



GUIDE SELECTOR

ELSCO's easy-to-use Guide Selector Charts help identify the perfect guide package that optimizes Ride Quality for almost any elevator application.

GUIDE SELECTOR CHARTS

How to use the ELSCO Guide Selector charts

The recommendations provided in the charts are intended to serve only as general guidelines. Carefully read all notes and instructions before making your guide selection, and contact ELSCO with any questions.

FIND YOUR ELEVATOR TYPE

- › Determine which chart you need to reference - Passenger, Hospital or Service/Freight

VERIFY YOUR PLATFORM DIMENSIONS

- › You should be sure that your platform falls entirely within the platform dimensions listed for each chart. If not, you'll need to call ELSCO directly to discuss the particulars of your application

PASSENGER ELEVATORS - PLATFORM UP TO 10' WIDE X 8' DEEP (3050 mm X 2440 mm)

ELEVATOR CAPACITY RANGE	ELEVATOR SPEED RANGE							
	UP TO 500 fpm (2.5 m/s)		600-800 fpm (3.0-4.0 m/s)		1,000-1,200 fpm (5.0-6.0 m/s)		1,400 fpm (7.0 m/s) AND FASTER	
	CAR	COUNTERWEIGHT	CAR	COUNTERWEIGHT	CAR	COUNTERWEIGHT	CAR	COUNTERWEIGHT
≤3,000 lbs 1,350 kg	Model B	Model D	Model A	Model C	Express-3	Model C	Express-6	Model A
3,500 lbs 1,600 kg	Model B	Model D	Model A	Model C	Express-3	Model C	Express-6	Model A
4,000 lbs 1,800 kg	Model B	Model D	Model A	Model C	Express-3	Model C	Express-6	Model A
4,500 lbs 2,050 kg	Model A	Model C	Model A	Model C	Express-3	Model C	Express-6	Model A
5,000 lbs 2,300 kg	Model A	Model C	Model A	Model C	Express-3	Model C	Express-6	Model A
6,000 lbs 2,700 kg	Model A	Model C	Model A	Model C	Express-6	Model A	Express-6	Model A
7,000 lbs 3,200 kg	Model A	Model C	Model A	Model C	Elevators in this high speed and capacity range often involve additional complexities that you should discuss with an ELSCO guide specialist before to ordering.			
8,000-10,000 lbs 3,600-4,500 kg	Model A with red polyurethane rollers	Model C with red polyurethane rollers						

FIND YOUR CAPACITY

- › Scan down to find the capacity load that most accurately describes your elevator

FIND YOUR SPEED

- › Scan along the top of the chart to find the speed range that most accurately describes your elevator

FIND YOUR ROLLER GUIDE!

- › You will find the ELSCO-recommended car and counterweight roller guides listed where your elevator's speed and capacity intersect

Some engineers use guide force ratings (sometimes referred to as "Max Roller Forces," "Fx/Fy" or "FF1/FF2" loads) in specifying roller guides and swivel slide guides. These maximum force ratings are useful in determining whether or not a roller guide will suffer catastrophic failure in a worst-case-scenario (e.g. safety application at full speed with an unbalanced load), but in isolation, they are not appropriate substitutes for the specifications listed herein.

CAUTION:

The recommendations provided in the enclosed charts are intended to serve only as general guidelines. ELSCO guides can frequently be used outside of the strict classifications listed above; this chart presents only the most typical roller guide solutions for the conditions specified. Many considerations go into the proper selection of a roller guide. Although speed and capacity are the primary determinants, other variables (e.g. platform dimensions, rail alignment, car balance, loading class, clearance limitations) may also have an impact. Please contact an ELSCO guide specialist at (410)363-9020 to discuss your roller guide selection today.

GUIDE SELECTOR CHARTS

Note: Unless otherwise specified, the guides recommended in the charts below should be equipped with ride quality-optimizing neoprene rubber roller wheels.

		PASSENGER ELEVATORS - PLATFORM UP TO 10' WIDE X 8' DEEP (3050 mm X 2440 mm)							
		ELEVATOR SPEED RANGE							
		UP TO 500 fpm (2.5 m/s)		600-800 fpm (3.0-4.0 m/s)		1,000-1,200 fpm (5.0-6.0 m/s)		1,400 fpm (7.0 m/s) AND FASTER	
		CAR	COUNTERWEIGHT	CAR	COUNTERWEIGHT	CAR	COUNTERWEIGHT	CAR	COUNTERWEIGHT
ELEVATOR CAPACITY RANGE	≤3,000 lbs 1,350 kg	Model B	Model D	Model A	Model C	Express-3	Model C	Express-6	Model A
	3,500 lbs 1,600 kg	Model B	Model D	Model A	Model C	Express-3	Model C	Express-6	Model A
	4,000 lbs 1,800 kg	Model B	Model D	Model A	Model C	Express-3	Model C	Express-6	Model A
	4,500 lbs 2,050 kg	Model A	Model C	Model A	Model C	Express-3	Model C	Express-6	Model A
	5,000 lbs 2,300 kg	Model A	Model C	Model A	Model C	Express-3	Model C	Express-6	Model A
	6,000 lbs 2,700 kg	Model A	Model C	Model A	Model C	Express-6	Model A	Express-6	Model A
	7,000 lbs 3,200 kg	Model A	Model C	Model A	Model C	Elevators in this high speed and capacity range often involve additional complexities that you should discuss with an ELSCO guide specialist before ordering.			
	8,000-10,000 lbs 3,600-4,500 kg	UP TO 300 fpm (1.5 m/s) CAR COUNTERWEIGHT							
	Model A with red polyurethane rollers	Model C with red polyurethane rollers							

		HOSPITAL ELEVATORS - PLATFORM UP TO 6' WIDE X 10' DEEP (1830 mm X 3050 mm)							
		ELEVATOR SPEED RANGE							
		UP TO 250 fpm (1.25 m/s)		300-500 fpm (1.5-2.5 m/s)		600-800 fpm (3.0-4.0 m/s)		1,000-1,200 fpm (5.0-6.0 m/s)	
		CAR	COUNTERWEIGHT	CAR	COUNTERWEIGHT	CAR	COUNTERWEIGHT	CAR	COUNTERWEIGHT
ELEVATOR CAPACITY RANGE	≤3,000 lbs 1,350 kg	Model B	Model D	Model B	Model D	Model A	Model C	Express-3	Model C
	3,500 lbs 1,600 kg	Model B	Model D	Model A	Model D	Model A	Model C	Express-3	Model C
	4,000 lbs 1,800 kg	Model A	Model D	Model A	Model C	Model A	Model C	Express-3	Model C
	4,500 lbs 2,050 kg	Model A	Model C	Model A	Model C	Model A	Model C	Elevators in this high speed and capacity range often involve additional complexities that you should discuss with an ELSCO guide specialist before ordering.	
	5,000 lbs 2,300 kg	Model A	Model C	Model A	Model C	Model A	Model C		
	6,000 lbs 2,700 kg	Model A with green polyurethane rollers	Model C with green polyurethane rollers	Model A with green polyurethane rollers	Model C with green polyurethane rollers	Elevators in this high speed and capacity range often involve additional complexities that you should discuss with an ELSCO guide specialist before ordering.			
	7,000 lbs 3,200 kg	Model A with green polyurethane rollers	Model C with green polyurethane rollers	Model A with green polyurethane rollers	Model C with green polyurethane rollers				
	8,000-10,000 lbs 3,600-4,500 kg	Model A with red polyurethane rollers	Model C with red polyurethane rollers						

		SERVICE AND FREIGHT ELEVATORS - PLATFORM UP TO 10' WIDE X 8' DEEP (3050 mm X 2440 mm)							
		ELEVATOR SPEED RANGE							
		UP TO 250 fpm (1.25 m/s)		300-500 fpm (1.5-2.5 m/s)		600-800 (3.0-4.0 m/s)		1,000-1,200 fpm (5.0-6.0 m/s)	
		CAR	COUNTERWEIGHT	CAR	COUNTERWEIGHT	CAR	COUNTERWEIGHT	CAR	COUNTERWEIGHT
ELEVATOR CAPACITY RANGE	≤3,000 lbs 1,350 kg	Model B	Model D	Model B	Model D	Model A	Model C	Express-3	Model C
	3,500 lbs 1,600 kg	Model B	Model D	Model A	Model D	Model A	Model C	Express-3	Model C
	4,000 lbs 1,800 kg	Model A	Model D	Model A	Model C	Model A	Model C	Express-3	Model C
	4,500 lbs 2,050 kg	Model A	Model C	Model A	Model C	Model A	Model C	Elevators in this high speed and capacity range often involve additional complexities that you should discuss with an ELSCO guide specialist before ordering.	
	5,000 lbs 2,300 kg	Model A	Model C	Model A	Model C	Model A	Model C		
	6,000 lbs 2,700 kg	Model A with green polyurethane rollers	Model C with green polyurethane rollers	Model A with green polyurethane rollers	Model C with green polyurethane rollers	Elevators in this high speed and capacity range often involve additional complexities that you should discuss with an ELSCO guide specialist before ordering.			
	8,000 lbs 3,600 kg	Model A with green polyurethane rollers	Model C with green polyurethane rollers	Model A with green polyurethane rollers	Model C with green polyurethane rollers				
	10,000 lbs 4,500 kg	Model A with red polyurethane rollers	Model C with red polyurethane rollers						

GUIDE SELECTOR CHARTS

SWIVEL SLIDE GUIDE APPLICATIONS

Use the passenger car or passenger counterweight table depending on the roller guide usage. Find the intersection of the passenger car or counterweight's speed and capacity to confirm the roller guide is recommended for the application.

For maximum performance and gib life, use the largest swivel sliding guide shoe that space will permit. ELSCO's molybdenum-disulfide filled nylon gibs are impregnated with a solid lubricant that provides superior wear characteristics in unlubricated installations.

ELSCO swivel sliding guide shoes are made to accept 5/8" (16mm) width guide rails in stock configuration. Each swivel sliding guide shoe can be modified for 3/4" (19mm) rails which must be specified at the time of purchase. Other rail widths may be accommodated as special orders, but should be discussed with an ELSCO guide specialist.

ELEVATOR CAPACITY RANGE	PASSENGER CAR PLATFORM UP TO 10' WIDE X 8' DEEP (3050 mm X 2440 mm)		HOSPITAL CAR PLATFORM UP TO 6' WIDE X 10' DEEP (1830 mm X 3050 mm) FREIGHT/SERVICE CAR PLATFORM UP TO 10' WIDE X 8' DEEP (3050 mm X 2440 mm)		PASSENGER, HOSPITAL, FREIGHT/ SERVICE COUNTERWEIGHT	
	ELEVATOR SPEED RANGE					
	UP TO 350 fpm (1.75 m/s)		UP TO 350 fpm (1.75 m/s)		UP TO 350 fpm (1.75 m/s)	
≤3,500 lbs 1,600 kg	SA-8	SA-8	SA-8	SA-15	SD-8	
4,000 lbs 1,800 kg					SC-8	
5,000 lbs 2,300 kg						
6,000 lbs 2,700 kg						
7,000 lbs 3,200 kg					SA-15	
8,000 lbs 3,600 kg						
10,000 lbs 4,500 kg	SA-15					

MODEL E ROLLER GUIDE APPLICATIONS

Use the passenger car or passenger counterweight table depending on the roller guide usage. Find the intersection of the passenger car or counterweight's speed and capacity to confirm the roller guide is recommended for the application.

ELEVATOR CAPACITY RANGE	PASSENGER CAR PLATFORM UP TO 10' WIDE X 8' DEEP (3050 mm X 2440 mm)			PASSENGER COUNTERWEIGHT		
	ELEVATOR SPEED RANGE					
	100 fpm (0.5 m/s)	200 fpm (1.0 m/s)	300 fpm (1.5 m/s)	100 fpm (0.5 m/s)	250 fpm (1.3 m/s)	500 fpm (2.5 m/s)
≤ 2,000 lbs 900 kg						
2,500 lbs 1,100 kg		●				
3,000 lbs 1,400 kg	●					
3,500 lbs 1,600 kg						
4,000 lbs 1,800 kg						
4,500 lbs 2,000 kg						● Red Polyurethane

ADDITIONAL CONSIDERATIONS

Model E Roller Guides can be used on hydraulic elevators in applications up to 3,000 lbs (1,400 kg). When roller wheel pressures can be held at 25 to 50 lbs (12-25 kg), use ELSCO's premium neoprene roller wheels. If pressures are greater use red polyurethane roller wheels.

For all application questions, please contact ELSCO Customer Service for technical support and recommendations.