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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 3M Carry Handles

Technical Data

January 2018

**Product Description** 3M™ Carry Handles are durable plastic strips with a non-tacky center insert and adhesive coated at each end. It is easy to create a convenient looped handle when the ends are attached to both sides of a box or package. These handles are available in standard dimensions (see table below) or dimensions can be customized for your application. “CP” Carry Handles are custom-printed to provide additional branding opportunity for retail product, to add bar-codes for bundled packages, or for other purposes.

<b>Construction</b>	3M™ Carry Handle:	Standard white carry portion material.
	3M™ Carry Handle (CP):	Custom printed or colored carry portion material.
	Adhesive:	Pressure-sensitive rubber resin. Requires no heat, moisture or solvent activation prior to use.

**Typical Physical Properties** Note: The following technical information and data should be considered representative or typical only, and should not be used for specification purposes.

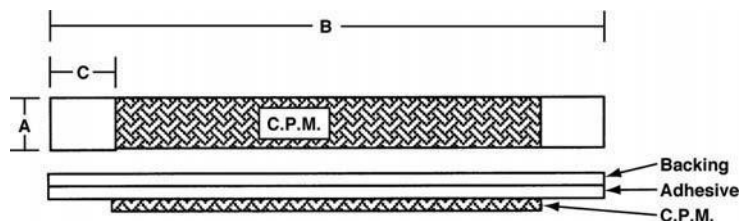
Product #	8310 8310CP	8315 8315CP	8320 8320CP	8330 8330CP	8340 8340CP	8350 8350CP	
Max Load Per Handle (lbs)	10	15	20	30	40	50	
Adhesion to Steel oz/in / N/100mm D-3330	55 / 60	55 / 60	78 / 85	78 / 85	67 / 73	80 / 88	
Tensile Strength lbs/in / N/100mm D-3759	35 / 615	35 / 615	67 / 1174	68 / 1174	190 / 3325	270 / 4728	
Elongation at Break (%) D-3759	160	160	130	130	30	20	
Thickness Mils / mm D-3652	Tape	3.20 / 0.081	3.20 / 0.081	4 / 0.102	4 / 0.102	5.6 / 0.163	7.7 / 0.196
	Carry Portion Material	3.75 / 0.095	3.75 / 0.095	3.75 / 0.095	3.75 / 0.095	3.75 / 0.095	3.75 / 0.095
	Total	6.95 / 0.176	6.95 / 0.176	7.75 / 0.197	7.75 / 0.197	9.4 / 0.274	11.5 / 0.292

# 3M™ Carry Handles

## Features

- Customer convenience – easier to carry bulky packages.
- Custom colors and graphics available for improved branding, promotional messages, or in-store security.
- Excellent adhesion to a variety of package surfaces.
- Easy to apply.
- Stores easily at checkout counters.
- Reduces packaging materials.

## Standard Handle Dimensions



	A Handle Width	B Total Handle Length	C Adhesive Length	Max Load Per
8310 / 8310CP	1 in (25 mm)	17 in (432 mm)	3 in (76 mm)	10 lbs (4.5 kg)
8315 / 8315CP	1 3/8 in (35 mm)	17 in (432 mm) or 23 in (584 mm)	3 in (76 mm) or 6 in (152 mm)	15 lbs (6.8 kg)
8320 / 8320CP	1 in (25 mm)	17 in (432 mm)	3 in (76 mm)	20 lbs (9.0 kg)
8330 / 8330CP	1 3/8 in (35 mm)	23 in (584 mm)	6 in (152 mm)	30 lbs (13.6 kg)
8340 / 8340CP	1 3/8 in (35 mm)	23 in (584 mm)	6 in (152 mm)	40 lbs (18.1 kg)
8350 / 8350CP	1 3/8 in (35 mm)	23 in (584 mm)	6 in (152 mm)	50 lbs (22.6 kg)

## Application Ideas

- Handling products, such as: small appliances, small electronics, toys, lawn, garden, houseware and hardware items and some industrial products.
- Combining products (multipacks, duo-pouches or bags).
- Providing special promotional messages or UPC codes.

# 3M™ Carry Handles

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## Application Techniques Recommended Surfaces

- Paperboard printed and unprinted
- Corrugated cardboard
- Polyethylene and polypropylene (strong shrink film/poly bags)
- Polyester film
- Polyvinyl chloride (PVC) film

## Surfaces That Should Be Reviewed For Suitability

- Wax coated/siliconized surfaces
- Wet surfaces (moisture condensation)
- Cold surfaces (< 50°F [10°C])
- Some lacquer coated board
- Rough textured surfaces on which tape surface contact is significantly reduced

## Application Instructions

1. Select appropriate carry handle to meet package weight limit.
2. Remove a single handle from pad and apply one end to side of package. Press full length of adhesive tape leg firmly onto package side with hand pressure.
3. Lay handle across top of package using hand to form a snug loop; press full length of remaining adhesive tape leg firmly onto the opposite side with hand pressure.
4. Handles should be attached to the sides and the bottom of boxes with unsealed top flaps.
5. Do not apply the majority of or the entire adhesive portion of the handle to top of box. Adhesive legs must be positioned on the package sides (vertical dimension) to insure application success.

# 3M™ Carry Handles

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## Technical Information

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**ISO 9001**

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.



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