom / including screws	
544901	Slide rail set type 5500 / complete		PolyPro 82, 90, 100 PE strips, bottom / including screws	
571253	Repair kit for lateral slide rail holder		For lateral spring plate of sliding floor	
Included in the set: <i>(All set items also available individually)</i>				
564495	Bushing / V2A	1	Ø 28 x Ø 18 x 35 mm / sliding table	
540911	VA pressure spring for biogas sliding floor	1	4.0 x 26 (ext.) x 60 mm	
489995	Hexagon bolt - DIN 931 / A2 70	1	M16 x 140 - A2	
438104	Lock nut - DIN 985	1	M16 - V2A	
504111	Magnetic sensor MGS204		MGK3070-BPKG/AM/G/US	
487518	Damping magnet M4.1 / M12		Stainless / E12350 / total length 45 mm	
440112	Damping magnet M4.1		Barium ferrite / stainless steel	

Art. no.	Article designation	Image	Description	Price
② Push-off system				
513065	Guide holder / centre			
513066	Guide holder / side			
503334	Holder for hose guide			
538209	Holder / hose guide / narrow		L = 940 mm / H = 820 mm / sliding floor / PolyPro	

1.3 Hydraulic unit

Art. no.	Article designation	Image	Description	Price
③ Hydraulic unit				
439135	Hydraulic unit 3 kW - painted		55 l container and 6.2 cc pump	
461131	Hydraulic unit 3 kW - complete		55 l container, 6.2 cc pump and roof	
495026	Hydraulic unit 3 kW - painted		CM1-3-P03+P03-S55 / tandem pump	
461102	Hydraulic unit 3 kW - complete		100 l tank with 6.25 cc pump and plate	
480859	Hydraulic unit 5.5 kW - painted		100 l container and 11 cc pump	
461104	Hydraulic unit 5.5 kW - complete		100 l container and tandem pump, each 6.2 cc, plate	
457526	Hydraulic unit 5.5 kW - painted		100 l container and tandem pump, each 6.2 cc, 24 V	
474982	Hydraulic unit 5.5 kW - painted with 100 l container		Triple pump, 4/3-way valve and double manual control valve	
540978	Hydraulic unit 4 kW - 220/380 - painted		100 l container and 8.2 cc pump, 4/3 way valve	
518115	Seal for tank lid, GS100		Code 222GS100 // 4 kW unit	

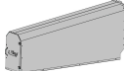
Art. no.	Article designation	Image	Description	Price
③ Hydraulic unit				
419175	Base plate with PRV		NG06 - 1 control element	
452822	Solenoid valve, switching, 4/3-way		NG06/C11 - w/o coil	
481051	Solenoid valve, switching, 4/3-way, set incl. coils 230V		NG06 / C11 - incl. screws	
454100	Argo-Hytos coil for solenoid valve, switching, cube		NG06 230 V / C22B-23050E5-1400NA 18849000	
532339	Solenoid valve, switching, 4/3-way, set incl. coils 24V		NG06 / C11 - incl. screws	
469816	Solenoid C22B-02400E3A-18.6NA		24 V / 1.29 A / ID 22.3 mm / ED 45 mm / L 63 mm / H 52 mm	
452215	Cylinder screw - DIN 912 / 8.8		M5 x 45 / galvanised	
503788	Cable with solenoid valve connectors / 230 V / 2 m		1x open end / 1x solenoid valve connector	
457188	Cable with solenoid valve connectors / 230 V / 5 m		1x open end / 2x solenoid valve connector	
479566	AMP valve connector, Molex / with free-wheeling diode for 24 V solenoids		LS-AMP 9473 / 2.5 m / PUR / straight	
479567	AMP valve connector, Molex / with free-wheeling diode for 24 V solenoids		LS-AMP 9473 / 5 m / PUR / straight	
479568	AMP valve connector, Molex / with free-wheeling diode for 24 V solenoids		LS-AMP 9473 / 10 m / PUR / straight	

Art. no.	Article designation	Image	Description	Price
③ Hydraulic unit				
568798	Control valve		SD 5/3-P(KG3-120) for 4 kW hydraulic unit	
557952	24 V / 1.34 A / ID 19.3 mm / W 35 mm / L 51 mm / H 50 mm		D12C 24V -36W H/AMP JPT (for 4.0 kW unit)	
527573	4/3-way valve		RPR3-063C11/A1-B	
439198	Pump for hydraulic unit - 2.2 kW + 3 kW		6.2 cc for 3 kW motor / OT 100 P65 D/B 18P1	
460375	Pump for hydraulic unit, double - 3 kW		P03 + P03 ccm	
497392	Pump for hydraulic unit, triple - 5.5 kW		5.5 kW motor / OT 200 P06+06+06 D/P 28P2	
555312	Pump for hydraulic unit - 4.0 kW		4.0 kW motor / OT 200 P08 D/P 28 P2	
443790	Pump for hydraulic unit - 5.5 kW		11 cc, for 5.5 kW motor / OT200 P11 D/P P2	
460374	Pump for hydraulic unit, double - 5.5 kW		5.5 kW hydraulic unit	
475587	Triple gear pump		22/17/3.2 - type XV2/P	
Information on pump: size 1 (OT100), size 2 (OT200), clockwise (D), anti-clockwise (S)				

Art. no.	Article designation	Image	Description	Price
③ Hydraulic unit				
458874	Intake filter type 3/4 for hydraulic unit 5.5 kW		Code 054FI3.20 M90	
438921	Intake filter type 1/2 for hydraulic unit 3.0 kW		4.0 kW code 054FI2.15 M90	
509583	Intake filter type 3/8 90m for hydraulic unit 3.0 kW		with tandem pump, code 054FR101303	
420592	Filter element for tank installation / return		HE K02-10.060-AS-SP025-VM-B17-B	
438922	Return filter for hydraulic unit		Complete with housing, code: 222AFR30R60NR	
420654	Coupling (elastic) / type 222ND11		GE281 / shaft D 28 / size 1	
420650	Coupling (elastic) / type 222ND16		GE382 / shaft D 38 / size 2	
420649	Coupling (elastic) / for 4 kW unit		GE282 / shaft D 28 / size 2	
484488	Rubber insert for coupling (elastic)		222R-42 / GE241/141	

Art. no.	Article designation	Image	Description	Price
③ Hydraulic unit				
420828	Oil level sight glass, bolted		Vertical / with thermometer	
510019	Pressure gauge 0 - 250 bar (Fliegl logo)		1/2" with glycerine / stainless steel / 100 mm, bottom connection	
510015	Pressure gauge 0 - 315 bar (Fliegl logo)		1/2" with glycerine / stainless steel / 100 mm, bottom connection	
441151	Pressure gauge 1/8" BSP - 222PV1		(For return filter of 2.2 kW unit)	

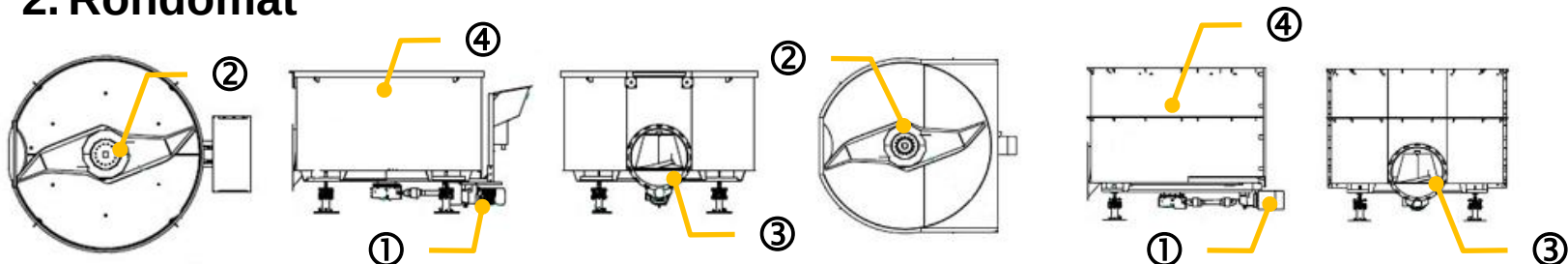
1.4 Container

Art. no.	Article designation	Image	Description	Price
④ Container				
553760	Rear section 2000 mm / galvanised		H = 2224 mm / W = 580 mm / PolyPro frame	
553763	Rear section / galvanised		H = 2865 mm / W = 580 mm / PolyPro frame	
553762	Side strut 2000 mm - tube 50 x 50 mm Welded / galvanised		PolyPro frame	
553764	Side strut 2800 mm - tube 100 x 50 mm Welded / galvanised		PolyPro frame	
490634	Front cover for PolyPro / 2.38 m		Without front tip	
555404	Front cover / PolyPro / 2.85 m / painted		Without front tip	
552797	Front tip / 2020 / hinge / MBG		PolyPro 2.85 m / L = 2050 mm	
499303	Front tip / hinge / Mega / MBG		L = 2850 mm	
506274	Front tip extension 300 mm / complete			

Art. no.	Article designation	Image	Description	Price
④ Container				
572656	MBG side panel, 500 mm high, incl. edging		PolyPro 23 / 3600 mm	
572659	MBG side panel, 500 mm high, incl. edging		PolyPro 42 / 3390 mm	
572662	MBG side panel, 500 mm high, incl. edging		PolyPro 42 / 3616 mm	
572665	MBG side panel, 500 mm high, incl. edging		PolyPro 54, 60, 74 / 2900 mm	
572668	MBG side panel, 500 mm high, incl. edging		PolyPro 54, 60, 74 / 3120 mm	
572671	MBG side panel, 500 mm high, incl. edging		PolyPro 54, 60, 74 / 2805 mm	
572674	MBG side panel, 500 mm high, incl. edging		PolyPro 100 / 3900 mm	
572677	MBG side panel, 500 mm high, incl. edging		PolyPro 100 / 4120 mm	
565475	Edging / side panel / LEFT / painted		500 mm attachment	
565476	Edging / side panel / RIGHT / painted		500 mm attachment	
The following parts are required for later side pane extension:				
For PolyPro 23:	1x art. no. 572656 / 2x art. no. 567753			
For PolyPro 42:	1x art. no. 572659 / 1x art. no. 572662 / 3x art. no. 567753			
For PolyPro 54:	1x art. no. 572665 / 1x art. no. 572668 / 1x art. no. 572671 / 4x art. no. 567753			
For PolyPro 60:	2x art. no. 572665 / 1x art. no. 572668 / 4x art. no. 567753			
For PolyPro 74:	2x art. no. 572665 / 1x art. no. 572668 / 4x art. no. 567753			
For PolyPro 100:	2x art. no. 572674 / 1x art. no. 572677 / 4x art. no. 567753			

Art. no.	Article designation	Image	Description	Price
④ Container				
567695	Stiffening bracket / wide / angled / galvanised		100 x 100 x 6 mm / H = 412 mm / PolyPro 23 - 54	
566536	Stiffening bracket / Mega / wide / angled / galvanised		100 x 100 x 6 mm / H = 248 mm / PolyPro 60 - 100	
571730	Stiffening bracket / wide / angled / galvanised		Tube 100 x 100 x 6 mm / H = 826 mm / raised side wall 800	
567753	Stiffening bracket / wide / angled / galvanised		100 x 100 x 6 mm / H = 585 mm / raised side wall 500	

2. Rondomat



2.1 Drive

Art. no.	Article designation	Image	Description	Price
① Drive				
443330	Spur gear motor SK42-132M/4		8.3 kW / 67 rpm / 45 mm shaft	
470896	Spur gear motor SK42-132M/4		7.5 kW / 67 rpm / 45 mm shaft - used	
476166	Spur gear motor SK42 /2G-132MH/4 2G TF ATEX		7.5 kW / ATEX / 66 rpm / 45 x 90 mm shaft	
459684	Spur gear motor SK 42-IEC132/3G-132M/4		7.5 kW / 56 rpm	
507947	Spur gear motor SK52-132MA/4 TF / IE1 ONLY for Rondomat 2.0!		10.1 kW / 67 rpm / 400/690 V, shaft 45 x 90 mm	
473562	Drive shaft B6 with shear bolts Rondomat + MULTIMIX		1700 Nm / Ø 45 H8 / 14 groove - shear bolt 1 3/4" Z20	
454031	Protective cap for drive shaft		Small / black / 41702CE	
462077	Hexagon bolt - DIN 931/12.9 / M8 x 60		Shear bolt for drive shaft / Rondomat	
405791	Hexagon bolt - DIN 931/8.8 / M10x50 - galvanised		Shear bolt for drive shaft / Rondomat	

Art. no.	Article designation	Image	Description	Price
① Drive				
464530	Planetary gearbox 1.0. Output right / painted		XHG01.51000.20R / TR = 1:28.32 / 1,200 x 800 x 600 mm (350 kg) oil - CLP220 (30 l)	
560815	Planetary gearbox 1.0 Output right / reinforced / painted		XHG01.51000.20R / TR = 1:28.32 / oil - CLP220 (30 l) factory reconditioned	
Screws for attaching the extractor blade: (All set items also available individually)				
538912	Hexagon bolt - DIN 931	12	M16 x 60 - A2	
438103	Hexagon bolt - DIN 933 / Niro-A 2 M	12	M16 x 50	
438099	Flat washer without bevel - DIN 125 A	24	D 17 mm - V2A	
476153	Planetary gearbox 2.0 Only for Rondomat 2.0		XHG06.51000.00 oil - CLP220 (30 l)	
Screws for attaching the extractor blade: (All set items also available individually)				
538912	Hexagon bolt - DIN 931	15	M 16 x 60 - A2	
482636	Hexagon bolt - DIN 933 / A2 70	12	M 16 x 80 - A2	
438099	Flat washer without bevel - DIN 125 A	42	D 17 mm - V2A	
476180	Hexagon nut - DIN 934	12	M 16 - V2A	
520973	Flange / V2A / welded assembly		Ø 660 x 10 mm / conversion to gearbox 2.0 / V2A	
521874	Flange / gearbox / MBG		Laser parts / Comer gearbox Conversion 1.0 old, to Comer gearbox	
477124	Compensation reservoir		For planetary gearbox, XHG01.51090.00	
556716	MBG compensation reservoir / steel / with attachment parts		For planetary gearbox, XHG01.51090.00	
560815	Bleed screw with valve		Brass / M18 x 1.5 / overpressure = 0.25-0.3 bar	

2.2 Extractor blade

Art. no.	Article designation	Image	Description	Price
② Extractor blade				
532032	Extractor blade / Rondomat 1.0 / V2A / RIGHT		Shortened on one side / 2.8 m / L = 2425 mm	
532388	Extractor blade / Rondomat 1.0 / V2A / LEFT		Shortened on one side / 2.8 m / L = 2425 mm	
471367	Rondomat attachment 1.0 / extractor blade RIGHT / narrow		Stainless steel, narrow 2.31 m	
471369	Rondomat attachment 1.0 / extractor blade LEFT / narrow		Stainless steel, narrow 2.31 m	
Screws for attaching the extractor blade: <i>(All set items also available individually)</i>				
538912	Hexagon bolt - DIN 931	12	M 16 x 60 - A2	
438099	Flat washer without bevel - DIN 125 A	12	D 17 mm - V2A	
532648	Intermediate flange for blade 1.0 / S235 JR	3	Ø 350 / Ø 202 x 5 mm	
535661	Heavy clamping sleeve - DIN 1481	3	18 x 24 / spring steel	
532034	Extractor blade / Rondomat 2.0 / V2A / RIGHT		Shortened on one side / 2.8 m / L = 2350	
546351	Extractor blade / Rondomat 2.0 / V2A / LEFT		Shortened on one side / 2.8 m / L = 2350	
Screws for attaching the extractor blade: <i>(All set items also available individually)</i>				
538912	Hexagon bolt - DIN 931	15	M 16 x 60 - A2	
456318	Spacer ring MultiMix / Rondomat	1	Ø 280 x Ø 350 x 6 mm / gearbox 2.0	
438099	Flat washer without bevel - DIN 125 A	15	D 17 mm - V2A	

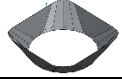
Art. no.	Article designation	Image	Description	Price
② Extractor blade				
534626	Extractor blade / Rondomat 4.0 / V2A / RIGHT		Shortened on one side / Ø 2.7 m / L = 2240 mm	
534625	Extractor blade / Rondomat 4.0 / V2A / LEFT		Shortened on one side / Ø 2.7 m / L = 2280 mm	
Screws for attaching the extractor blade: <i>(All set items also available individually)</i>				
538912	Hexagon bolt - DIN 931	12	M 16 x 60 - A2	
438099	Flat washer without bevel - DIN 125 A	12	D 17 mm - V2A	
455746	Vertical mixing auger stainless steel / RIGHT		for extractor blade incl. 12 screws M16 x 90	
455748	Vertical mixing auger stainless steel / LEFT		for extractor blade incl. 12 screws M16 x 90	

2.3 Discharge opening

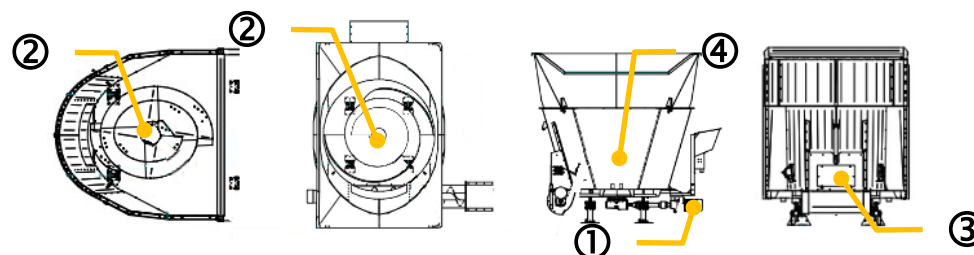
Art. no.	Article designation	Image	Description	Price
③ Discharge opening				
461923	Transfer joint cover / V2A		Inspection flap / bolted	
492420	Transfer joint Rondomat / V2A / painted		24 x Ø 17 mm / L = 1236 mm / W = 486 mm / OLD	
531459	Transfer joint Rondomat 4.0 / V2A		32 x Ø 17 mm / L = 1100 mm / W = 616 mm / NEW	
573460	Additional auger for Rondomat joint / V2A		Incl. Rondomat cover and shaft-mounted gear motor ATEX	
573462	Additional auger for Rondomat joint / V2A		With Rondomat cover and 3 kW motor, not explosion-proof	
461478	Additional auger for Rondomat / V2A			
491067	Shaft-mounted gear motor SK3282 AG / IE2		3.6 kW ATEX / 45 rpm / Ø 40 mm - hollow shaft	
507930	Shaft-mounted gear motor SK3282 AG / IE1		3.3 kW / 44 rpm / Ø 40 mm - hollow shaft	

2.4 Container

Art. no.	Article designation	Image	Description	Price
④ Container				
504170	Hopper attachment 23 m ³ for Rondomat		2000 mm, stainless steel	
524617	Hopper insert / complete / V2A		For hopper attachment 23 m ³ / H = 600 mm / d = 1 mm	
457544	Superstructure for Rondomat attachment / steel		For Rondomat MEGA	
530823	Rondomat 4.0 / 5.5 m ³ / V2A		Ø 2700 mm / H = 1000 mm / with subframe and PE plate	
532488	Hopper attachment 10 m ³ for Rondomat 4.0 / V2A		Ø 2700 mm / H = 1270 mm / closed	
532489	Hopper attachment 10 m ³ for Rondomat 4.0 / V2A		Ø 2700 mm / H = 1270 mm / feed opening	
530824	Hopper attachment 17 m ³ for Rondomat 4.0 / V2A		Ø 2700 mm / H = 1560 mm / closed	
532484	Hopper attachment 17 m ³ for Rondomat 4.0 / V2A		Ø 2700 mm / H = 1560 mm / feed opening	
531454	Attachment / Rondomat 4.0 / 8 m ³ / V2A		4000 x 4000 mm / H = 500 mm / closed	
532486	Attachment / Rondomat 4.0 / 8 m ³ / V2A		4000 x 4000 mm / H = 500 mm / feed opening	
532494	Attachment / Rondomat 4.0 / 19 m ³ / V2A		6280 x 3140 mm / closed	
532496	Attachment / Rondomat 4.0 / 19 m ³ / V2A		6280 x 3140 mm / feed opening	

Art. no.	Article designation	Image	Description	Price
④ Container				
574035	Lining for Rondomat 4.0		For hopper attachment 10 m³ / V2A	
574038	Lining for Rondomat 4.0		For hopper attachment 17 m³ / V2A	
513436	PE lining for container floor, Rondomat 1.0		RDM Solo and attachment Ø 2862 mm + mounting plates	
513438	PE lining for container floor, Rondomat 2.0		RDM Solo and attachment Ø 2862 mm + mounting plates	
513442	PE lining for container floor, RDM 1.0- narrow		RDM Solo and attachment Ø 2368 mm + mounting plates	
513446	PE lining for container floor, RDM 2.0- narrow		RDM Solo and attachment Ø 2368 mm + mounting plates	
511701	Lining for container floor, Rondomat 3.0 - 4.0		Ø 2660 mm	
527891	PE lining for container floor, Rondomat 1.0		Ø 1980 mm / Rondomat 05	
515238	Weld washer VA4		Ø 35 x 6.1 mm for stud welding machine	
515239	Threaded bolt for stud welding machine		M8 x 10 mm / A2-50 / for floor lining	
515240	Threaded bolt for stud welding machine		M8 x 30 mm / A2-50 / for compensation reservoir	

3. MultiMix

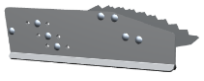


3.1 Drive

Art. no.	Article designation	Image	Description	Price
① Drive				
475786	Spur gear motor SK972.1-180LX/4TF / IE2		22 kW 191 rpm 60mm shaft old version with Mayer Siloking, possible up to approx. 2014	
507946	Spur gear motor SK52-180LX/4 TF / IE1		24.2 kW / 320 rpm / 45 x 90 mm shaft, ATTENTION KK1/II	
473562	Drive shaft B6 with shear bolts Rondomat + MULTIMIX		1700 Nm / Ø 45H8 / 14 groove - shear bolt 1 3/4" Z20	
454031	Protective cap for drive shaft		Small / black / 41702CE	
462077	Hexagon bolt - DIN 931 / 12.9 M8 x 60		Shear bolt for drive shaft	
405791	Hexagon bolt - DIN 931 / 8.8 M10 x 50 - galvanised		Shear bolt for drive shaft	

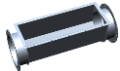
Art. no.	Article designation	Image	Description	Price
① Drive				
476153	Planetary gear box 2.0 For Rondomat 2.0 and MultiMix		XHG06.51000.00 Oil - CLP220 (30 l)	
Screws for attaching the extractor blade:			<i>(All set items also available individually)</i>	
538912	Hexagon bolt - DIN 931	15	M16 x 60 - A2	
482636	Hexagon bolt - DIN 933 / A2 70	12	M16 x 80 - A2	
438099	Flat washer without bevel - DIN 125 A	42	D 17 mm - V2A	
476180	Hexagon nut - DIN 934	12	M16 - V2A	

3.2 Vertical mixing auger

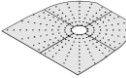
Art. no.	Article designation	Image	Description	Price
② Vertical mixing auger				
488703	Vertical mixing auger for MultiMix – right-hand thread		D 2180 mm, flange: 30 mm, thickness: 12 mm steel, clearance sale only	
480301	Vertical mixing auger for MultiMix – right-hand thread		D 2180 mm, flange height 509 mm from bottom Stainless steel	
498644	Vertical mixing auger for MultiMix – left-hand thread		D 2180 mm, flange height 509 mm from bottom Stainless steel	
483807	Vertical mixing auger for Siloking – right-hand thread		For old Mayer Siloking gearbox / flange height 320 mm Stainless steel	
518473	Vertical mixing auger for Siloking – left-hand thread		For old Mayer Siloking gearbox / flange height 320 mm Stainless steel	
Fastening screws: <i>(All set items also available individually)</i>				
538912	Hexagon bolt - DIN 931	15	M 16 x 60 - A2	
438099	Flat washer without bevel - DIN 125 A	42	D 17 mm - V2A	
486510	Blade set for MultiMix		Incl. blade reinforcement and mounting kit	
455989	Blade 8 mm / uncoated			
567597	Blade extension / curved / MBG		For mixing blade / MultiMix / LEFT / RIGHT	
458321	Discharge angle for blade 40 mm incl. screws		Stainless steel (screws M12 x 30)	

Art. no.	Article designation	Image	Description	Price
② Vertical mixing auger				
Adapter for Mayer Siloking vertical mixing auger to 2.0 gearbox				
537125	Adapter for Rondomat gearbox / S235 JR / MBG		Mayer Siloking to 2.0 gearbox / Ø 314 mm	
456318	Spacer ring MultiMix / Rondomat		Ø 280 x Ø 350 x 6 mm / Gearbox 2.0 3 pcs required	
571162	Adapter for Rondomat gearbox / complete / MBG		From 2.0 flange to 1.0 gearbox	
Included in the set: <i>(All set items also available individually)</i>				
497215	Adapter for Rondomat gearbox / loose	1	From 2.0 flange to 1.0 gearbox	
438099	Flat washer without bevel - DIN 125 A	27	D 17 mm - V2A	
438103	Hexagon bolt - DIN 933 / Niro-A 2 M	15	M16 x 50	
538912	Hexagon bolt - DIN 931	12	M16 x 60 - A2	

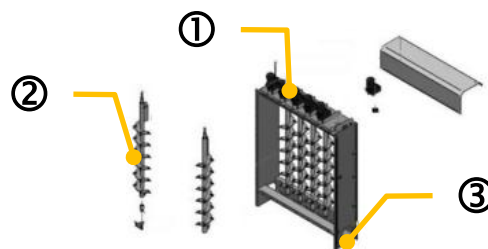
3.3 Discharge opening

Art. no.	Article designation	Image	Description	Price
③ Discharge opening				
555954	Support spindle for discharge gate / painted		Square / 660 mm stroke	
512012	Hydraulic cylinder DA / painted		60/35/600 / eye Ø 20 mm / bushing Ø 20 mm	
521260	Gate flap for MultiMix / V2A			
443386	Transfer hopper / MultiMix / V2A		Auger / biogas	
483026	Adapter unit 45° for MultiMix / V2A			
443385	Trough / MultiMix / V2A		1472 mm / auger / biogas	
527389	Transfer hopper / V2A		Wangen pump / MultiMix	
463592	Isolating buffer / Rondomat		Transfer hopper Wangen / 1500 x 500 mm	
555198	Auger casing tube / adapter / Premix / painted		Ø456 x 220 / bolt circle Ø 550 – Ø 500 mm	
514722	Isolating buffer - rubber compensator / steel		ELAFLEX type ERV-CR, 600 x 550 x 6 x 18 mm / L = 200 mm	

3.4 Container

Art. no.	Article designation	Image	Description	Price
④ Container				
556476	Attachment / wide / MEGA / V2A / painted		H = 1000 / 1140 mm / W = 2850 mm / MultiMix attachment	
458626	Floor lining MultiMix 2.38 mm / V2A		Container lining 2380 mm	
458627	Wall lining MultiMix 2.38 mm / V2A		Container lining 2380 mm	
455789	Base plate 1 for MultiMix 2.85 m		Container lining 2850 mm	
422790	Base plate 2 for MultiMix 2.85 m		Container lining 2850 mm	
460419	Side plate 1 for MultiMix 2.85 m / RIGHT		Container lining 2850 mm	
455791	Side plate 1 for MultiMix 2.85 m / LEFT		Container lining 2850 mm	
455792	Side plate 2 for MultiMix 2.85 m		Container lining 2850 mm	

4. Duplex



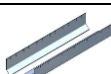
4.1 Drive

Art. no.	Article designation	Image	Description	Price
① Drive				
507928	Shaft-mounted gear motor SK3282 AG / IE1		2.4 kW / 22 rpm / Ø 40 mm - hollow shaft	
507930	Shaft-mounted gear motor SK3282 AG / IE1		3.3 kW / 44 rpm / Ø 40 mm - hollow shaft	

4.2 Augers

Art. no.	Article designation	Image	Description	Price
② Augers				
For all augers and auger flights, the designation "right/left" denotes a right/left-hand thread and NOT clockwise/anti-clockwise rotation!				
440463	Dosing auger RIGHT without flat steel		Without flat steel – D 380/I-140 / pitch 380 / L = 2.38 m Carbide metal / V2A	
440464	Dosing auger LEFT without flat steel		Without flat steel – D 380/I-140 / pitch 380 / L = 2.38 m Carbide metal / V2A	
455910	Mega dosing auger RIGHT without flat steel (from Biomat 74)		Without flat steel – D 380/I-140 / pitch 380 / L = 3.35 m Carbide metal / V2A	
455909	Mega dosing auger LEFT without flat steel (from Biomat 74)		Without flat steel – D 380/I-140 / pitch 380 / L = 3.35 m Carbide metal / V2A	
453844	Flange bearing / MBG		UCF 210 / 4-hole incl. screws	
443325	Ripping tool / dosing auger / V2A / MBG		Incl. screw M10 x 30 + lock nut 14 pcs per auger / 20 pcs per MEGA auger	
441291	Knife blade / steel		Incl. screw, nut and washer 14 blades per auger	
468332	Blade for duplex / complete		For auger, incl. mounting materials 8 pcs per auger / 12 pcs per MEGA auger	

4.3 Tank

Art. no.	Article designation	Image	Description	Price
③ Tank				
441840	Duplex dosing tank 2.38		2.38 stainless steel	
440879	Duplex dosing tank		2.85 stainless steel	
443183	Duplex dosing tank		2.85 Mega stainless steel	
439542	Rear panel duplex dosing / TOP		2.85 steel	
439223	Rear panel for duplex dosing / BOTTOM		3 mm, S235JR	
441846	Dosing deflector / V2A		2.85 / biogas	
456162	Trough lining / VA		For duplex dosing	
440329	Duplex hinge		rear panel	
473411	Screw-on bracket for duplex dosing / V2A		Complete incl. roller bearings and screws. Hole spacing 190 mm, complete	
454267	Screw-on bracket for duplex dosing / V2A		Bracket only. No roller bearings or screws. Hole spacing 190 mm	
457744	Adapter plate for screw-on bracket		Hole spacing 280 mm, old version	

5. Weighing system and accessories

5.1 Analogue weighing cells

Art. no.	Article designation	Image	Description	Price
Analogue weighing cells				
451071	Weighing sensor/cell analogue with 900 mm cable w. abrasion protection		5-pin connector / CT10 KTC-5P CONN	
438648	Weighing sensor/cell analogue with 900 mm cable w. abrasion protection		5-pin connector / CT30 KTC-5P CONN	
452613	Analogue weighing sensor/cell		CT30 KTC-30/0.25% 13:6T	
532588	Analogue weighing sensor/cell		5-pin connector / CT30 KTC-5P CONN	
509830	Weighing system distributor, sensor/actuator box / Green junction box		SACB-8/16-C SCO / revised article	
484425	Weighing system distributor		WVT3 inverse / 5-pin	
456531	DigiScale measuring amplifier 10 - 1.0		7.0 - 37.0 V / complete with M12 cable	
458574	DigiScale measuring amplifier 30 - 1.2		7.0 - 37.0 V / complete with M12 cable	

5.2 Digital weighing cells

Art. no.	Article designation	Image	Description	Price
Digital weighing cells				
456093	Digital weighing sensor/cell, RS485 type D50 -5t		Voltage 8.5 - 38 V Please always specify the address!	
457047	Digital weighing sensor/cell, RS485 type D75 -7.5t		Voltage 8.5 - 38 V Please always specify the address!	
456092	Digital weighing sensor/cell, RS485 type D150 -15t		Voltage 8.5 - 38 V Please specify art. number with the desired address below!	
547794	Digital weighing sensor/cell, RS485 D150-15t, 8.5 - 38 V		T-connector M12 / without abrasion protection, address 1	
547795	Digital weighing sensor/cell, RS485 D150-15t, 8.5 - 38 V		T-connector M12 / without abrasion protection, address 2	
547796	Digital weighing sensor/cell, RS485 D150-15t, 8.5 - 38 V		T-connector M12 / without abrasion protection, address 3	
547797	Digital weighing sensor/cell, RS485 D150-15t, 8.5 - 38 V		T-connector M12 / without abrasion protection, address 4	
547798	Digital weighing sensor/cell, RS485 D150-15t, 8.5 - 38 V		T-connector M12 / without abrasion protection, address 5	
547799	Digital weighing sensor/cell, RS485 D150-15t, 8.5 - 38 V		T-connector M12 / without abrasion protection, address 6	
547800	Digital weighing sensor/cell, RS485 D150-15t, 8.5 - 38 V		T-connector M12 / without abrasion protection, address 7	
547801	Digital weighing sensor/cell, RS485 D150-15t, 8.5 - 38 V		T-connector M12 / without abrasion protection, address 8	

5.3 Weighing foot and supporting foot

Art. no.	Article designation	Image	Description	Price
Weighing foot / supporting foot				
565517	MBG / weighing foot / PolyPro without weighing cell		H = 450 mm / without intermediate piece	
564106	MBG / weighing foot / PolyPro + MultiMix attachment without weighing cell		H = 554 mm / with intermediate piece 100	
530663	MBG thread unit for weighing foot		M30 x 250, galvanised steel	
557251	SBG / plate / holes / M30 / painted		160 x 160 x 12 mm / without centre hole	
571930	Weighing cage without weighing cell		For weighing system	
565511	SBG / intermediate piece / weighing system / painted		H = 100 mm	
Year of construction starting from 2023				
573017	Earth cable		350 mm / weighing foot / PolyPro	
573136	Earth cable		200 mm / weighing foot / PolyPro	
470133	Steel cable Ø 8 mm, total / for PolyPro 1850 mm		Incl. tensioner, shackle, thimble, clamps, nuts	

5.4 Cables for analogue weighing cells & large displays

Art. no.	Article designation	Image	Description	Price
Cables for analogue weighing cells and large displays (green connectors)				
452568	Sensor cable with abrasion protection		M12 plug - M12 socket, 5-pin / 2.5 m	
455931	Sensor cable with abrasion protection		M12 plug - M12 socket, 5-pin / 3 m	
452569	Sensor cable with abrasion protection		M12 plug - M12 socket, 5-pin / 3.5 m	
455934	Sensor cable with abrasion protection		M12 plug - M12 socket, 5-pin / 5 m	
455936	Sensor cable with abrasion protection		M12 plug - M12 socket, 5-pin / 8 m	
455109	Sensor cable with abrasion protection		M12 plug - M12 socket, 5-pin / 10 m	
456139	Sensor cable with abrasion protection		M12 plug - M12 socket, 5-pin / 15 m	
465765	Sensor cable with abrasion protection		M12 plug - M12 socket, 5-pin / 20 m	
452590	Sensor cable with abrasion protection		M12 90° socket - M12 plug, 5-pin / 4.5 m	
539853	M12 90° angle piece, 5-pin		Plug / socket	

5.5 Cables for digital load cells & DigiScale

Art. no.	Article designation	Image	Description	Price
Cables for digital load cells and DigiScale (blue connectors)				
493175	CAN bus cable (blue) with abrasion protection		M12 - 0.6 m / for agricultural scales / 2015	
441919	CAN bus cable (blue)		M12 plug / M12 socket, 2 m	
451308	CAN bus cable (blue)		M12 plug / M12 socket, 3 m	
441920	CAN bus cable (blue)		M12 plug / M12 socket, 4 m	
451309	CAN bus cable (blue)		M12 plug / M12 socket, 5 m	
441921	CAN bus cable (blue)		M12 plug / M12 socket, 6 m	
441922	CAN bus cable (blue)		M12 plug / M12 socket, 10 m	
454570	CAN bus cable (blue)		M12 plug / M12 socket, 50 m	
452774	CAN bus T-distributor		1x M12 plug, 2x M12 socket, 5-pin	
452777	Terminating resistor / CAN bus terminator		M12 - m - 5-pin - 120 Ohm	
539853	M12 90° angle piece, 5-pin		Plug / socket	

6. Control cabinet

6.1 Control cabinets

Art. no.	Article designation	Image	Description	Price
Control cabinets				
532975	Control cabinet, complete		Biomat SE V2 with radio remote / without TCI and without large display	
<i>Depending on customer need for TCI and large display, the following parts are required:</i> Art. no. 497013, 504515, 572208, 451896, 503841, 528158, 456218				
517063	Control cabinet, complete, Rondomat 3.0		Solo Rondomat without radio remote / without TCI and without large display	
<i>Depending on customer need for TCI and additional display, the following parts are required:</i> Art. no. 497013, 504515, 572208, 451896, 503841, 528158, 455106				
Required for all control cabinet conversions. For the standard software and individual INI files:				
554136	Importing customer data to control cabinet / PLC		Instructions for backing up the INI file are available at: https://support.fliegl.com/p/Dosiertechik/Dosiertechik_Software/Dosiertechik_Software_Datensicherung_Einstellungen/	
455949	Stand for control cabinet		Without roof	

6.2 Frequency inverters & accessories

Art. no.	Article designation	Image	Description	Price
Control cabinet components - frequency inverters and accessories				
For use with DC 1005 controller				
474310	Frequency inverter (Inverter Drives) 8400 / 11.0 kW for Rondomat with DC 1005 controller		E84AVSCE1134SX0 without keypad, without memory module	
457650	Frequency inverter 22 kW for MultiMix with DC 1005 controller		Lenze Inverter Drives 8400 Stateline without keypad, without memory module	
455057	Keypad X400		For Lenze frequency inverters	
464237	Memory module 8400 / EEPROM		E84AYM10S/M / pack of 5 pcs	
For use with EC 1000 controller				
493209	Power unit 11 kW / 15HP for Rondomat with EC 1000 controller		I5DAE311F10010000S, single, without diagnostic module, control unit and safety module	
507184	Inverter complete (22 kW) for MultiMix with EC 1000 control		Lenze i550-C22/400-3 - I55AE322F1AV10002S including control unit and safety module	
492663	Diagnostic module keypad for Lenze FI		I5MADK0000000S	
503091	Control unit, CANopen		I5CA5C020000VA0000S	
492661	i500 safety module		I5MASAV000000S	
458785	Siemens soft starter 11 kW / 400 V / 25 A		3RW4026-1BB04	

6.3 Control unit

Art. no.	Article designation	Image	Description	Price
Control cabinet components - control unit				
441043	Power base 32A / TeSys U / with screw terminals		LUB32	
442337	Control unit / class 10 / 24 V DC <i>for Rondomat</i>		15 kW / 8 - 32 A / LUCB32BL	
441044	Control unit / Schneider <i>for hydraulics and augers</i>		7.5 kW / 4.5 - 18 A / LUCB18BL	
441040	Schneider auxiliary contact		LUA1C11	
441042	Schneider motor load indicator		LUFV2	
440984	Power supply		STEP-PS/1AC/24DC/4.2	
452665	Power supply		STEP-PS/1AC/12DC/5	
485678	AC power supply, switching power supply		CP M SNT / 120 W / 5 A	
458208	AC power supply – PSU		CP M SNT / 250 W / 24 V / 10 A	

6.4 Safety components (relays & overvoltage)

Art. no.	Article designation	Image	Description	Price
Control cabinet components – relays, overvoltage				
458482	Plug-in miniature relay		REL-MR-24DC/21AU	
457622	PLC relay module with screw connection		PLC-RSC-24DC/21AU - 2966265	
457621	Feed-through terminal - PLC-VT/LA		2296854	
468067	Surge voltage arrester		VSSC6 RS485 / VPE 10	
468194	Surge protection device		VSSC6SL LD 12 V DC 0.5 A	
468195	Dummy cover for surge protector		AP VSSC6	
561192	Safety relay emergency stop 24 VAC/DC		4S 2Ö / 1 function / 1 circuit PLe/Cat4/SIL3 / XPSBAC14AP	
457120	Safety module emergency stop 230 VAC		3 relays + 1 transistor / removable / XPSAC3721P	
454349	Schneider safety relay		XPS AR311144 without connector / KAT4 24 V AC/DC	
440208	Safety relay		PSR-ESAM4	
458346	Fuse		GZ 10.0A	
458345	Fuse		GZ 5.0A	
458344	Fuse		GZ 2.0A	

6.5 Components

Art. no.	Article designation	Image	Description	Price
Control cabinet components – parts				
459128	Filter fan 900106		230 V - 67/79 m³/h	
569799	Control cabinet heater 30 W / 120 - 240 AC/DC		Type: HGK 047	
459125	NCC for temperature controller - heating		with snap-on mounting for DIN rail	
455920	Moeller reversing switch		T0-3-8401/IVS	
439241	Moeller reversing switch		T0-3-8401/11 / switching current (max. 20 A)	
530694	Holder / S235 JR		for reversing switch 439241	
439733	Telemecanique contact block		ZB5AZ103	
451240	Telemecanique selector switch, 2 positions, latching		XB5AD21 1 NOC	

6.6 Replacement terminals for DUPLEX systems (old systems)

Art. no.	Article designation	Image	Description	Price
Control cabinet components – replacement terminals for DUPLEX systems (old systems)				
Clearance sale only, while stocks last, no support				
441308	Inline distance terminal, complete with accessories		IB IL DOR LV-SET-PAC	
440981	Inline terminal with 2 analogue inputs		IB IL AI 2/SF-ME	
441377	Inline terminal for power distribution, 24V		IB IL PD 24V-PAC	
441378	Inline terminal for power distribution, GND		IB IL PD GND-PAC	
440979	Inline terminal with 8 digital outputs		IB IL 24 DO 8-PAC	
441310	Inline terminal with 4 digital outputs		24 V DC, 500 mA / IB IL 24 DO 4-ME	
456834	Inline power terminal, complete with accessories		IB IL 24 PWR IN/2-F-D-PAC	
441376	Inline terminal with 32 digital inputs		IB IL 24 DI 32/HD-PAC	
440977	CANopen - bus coupler 24 V DC		IL CAN BK-TC-PAC	
502048	CANopen - bus coupler 24 V DC		IL CO BK-PAC	

6.7 Weighing electronics (old systems)

Art. no.	Article designation	Image	Description	Price
Control cabinet components - weighing electronics for old systems				
Clearance sale <i>without software</i> only, while stocks last, no support				
497433	Weighing electronics R420-K401-A		Indicator, ABS, VDC, panel mount	

7. Control

7.1 Version DC 1005

Art. no.	Article designation	Image	Description	Price
Controller - DC 1005				
Clearance sale only, while stocks last				
451286	Biomat - device		DC1005M T MP266 00 1131 CLEAN	
462663	Biomat - device with Profibus card		DC1005M T MP266 1131 CLEAN	
516882	PLC for Rondomat (green connectors)		DC1005T T MP266 00 1131 SC CLEAN	
558854	Rondomat - device / black connector		DC1005M T MP266 00 1131 CLEAN A2XR01	
455117	Rondomat - device / black connector		DC1005M T MP266 00 1131 CLEAN A2XR01 A3XR02	
456219	Rondomat - device / black connector with Profibus		DC1005M T MP266 00 1131 PA CLEAN A2XR01 A3XR02	
462664	Rondomat - device with analogue output		CD1005M T MP266 00 1131 CLEAN	
462665	Rondomat - device with relay output		CD1005M T MP266 00 1131 CLEAN	
Required for all DC 1005. For the standard software and individual INI files:				
540962	Importing customer data into the touch panel		Instructions for backing up the INI file are available at: https://support.fliegl.com/p/Dosierttechnik/Dosierttechnik_Software/Dosierttechnik_Software_Datensicherung_Einstellungen/	

Art. no.	Article designation	Image	Description	Price
Controller - DC 1005				
Clearance sale only, while stocks last				
451587	Profibus card			
536555	Plug-in card for dialog controller		DC EXP. XS 12/8/4-CSC	
463708	Expansion card		16 + 8 inputs / DCXR01	
463709	Expansion card		8 inputs / DCXR02	
464735	SD card		1GB / industrial / KS1GRT-806 Cactus	
548673	Cell battery		CR 1620 / 3V, for Berghof touch panel DC1000 & 1005	
526882	PCB connector, 2-pin		MSTB 2.5/ 2-ST-5.08 - 1757019	

7.2 Version EC 1000

Art. no.	Article designation	Image	Description	Price
Controller - EC 1000				
497013	HMI touch panel 7.0" / TFT KIT TCI		G07T-XS-RT / 800x480 pixels	
504515	Protective enclosure for G07T case		Silicone	
572208	MBG support arm for monitor		Replaces articles 440929, 468911, 440927, 523990	
451896	Patch cable RJ45 CAT6		3.00 m / blue / S216048	
503841	Cable protection for LAN cable		G07T-IP68-LAN	
528158	Panel socket RJ45S-WF08STSP Finecables		RJ45 female panel mount (CAT5)	
502928	Communication module (PLC 1)		EC-COM2	
502927	Controller (PLC 2)		EC-1000 V2.3	
502930	Universal IO module (PLC 3)		E-I/O XR01 (8x DigIN/ 8x DigIN - 4 counters / 4x AnIO / 4 AnIN)	
502929	Universal IO module (PLC 4)		E-I/O XR02 (4 counter / 4 encoder / 8 inputs/outputs)	
464736	SD card		1GB / industrial biogas / with software	
Required for all DC 1005. For the standard software and individual INI files:				
540962	Importing customer data into the EC 1000		Instructions for backing up the INI file are available at: https://support.fliegl.com/p/Dosiertechnik/Dosiertechnik_Software/Dosiertechnik_Software_Datensicherung_Einstellungen/	

7.3 Version with Möller PLC (old systems)

Art. no.	Article designation	Image	Description	Price
Controller - Möller PLC				
Clearance sale only, while stocks last				
433482	EASY PLC / control relay		EASY719-AC-RC 230 V	
437250	Moeller EASY PLC		618-DC-RE	

8. Additional equipment

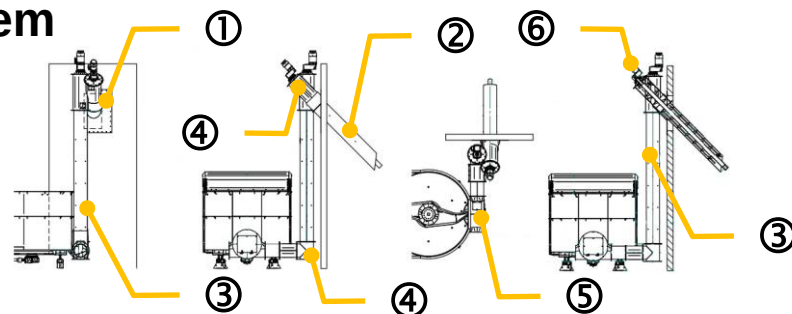
8.1 Large displays

Art. no.	Article designation	Image	Description	Price
Large displays				
437796	Display with 60mm numbers, 5-digit		Dinamica Generalli	
455106	Additional display, 6-digit		Weighing device / biogas	
456218	Large display for radio remote control		DigiTouch / 84 digits - 128*32 pixels	
571497	Mount for large display / MBG		Biogas	
Connection cables for the large displays can be found under connection cables for analogue load cells!				

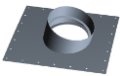
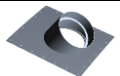
8.2 Remote control

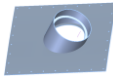
Art. no.	Article designation	Image	Description	Price
Remote control				
570480	Complete radio system / MBG		With attachments / antenna / adapter	
456330	Handheld transmitter		TXZ-12-D4A / 12 buttons	
570513	Integrated battery for Zephyr TXZ-12-D4A		1950 mA, ZA-LIO-1950	
456333	Charger, cigarette lighter adapter		Cable length 1.5 m / with DC connector	
451152	Handheld transmitter MAXI system T60		3 buttons, 1-stage	
456332	Membrane keypad for handheld transmitter		Maxi system T60	
451154	Receiver T60		With RS 232 SUBD	
458193	High-flex antenna incl. angle adapter		1/4-433K2 magnet / 2.5m cable & FME connector	

9. Conveyor system



9.1 Fermenter flange

Art. no.	Article designation	Image	Description	Price
① Fermenter flange				
570255	Opening flange 15° pipe-in-pipe / V2A / MBG		1200 x 1000 mm / with fastening material	
Included in the set: <i>(All set items also available individually)</i>				
513740	Opening flange 15° pipe-in-pipe / V2A	1	1200 x 1000 mm	
437073	Heavy-duty anchor	40		
433488	Sikaflex	3 pack		
414224	Cellular rubber strips	6		
457386	Link seal	1		
570273	Opening flange 30° pipe-in-pipe / V2A / MBG		1200 x 1000 mm / with fastening material	
Included in the set: <i>(All set items also available individually)</i>				
456687	Opening flange 30° pipe-in-pipe / V2A	1	1200 x 1000 mm	
437073	Heavy-duty anchor	40		
433488	Sikaflex	3 pack		
414224	Cellular rubber strips	6		
457386	Link seal	1		

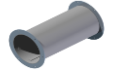
Art. no.	Article designation	Image	Description	Price
① Fermenter flange				
570407	Opening flange 30° pipe-in-pipe / V2A / MBG		1480 x 1250 mm / with fastening material	
Included in the set: <i>(All set items also available individually)</i>				
457709	Opening flange 30° pipe-in-pipe / V2A	1	1480 x 1250 mm	
437073	Heavy-duty anchor	40		
433488	Sikaflex	3 pack		
414224	Cellular rubber strips	6		
457386	Link seal	1		
570408	Opening flange 45° pipe-in-pipe / V2A / MBG		1480 x 1250 mm / with fastening material	
Included in the set: <i>(All set items also available individually)</i>				
455284	Opening flange 45° pipe-in-pipe / V2A	1	1200 x 1000	
437073	Heavy-duty anchor	40		
433488	Sikaflex	3 pack		
414224	Cellular rubber strips	6		
457386	Link seal	1		
570409	Bottom flange / complete / V2A / MBG		74° bottom feed / with fastening material	
Included in the set: <i>(All set items also available individually)</i>				
456687	Bottom flange / MBG / V2A	1	74° bottom feed with pipe with rubber	
437073	Heavy-duty anchor	40		
433488	Sikaflex	3 pack		
414224	Cellular rubber strips	6		

Art. no.	Article designation	Image	Description	Price
① Fermenter flange				
570410	Bottom flange / complete / V2A / MBG		90° bottom feed / with fastening material	
Included in the set:		(All set items also available individually)		
536126	Bottom flange / MBG / V2A	1	90° bottom feed with pipe with rubber	
437073	Heavy-duty anchor	40		
433488	Sikaflex	3 pack		
414224	Cellular rubber strips	6		
439557	Opening flange 45° / V2A		1250 x 1480 mm / Ø 465 mm	
459366	Opening flange 30° / special size		1480 x 1250 mm / use only for spare parts	
454734	Opening flange 30° / standard		1200 x 1000 mm	
455807	Half-moon for opening flange		version Adi, 1.4301	

9.2 Feeder auger and feed pipe

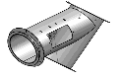
Art. no.	Article designation	Image	Description	Price
② Feeder auger / feed pipe				
562351	Feeder auger with plastic flight / V2A for 45° transfer joint		Ø 380 x 4200 mm / shaft Ø 40 mm / flange 20 mm / AG / OLD	
459888	Feeder auger with plastic flight / V2A for 45° transfer joint		Ø 380 x 4200 mm / shaft Ø 40 mm / flange 10 mm / AG / NEW	
532789	Feeder auger with plastic flight / V2A for 45° transfer joint		Ø 380 x 4200 mm / shaft Ø 50 mm / flange 10 mm / AG / NEW	
568376	Feeder auger with plastic flight / V2A for cube joint		Ø 320 - Ø380 x 3580 mm / shaft Ø 40 mm / flange 25 mm / AG/ OLD	
462403	Feeder auger with plastic flight / V2A for cube joint		Ø 320 - Ø 380 x 3580 mm / shaft Ø 40 mm / flange 10 mm / AF/ NEW	
463291	Feeder auger with plastic flight / V2A		Ø 380 x 5200 mm / shaft Ø 40 mm / flange 10 mm / AF / NEW	
566334	Feeder auger with plastic flight / V2A		Ø 380 x 5200 mm / shaft Ø 50 mm / flange 10 mm / AF / NEW	
Replacement of the following is recommended when changing the auger:				
455115	PE washer for auger, V2A	1x	Ø 140 x Ø 330 x 15 mm	
533691	PE washer for auger, steel	1x	Ø 115 x Ø 330 x 15 mm	
555844	Feed pipe, top feed 30° / 45° / 90° / V2A		2900 mm / painted	

9.3 Augers & casing tube

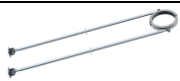
Art. no.	Article designation	Image	Description	Price
③ Augers / casing tube				
442452	Auger with core pipe Ø 380 mm / 1.4301		Price per metre	
451238	Auger casing tube Ø 456 mm / 1.4301		Price per metre	
440584	Auger-flight - right-hand thread / 1.4301		D 380 / I-140 / pitch 380 - thickness: 12 mm Standard length: 3 m / price per metre	
441149	Auger-flight - left-hand thread / 1.4301		D 380 / I-140 / pitch 380 - thickness: 12 mm Standard length: 3 m / price per metre	
443815	Core pipe for auger flight Round pipe VA / 1.4301		Ø 139.7 x 6.3 x 1000 mm	
487193	Core pipe for auger flight Round pipe VA / 1.4301		Ø 139.7 x 6.3 x 6000 mm	
455112	Shaft with adapter / SBG Ø 40 mm - hollow shaft		Ø 40 x Ø 80 x Ø 127.7 x 445 mm / auger V2A	
511912	Shaft with adapter / SBG Ø 50 mm - hollow shaft		Ø 50 x Ø 80 x Ø 127.7 x 460 mm / auger V2A	
510844	Shaft with adapter / SBG Ø 60 mm - hollow shaft		Ø 60 x Ø 80 x Ø 127.7 x 494 mm / auger V2A	

Art. no.	Article designation	Image	Description	Price
③ Augers / casing tube				
461477	Shaft guard for shaft stub		L = 120 mm	
482259	Key - DIN 6885 A		12 x 8 x 160 mm - steel	
490916	Key - DIN 6885 A		18 x 11 x 160 mm - steel	
530241	Adapter bushing / 42CrMo4		Ø 40 x Ø 60 x 180 mm	
442981	Shear blank, ext. Ø 330 mm / int. Ø 140 mm		Biogas / 1.4301	
460561	Flat steel / support / V2A for trough auger		Ø 380 x Ø 396 x 540 mm	
467351	MBG plastic flight		for feeder auger	
487939	Bushing / auger / V2A		Ø = 100 mm / H = 156 mm	
515677	Pipe flange for isolating buffer with screws		Ø 462 x Ø 600 x 12 mm	
440886	Blank, ext. Ø 600 mm / int. Ø 462 mm		Biogas / 1.4301	
490587	Blank, ext. Ø 600 mm / int. Ø 470 mm		Biogas / 1.4301	
433800	Blank, ext. Ø 532 mm / int. Ø 462 mm		Biogas / 1.4301	

9.4 Transfer joints

Art. no.	Article designation	Image	Description	Price
④ Transfer joints				
440923	Transfer joint 45°, pipe-in-pipe / V2A		1236 mm / RIGHT	
440889	Transfer joint 45°, pipe-in-pipe / LEFT / V2A		1236 mm / LEFT	
440832	Plug joint 45° / Ø 456mm/ 1.4301		Incl. inspection flap + screws	
440898	Cube joint / 1.4301 / V2A		612 mm / incl. inspection flap + screws	
456188	45° node for biogas (stainless steel)		Incl. inspection flap + screws	
442386	Parallel joint, biogas		V2A	
456543	90° plug joint, without bearing		VA, with PE half-shell, incl. screws	
456934	Large half-shell, for plug joint		Without bearing	
498057	Trough lining PE1000 for half-shell 580		20 x 570 x 737.8 mm, 4 x bending grooves, incl. beater bars	
462313	Discharge hopper, open transfer / 500 mm		Stainless steel	
525374	Discharge hopper, open transfer / 700 mm / MBG		With inspection flap Replacement for art. no. 499797	

9.5 Bearing & holder & cover

Art. no.	Article designation	Image	Description	Price
⑤ Bearing / holder / cover				
473928	Flange bearing, complete		NAFC 216 TRL incl. collet / 245 x 245 x 75 mm	
409707	UCP 212 pedestal bearing		UCP 212	
570411	Roller bearing Ø 95 mm / complete / MBG		With fastening material	
Included in the set: <i>(All set items also available individually)</i>				
508775	Polyurethane roller bearing Ø 95 mm / LOOSE	1	Without screw	
462448	Flat washer without bevel - DIN 125 A	3	D 31 mm - A2	
483637	Washer D 90/31 VA	2	For flange cover	
451837	Hexagon bolt - DIN 931 / A2 70	1	M30 x 200 - A2	
455788	Lock nut - DIN 985	1	M30 - A2	
465856	Hexagonal nut - DIN 934 / 8	1	M30 - A2	
487939	Bushing / auger / V2A		Ø = 100 mm / H = 156 mm	
516124	Holder for inclined screw conveyor / casing tube		With upper link	

Art. no.	Article designation	Image	Description	Price
⑤ Bearing / holder / cover				
551052	Flange cover / V2A / drop guard / MBG		Auger Ø 380 mm / flange 300 / Ø 40 / Ø 50 mm	
551020	Bushing / EPDM / 40-50 Shore		Ø 29 x Ø 60 mm / L = 20 mm	
552075	Washer / galvanised		Ø 14 x Ø 65 mm / d = 5 mm	
571438	Flange cover with support / MBG		90° / 1.4301	
Included in the set: <i>(All set items also available individually)</i>				
492425	Flange cover / centric	1	With 90° support / 1.4301	
508775	Polyurethane roller bearing Ø 95 mm / LOOSE	1	Without screw	
483637	Washer D90/31 VA	1	For flange cover	
462448	Flat washer without bevel - DIN 125 A	1	D 31 mm - A2	
451228	Hexagon bolt - DIN 933 / Niro-A 2 M	1	M10 x 50	
440457	Lock nut - DIN 985 / 8.8	1	M10 - A2	
531151	Screw-on flange / V2A		For parallel joint	
495609	Cover for plug joint		Old version / stainless steel	
455110	Holder for plug joint		Old version / Ø 457 mm stainless steel	

Art. no.	Article designation	Image	Description	Price
⑤ Bearing / holder / cover				
454300	Dummy flange / V2A		8" - hole spacing 180 mm / 220 x 220 mm / d = 6 mm	
417953	Flange seal NR/SBR		192 mm - hole spacing 180 / d = 5 mm / 2 inserts / Shore 70	
547542	Flange seal NR/SBR		Ø 192 mm - hole spacing 180 / d = 5 mm / without inserts / Shore 50	
575313	MBG plastic hinge		78 x 48 mm, complete with screws and nuts	
533064	Plastic hinge, 78 x 48 mm		For covers and doors. e.g. art. no. 461923, 533114, 537403, 549309, 552796, 560457	
537521	Plate / hinge / V2A		48 x 30 x 6 mm / transfer hopper	
545215	Plate / hinge / V2A		48 x 30 x 4 mm / plug joint	
537516	Flap / hinge / V2A		670 x 570 x 4 mm / transfer joint	

9.6 Drive

Art. no.	Article designation	Image	Description	Price
⑥ Drive				
AG motors (with rubber buffer)				
507928	Shaft-mounted gear motor SK3282 AG / IE1		2.4 kW / 22 rpm / Ø 40 mm - hollow shaft	
507930	Shaft-mounted gear motor SK3282 AG / IE1		3.3 kW / 44 rpm / Ø 40 mm - hollow shaft	
507932	Shaft-mounted gear motor SK4282 AG / IE1 with temperature sensor		2.4 kW / 16 rpm / 100L/4, 90, 52, / Ø 40 mm - hollow shaft	
507939	Shaft-mounted gear motor SK5282 AG / IE1 with temperature sensor		2.4 kW / 11 rpm / 91, 81 / Ø 60 mm - hollow shaft	
507940	Shaft-mounted gear motor SK4282 AG / IE1		6.1 kW / 38 rpm / Ø 40 mm - hollow shaft	
507941	Shaft-mounted gear motor SK5282 AG / IE1		6.1 kW / 26 rpm / Ø 60 mm - hollow shaft	
507942	Shaft-mounted gear motor SK5282 AG / IE1		8.3 kW / 43 rpm / Ø 60 mm - hollow shaft	
491067	Shaft-mounted gear motor SK3282 AG / IE2		3.6 kW ATEX / 45 rpm / Ø 40 mm - hollow shaft	
491070	Shaft-mounted gear motor SK4282 AG / 2G-132SH/4 2G TF		5.5 kW ATEX / 38 rpm / Ø 40 mm - hollow shaft	
491069	Shaft-mounted gear motor SK4282 AG / 2G-132SH/4 2G TF RD		5.5 kW ATEX / 45 rpm / Ø 40 mm - hollow shaft	
491071	Shaft-mounted gear motor SK4282 AG / IE2		6.8 kW ATEX / 46 rpm / Ø 40 mm - hollow shaft TF	
491072	Shaft-mounted gear motor SK5282 AG / IE2		6.8 kW ATEX / 44 rpm / Ø 60 mm - hollow shaft TF	

Art. no.	Article designation	Image	Description	Price
⑥ Drive				
AF motors (with flange)				
517899	Shaft-mounted gear motor SK3282 AF / IE1		2.4 kW / 22 rpm / Ø 40 mm - hollow shaft / trough auger Ø 250 mm	
517901	Shaft-mounted gear motor SK3282 AF / IE1		3.3 kW / 44 rpm / Ø 40 mm - hollow shaft / inclined screw conveyor Ø 250 mm	
517902	Shaft-mounted gear motor SK4282 AF / IE1 with temperature sensor		2.4 kW / 16 rpm / 100L/4, 90, 52 / Ø 50 mm - hollow shaft	
517903	Shaft-mounted gear motor SK5282 AF / IE1 with temperature sensor		2.4 kW / 11 rpm / 91.81 / Ø 60 mm - hollow shaft	
517904	Shaft-mounted gear motor SK4282 AF / IE1		6.1 kW / 38 rpm / Ø 50 mm - hollow shaft / trough auger Ø 380 mm- NEW	
517905	Shaft-mounted gear motor SK5282 AF / IE1		6.1 kW / 26 rpm / Ø 50 mm - hollow shaft	
517906	Shaft-mounted gear motor SK5282 AF / IE1		8.3 kW / 43 rpm / Ø 60 mm - hollow shaft	
517907	Shaft-mounted gear motor SK3282 AF / IE2		3.6 kW ATEX / 45 rpm / Ø 40 mm - hollow shaft / feeder auger / top feed	
517908	Shaft-mounted gear motor SK4282 AF / 2G-132SH/4 2G TF RD		5.5 kW ATEX / 46 rpm / Ø 50 mm - hollow shaft / inclined screw conveyor and feeder auger	
570625	Shaft-mounted gear motor SK4282 AF / 2G-132SH/4 2G TF RD		5.5 kW ATEX / 46 rpm / Ø 40 mm - hollow shaft / inclined screw conveyor and feeder auger	
517910	Shaft-mounted gear motor SK4282 AF / IE2		6.8 kW ATEX / 46 rpm / Ø 40 mm - hollow shaft TF	
517912	Shaft-mounted gear motor SK5282 AF / IE2		6.8 kW ATEX / 44 rpm / Ø 50 mm - hollow shaft TF	

Art. no.	Article designation	Image	Description	Price
⑥ Drive				
538195	Torque support / small / M12		For shaft-mounted gear motor SK3282	
538143	Torque support / large / M12		For shaft-mounted gear motor from SK 4282	
472435	Safety cable 980 mm		For gear motor	
472436	Safety cable 1200 mm		For gear motor	



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