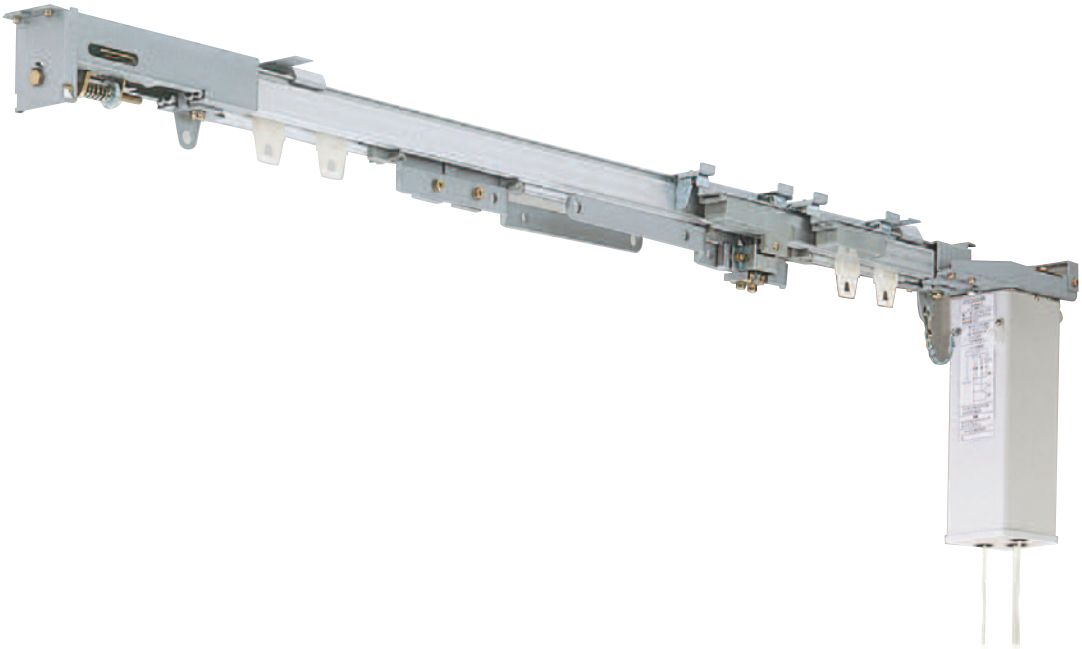
BJERRING

THEATRAC

Motorized Curtain Track



Motorized rail for heavy draperies in locations such as theaters and gymnasiums.

Available for an installation hung from a pipe.

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Powerful + Theatrac

Powerful + Theatrac s Unique Features

Exceptionally durable wire used for motor drive transmission.

Passed a 10,000 cycle open-close test.

Ready for draperies up to 20 m (787") long with 120 kg (265 lb) in weight.

Motor Specifications

Item		Powerful 3L Series				Powerful 4P Series					
		Powerful 3L 220 V		Powerful 3L-HM 220 V		Powerful 4P 220 V		Powerful 4P-HM 220 V		Powerful 4P-HL 220 V	
Rated power voltage	VAC	220		220		220		220		220	
Rated power frequency	Hz	50	60	50	60	50	60	50	60	50	60
Rated power current	A	0.4	0.35	0.4	0.35	0.4	0.35	0.4	0.35	0.4	0.35
Power consumption	W	80	75	80	75	80	75	80	75	80	75
Operating voltage	VAC	Same as power source		Same as power source		Same as power source		Same as power source		Same as power source	
Operating current	A										
Time rating	min.	5		5		5		5		5	
Overheat protection operating temperature	C	120±10		120±10		120±10		120±10		120±10	
Internal electric circuit		Built-in Inter rock circuit		Built-in Inter rock circuit		Auto keep circuit, built-in Inter rock circuit		Auto keep circuit, built-in Inter rock circuit		Auto keep circuit, built-in Inter rock circuit	
Operating switch spec.		Locker switch		Locker switch		3-button momentary contact switch Open: A contact Stop: B contact Close: A contact		3-button momentary contact switch Open: A contact Stop: B contact Close: A contact		3-button momentary contact switch Open: A contact Stop: B contact Close: A contact	
Weight of main unit	kg (lb)	1.8 (4.0)		1.8 (4.0)		1.8 (4.0)		1.8 (4.0)		1.8 (4.0)	
Operating time	sec./m	3	2.5	5	4	3	2.5	5	4	10	8
Maximum curtain weight	kg (lb)	80 (176)		100 (221)		80 (176)		100 (221)		120 (265)	
Maximum rail length	m (in)	20 (787")		20 (787")		20 (787")		20 (787")		10 (394")	

*Maximum curtain weight is for a two-way draw.

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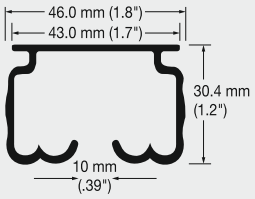
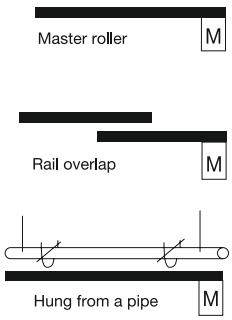
Applicable Range

Type of curtain track	Theatrac 
Installation Pattern	Straight
	
Power transmission type	Wire type

Powerful 3L Powerful 4P	Maximum curtain weight	kg (lb)	80 (176)
	Maximum rail length	m (in)	20 (787")
Powerful 3L-HM	Maximum curtain weight	kg (lb)	100 (221)
	Maximum rail length	m (in)	20 (787")
Powerful 4P-HM	Maximum curtain weight	kg (lb)	100 (221)
	Maximum rail length	m (in)	20 (787")
Powerful 4P-HL	Maximum curtain weight	kg (lb)	120 (265)
	Maximum rail length	m (in)	10 (394")

*Maximum curtain weight is for a two-way draw.

Stack-off Allowance Guide

Type	One-way Draw	Two-way Draw	
		Master Roller	Rail Overlap
Straight	$\frac{(\ell\ 550\text{ mm})}{100\text{ mm}}$ X 17 mm + 530 mm $\frac{(\ell\ 22")}{3.9"}$ X .67" + 21"	$\frac{(\ell\ 720\text{ mm})}{200\text{ mm}}$ X 17 mm + 700 mm $\frac{(\ell\ 28")}{7.9"}$ X .67" + 28"	$\frac{(\ell + 220\text{ mm})}{200\text{ mm}}$ X 17 mm + 360 mm $\frac{(\ell + 8.7")}{7.9"}$ X .67" + 14"

*Number of rollers: 6 pcs per meter. Overlap space for the overlap rail: 500 mm (20"). ℓ: total length. Two-way Draw in the table shows a length of stack-off space for one (half) panel.

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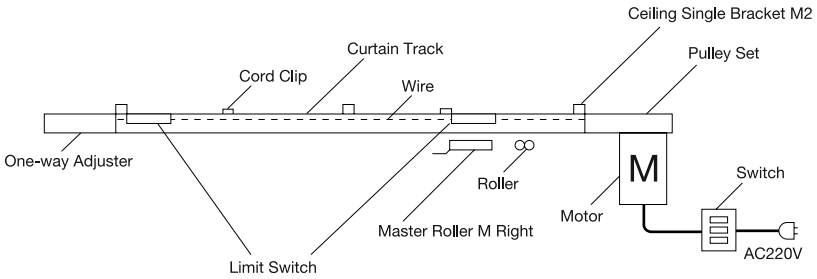
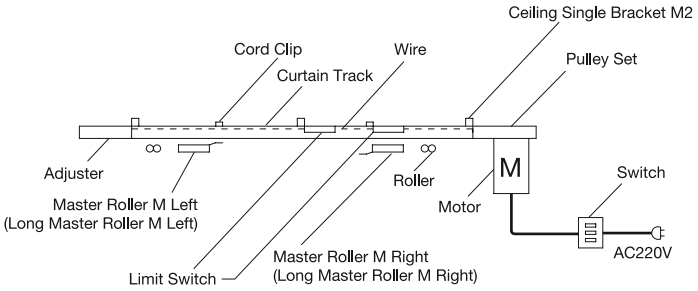
Component Parts

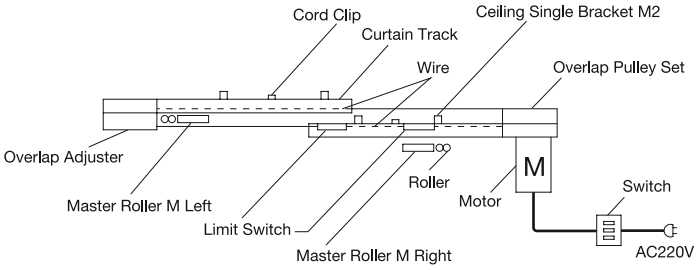
Straight: One-way draw



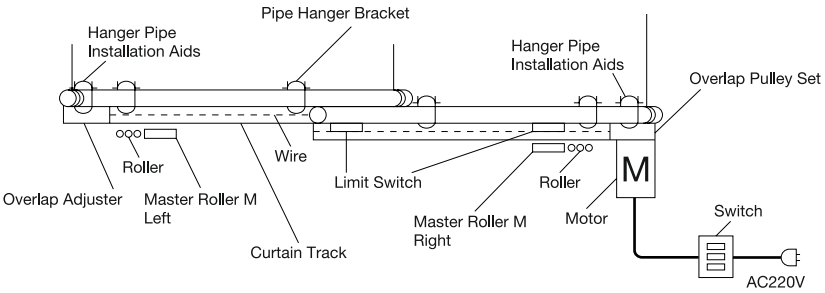
Straight: Two-way draw (Master roller)



Straight: Rail overlap

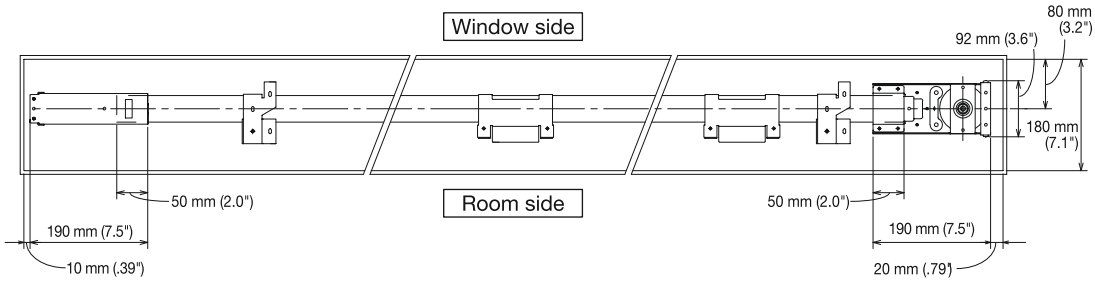


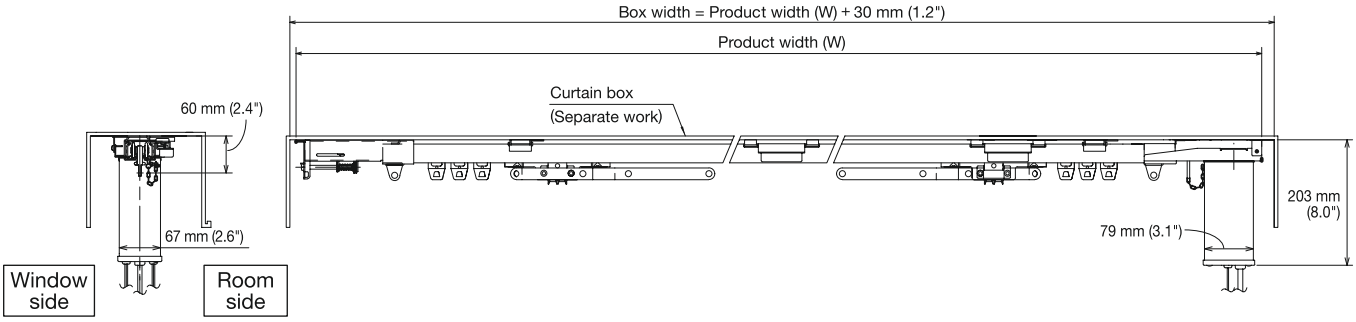
Straight: Hung from pipes (Master roller)



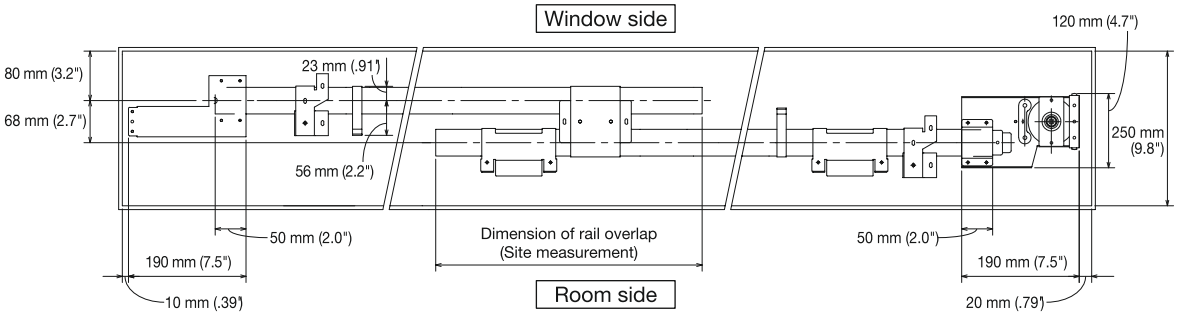
Installation Dimensions and Diagram

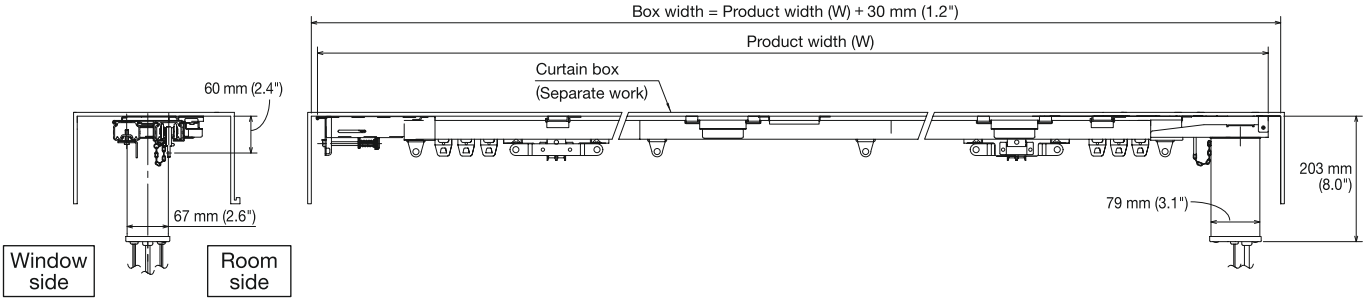
Straight: ceiling single attachment (Master roller)



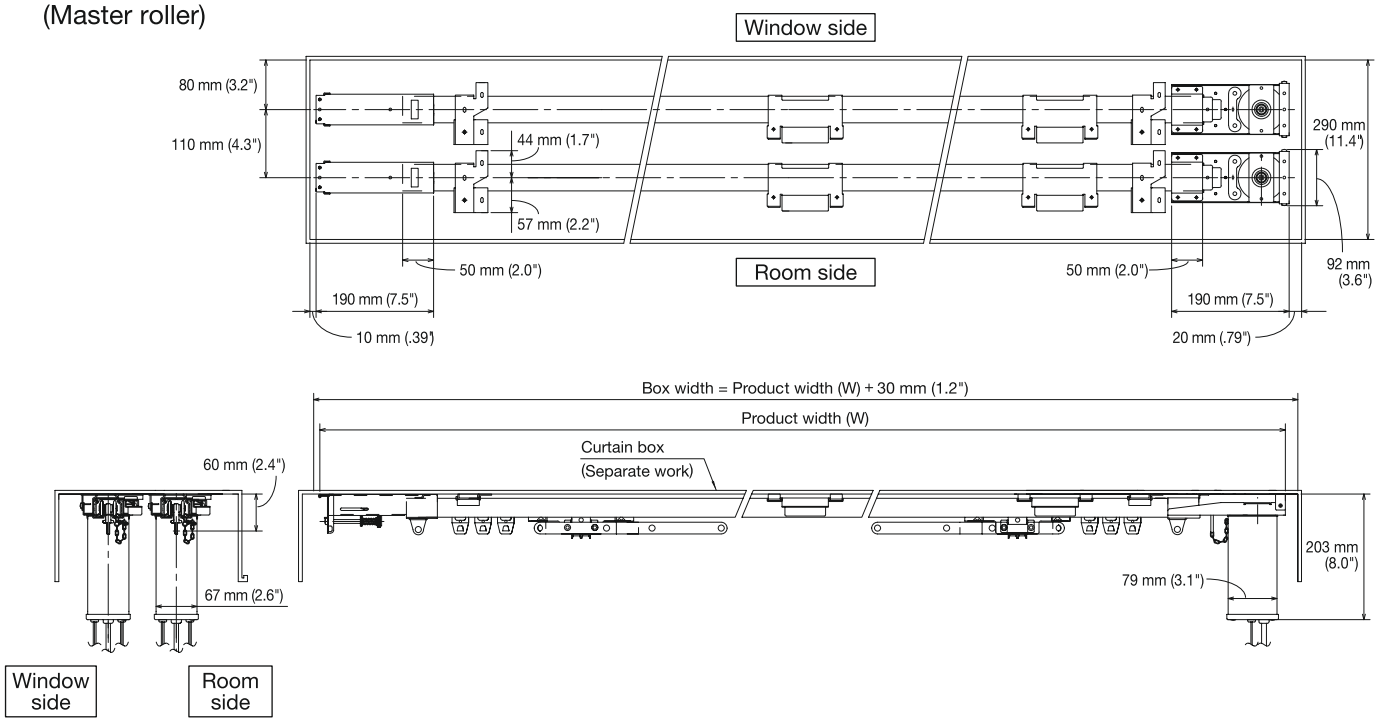


Straight: ceiling single attachment (Rail overlap)

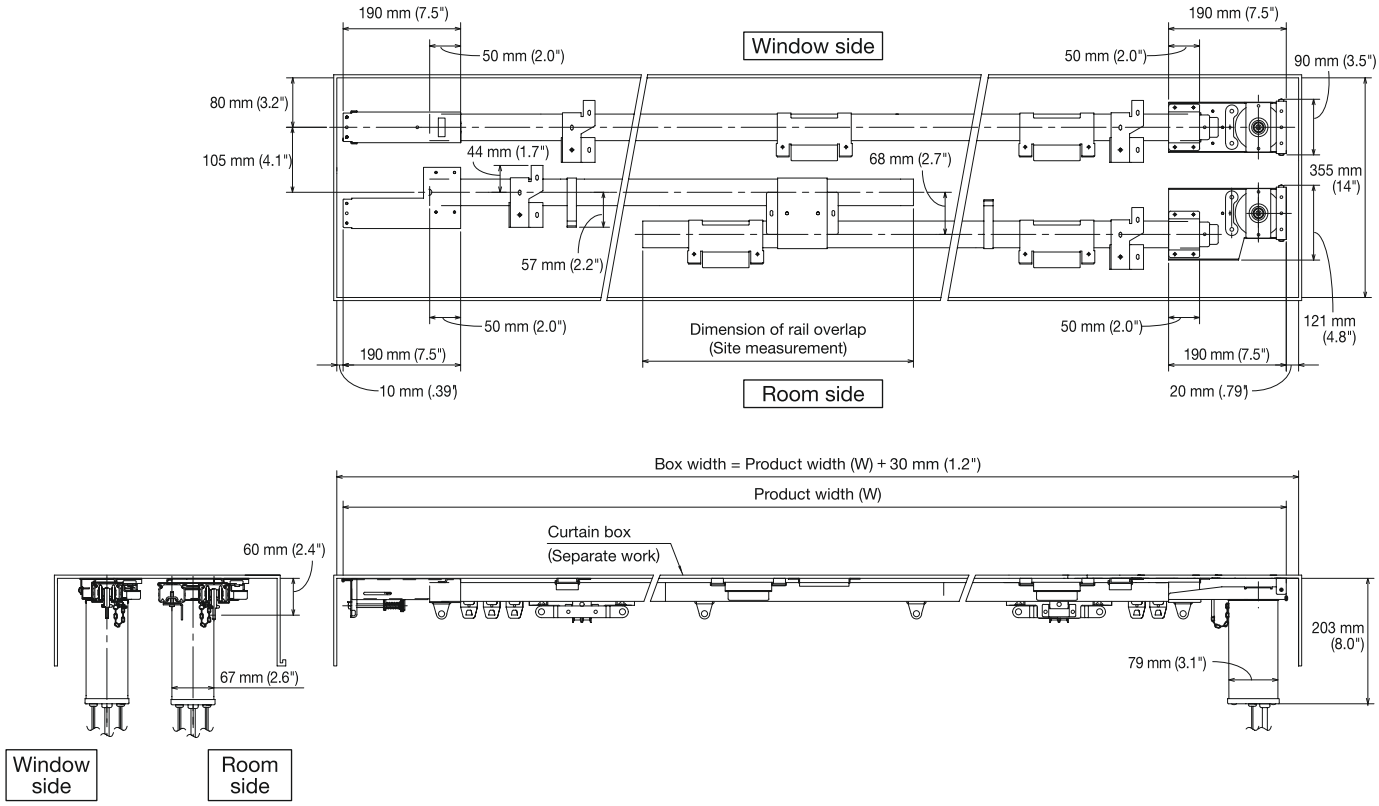




Straight: ceiling double attachment
(Master roller)



Straight: ceiling double attachment
(Room side: Rail overlap, Window side: Master roller)



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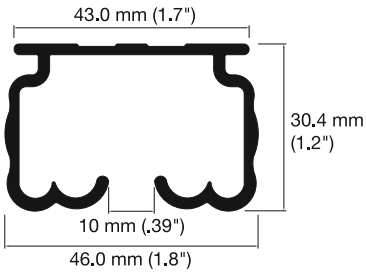
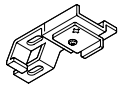
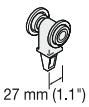
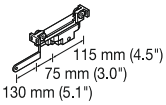
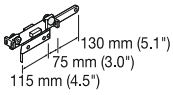
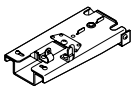
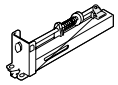
Theatrac Rails

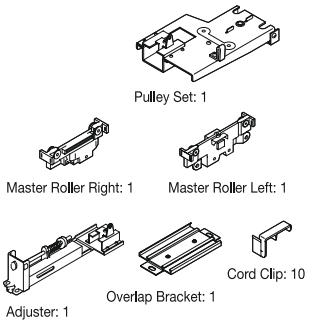
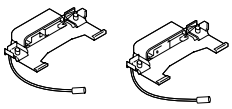
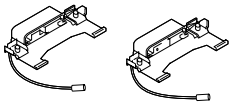


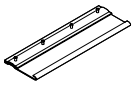
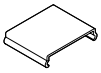
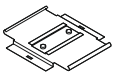
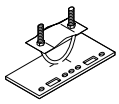
Natural Rails

Size	Product Code
3.00 m (118")	00250018
4.00 m (157")	00250017

Powerful + Theatrac Parts

Product Name	Product Code
TH Ceiling Single Bracket M2 	00510090
TH Roller  27 mm (1.1")	00250012
TH Master Roller M Right (wire)  115 mm (4.5") 75 mm (3.0") 130 mm (5.1") ℓ = 335 mm (13")	00510092
TH Master Roller M Left (wire)  130 mm (5.1") 75 mm (3.0") 115 mm (4.5") ℓ = 335 mm (13")	00510093
TH Pilot Roller M Right (wire) 130 mm (5.1") ℓ = 170 mm (6.7")	00510094
TH Pilot Roller M Left (wire) 130 mm (5.1") ℓ = 170 mm (6.7")	00510095
TH Pulley Set (wire) 	00510097
TH Adjuster 	00510098

Product Name	Product Code
TH Overlap Installation Kit M  Pulley Set: 1 Master Roller Right: 1 Master Roller Left: 1 Adjuster: 1 Overlap Bracket: 1 Cord Clip: 10	00510089
TH Limit Switch A  Two-way draw: 10 m (394") or less One-way draw: 5 m (197") or less Rail overlap (1000 mm/39"): 9 m (354") or less	00510320
TH Limit Switch B  Two-way draw: 10 m (394") to 20 m (787") One-way draw: 5 m (197") to 10 m (394") Rail overlap (500 mm/20"): 9.5 m (374") to 19 m (748")	00510321

Product Name	Product Code
TH OT Splice 	00250007
Wire 2.5	00510079
TH Cord Clip 	00510096
TH Overlap Bracket 	00250022
TH Pipe Hanger Bracket for 3350 mm (1.32.0")	00510204
Hanger Pipe Installation Aids (available Supertrac) for 3350 mm (1.32.0") 	00510203

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