




Lifter Choice Considerations:	For Loads up to a Maximum Normal Capacity of:	Non-Porous 			Semi-Porous 			Porous 		
		Smooth Surface	Semi-Textured	Rough Textured	Smooth Surface	Semi-Textured	Rough Textured	Smooth Surface	Rough Textured	Flexible Material
		Metals, Glass* Sheet Plate	Embossed Metal Plastic Fiberglass	Ribbed, Metal Tread Plate	Finished Wood Polished Stone	Embossed, Textured Surfaces Composites	Ply Wood, Saw-Cut Stone	Concrete Particle Board Foam	Rough, Wood Flamed Stone	Cardboard Boxes Bags
	Cups Used >	Standard	Special	Foam	Standard	Special	Foam	Special	Special	Special
Mechanical Self Powered Lifters Horiz, Sheet/Plate (not glass*)	18,000 lb 8,165 kg	XXXX	-	-	-	-	-	-	-	-
Electric AC Powered Lifters All movements and most Loads	60,000 lb 27,216 kg	XXX	XXX	XXX	XXX	XXX	XX	X	X	-
Battery DC Powered Lifters Mostly for glass installation	+/-5,000 lb 2268 kg	XXX	X	-	XX	-	-	-	-	-
Air Powered Lifters All movements and most Loads	+/-5,000 lb 2268 kg	XXX	XXX	XXX	XXX	XXX	XXX	XX	XX	X
Ergo-Tube Lifting Systems Horiz, Vertical, Tilting Loads	600 lb 272 kg	X	X	X	XX	XX	XX	XXX	XXX	XXXX
VB High Flow Systems Horiz, Vertical, Tilting, Side-Grip	1000 lb 454 kg	X	X	X	XX	XX	XX	XXX	XXX	XXX
VM Low Flow Systems Horiz, Vertical, Tilting, Side-Grip	550 lb 250 kg	XXX	XXX	X	XX	XX	X	-	-	-




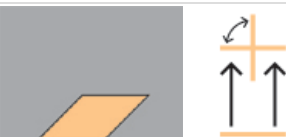

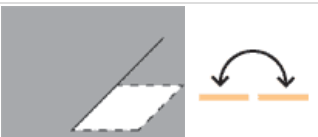
XXXX = Excellent – The primary choice of Lifter for the application.

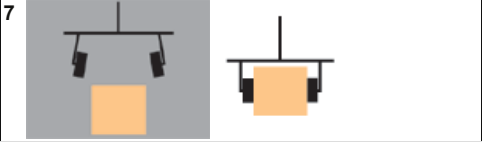
XXX = Better – Works for about all applications shown.

XX = Good – OK for most applications but other choices may have a performance or economical advantage.

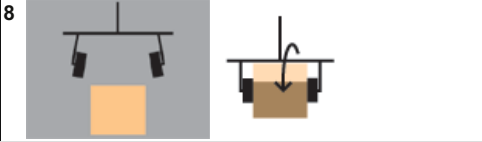
X = Possible – But not the best or most economical choice – sometimes what results in dual use Lifters.

- = Not Suitable – will not work without modifications that are uneconomical.

<p>1</p>  <p>Horizontal Lift</p>	<p>2</p>  <p>Vertical Lift</p>	<p>3</p>  <p>Vertical Lift and Rotation</p>
<p>4</p>  <p>90° Tilting usually fully powered</p>	<p>5</p>  <p>90° Gravity Tilt pivots on edge, used in the Stone industry</p>	<p>6</p>  <p>180° Tilting rare, 90° tilt is usually adequate</p>



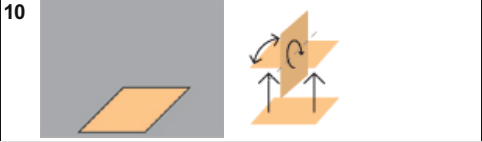
Side-Grip
attaches to sides of loads



Side-Grip and Rotate
can replace flippers, many styles



360° Tilt (Flipper)
rare, usually fully powered



90° Tilting with Rotation
for versatile manipulation

Note: This is a brief general chart with a limited amount of loads. It is designed as an overview only. Feel free to contact us for further information.

