

The tunnel guide



EMR

INTERCITY

London St Pancras International <> Leicester <> Nottingham <> Lincoln Central

London St Pancras International <> Leicester <> Derby <> Sheffield

Tunnel	Type	Max Speed	Time	Where	Notes
North London Line underpass	Underpass	30 mph	2 seconds	Between Kentish Town and West Hampstead TL stations	
Agar Grove Underpass	Train Tunnel	50 mph	4 seconds	Between Kentish Town and West Hampstead TL stations	
Camden Road Tunnel – Fast	Train Tunnel	70 mph	17 seconds	Between Clerkenwell Tunnel and Kentish Town station	
Camden Road Tunnel	Train Tunnel	70 mph	4 seconds	Between Clerkenwell Tunnel and Kentish Town station	
Caversham Road	Road Tunnel	70 mph	3 seconds	Between Clerkenwell Tunnel and Kentish Town station	
Islip Street Underpass	Road Tunnel	70 mph	5 seconds	Between Clerkenwell Tunnel and Kentish Town station	
Kentish Town Road underpass	Road Tunnel	75 mph	6 seconds	At Kentish Town station	
North London Line underpass	Underpass	75 mph	5 seconds	Between Kentish Town and West Hampstead TL stations	
Lismore Circus Fast Tunnel	Train Tunnel	75 mph	3 seconds	Between Kentish Town and West Hampstead TL stations	
Belsize Fast Tunnel	Train Tunnel	80 mph	54 seconds	Between Kentish Town and West Hampstead TL stations	
Elstree Fast Tunnel	Train Tunnel	110 mph	21 seconds	Between Mill Hill Broadway and Elstree stations	
Amphill Tunnel – Fast	Train Tunnel	125 mph	12 seconds	Between Flitwick and Bedford stations	
Knighton Tunnel	Train Tunnel	90mph	6 seconds	Around ¾ mile south of Leicester station	
Leicester Station	Overbuild	40 mph	6 seconds	Immediately south of Leicester station	
Redhill Tunnel (G2)	Train Tunnel	90mph	6 – 9 seconds	1/3 mile north of East Midlands Parkway station	
Nottingham Station	Over build	15 mph	9 seconds	Immediately west of Nottingham station	Nottingham services
Milford Tunnel	Train Tunnel	110mph	16 seconds	Between Duffield and Belper stations	Sheffield services
Belper Station	Overbuild	100 mph*	6 seconds***	Immediately south of Belper station	Sheffield services
Toadmoor Tunnel	Train Tunnel	80 mph	3 seconds	Between Belper and Wingfield Tunnel	Sheffield services
Wingfield Tunnel	Train Tunnel	110 mph	6 seconds	Between Toadmoor and Clay Cross Tunnels	Sheffield services
Clay Cross Tunnel	Train Tunnel	110 mph	34 seconds	Between Wingfield Tunnel and Chesterfield station	Sheffield services
Bradway Tunnel	Train Tunnel	90 mph	56 seconds	Between Dronfield and Dore & Totley stations	Sheffield services
East Bank Road – Sheffield	Road Tunnel	55 mph	5 seconds	Just south of Sheffield Station	Sheffield services

INTERCITY DIVERSIONARY ROUTES					
London St Pancras International <> Leicester <> Nottingham <> Lincoln Central			London St Pancras International <> Leicester <> Derby <> Sheffield		
Tunnel	Type	Max Speed	Time	Where	Notes
Belsize Slow Tunnel	Train Tunnel	75 mph	76 seconds	Between Kentish Town and West Hampstead TL stations	via the Slow lines
Elstree Slow Tunnel	Train Tunnel	75 mph	33 seconds	Between Mill Hill Broadway and Elstree stations	via the Slow lines
Amphill Tunnel – Slow	Train Tunnel	75 mph	20 seconds	Between Flitwick and Bedford stations	via the Slow lines
Sharnbrook Tunnel	Train Tunnel	75mph	50 – 66 seconds	Between Bedford and Wellingborough stations	via the Slow lines
Corby Tunnel	Train Tunnel	60 mph	65 – 68 seconds	Between Corby and Oakham stations	via Oakham
Seaton Tunnel	Train Tunnel	60 mph	10 – 20 seconds	Between Corby and Oakham stations	via Oakham
Glaston Tunnel	Train Tunnel	60 mph	65 – 85 seconds	Between Corby and Oakham stations	via Oakham
Wing Tunnel	Train Tunnel	60 mph	13 – 20 seconds	Between Corby and Oakham stations	via Oakham
Manton Tunnel	Train Tunnel	65 mph	36 – 39 seconds	Between Corby and Oakham stations	via Oakham
Sheffield Station North	Series	25 mph	89 seconds**	Just north of Sheffield Station	via Woodhouse

Please note –

Information has being collected at linespeed and therefore timings may vary slightly.

KEY

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The actual speed will be lower.

**

Some tunnels near London St Pancras and Sheffield (when diverted) will sometimes have varied waiting times due to other trains being at the platform on arrival and may also stop inside the tunnel.

The train goes through this tunnel a lot faster if passing Belper station.

LUTON AIRPORT EXPRESS

London St Pancras International <> Luton Airport Parkway <> Bedford <> Wellingborough <> Kettering <> Corby

Tunnel	Type	Max Speed	Time	Where	Notes
North London Line underpass	Underpass	30 mph	2 seconds	Between Kentish Town and West Hampstead TL stations	
Agar Grove Underpass	Train Tunnel	50 mph	4 seconds	Between Kentish Town and West Hampstead TL stations	
Camden Road Tunnel – Fast	Train Tunnel	70 mph	17 seconds	Between Clerkenwell Tunnel and Kentish Town station	
Camden Road Tunnel	Train Tunnel	70 mph	4 seconds	Between Clerkenwell Tunnel and Kentish Town station	
Caversham Road	Road Tunnel	70 mph	3 seconds	Between Clerkenwell Tunnel and Kentish Town station	
Islip Street Underpass	Road Tunnel	70 mph	5 seconds	Between Clerkenwell Tunnel and Kentish Town station	
Kentish Town Road underpass	Road Tunnel	75 mph	6 seconds	At Kentish Town station	
North London Line underpass	Underpass	75 mph	5 seconds	Between Kentish Town and West Hampstead TL stations	
Lismore Circus Fast Tunnel	Train Tunnel	75 mph	3 seconds	Between Kentish Town and West Hampstead TL stations	
Belsize Fast Tunnel	Train Tunnel	80 mph	54 seconds	Between Kentish Town and West Hampstead TL stations	
Elstree Fast Tunnel	Train Tunnel	100 mph	23 seconds	Between Mill Hill Broadway and Elstree stations	
Amphill Tunnel – Fast	Train Tunnel	100 mph	15 seconds	Between Flitwick and Bedford stations	

LUTON AIRPORT EXPRESS DIVERSIONARY ROUTES

London St Pancras International <> Luton Airport Parkway <> Bedford <> Wellingborough <> Kettering <> Corby

Tunnel	Type	Max Speed	Time	Where	Notes
Belsize Slow Tunnel	Train Tunnel	75 mph	76 seconds	Between Kentish Town and West Hampstead TL stations	via the Slow lines
Elstree Slow Tunnel	Train Tunnel	75 mph	33 seconds	Between Mill Hill Broadway and Elstree stations	via the Slow lines
Amphill Tunnel – Slow	Train Tunnel	75 mph	20 seconds	Between Flitwick and Bedford stations	via the Slow lines
Sharnbrook Tunnel	Train Tunnel	75mph	50 – 66 seconds	Between Bedford and Wellingborough stations	via the Slow lines

Please note – For services to Corby operated by Intercity trains, please see the times above as these vary slightly. .

LUTON DART

Luton Airport Parkway <> Luton Airport

Tunnel	Type	Max Speed	Time	Where	Notes
Luton Airport Tunnel	Train Tunnel		34 seconds	Just east of Luton Airport station	

REGIONAL

Norwich <> Peterborough <> Oakham

Grantham <> Nottingham <> Sheffield <> Manchester Piccadilly <> Liverpool Lime Street

Tunnel	Type	Max Speed	Time	Where	Notes
Stamford Town Centre	Overbuild	55 mph	21 seconds	Just east of Stamford station	via Oakham
Manton Tunnel	Train Tunnel	65 mph	24 – 30 seconds**	Between Oakham and Stamford stations	via Oakham
Redhill Tunnel (G2)	Train Tunnel	90mph	9 seconds	1/3 mile north of East Midlands Parkway station	via Oakham
Nottingham Station	Over build	15 mph	9 seconds	Immediately west of Nottingham station	via Oakham
Stoke Tunnel	Train Tunnel	100 mph	25 seconds	Between Peterborough and Grantham stations	via Grantham
Gonerby Tunnel	Train Tunnel	75 mph	23 seconds	Between Grantham and Bottesford stations	via Grantham
Nottingham Station	Over build	15 mph	9 seconds	Immediately west of Nottingham station	
Alfreton Tunnel	Train Tunnel	80 mph	30 seconds	Between Langley Mill and Alfreton stations	
Bradway Tunnel	Train Tunnel	90 mph	62 seconds	Between Dronfield and Dore & Totley stations	
East Bank Road – Sheffield	Road Tunnel	55 mph	5 seconds	Just south of Sheffield Station	Used twice
Totley Tunnel	Train Tunnel	90 mph	182 seconds	Between Dore and Totley and Grindleford stations	Over 3 miles long
Cowburn Tunnel	Train Tunnel	90 mph	135 seconds	Between Edale and Chinley stations	Over 2 miles long
Albion Road Tunnel	Train Tunnel	70 mph	3 seconds	Just east of New Mills Central station	
Disley (Midland) Tunnel	Train Tunnel	90 mph	138 seconds	Between New Mills and Hazel Grove stations	Over 2 miles long
Shaw Heath Roundabout	Road Tunnel	40 mph	6 seconds	Just south of Stockport station	
Liverpool Lime Street Tunnel	Series	30 mph	152 seconds**	On the approach to Liverpool Lime Street station	

REGIONAL DIVERSIONARY ROUTES

Norwich <> Peterborough <> Oakham

Tunnel	Type	Max Speed	Time	Where	Notes
Stoke Tunnel	Train Tunnel	100 mph	19 seconds	Between Peterborough and Grantham stations	Northbound only
Dore Tunnel	Train Tunnel	20 mph	13 seconds	Between Dronfield station and Totley Tunnel	Omitting Sheffield
Sheffield Station North Approach	Series	25 mph	89 seconds**	Just north of Sheffield Station	via Woodhouse
New Mills Tunnel	Train Tunnel	20 mph	13 seconds	¼ mile east of New Mills Central Station	Via Marple
Marple South Tunnel	Train Tunnel	45 mph	11 seconds	½ mile south of Marple Station	Via Marple
Marple North Tunnel	Train Tunnel	60 mph	4 seconds	¼ mile north of Marple Station	Via Marple
Bedbury Tunnel	Train Tunnel	50 mph	7 seconds	Between Romiley and Bedbury stations	Via Marple

REGIONAL

Cleethorpes <> Lincoln Central <> Nottingham <> Derby <> Matlock

Stoke on Trent <> Crewe

Tunnel	Type	Max Speed	Time	Where	Notes
Nottingham Station	Over build	15 mph	9 seconds	Immediately west of Nottingham station	
Milford Tunnel	Train Tunnel	100mph	16 seconds	Between Duffield and Belper stations	Matlock services
Belper Station	Overbuild	100 mph*	6 seconds	Immediately south of Belper station	Matlock services
Whatstandwell Tunnel	Train Tunnel	40 mph	11 seconds	Between Ambergate and Matlock Bath stations	Matlock services
Leewood Tunnel	Train Tunnel	50 mph	13 seconds	Between Ambergate and Matlock Bath stations	Matlock services
Willersley Tunnel	Train Tunnel	50 mph	49 seconds	Between Ambergate and Matlock Bath stations	Matlock services
High Tor No. 1 Tunnel	Series	50 mph	45 seconds	Between Matlock Bath and Matlock stations	Matlock services
Holt Lane Tunnel	Train Tunnel	50 mph	12 seconds	Between Matlock Bath and Matlock stations	Matlock services
Meir Tunnel	Train Tunnel	70 mph	26 seconds	Between Blythe Bridge and Longton stations	Crewe services
Harecastle New Tunnel	Train Tunnel	100 mph	12 seconds	Between Longport and Kidsgrove stations	Crewe services
The Avenue	Flickering	85mph	11 seconds	Between Longport and Kidsgrove stations	Crewe services

Please note – There are no tunnels for services that originate or terminate at Newark Northgate station.

REGIONAL

Lincoln Central <> Peterborough

Tunnel	Type	Max Speed	Time	Where	Notes
Washingborough Road	Road Tunnel	75 mph	2 – 3 seconds	Between Lincoln Central and Metherringham stations	

REGIONAL DIVERSIONARY ROUTES

Lincoln Central <> Peterborough

Tunnel	Type	Max Speed	Time	Where	Notes
Werrington Dive-Under	Dive-Under	60 mph	24 seconds	Between Spalding and Peterborough stations	via the freight line

REGIONAL

Lincoln Central <> Doncaster

Tunnel	Type	Max Speed	Time	Where	Notes
Balby Bridge Tunnel	Road Tunnel	70 mph	6 seconds	1/3 mile south of Doncaster station	

REGIONAL

Nottingham <> Loughborough <> Leicester (*Ivanhoe Line*)

Tunnel	Type	Max Speed	Time	Where	Notes
Nottingham Station	Over build	15 mph	9 seconds	Immediately west of Nottingham station	
Redhill Tunnel (G2)	Train Tunnel	90mph	9 seconds	1/3 mile north of East Midlands Parkway station	

REGIONAL

Nottingham <> Mansfield <> Worksop (*Robin Hood Line*)

Tunnel	Type	Max Speed	Time	Where	Notes
Nottingham Station	Over build	15 mph	9 seconds	Immediately west of Nottingham station	
Kirkby Tunnel	Train Tunnel	70 mph	8 seconds	Between Newstead and Kirby in Ashfield stations	
Whitwell Tunnel	Train Tunnel	60 mph	20 seconds	Between Creswell and Whitwell stations	Worksop services only

REGIONAL

Nottingham <> Grantham <> Boston <> Skegness (*Poacher Line*)

Tunnel	Type	Max Speed	Time	Where	Notes
Gonerby Tunnel	Train Tunnel	75 mph	23 seconds	Between Bottesford and Grantham stations	via Grantham and used twice

Please note –

There are no tunnels for services that originate or terminate at Newark Northgate station.

A 'Series' means multiple short tunnels within the same area. These are all counted from the start of the first tunnel until the end of the last tunnel. These can be found on the approach to Liverpool Lime Street and on the diversionary approach to Sheffield station.

Information has been collected at linespeed and therefore timings may vary slightly.

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Some tunnels near Liverpool Lime Street and Sheffield (when diverted) will sometimes have varied tunnel timings due to other trains being in the platform on arrival and therefore may stop inside the tunnel.