

Zimmerman Series Handling Devices

The Ingersoll Rand Handling Device **ADVANTAGE**

- ▶ **Safety** — Most Ingersoll Rand handling devices come equipped with a safety interlock system that will not allow the operator to accidentally disengage the part during transfer
- ▶ **Ergonomics** — Handling devices can be designed with manual or powered tilt and rotation packages, which allow the operator to orient the part to the proper position with minimal effort
- ▶ **Flexibility** — Through a variety of pneumatic packages, each system is matched to a control package that is tailored to the lifting and positioning task



Standard 4-cup vacuum handling device:



- ▶ Safety Interlock prevents accidental release of load
- ▶ Improve productivity through effective box or flat part pickup, orientation, transfer, and positioning
- ▶ Adjustable handle and controls reduce operator fatigue
- ▶ Protects surface quality with positive secure vacuum gripping and setdown
- ▶ Gives operator complete control throughout the handling operation

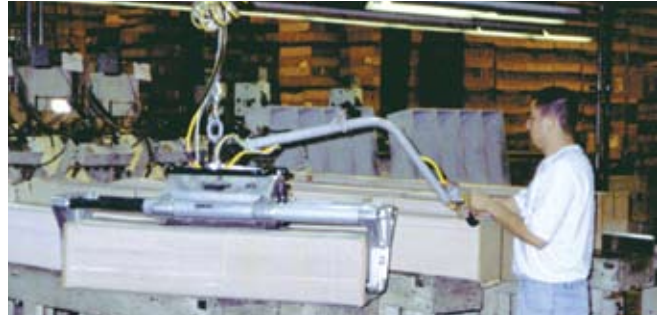
Part Number	Cup Centerline Dimensions	Lift Capacity		Cup Diameter
		Vacuum - in Hg	@ 100 psi	
87306338	5" x 7" (127 mm x 178 mm)	6 (porous)	45 lb (20.4 kg)	3" (76 mm)
		18	99 lb (44.9 kg)	3" (76 mm)
		25 (non-porous)	120 lb (54.4 kg)	3" (76 mm)
87306486	10" x 14" (254 mm X 356 mm)	6 (porous)	45 lb (20.4 kg)	3" (76 mm)
		18	99 lb (44.9 kg)	3" (76 mm)
		25 (non-porous)	120 lb (54.4 kg)	3" (76 mm)

To be used with "BW" series pneumatic balancers. Alternate layout and vacuum cup sizes available on request.
Note: Vacuum cups require a flat, non-porous surface. Consult factory for applications with porous surfaces.

Zimmerman Series Handling Devices

Signature bundle handlers

- ▶ Designed to meet the needs of the printing industry in handling logs from 22" – 48" and up to 250 lb
- ▶ Single (10" stroke) and dual (30" stroke) air cylinders with 900 lb clamping force at 90 psi
- ▶ Safety interlock prevents accidental release of load
- ▶ Standard paddles for end boards up to 12" x 12" (extended paddle configurations available — contact factory)
- ▶ Power rotation and self-leveling packages available — contact factory for further information
- ▶ Lightweight aluminum construction



Single cylinder with top swivel handle control



Dual cylinder with top swivel handle control

Part No.	Body Style	Control	Bundle Size in (mm)	Stroke in (mm)
SBH1-1-1	Single cylinder	Single side control	24-32 (610-813)	10 (254)
SBH1-2-1	Single cylinder	Dual side control	24-32 (610-813)	10 (254)
SBH1-3-1	Single cylinder	End control	24-32 (610-813)	10 (254)
SBH1-4-1	Single cylinder	Side and end control	24-32 (610-813)	10 (254)
SBH1-5-1	Single cylinder	Top swivel handle control	24-32 (610-813)	10 (254)
SBH1-1-2	Single cylinder	Single side control	32-40 (813-1016)	10 (254)
SBH1-2-2	Single cylinder	Dual side control	32-40 (813-1016)	10 (254)
SBH1-3-2	Single cylinder	End control	32-40 (813-1016)	10 (254)
SBH1-4-2	Single cylinder	Side and end control	32-40 (813-1016)	10 (254)
SBH1-5-2	Single cylinder	Top swivel handle control	32-40 (813-1016)	10 (254)
SBH1-1-3	Single cylinder	Single side control	40-48 (1016-1219)	10 (254)
SBH1-2-3	Single cylinder	Dual side control	40-48 (1016-1219)	10 (254)
SBH1-3-3	Single cylinder	End control	40-48 (1016-1219)	10 (254)
SBH1-4-3	Single cylinder	Side and end control	40-48 (1016-1219)	10 (254)
SBH1-5-3	Single cylinder	Top swivel handle control	40-48 (1016-1219)	10 (254)

Consult factory for applications that require greater than 10" stroke, dual cylinder available.



Dual cylinder with side control

Zimmerman Series Handling Devices

Rotary action handlers

- ▶ Provides effortless 90-degree manual rotation of rolls up to 300 lb
- ▶ Non-destructive rubber band style as well as pin style noses engage the ID of the core
- ▶ Safety interlock prevents accidental release of load
- ▶ Offered in both lightweight aluminum and rugged steel construction
- ▶ Integrated up/down controls work seamlessly with Ingersoll Rand Pneumatic Balancer



Effortless horizontal to vertical rotation

Body selection chart

Body Material	Capacity lb (kg)	Max Core Length in (mm)	Max Core O.D. in (mm)
Aluminum	100 (45.4)	12 (305)	30 (762)
Steel	300 (136.1)	24 (310)	42 (1067)

Nose selection chart

Nose Style	Capacity lb (kg)
3 Pin	100 (45.4)
6 Pin	300 (163.1)
Single band	200 (90.7)
Double band	300 (136.1)



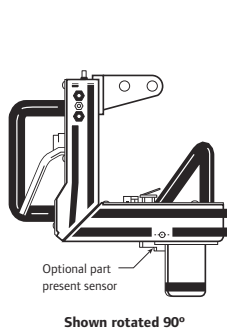
Band nose



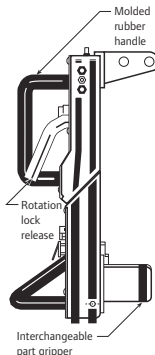
Pin nose



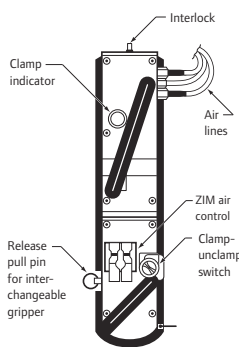
Custom power tilt



Shown rotated 90°



Wide variety of interchangeable part grippers available



Rotates and locks 90° right and left

Other options available upon request:

- ▶ Stepped nose for multiple cores
- ▶ "V" groove for pin cart applications
- ▶ Special paint / plating
- ▶ Spindle end locator
- ▶ Adjustable bail
- ▶ Heavy duty pivot for steel rotary action handler offers capacity up to 450 lb



Stepped nose

Example: RAHA020030TP

Rotary Action Handler model driver

Device Type RAH	Body Material A	Core ID 020	Core Length 030	Nose Style T	Options P
RAH = Rotary Action Handler	A = Aluminum S = Steel	020 = 2" 075 = 75 mm 030 = 3" 094 = 94 mm 040 = 4" 110 = 110 mm 050 = 5" 140 = 140 mm 060 = 6" 143 = 143 mm 080 = 8"	030 = 3" 070 = 7" 035 = 3.5" 075 = 7.5" 040 = 4" 080 = 8" 045 = 4.5" XXX = Length 050 = 5" 12" Max for aluminum 055 = 5.5" 24" Max for steel 060 = 6" 065 = 6.5"	T = 3 Pin S = 6 Pin B = Single band D = Double band	P = Part present C = Side clamp (available only w/ steel body) I = Interchangeable nose w/ quick-release pins

To be used with "BW" series Pneumatic Balancers. Consult factory for applications with rolls prone to telescoping.