## AFFORDABLE TECHNOLOGY

**PRCB performance level is comparable only on machines with much higher standards.** These press brakes may be configurable with different equipment to enhance their performance at all levels.

# **PRCB** HIGH PERFORMANCE





RICO's PRCB are versatile, even in their basic configuration, and offer an enviable price/performance ratio.

Their performance level was so far available only on machines with much higher specifications and price levels. They are also evolutionary press brakes, which according to the needs of each user may be equipped with different equipment and devices to enhance their performance and productivity.

# PRCB TECHNOLOGY AND PRECISION MORE ACCESSIBLE

Using all the technology RICO, PRCB model combines quality, performance and accuracy at a competitive price.

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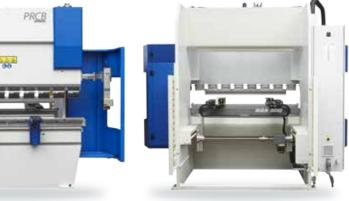
Rico PRCB 

## TABLE OF CONTENTS

		PAGE
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.08	Technical specifications	22
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AR	.01	/	High precisi
ANTY	.02	/	Extremely q
	.03	/	Customizab
	.04	/	Excellent dir
	.05	/	2 years war



ion and repeatability

quick cycle times

ole

limensional characteristics

rranty



RXC

The standard range features models with capacities varying from 30 to 600 ton. Furthermore, **RICO** is capable of building machinery with different configurations upon customers' request.

STROKE, DAYLIGHT, THROAT DEPTH, SIDE FRAMES DISTANCE.

# PRCB RANGE

LENGTH (mm) CAPACITY	1600	2100	2600	3100	3600	4100	6100
30 TON							
70 TON							
100 TON							
135 TON							
160 TON							
200 TON							
250 TON							
300 TON							
400 TON							
450 TON							
500 TON							
600 TON							

- Capacity with more than 600 Ton available under request.

## AFTER SALES SERVICE

RICO enriches its service by means of failure as well as training or clarification quality and proximity to the customer. of doubts. We employ highly skilled and The competence and experience acquired as manufacturer are key factors for the solutions provided and metal plate cutting and shaping solutions. results achieved.

Being **RICO**'s customer is to have a service of excellence on previous and after-sale counseling and support. We believe that technical assistance is vital to the best equipment performance and, as such, we decided to provide free lifelong training to all our customer's since 2007.

We guarantee immediate intervention for all emergencies, both regarding mechanical

experienced technicians to provide customer's with the best advice, searching for the best

We provide our customer's with qualified technical service, always working with the following goals:

- PROBLEMS SOLUTION AT THE FIRST CONTACT; - QUICK ANSWER; - ASSURED QUALITY.



# EQUIPMENT

The right machine configuration is essential to achieve maximum efficiency taking into account the type of intended use.

## We make proposals with **detailed** configuration and based on **customer** requirements

## STANDARD<sup>S</sup>

TYPE	ITEM	PRCB	PAGE
Control panel	Delem DA-53T control	•	8
Automatic axes	3 automatic axis: Y1+Y2+X	•	9
Back gauge	BGA back gauge (up to 200 Ton)	•	9
	BGAH back gauge (more than 200 Ton)	•	9
Front safety	LASER AKAS II-F	•	9
Rear safety	Safety barriers (Level IV)	•	-
Special systems	Standby function	•	16
Supports	SFS front support	•	10
Top clamping	Manual clamping	•	12
Bottom clamping	Manual clamping	•	12
Offline software	Profile TL	•	15
Others	Hanging swivel in control panel	•	-
	Machine LED status	•	6
	Hex key set	•	-

• Standard O Optional

## Machine LED status S



## **CHOOSING IS IMPORTANT**

The purpose of each option is to get the return that is higher than its cost. For this, it's important to evaluate the return that will be obtained taking into account the work that is intended to accomplish in the future.

## OPTIONAL

						and the second division of the second divisio
TYPE	ITEM					PAGE
Control panel	DELEM		CYBELEC			
	DA-58T		CybTouch 8/12	PS		
	DA-66T		Modeva DNC 1	5		0
	DA-69T		Modeva 19T			8
			Modeva RA Pr	emium		
Automatic axes	R		Z1+Z2		X5	9
Back gauge	BGT with 6	automatic a>	(es			9
Front safety	AKAS II-M		AKAS 3P			9
Angle measurers	React		Iris Plus		LaserCheck	13
Front supports	SFA		SFH			10
Rear supports	SPA					11
Follower supports	ACFA		ACF1		ACF2	11
Top clamping	MANUAL		PNEUMATIC		HYDRAULIC	
	Speed Grip	Μ	Speed Grip P			
	FR-M		FR-P			12
	Wila M		Wila PN		Wila HYD	
Bottom clamping	CRO	WNING		CLAMPING		
	CNC	MANUAL	MANUAL	PNEUMATIC	HYDRAULIC	
RICO	0	0	ROL2 M	ROL2 PN	ROL2 HYD	12
WILA	0	0	0	0	0	12
LED tool locator	RICO LedB	ar	Wila Smart To	ol Locator		13
Tool identification	WILA TIPS					13
Tool cabinet	ARM1		ARM2		ARM1A	15
Offline software	Delem Prof	ile T2D	Delem Profile	T3D	RICOBend	15
Others	S-Boost					14



# EQUIPMENT

## . CONTROLS





CybTouch 8 PS



CybTouch 12 PS



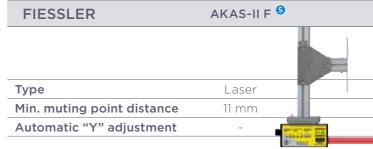
ModEva 19T ModEva RA PREMIUM

CYBELEC

• Standard • O Opcional

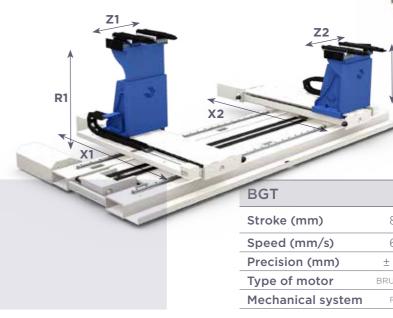


## . SAFETY LASERS



## . BACK GAUGES

BGA <sup>S</sup>	X S	R	Z1	Z2	X5
Stroke (mm)	750 (1000)	150	UNDER REQUEST	UNDER REQUEST	190
Speed (mm/s)	500	170	2000	2000	200
Precision (mm)	± 0,05	± 0,10	± 0,10	± 0,10	± 0,05
Type of motor	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS
Mechanical system	BALL SCREW	RACK	BELT	BELT	BALL SCREW
R1	X		22	↓ R2	





AKAS-II M	AKAS 3P
	Inte
	327
Laser	Laser
11 mm	0,5 mm

X1	X2	R1	R2	Z1	Z2
800	800	200	200	UNDER REQUEST	UNDER REQUEST
600	600	200	200	550	550
0,05	± 0,05	± 0,05	± 0,05	± 0,10	± 0,10
USHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS	BRUSHLESS
RACK	RACK	RACK	RACK	RACK	RACK

### . SUPPORTS

Sheet supports are auxiliary bending accessories. They must be chosen according to the dimensions and weight of the pieces.

Front supports: Support the plate during the front feed;Back supports: Support the plate in the approach to the back gauge;Follower supports: Support the movement of the plate during the bending.



### FRONTAL SUPPORTS



- . Supported on any position of the clamps; . Manual height regulation; . Device for approaching to the die; . Load capacity:
- < 200 Ton: 75 kg per support
- ≥ 200 Ton: 150 kg per support.

Supported on sliding guides;

Device for approaching to the die;

- < 200 Ton: 100 kg per support

- ≥ 200 Ton: 150 kg per support.

Manual height regulation;

Adjustable plate stop;

Removable supports;

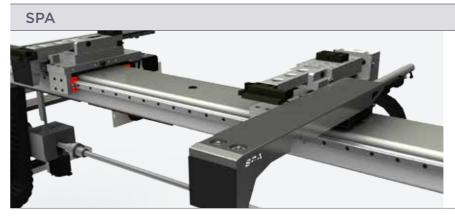
Millimetric scale;

. Load capacity:

. Can be placed at any point along the length;

Ball transfer units to facilitate handling parts;

### **REAR SUPPORTS**



### FOLLOWER SUPPORTS



### ACF1 / ACF2







SFH



- Supported on sliding guides;
- . Continuous manual height regulation;
- . Millimetric scale;
- . Ball transfer units to facilitate handling parts; . Adjustable plate stop;
- . Aujustable plate stop,
- . Load capacity 2000 kg per support.

R'CO°

The plate supports can be customized according to the needs of the customer.

**SPA supports** are installed in the fingers of the back gauge. They can be activated in predefined bending and enable the plate to slide until it lies adjacent to the back gauge.

Load capacity - 30 kg per support.

- . Automatic bending follower supports;
- . Controlled by CNC;
- . Recommended for heavy parts or large thin plate;
- . Supported on longitudinal sliding rails;
- . X and Y position adjustment;
- . Load capacity 180 kg per support.

# PRCB

## TOP CUSTOMIZATION

COLORIDA DI

To meet all customer requirements, PRCB is a fully configurable machine. This versatility goes from sizing to optional equipment.

RO



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## . QUICK CLAMPING

When there are frequent tooling changes, punches or dies can be changed over in a short time by using the quick clamps. The time saved will be more how many times it will be necessary to change the tools.

In all top clamping the punches can be removed directly from the front, so it is not necessary to slide it on one side. This operation compared to conventional allows a reduction of times greater than 8x.

	PR	OMECAM SYSTE	ΕM	WILA S	SYSTEM
		CLAMP			AMP
	Manual		Pneumatic	Manual	Hydraulic/Pneumatic*
ТОР					
QUICK CLAMPING	FR-M		FR-P	NSCL-I-MC PRO	NSCL-I-HC PRO
CLAMPING					
	SPEED GRIP	SI	PEED GRIP PN	NSCL-II-MC PREMIUM	NSCL-II-HC PREMIUM
	PR		м		YSTEM
		CLAMP			AMP
	Manual	Pneumatic	Hydraulic	Manual	Hydraulic/Pneumatic*
<b>BOTTOM</b> QUICK	ROL2	ROL PN	ROL HYD	NSCR-I-MC PRO	NSCR-I-HC PRO
CLAMPING		KÖLTH	ROLIND	NJCK T MC T KO	Nock The FRO
				NSCR-II-MC PREMIUM	NSCR-II-HC PREMIUM

\* Under request.



LedBar is a bending aid that helps the operator to position the tools and the part during the bending.

#### **RICO** LedBar



## . WILA TOOL IDENTIFICATION AND POSITIONING SYSTEM (TIPS)

The WILA TIPS system is an integrated part of the press brake control system, and helps to identify tools and to continuously read their position. The tools are localized and identified irrespective of whether they are located in the upper clamping, lower clamping or storage system.

## . ANGLE MEASURERS



R'O



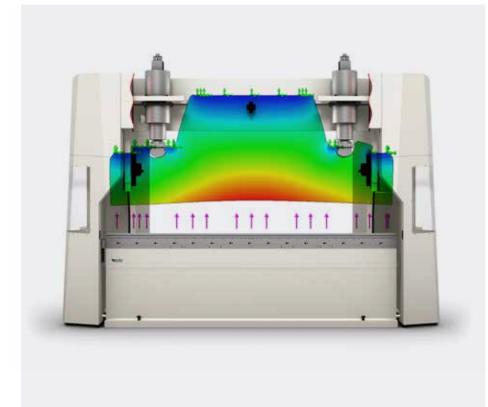
WILA Smart Tool Locator

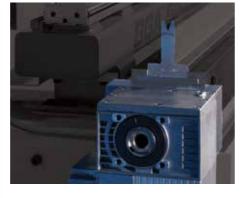
## . CROWING TABLE

This system enables the user to offset deformations of the beam while bending. In this way the angle remains constant throughout the length.

The compensating arc is accurately calculated taking into account the design of the machine and its deformations under load. The process is automatic and the calculation takes into account the thickness of the sheet, type of material, opening of the V and length.

### PROMECAM





WILA



## . S-BOOST

Increased productivity is a major goal of today's enterprises. S-Boost is a system that offers a greater fast speed up and down.

S-boost 1	up to 200 Ton
S-boost 2	from 200 to 300 Ton

NOTE: Speed values with S-Boost are described on page 24.



## . TOOL CABINET

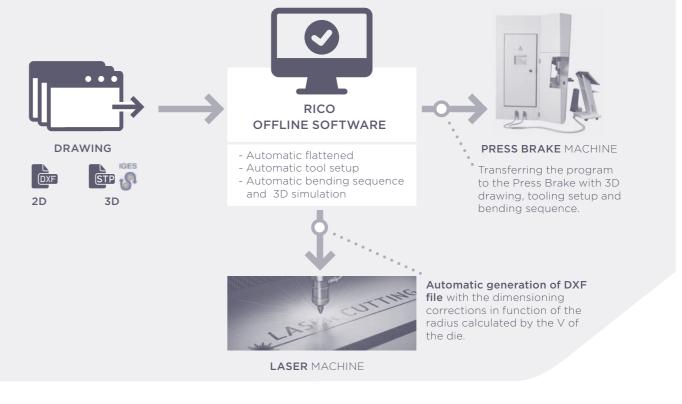
<b>Arm1</b> 4 -
Arm2 8 -
Arm1A 4

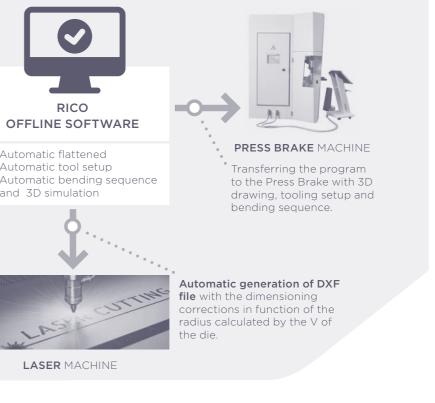
## . OFFLINE SOFTWARE

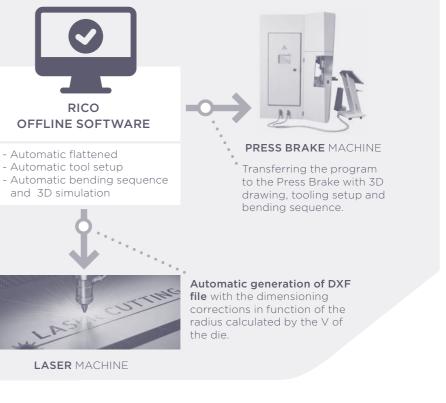
Offline software is an indispensable tool to increase the profitability of a machine. All **RICO** machines have offline software included depending on the machine control.

In the case of 3D software's allow the import of the 2D / 3D files automatically realizing the programming of the bending and creating a file for the cut.

	2D	3D
Profile TL 🗕	•	-
Profile T2D		-
Profile T3D	•	
PC Modeva	•	
PC RA		
Radbend	•	

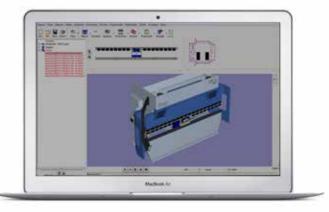








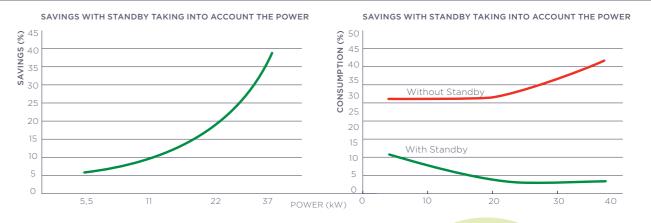




# RICO GREEN

**RICO** promotes a friendly environmental policy, and, as such, all our equipment features the Standby Function. This function leads to the automatically stop of the power after 5 consecutive minutes of inactivity.

Standby Function ensures an effective economy of energy on an automatic basis.





75%

20%

# TANDEM INTEGRATION

Two press brakes may be used in tandem when bending large lengths. This system enables the user to sychronise the two machines to guarantee the same speed and precision.

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The Tandem system enables the two machines to be operated in **simulta-neous or stand-alone mode.** 



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PRCB

PRCB

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Rico

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## RICO INTEGRATED CELLS

The PRCN press brake is designed to allow for the introduction of robotic cells developed in accordance with the needs of each project.

# PRESS BRAKES RANGE

**RICO** offers 3 models of Press Brakes with different configuration but with a common characteristic, high quality. The decision to purchase must focus on choosing the most appropriate equipment for the job to be done, taking into account the gain of each of them.



- Accuracy
- General speed's
- Structural Performance
- Stroke range

#### . OTHER ELEMENTS

	STANDARD CONTROL	STANDARD AXES	SWAYBEND	H-BOX FRAME	TRIPLE GUIDE
PRCB	Delem DA-53T	3	-	-	-
PRCN	Delem DA-66T	4	•	•	•
PRCN <b><i>C-LINE</i></b>	Delem DA-66T	4	•	•	•





Embrace future challenges, and give our contribution to help industries getting prepared to the next step, is **RICO**'s main commitment.

Day-to-day operations are important, but long-term business strategy will determine the ongoing and further success. Building a reliable board of principles will help to ensure that our **vision for the future will be carried forward.** 

# RICO MORE INNOVATION

RICO strategy purpose is **sustainable growth** to ensure a constant investment in innovation, resulting in added value for us and for our customers.

#### **KNOW-HOW**

Nearly 50 years of expertise in the manufacture of press brakes and guillotines machines give us the security that is needed for future challenges.

### TRUST + RELIABILITY

High standards of quality and a team with the best training and knowledge are a major condition for our success. Our products are the result of a continued focus on improving internal processes underpinned by high quality levels, that result in the recognition of RICO's machines as quality garantee equipment.

#### SUSTAINABLE GROWTH

The purpose of RICO strategy is sustainable growth that can ensure a constant investment in innovation, which results in added value for the customer, to create good conditions for its employees and respects the environment.

# TECHNICAL SPECIFICATIONS

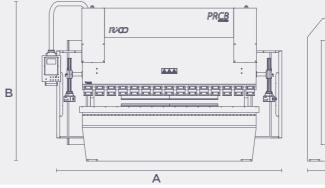
	Bending length	Tonnage	Throat depth	Beam stroke	Daylinght	Daylight 2 *	Fast	Bending A axis s	Return (rs)	RS S-Boost *	Oil capacity	Back gauge stroke	Motor power	Total length (A)	Total height (B)	Total width (C)	Distance between frames	Heigth under the floor	Aprox. weight
		-				-			/c		Lts		kW			mm			Kg
	1600		mm		mm			mm/	5		LLS	mm	KVV	2410	2550	1695	1220		
PRCB 1530	1600	- 30	300	280	480	520	210	0-10/20*	140	230	75	600	4		2550	1685		0	3280
PRCB 2030 PRCB 2070	2100													2790	2550	1685	1600		3570
	2100		700	200	100	520	210	0.10/10*	145	220	120	750		2860	2745	1685	1600		5800
PRCB 2570	2600		300	280	480	520	210	0-10/18*	145	220	120	750	7,5	3360	2745	1685	2100	0	6300
PRCB 3070	3100	-												3860	2745	1685	2600		7000
PRCB 20100	2100													2880	2770	2040	1600		6800
PRCB 25100	2600	-							145	000				3380	2770	2040	2100		7430
PRCB 30100	3100	100	400	280	480	520	200	0-10/18*	145	220	180	750	11	3880	2770	2040	2600	0	8120
PRCB 35100	3600	-												4380	2770	2040	3100		9280
PRCB 40100	4100	-												4880	2770	2040	3100		10000
PRCB 60100	6100	_							125	200				6960	3120	1950	5100		19000
PRCB 30135	3100													3900	2885	1710	2600		9900
PRCB 35135	3600	135	400	280	480	520	200	0-10/17*	135	200	230	750	11	4400	2885	1710	3100	0	10600
PRCB 40135	4100													4900	2885	1710	3100		11100
PRCB 60135	6100	<u> </u>							115	180				6980	3180	1950	5100		20000
PRCB 30160	3100	-					200	0-10/17*					15	3900	2905	1780	2600	- 0 -	10470
PRCB 35160	3600	160	400	280	480	520			155	155 205	230	750		4400	2905	1780	3100		11940
PRCB 40160	4100													4900	2905	1780	3100		12460
PRCB 60160	6100								135	195				6980	3290	2000	5100		24100
PRCB 30200	3100							0-10/17*	130	200		750	D 15	3920	2915	1910	2600		12240
PRCB 35200	3600	200	400	280	480	520	200				290			4420	2915	1910	3100	0	13240
PRCB 40200	4100			200	-00	1020					200	,		4920	2915	1910	3100		14450
PRCB 60200	6100								110	180				7000	3500	2000	5100	1150	27000
PRCB 30250	3100													3940	3435	1955	2600		15150
PRCB 35250	3600	250	400	330	550	590	180	0-10/17*	130	205	390	750	19	4440	3435	1955	3100	0	15650
PRCB 40250	4100				000	000				195		,		4940	3435	1955	3100	1200	16200
PRCB 60250	6100								110					7020	3770	2100	5100		33600
PRCB 30300	3100													3960	3435	1955	2600		16360
PRCB 35300	3600	300	400	330	550	590	180	0-10/17*	130	205	470	750	30	4460	3435	1955	3100	0	17300
PRCB 40300	4100		100		000	000	100				170	/00		4960	3435	1955	3100		18000
PRCB 60300	6100								110	195				7040	3770	2200	5100	1200	37000
PRCB 35400	3600		400						120					4480	3720	2300	3100	0	22900
PRCB 40400	4100	400	-00	380	600	640	170	0-10	120	-	380	750	30	4980	3720	2300	3100		23900
PRCB 60400	6100		400						100					7060	3900	2450	5100	1350	39500
PRCB 35450	3600		400						105					4480	3720	2300	3100	0	23700
PRCB 40450	4100	450	400	380	600	640	150	0-10	105	-	380	750	30	4980	3720	2300	3100	0	24800
PRCB 60450	6100		400						90					7060	3880	2450	5100	1350	41300
PRCB 35500	3600		100						105					4500	3790	2450	3100		26000
PRCB 40500	4100	500	400	380	600	640	140	0-10	105	-	380	750	30	5100	3790	2450	3100	0	27600
PRCB 60500	6100		400						90					7080	4050	2530	5100	1700	43700
PRCB 40600	4100		400	470	05.0		17.0	0.10	115			75.0	4.5	5000	3990	2650	3100	900	32300
PRCB 60600	6100	600	400	430	650	690	130	0-10	100	-	600	750	45	7080	4140	2650	5100	1700	45000
* Optional																			

\* Optional

# BENDING TABLE

. Required bending power (Ton/m) Rm=42 daN/mm<sup>2</sup> - Rm=70 daN/mm<sup>2</sup>

R	В	V	0,5	0,6	0,8	1	1,2	1,5	2	2,5	3	4	5	6	8	10	12	15	20	25	30
0,5	3	4	4 7	6 10	12 20																
O,7	3,5	5	35			15 25											90	)∞			
0,8	4	6	2_4	1			18 30										ſ	<u>ן</u>	(D)	×.	
1	5,5	8		2_4	58	8 13	12 21	21 <u>3</u> 5									Y		X	\s \s	
1,3	6,5	10			4_6	6_10	9 15	15 26	30 <u>5</u> 0								r			`	
1,5	8	12				58	7_12	12 20	23 38	39 <u>6</u> 6								1			
2	10,5	16					58	8 13	16 26	27 45	44 71										
2,5	13	20						6	12 19	20 33	31 52	60 101					<u> </u>	<b>→</b>	[		
3,2	16,5	25							9 15	14 24	23 38	44 73	76								
4,4	21	32								11 18	16 27	32 53	54 90	85 142							
5	26	40									12 21	23 38	39 66	62 103	121 202						
6,5	32,5	50										18 30	29 48	45 76	88 147	151 252					
8	41	63											22 37	33 55	70	109 182	173 288				
10	52	80												25 42	46	79 131	124 207	213 354			
12	65	100													35 59	58 96	91 151	155 258	302 504		
15	81,5	125														44 74	66 110	113 189	220 367	378 630	
20	104	160															50 83	81 135	158 263	269 448	425 709
25	130	200																62 104	89 192	197 328	310 517
37	163	250																	148	144 240	227 378
45	195	300																		120 200	173 288



\*

S(mm)





ALL DIMENSIONS CAN BE DIFFERENT ON CUSTOMIZED MACHINES.

THE DIMENSIONS FOR TRANSPORT CAN BE DIFFERENT.