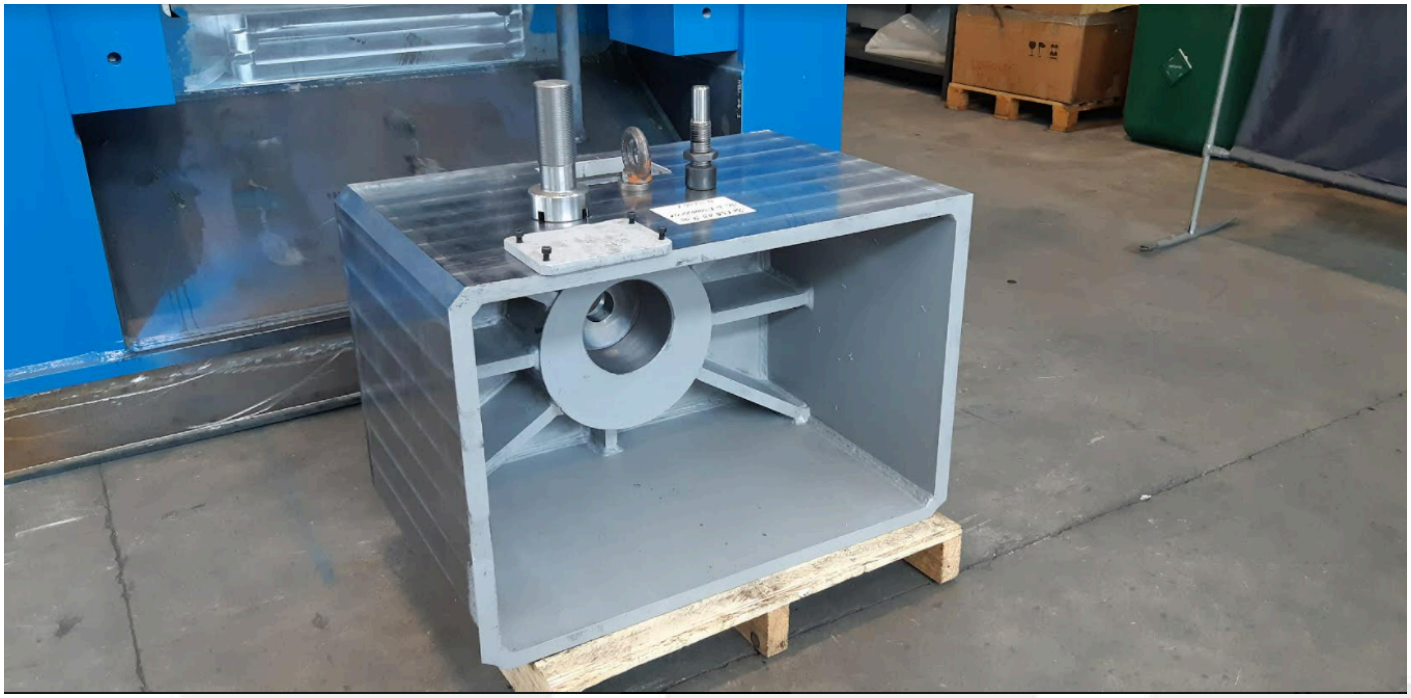
K 762 E TECHNICAL SPECIFICATION

500 Ton Wing Setup (option)

300 Ton wing setup (Included in this quote)

Shear Box shipped separate from Shear head (assembly by our staff)

Shear Wear Plates and blade seats as discussed



Taurus Stock K862 600 mm long Pusher Block (machined to tight tolerances) Extra-long Pusher available on the Emme Version with different rear bale box housing.

2021.1

SHEARS*&BALERS *"KAPPA" mod	**K762 E**
	M.1.K81AK62.HK1 **DK3L.1-C4.1**
1. SHEAR	1.1.1AK812.G01
2. SQUEEZE BOX	1.1.2AK621.S01
3. MAIN COMPRESSION	1.1.3AKHK6.301
4. HYDRAULIC UNIT	1.H.A0DK3L.001
5. ELECTRONIC CONTROL UNIT	S.E.A0DK3L.001
6. DIESEL ENGINE	1.F.280C4.S51
7. REMOTE CONTROL	R.E.ADK3L1.001
8. SUPPORT STRUCTURE / PLANS	1.1.F6AK02.HK1
OPTIONS	
a. LM OPERATOR'S CABIN	1.G.CLMP2A.C01
b. LOADING HOPPER	1.1.BK6AK6.HK1

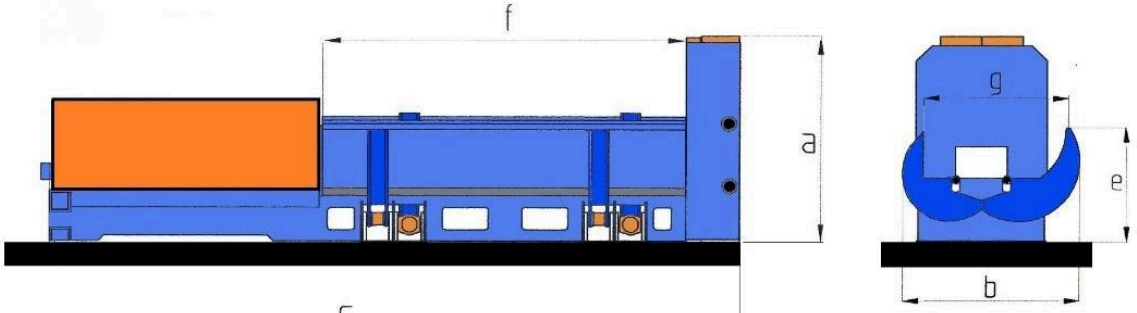
All specifications are subject to change without notice in consideration of technical / technological developments.
Pictures and drawings are indicative.

SHEARS&BALERS *"KAPPA"*		K762 E
1-SHEAR		
❖ removable liners made of wear-resistant steel	ref.	HRDX450
❖ shear cylinders	n	2
❖ shearing force	ton	770 Tons US
❖ clamp force	ton	100
❖ clamp cylinder	n	1
❖ lubrication		automatic
2-SQUEEZE BOX		
❖ "wings"	n	2
❖ Inside wings and sliding surfaces are made of highly wear-resistant steel	ref.	HRDX45
❖ Extra stroke on both wings		
❖ Box length (f)	mm	6100
❖ Open box width (g)	mm	2800
❖ Bale dimensions	mm	880 x 600
❖ Cylinders on each wing	n	2
❖ Maximum compression force (for each "wing")	ton	300
3- MAIN COMPRESSION		
❖ Maximum compression force	ton	150
❖ Support plan		
4- HYDRAULIC UNIT		
❖ Tank capacity	litres	2400
❖ Variable displacement piston pumps		❖
❖ Piloting pump		❖
❖ Oil cooling and oil filtering pump		❖
❖ Distribution manifold		❖
❖ Relief valves manifold		❖

❖ External auxiliary filtration	❖
❖ Air/oil cooling	❖
5- ELECTRONIC CONTROL UNIT	
❖ Programmable logic controller	PLC
❖ Touch screen	❖
❖ Panel to include:	
Emergency button	❖
❖ RSS: Remote Service System	❖

SHEARS*&BALERS *"KAPPA"	**K762 E**
6- Electrical Motor Drive	
❖ More info coming	160 KW
7- REMOTE CONTROL **ref.**	**IMET 22C**

	INDICATIVE DIMENSIONS		**K762 E**
a	Height of the shear support included	mm	3500
b	Shear width with open wings	mm	3200
c	Machine length	mm	14000
e	Loading height	mm	2300
	Indicative total weight of the machine	ton	85



SHEARS&BALERS "KAPPA"			K762
• Indicative cutting capacity (mild steel)		mm	140
		mm	160
		mm	90 x 850
• Indicative output average (*)		ton/h	14 -18

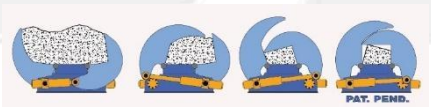
(*) production capacity for a cutting length between 600 and 800 mm is subject to the material to be processed, to the loading systems and to the hydraulic unit

SHEARS&BALERS "KAPPA"		K762
ON REQUEST		
a- LM OPERATOR'S CABIN		
❖ dimensions:	mm	2000x2000
anatomical chair and frontal drives		
stair and rails		
b- LOADING HOPPER		
❖ Hopper box length	mm	6000
❖ External width of the hopper box	mm	2500

BALER&SHEAR	K
Main components list	standard - included
	option - not included
01 SHEAR	
Liners made of highly wear-resistant steel	
Liner on the surface of the blade holder made of highly wear-resistant steel	
Easy replaceable seat of the blades	
Wear on the guides compensated acting on eccentric pins	
Cut refusal and cut repetition with steps of about 100 mm	
Clamp exclusion from the automatic cycle	
RSC: shear over-flow circuit	
RIG: shear oil recirculation circuit	

BALER&SHEAR	K
RSP: clamp over-flow circuit	
Shear auto-lube	
02 PRE-COMPRESSION AND FEEDING BOX	
Automatic “wings” opening at the end of the automatic cycle	
Extra stroke on both wings	
Closed “wings” interlock switch	
Hydraulic cushioned “Wings” cylinders	
SWP: Serrated Ware Plate	
03 FEED UNIT	
TIMER: Adjustable feed length	
HP: Automatic feed stroke economizer	
RSA: feed over-flow circuit	
04 HYDRAULIC UNIT	
Independent external filtering “out-line” (25 micron)	
Air filters	
05 ELECTRONIC CONTROL UNIT	
TOUCH SCREEN and Check control	
RSS: Remote Service System	
MORE	
Remote control	
LM operator’s cabin with platform	
Loading hopper	
CYLINDERS	
Hardened and chromed piston rods	
Bronze piston bearings with Teflon rings to exclude impurities	
Chevron seals	

Main components description

	**OVERSTROKE ON EACH WING (included)**

DOUBLE CUTTING CYLINDERS AND PRISMATIC GUIDES (included)

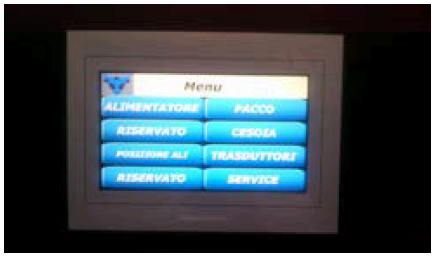
The proven prismatic guides of our blade slides and the correct dimensions of the guides surfaces combined with the double cutting cylinders reduce the wear and ensure reliable cutting operation.
The guide coupling is made from hardened steel and plastic, this solution permits foreign bodies to become embedded in the plastic and thus cause no further damage to the guides. Plastic, furthermore, has excellent emergency running properties.
Wear on the guides is compensated acting on eccentric pins.

CHEVRON SEALING RINGS (included)

These seals are designed with preloaded radial lips to provide good sealing results. They are very robust and insensitive to sealing surface finish.
Chevron seals are especially suited to applications where there is a risk of damage and contamination.

CSA: Cylinders Shock Absorber (included)

The shock absorbers:
- reduce the vibrations generated while the wings are squeezing scrap
- control the closing and opening wings speedy



TOUCH SCREEN (included)
The Intelligent Control System constantly monitors and optimizes the squeezing and cutting process.
The control system minimizes downtimes, maintenance can be planned in good time and performed in a labor-saving manner.
Numerous programs for different types of scrap can be selected at the push of a button, for instance: full stroke, partial stroke, relative stroke and, of course, baling.

EPS: External Position Sensors (included)
This system to measure the stroke, is used in the clamp and shear cylinders to reduce the cutting working cycle.
Position monitoring is made via non-contact sensors to avoid usual proximities or mechanical switches. This solution also avoids the consquences due to the in-cylinder linear position sensors easy to

	damage and difficult to service and replace.
	**IDS: Inductive Distance Sensors (included)** This solution is used to detect the forward and backward stroke of the pusher cylinder instead of conventional proximity or mechanical switches, to avoid setting and damage from pieces of scrap falling from trucks or cranes.
	**LOADING HOPPER (option - not included)**
	**SERRATED WARE PLATE (option – not included)** Serrated Ware Plate (SWP) with a special profile can be fitted as an option to the bottom of the entire length of the squeeze box. The special profile prevents jamming from wires and/or rebar while the screw in design allows for easy replacement when warn. The SWP´s are constructed of ware resistant Hardox steel.
	**“LM” OPERATOR’S CABIN (not included)** - insulated and soundproofed - rubber mat - air conditioning (hot-cold) - fire extinguisher - lights for night lighting of the work area - anatomical chair - n. 2 platforms - stair and hanrails