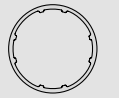
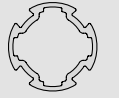


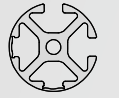
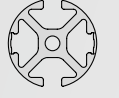
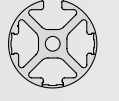
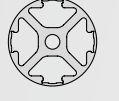




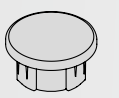


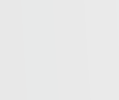

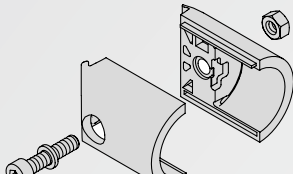
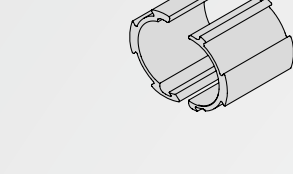
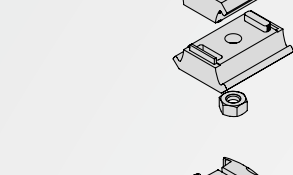

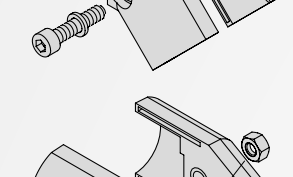
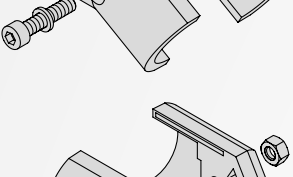
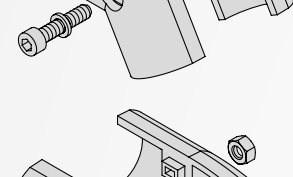

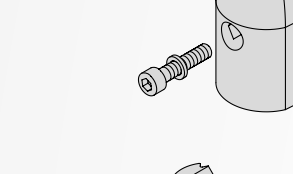
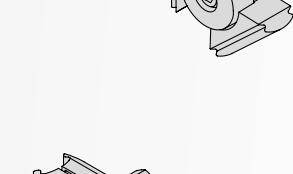
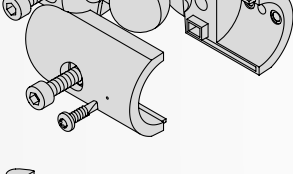
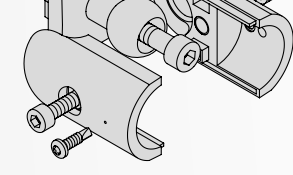
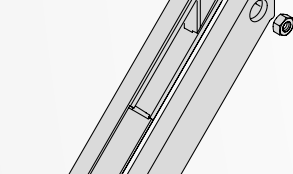
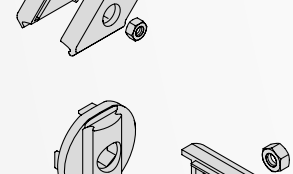
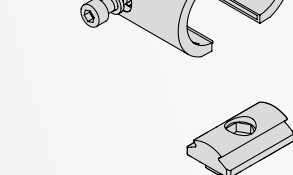

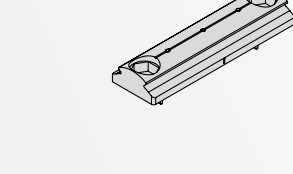
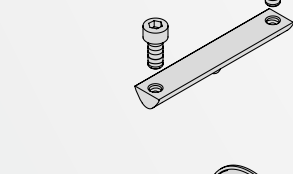
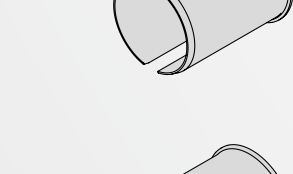
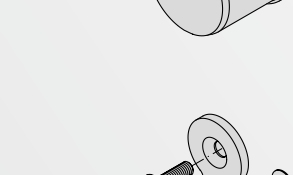
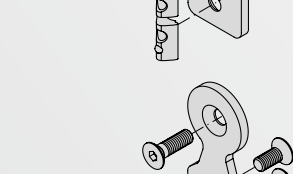



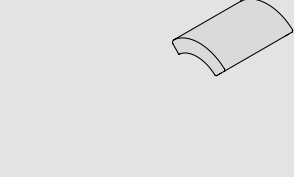



Line D30 – LPS

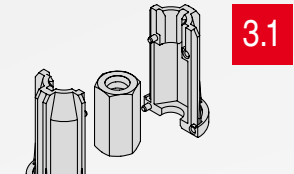
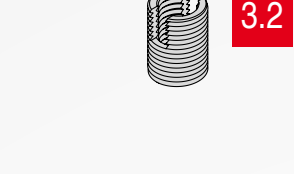
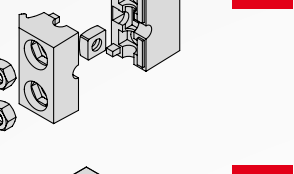
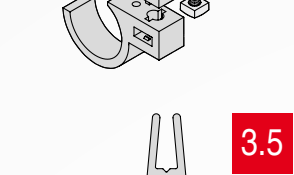
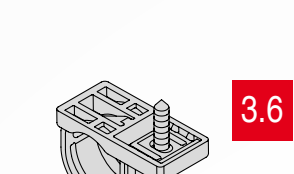
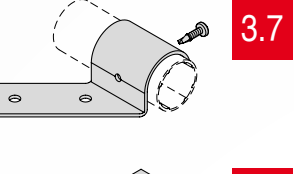
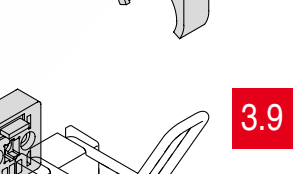
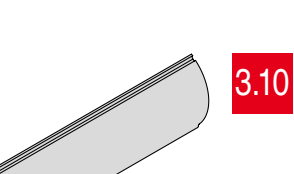
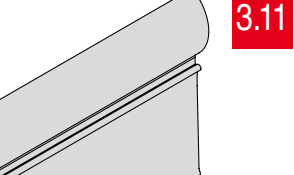
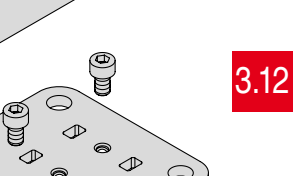

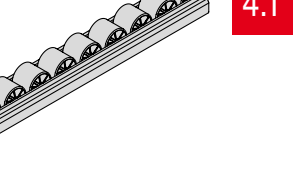
1 PROFILES / ACCESSORIES

-  **1.1** Tube D30
0.0.628.52 natural
-  **1.2** Profile Tube D30
0.0.628.17 natural
0.0.643.21 black ESD
0.0.643.14 red
0.0.643.15 yellow
0.0.643.16 green
0.0.643.17 blue
0.0.643.18 grey
0.0.643.19 white
-  **1.3** Profile 6 D30
0.0.616.45 natural
-  **1.4** Profile 6 D30 1N
0.0.615.08 natural
-  **1.5** Profile 6 D30 2N90
0.0.615.11 natural
-  **1.6** Profile 6 D30 2N180
0.0.614.23 natural
-  **1.7** Profile 6 D30 3N
0.0.615.16 natural
-  **1.8** Profile 6 D30 4N
0.0.616.48 natural
-  **1.9** Profile Tube D30 heavy duty
0.0.642.33 natural
-  **1.10** Tube KH D30x11.6
0.0.643.70 anthracite
-  **1.11** Tube Protector D30x13
0.0.641.23 grey
-  **1.12** Tube Protector D30 Fixing Clip
0.0.654.04
-  **1.13** Cap, Tube D30
0.0.629.78
0.0.637.04 ESD
-  **1.14** Cap, Profile Tube D30 heavy duty
0.0.648.68
0.0.649.35 ESD
-  **1.15** Cap 6 D30
0.0.634.45
0.0.637.03 ESD
-  **1.16** Cap, Tube KH D30
0.0.649.31
-  **1.17** Tube End Cap D30
0.0.643.96
0.0.644.65 ESD

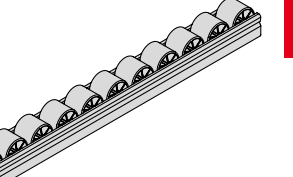
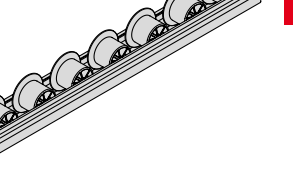
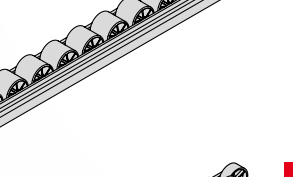
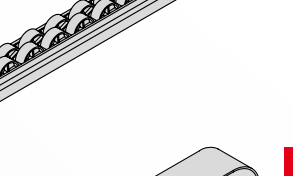
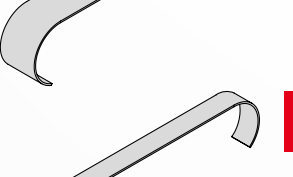
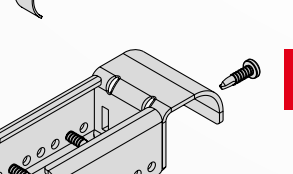
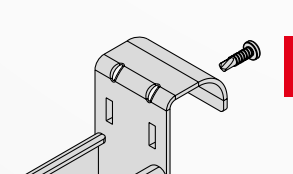
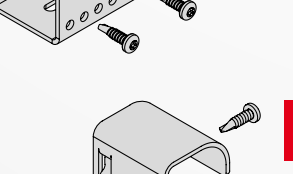
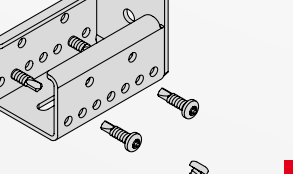
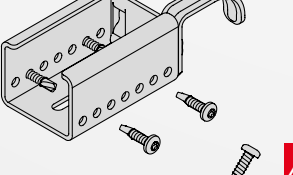
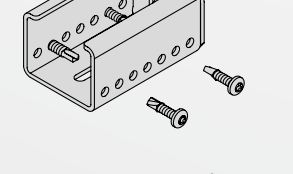
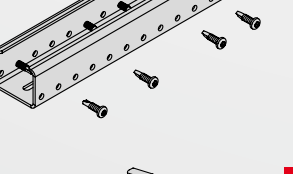
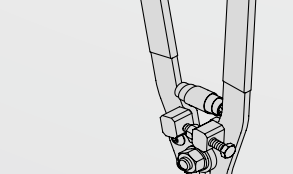
2 FASTENERS

-  **2.1** Fastener D30
0.0.623.56
-  **2.2** Tube Adapter D30
0.0.630.61
-  **2.3** Parallel Fastener D30
0.0.629.94
-  **2.4** Transverse Fastener D30
0.0.637.90
-  **2.5** Fastener D30-45°
0.0.637.87
-  **2.6** Butt Fastener D30-30°
0.0.646.10
-  **2.7** Butt Fastener D30-60°
0.0.646.94
-  **2.8** Butt Fastener D30-90°
0.0.647.02
-  **2.9** Angle Fastener D30
0.0.630.60
-  **2.10** Ball Joint Fastener D30
0.0.646.85
-  **2.11** Ball Joint Fastener 8 D30
0.0.650.98
-  **2.12** Bracing Strut D30-90°
0.0.629.95
-  **2.13** End Connector 8 D30-90°
0.0.629.97
-  **2.14** Adapter 8 D30
0.0.630.51
-  **2.15** Fastening Set 8 D30
0.0.653.82
-  **2.16** Adapter 8 80 D30
0.0.653.24
-  **2.17** Fastening Set 8 80 D30
0.0.653.06
-  **2.18** Adapter D30/D28 - 37
0.0.638.88
-  **2.19** Adapter D30/D28-25
0.0.642.62
-  **2.20** Tube Holder 6 D30
0.0.642.23
-  **2.21** Tube Holder 8 D30
0.0.642.05
-  **2.22** Anti-Torsion Block 6 D30
0.0.630.39
-  **2.23** Anti-Torsion Block 6 D30-45°
0.0.630.40
-  **2.24** Cap D30 R
0.0.624.11
-  **2.25** Cap D30 F
0.0.629.80
-  **2.26** Tube Adapter Cap D30
0.0.630.23

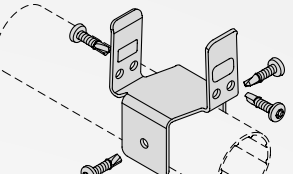
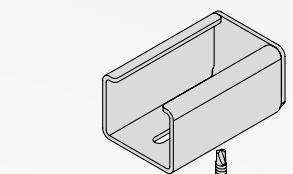
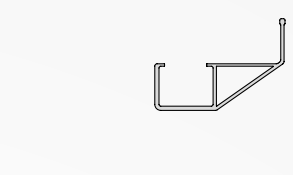

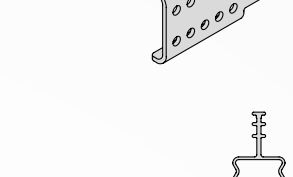
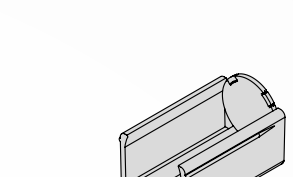
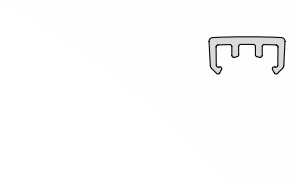

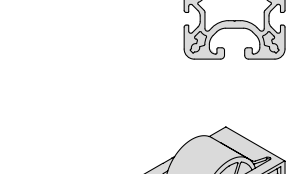

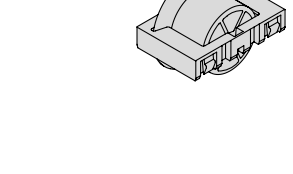
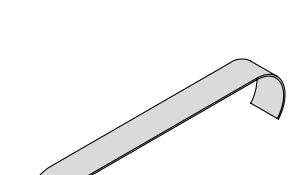
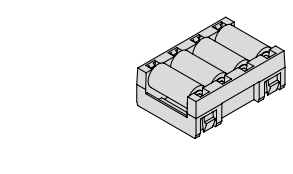
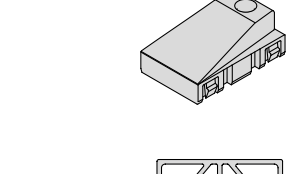
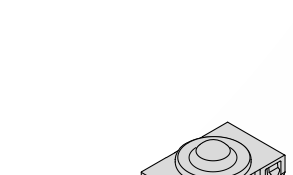
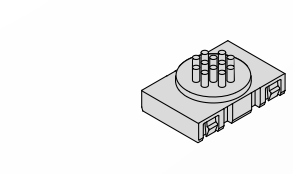
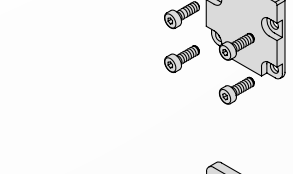
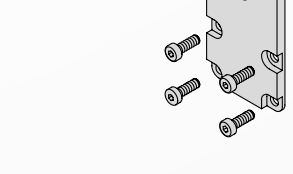
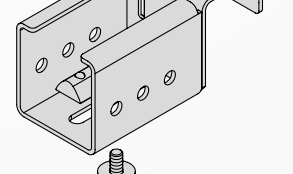
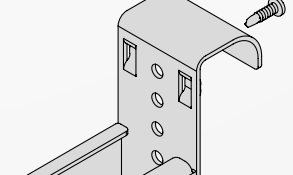
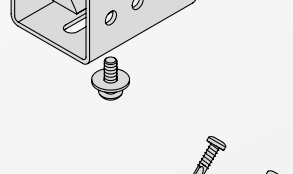
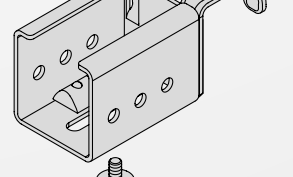
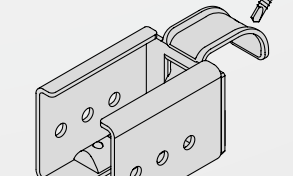
3 FASTENING ELEMENTS

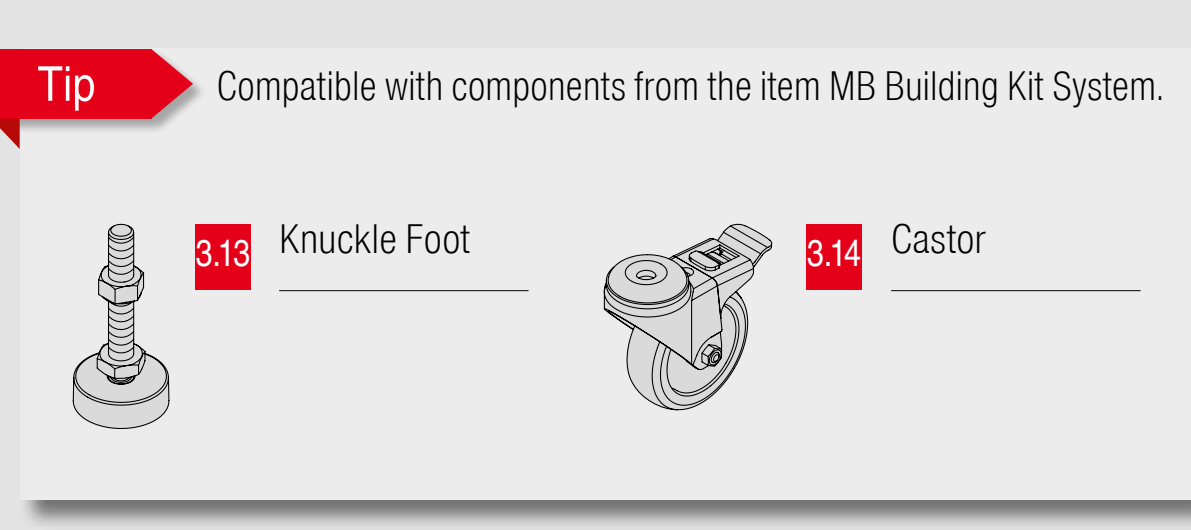
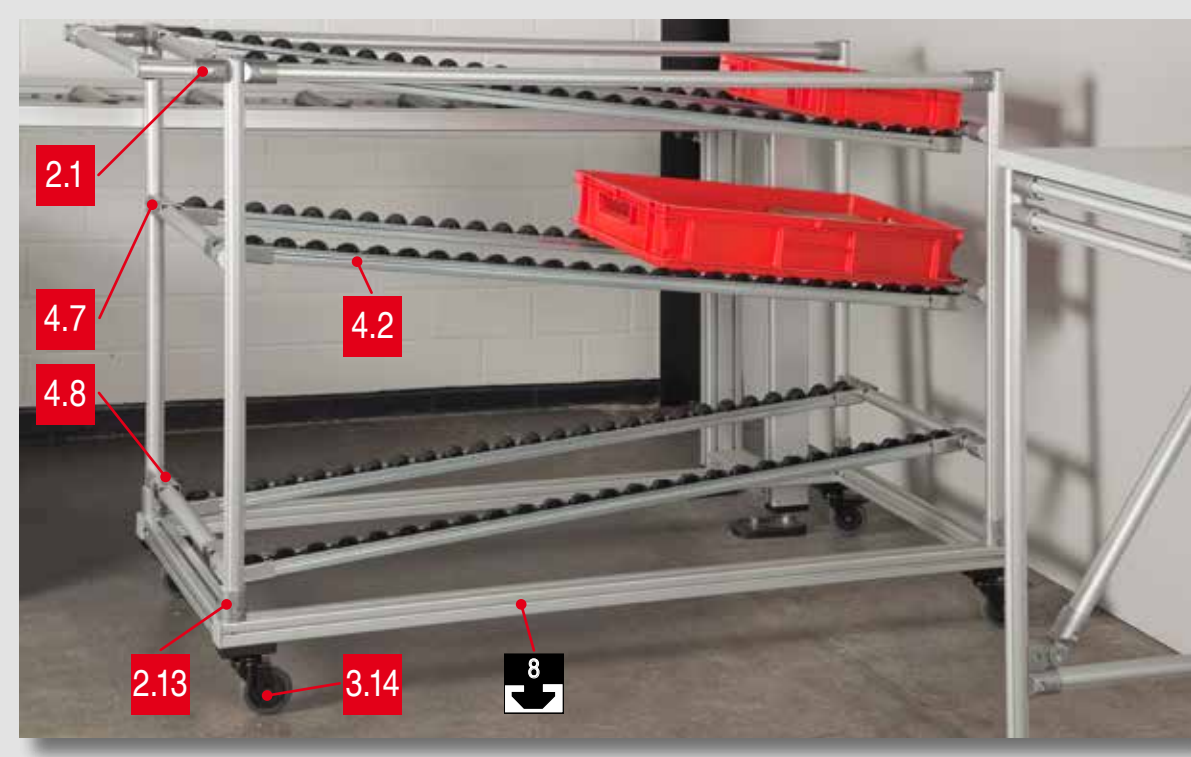
-  **3.1** Threaded Insert D30
0.0.641.00 M6
0.0.640.99 M6 ESD
0.0.640.96 M8
0.0.640.98 M8 ESD
0.0.634.36 M10
0.0.640.82 M10 ESD
-  **3.2** Threaded Insert, Profile Tube D30 heavy duty M12
0.0.648.64
-  **3.3** Multiblock D30
0.0.629.96
-  **3.4** Panel Fastener D30
0.0.630.74
-  **3.5** Panel-Fixing Profile D30 3-5 mm
0.0.649.29
0.0.652.81 ESD
-  **3.6** Table-Top Fastening Set D30
0.0.646.91
-  **3.7** Table-Top Fastening Bracket D30
0.0.647.11
-  **3.8** Tube Clamp D30
0.0.630.83
-  **3.9** Hook and Holder Adapter D30
0.0.644.57 grey
0.0.645.27 black
-  **3.10** Label Holder D30-100
0.0.644.69
-  **3.11** Label Holder D30-100 flex
0.0.644.71
-  **3.12** Flange D30-90x90
0.0.655.54

4 MATERIAL FLOW Roller Conveyor St D30

-  **4.1** Roller Conveyor St D30
0.0.633.91
0.0.637.55 ESD
-  **4.2** Roller Conveyor St D30 with Flanged Wheel
0.0.633.92
0.0.637.56 ESD
-  **4.3** Roller Conveyor St D30 with Steel Castor Surfaces
0.0.650.74
-  **4.4** Roller Conveyor St D30/2
0.0.648.91
0.0.648.94 ESD
-  **4.5** Roller Conveyor St D30 Brake
0.0.647.76
-  **4.6** Roller Conveyor St D30/2 Brake
0.0.650.55
-  **4.7** Roller Conveyor St Fastening Bracket D30
0.0.642.47
-  **4.8** Roller Conveyor St Fastening Bracket D30 with Stop H27
0.0.642.46
-  **4.9** Roller Conveyor St, Fastening Bracket D30 with Stop H43
0.0.652.46
-  **4.10** Roller Conveyor St, Fastening Bracket U D30
0.0.647.07
-  **4.11** Roller Conveyor St, Fastening Bracket I D30
0.0.647.06
-  **4.12** Roller Conveyor St, Butt Fastener
0.0.654.75
-  **4.13** Roller Conveyor St, Assembly Pliers
0.0.654.73

5 MATERIAL FLOW Roller Conveyor AI D30

-  **4.14** Roller Conveyor St, Support D30
0.0.647.10
-  **4.15** Roller Conveyor St, End Cap
0.0.647.08
-  **4.16** Roller Conveyor St Guide Rail e 65
0.0.639.01
0.0.641.77 ESD
-  **4.17** Roller Conveyor St Guide Rail e 32
0.0.648.71
0.0.648.73 ESD
-  **4.18** Retaining Plate, Guide Rail e
0.0.650.83
-  **4.19** Roller Conveyor St Guide Rail z
0.0.639.05
0.0.641.78 ESD
-  **4.20** Roller Conveyor St Fastening Bracket Adapter Sleeve D30 ESD
0.0.648.74
-  **4.21** Slide Strip D30
0.0.634.42
0.0.634.55 ESD
-  **4.22** Castor Rail 8 40x40
0.0.626.91
-  **4.23** Castor Insert D30
0.0.620.16 black
0.0.622.27 black ESD
0.0.627.08 green
0.0.627.07 yellow
0.0.627.06 red
-  **4.24** Castor Insert D30 with Flanged Wheel
0.0.620.06 black
0.0.622.28 black ESD
0.0.627.11 green
0.0.627.10 yellow
0.0.627.09 red
-  **4.25** Castor Rail 8 40x40, Brake
0.0.619.34
-  **4.26** Roller Insert 4x11
0.0.644.55
0.0.648.98 ESD
-  **4.27** Slide Strip Wedge Insert ESD
0.0.620.84
-  **4.28** Castor Rail 8 40x40, Slide Strip ESD
0.0.622.26
-  **4.29** Castor Ball Insert ESD
0.0.620.26
-  **4.30** Brush Insert ESD
0.0.622.22
-  **4.31** Castor Rail 8 Cap 40x40
0.0.622.29
-  **4.32** Castor Rail 8 Cap 80x40
0.0.622.30
-  **4.33** Roller Conveyor AI, Fastening Bracket D30
0.0.652.48
-  **4.34** Roller Conveyor AI, Fastening Bracket D30 with Stop H43
0.0.652.57
-  **4.35** Roller Conveyor AI, Fastening Bracket U D30
0.0.652.58
-  **4.36** Roller Conveyor AI, Fastening Bracket I D30
0.0.652.64



Line D30 – LPS

Calculation of Length Fasteners

Fastener D30 	Fastener D30 Tube Adapter D30 	End Connector 8 D30-90° 	Fastener D30 / Parallel Fastener D30 Angle Fastener D30 $30^\circ: L = 2x - 216$ $60^\circ: L = 1.15x - 163$ 	Fastener D30-45° $L = \sqrt{2} \times x - 60$ 	Tube Adapter D30 / Parallel Fastener Angle Fastener D30 / Fastener D30 $30^\circ: L = 1.15x - 169.4$ $60^\circ: L = 2x - 228$ 	Tube Adapter D30 Fastener D30-45° $L = \sqrt{2} \times x - 67.5$ 	Butt Fasteners D30
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Calculation of Length Material flow

Roller Conveyor St D30 	Profile 40x40
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Tip
Screw locking for dynamic applications.

Fasteners

Tube Holder D30 	Bracing Strut D30-90° 	Adapter 8 D30 	Parallel Fastener D30 	End Connector 8 D30-90° Bracing Strut D30-90° 	End Connector 8 D30-90° 	Ball Joint Fastener D30
	Adapter 8 80 D30 	Parallel Fastener D30 	End Connector 8 D30-90° 	End Connector 8 D30-90° 	Ball Joint Fastener 8 D30 	

Material flow

Slide Strip D30 	Roller Conveyor St Guide Rail e 32 	Roller Conveyor St Guide Rail e 65
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Tip
Fixation by self-tapping retaining screw with drill point.

Tip
ESD – suitable applications are possible.

Fastening elements

Fastener D30 	Panel Fasteners 	Panel-Fixing Profile D30 3-5 mm 	Table-Top Fastening Bracket D30 	Threaded Insert, Profile Tube D30 heavy duty M12 $F_{max} = 20,000\text{ N}$ 	Floor Elements
		Flange D30-90x90 			

Load Capacity

Fastener D30 $F_v = 500\text{ N}$ $M_{max} = 50\text{ Nm}$ 	Fastener D30 Tube Adapter D30 $F_v = 500\text{ N}$ $M_{max} = 50\text{ Nm}$ 	End Connector 8 D30-90° $M_{max} = 50\text{ Nm}$ 	Parallel Fastener D30 $F_v = 500\text{ N}$ 	Transverse Fastener D30 $F_v = 500\text{ N}$ $M = 8\text{ Nm}$ $F = 500\text{ N}$ 	Fastener D30 $M_{max} = 10\text{ Nm}$ 	Fastener D30-45° $M_{max} = 50\text{ Nm}$ $F_v = 500\text{ N}$ 	Threaded Insert D30 $m = 200\text{ kg}$ $m = 50\text{ kg}$ 	Roller Conveyor St D30 $F < 100\text{ N}$
$M_{max} = 20\text{ Nm}$ 	$M_{max} = 20\text{ Nm}$ 				$M_{max} = 10\text{ Nm}$ 	$M_{max} = 20\text{ Nm}$ 		

Deflections

Tube D30 / Profile Tube D30 and reinforcement 	Profile Tube D30 heavy duty 	Tube KH D30x11.6 	Roller Conveyor St D30

Tip
Tube Adapter Cap D30 holds the tube adapter steady until the fastener is screwed into place.

Installation dimensions

Roller Conveyor St D30 / Roller Conveyor Al D30 	Roller Conveyor Al D30 														
<table border="1"> <tr> <th>Roller Conveyor St</th> <th>Roller Conveyor Al</th> </tr> <tr> <td>Fastening Bracket D30 0.0.642.47</td> <td>Fastening Bracket D30 0.0.652.48</td> </tr> <tr> <td>Fastening Bracket U D30 0.0.647.07</td> <td>Fastening Bracket U D30 0.0.652.58</td> </tr> <tr> <td>Fastening Bracket I D30 0.0.647.06</td> <td>Fastening Bracket I D30 0.0.652.64</td> </tr> </table>	Roller Conveyor St	Roller Conveyor Al	Fastening Bracket D30 0.0.642.47	Fastening Bracket D30 0.0.652.48	Fastening Bracket U D30 0.0.647.07	Fastening Bracket U D30 0.0.652.58	Fastening Bracket I D30 0.0.647.06	Fastening Bracket I D30 0.0.652.64	<table border="1"> <tr> <th>Roller Conveyor St</th> <th>Roller Conveyor Al</th> </tr> <tr> <td>Fastening Bracket D30 with Stop H27 0.0.642.46</td> <td>Fastening Bracket D30 with Stop H43 0.0.652.57</td> </tr> <tr> <td>Fastening Bracket D30 with Stop H43 0.0.652.46</td> <td>Fastening Bracket D30 with Stop H43 0.0.652.57</td> </tr> </table>	Roller Conveyor St	Roller Conveyor Al	Fastening Bracket D30 with Stop H27 0.0.642.46	Fastening Bracket D30 with Stop H43 0.0.652.57	Fastening Bracket D30 with Stop H43 0.0.652.46	Fastening Bracket D30 with Stop H43 0.0.652.57
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