

TAURUS has overhauled and updated their entire range of shear balers under the new BLULINE brand. The range includes: Stationary, double framed, mobile and transportable shears and balers. The traditional two wing shears and balers with the patented over stroke on both wings have been revised to meet the demands and needs of operators and steel mills. The new TAURUS BLULINE shear balers provides: greater shear force (from 500 tons up to 2000 tons); and even more Hardox hardened steel. All new features such as a camera fitted behind the main pusher ram to allow real time visual monitoring (optional).

Visual monitoring of this area immediately alerts the operator if scrap becomes trapped behind the main ram and allows him or her to react quickly to remove the obstruction before any damage is done to the ram or cylinder. Along with many new performance improving features TAURUS BLULINE shears and balers continue to use the tried and trusted components which have made TAURUS the number one choice around the world, such as:

- 1 **Shear head automatic grease distribution system**
Providing even distribution of grease to the shear head minimising wear and tear.
- 2 **Chevron sealing rings**
This 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.
- 3 **Wear liners**
All parts in the areas where wear is critical are made of Hardox highly wear-resistant steel. Wherever it is possible, the wear liners are bolted on to allow simple replacement.
- 4 **«CSA» Cylinders shock absorber**
(patent pending): These shock absorbers: reduce the vibrations generated while the wings are compacting scrap. They also allow faster opening and closing of the compression wings.
- 5 **Touch screen**
The Intelligent Control System constantly monitors and optimizes the compression and shearing process. The control system minimizes downtimes, maintenance can be planned in advance and performed in a labour-saving manner. Numerous programs for different types of scrap can be selected at the push of a button, including: full stroke, partial stroke, relative stroke and, of course, baling.

- 6 **IDS - Inductive distance sensors:**
The IDS sensors monitor the correct position of the main compression cylinder and unlike conventional mechanical proximity switches they are not prone to damage from falling scrap.
- 7 **KNEE (patent pending)**
A toggle device with rotary encoder is used to check the position of the stroke and over stroke of the wings. This device prevents closing overload, which is the main cause of incorrect wing positioning. The rotary encoder is protected, and independently located. The KNEE rotary encoder is a big advantage over the more commonly used in-cylinder position sensors which are more prone to damage and difficult to service or replace.
- 8 **EPS - External position sensors**
This system accurately measures the shear and clamp position to reduce the cutting working cycle. Position monitoring is performed via non-contact sensors to avoid the usual pitfalls associated with Proximity or mechanical switches. EPS sensors are also less prone to damage and simple to service.
- 9 **Laser**
The pusher cylinder positioning is determined by a laser monitoring system allows the operator to pre-set the perfect cutting length of each bale.

TAURUS, SINCE 1964

ALWAYS ONE STEP AHEAD

TAURUS is one of the oldest and most recognised brands in the metals recycling market. With more than 700 machines installed and in operation throughout the world from a technical and operational standpoint, TAURUS represents a solution that is second to none, with the proven ability to work efficiently and effectively in any condition, climate or application.



TAURUS

BLU LINE



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TEST OF **STRENGTH.**

SHEARS AND BALERS WITH
UNRIVALED POWER AND RELIABILITY

SHEAR BALERS

PRODUCT LINE KEY FACTS



Features		ACH 451	ACH 551	ACH 562	ACH 662	ACH 772	ACH 773	ACH 872	ACH 873	ACH 973	ACH 107
Shearing Force	t	450	500	500	600	750	750	850	850	950	1050
Box Length	mm	5000	5000	6100	6100	7200	7200	7200	7200	7200	7200
Cylinders on each wing	n	1	1	2	2	2	3	2	3	3	3
Maximum side compression force (for each "wing")	t	180	180	300	300	350	400	350	400	400	400
Main electric motor	kw	90	110	110	110	160	160	160	200	200	200
Diesel engine power	hp	145	250	250	250	350	350	350	350	350	350
Bale dimension	mm	880x600	880x600	880x600	880x600	880x600	880x600	880x600	880x600	880x600	880x600
Number of clamp cylinders	nr	1	1	1	1	1	1	1	1	2	2
Clamp Cyl. Force	t	90	100	100	100	140	140	140	140	180	180
Max. compression force	t	150	150	150	150	150	150	150	150	150	150
Output	t/h	6÷8	6÷10	8÷10	8÷10	12÷16	12÷16	12÷16	14÷18	14÷18	14÷18
Dimension (L x W x H)	mt	12,5x3,2 x4,1	14,5x3,2 x4,25	14,5x3,2 x4,25	14,5x3,2 x4,25	17,0x3,2 x4,4	17,0x3,2 x4,4	17,0x3,2 x4,4	17,0x3,2 x4,4	17,0x3,2 x4,4	17,0x3,2 x4,4
Indicative weight	t	70	73	78	80	88	97	92	100	105	110

Features		ACS 562	ACS 662	ACS 772	ACS 773	ACS 872	ACS 873	ACS 973	ACS 107
Shearing force	t	500	600	750	750	850	850	950	1050
Box Length	mm	6100	6100	7200	7200	7200	7200	7200	7200
Cylinders on each wing	n	2	2	2	3	2	3	3	3
Maximum side compression force (for each "wing")	t	300	300	350	400	350	400	400	400
1 Electric motor version	kw	110	110	160	160	200	200	-	-
2 Electric motor version	kw	2x90	2x110	2x110	2x110	2x132	2x132	2x132	2x132
Diesel engine power	hp	250	250	350	350	350	350	-	-
Bale dimension	mm	880x600	880x600	880x600	880x600	880x600	880x600	880x600	880x600
Number of clamp cylinders	nr	1	1	1	1	1	1	2	2
Clamp Cyl. Force	t	100	100	140	140	140	140	280	280
Max. compression force	t	150	150	150	150	150	150	150	150
Output (with n. 2 motors)	t/h	10÷12	12÷16	16÷20	16÷20	16÷22	16÷22	18÷24	18÷24
Dimension (L x W x H)	mt	15,0x3,2 x4,25	15x3,2 x4,25	17,0x3,2 x4,4	17,0x3,2 x4,4	17,0x3,2 x4,4	17,0x3,2 x4,4	17x3,2 x4,8	17,0x3,2 x4,8
Indicative weight	t	82	85	92	103	105	110	115	120



Features		ARH 117	ARH 127	ARH 137	AGS 148	AGS 158	ATS 188	ATS 208
Shearing Force	t	1100	1200	1300	1400	1500	1800	2000
Box Length	mm	7200	7200	7200	8300	8300	8300	8300
Cylinders on each wing	n	3	3	3	3	3	3	3
Maximum side compression force (for each "wing")	t	450	450	450	600	600	700	700
Main electric motor	kw	2x160	2x160	2x160	4x110	4x110	4x132	4x132
Diesel engine power	hp	450	450	450	-	-	-	-
Bale dimension	mm	1000x700	1000x700	1000x700	1100x800	1100x800	1200x800	1200x800
Output	t/h	<40	<50	<50	<60	<60	<80	<80

Features		ARS 117	ARS 127	ARS 137	ACM 662	ACM 762	ACM 862	ACL 662	ACL 762	ACL 862
Shearing Force	t	1100	1200	1300	600	700	800	600	700	800
Box Length	mm	7200	7200	7200	6100	6100	6100	6100	6100	6100
Cylinders on each wing	n	3	3	3	2	2	2	2	2	2
Maximum side compression force (for each "wing")	t	450	450	450	300	350	350	300	350	350
Main electric motor	kw	2 x 160	2 x 160	2 x 160						
Diesel engine power	hp	-	-	-	250	250	350	250	250	350
Bale dimension	mm	1000 x 700	1000 x 700	1000 x 700	880 x 600	880 x 600	880 x 600	880 x 600	880 x 600	880 x 600
Lifting jacks	n	-	-	-	-	-	-	4	4	4
Output	t/h	<40	<50	<50	10÷12	12÷14	14÷16	10÷12	12÷14	14÷16

BALERS



Features		PH 51	PH 52	PH 62	PH 51J	PH 52J	PH 62J
Box Length	mm	5000	5000	6100	5000	5000	6100
Cylinders on each wing	n	1	2	2	1	2	2
Maximum side compression force (for each "wing")	t	180	250	250	180	250	250
Maximum baling force	t	160	160	160	160	160	160
Main electric motor	kw	75	75	75			
Diesel engine power	hp	145	145	145	145	145	145
Bale dimension	mm	880 x 600	880 x 600	880 x 600	880 x 600	880 x 600	880 x 600
Bale density	kg/m³	800 - 1200	800 - 1200	800 - 1200	800 - 1200	800 - 1200	800 - 1200
Lifting jacks	n	-	-	-	4	4	4
Output	t/h	12÷18	16÷20	16÷20	12÷18	16÷20	16÷20

Features		LM 52	LM 62
Box Length	mm	5000	6100
Cylinders for each "wing"	n	2	2
Maximum side compression force (for each wing)	t	250	250
Maximum baling force	t	160	160
Diesel engine power	hp	250	250
Bale dimensions	mm	880 x 600	880 x 600
Bale density	kg/m3	800 - 1200	800 - 1200
Output	t/h	16÷20	16÷20



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