



TerraStar® Mixing & Screening Buckets Powerline

TAILORED SOLUTIONS FOR MAXIMUM PRODUCTIVITY

Soil Stabilisation - Soil Remediation
Screening - Separating - Mixing
Crushing... all with just one machine!

The placement of the shaft positions promote a unique rotary movement, generating enormous efficiency especially in wet and cohesive soil.

The shape, material thickness and separation distance of the shafts are provided to your specific requirements.



Powerline TSP184 in action
with output of 110 m³/hour

The patented **shaft coupling** enables easy and fast disassembly and reassembly of the shafts. No bearings or chains need to be disassembled in the process.

TerraStar® buckets range from 1.5 ton to 70 ton excavators and wheeled loaders.

UNMATCHED OUTPUT



QUALITY, RELIABILITY, EXPERIENCE

EXCLUSIVE IRELAND & UK DISTRIBUTOR
OF WOLF TECHNIK PRODUCTS

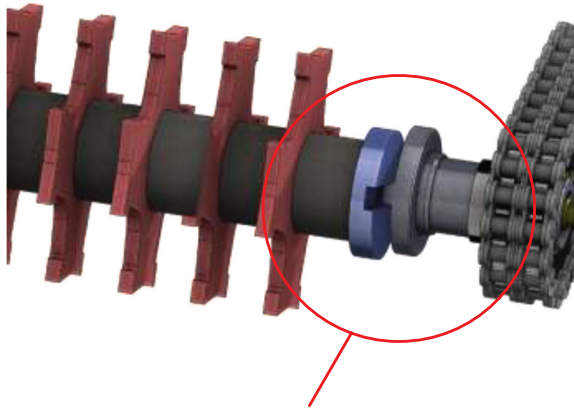


T: +353 (0)1 5654981
E: info@aprdmachinery.com

M: +353 (0)87 6208404
W: www.aprdmachinery.com



BUCKET SHAFT CONFIGURATION



PATENTED SHAFT COUPLING

Patented Shaft Coupling

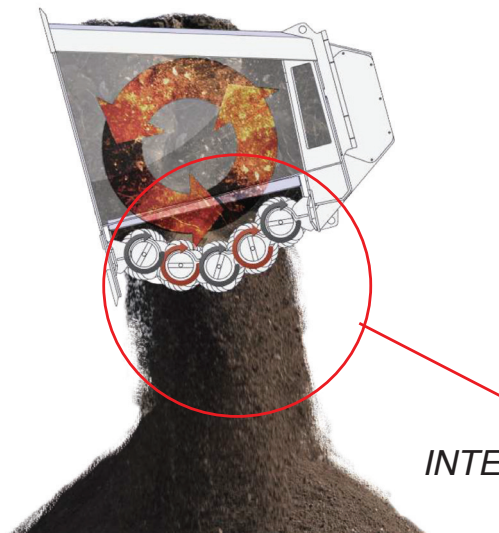
The patented shaft coupling enables the shafts of the blade separators to be removed and converted quickly and easily. No bearings or chains need to be dismantled. Experience has shown that a shaft conversion - including the conversion of the two counter bars on a TerraStar® Powerline - takes about 1 to 1.5 hours. This means that you can buy a shaft kit at or after purchasing a TerraStar® at any time. This enables you to change the machine variably, e.g. from screen shafts to mixing shafts.

Cost reduction while increasing efficiency

As a machine rental company, you only need one basic machine and can configure it with the desired shafts as required by the customer.

All technical advantages at a glance

- Shaft couplings enables the shafts to be easily converted
- High throughput even with wet material
- Low-maintenance drive and bearings
- Easy start-up of screening buckets
- Our arrangement of the shafts to each other increases output
- All types of shafts can be used in every screening bucket



INTERCHANGEABLE
SHAFTS

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BUCKET SHAFT CONFIGURATION

Mixed shafts

For mixing, sieving and aeration of soil and compost, as well as for crushing easily brittle materials. High throughput even with wet soil.

M80X mixing

shaft with mixing blocks
grain size 0 - 60 mm



BS252 mixing

shaft with two contours,
grain size 0 - 40 mm



BS253 mixing

shaft with three contours,
grain size 0 - 40 mm



BS254 mixing

shaft with two contours,
grain size 0 - 40 mm



(Separation distance can be made larger on customer request)

Screen shafts

For sieving off material and backfilling pipe and sewer trenches - where high throughput is required.

Square disc

For sifting soil and earth that are interspersed with fragile materials. With this disc, the material is less shredded



Star disc

For screening and backfilling of pipe and sewer trenches - where high throughput is required, especially in wet and cohesive soil.



Penta disc

For fine screening of free-flowing material and dry earth. The five-contour disc reduces the distance to the next wave and thus leads to a lower proportion of stones in the material to be screened. It is not suitable for wet material. With this disc, the material is less shredded. Also suitable for sieving stony material such as crushed stone, gravel, basalt, etc.



Shafts with cross disks

Suitable for tearing up sod and crushing clay, peat, compost, etc.

We manufacture cross disks with two, three and four contours, linear, spiral or spiral blocks, tailored to the material and intended use



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TERRASTAR® Powerline DATA SHEET

Powerline	TSP.123	TSP.124	TSP.154	TSP.184	TSP.224	TSP.263	TSP.264
EXCAVATOR	17 t	18 t	24 t	32 t	38 t	-	-
WHEELED LOADER	9 t	10 t	13 t	17 t	18 t	16 t	18 t
CUTTING WIDTH	1200 mm	1200 mm	1500 mm	1800 mm	2200 mm	2600 mm	2600 mm
SHAFTS	3	4	4	4	4	3	4
CONTENT	1.20 m ³	1.50 m ³	1.85 m ³	2.20 m ³	3.00 m ³	2.60 m ³	3.10 m ³
THROUGHPUT	43 - 62 m ³ / Std.	52 - 77 m ³ / Std.	64 - 95 m ³ / Std.	78 - 120 m ³ / Std.	100 - 160 m ³ / Std.		
OPENING	(H) 790 mm (W) 1200 mm (D) 1230 mm	950 mm 1200 mm 1270 mm	950 mm 1500 mm 1270 mm	950 mm 1800 mm 1270 mm	950 mm 2200 mm 1340 mm	780 mm 2600 mm 1190 mm	950 mm 2600 mm 1240 mm
SCREEN SURFACE	0.90 m ²	1.10 m ²	1.40 m ²	1.75 m ²	2.40 m ²	1.95 m ²	2.40 m ²
WEIGHT WITHOUT HEAD BRACKET (15 MM SCREENING SHAFT)	1640 kg	1850 kg	2300 kg	3100 kg	4100 kg	3550 kg	4100 kg
WORKING PRESSURE	280 - 300 bar	280 - 300 bar	280 - 300 bar	280 - 300 bar	280 - 300 bar	280 - 300 bar	280 - 300 bar
OIL FLOW	150 - 200 l/ min	150 - 200 l/ min	150 - 200 l/ min	200 - 280 l/ min	200 - 280 l/ min	200 - 280 l/ min	200 - 280 l/ min
PRESSURE MAX	320 bar	320 bar	320 bar	320 bar	320 bar	320 bar	320 bar

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