PRODUCT DATA SHEET

SCREW FOUNDATIONS: 60, 76, 89, AND 114 SERIES

PRODUCT DESCRIPTION

Screw foundations are hot-dip galvanized steel foundations made of S355 steel that are driven directly into the ground using a controlled torque, without the need for excavation or concrete. They provide immediate load-bearing capacity, are removable, and are suitable for both temporary and permanent structures. With various diameters and lengths (60, 76, 89, and 114 series), they can be adapted to different soil conditions as well as load and wind loads. The anti-corrosion coating in accordance with DIN EN ISO 1461 ensures a long service life in outdoor applications.

SPECIFICATIONS

- High corrosion resistance for outdoor use
- High dimensional stability under load
- No excavation or concrete required
  → quick and clean installation
- Designed for various load and wind conditions
- High flexibility thanks to a variety of diameters and lengths (60–114 series)

MATERIAL

- Made of S355 structural steel
- Hot-dip galvanized in accordance with DIN EN ISO 1461 for long-term corrosion protection
- Zinc coating thickness ≥ 70 µm

MECHANICAL PROPERTIES (S355 STEEL):

- Yield strength of steel: 355 MPa
- Tensile strength: 510–630 MPa
- Modulus of elasticity: 210.000 MPa

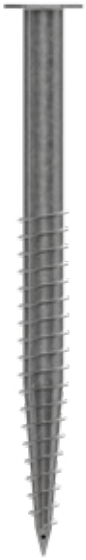
APPLICATIONS

- Carports, tiny houses, patios, fences, play structures, ground-mounted solar systems

60 Series,
available in the following lengths:
600 mm, 800 mm, 1000 mm

76 Series,
available in the following lengths:
800 mm, 1000 mm, 1300 mm,
1600 mm, 2100 mm

89 Series,
available in the following lengths:
1600 mm, 2100 mm



114 Series,
available in the following lengths:
1600 mm, 2100 mm

© by E.u.r.o.Tec GmbH · Last updated 10/2026 · Subject to changes, additions, typesetting and printing errors.

E.u.r.o.Tec GmbH • Unter dem Hofe 5 • D-58099 Hagen
Tel. +49 2331 62 45-0 • Fax +49 2331 62 45-200 • E-Mail info@eurotec.team

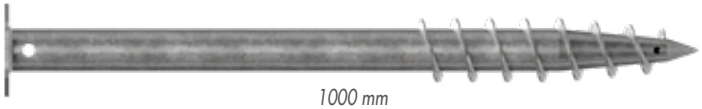
PRODUCT DATA SHEET

SCREW FOUNDATIONS: 60, 76, 89, AND 114 SERIES

60 SERIES

600 mm

800 mm



1000 mm

BEARING CAPACITY OF THE SUBGRADE (CHARACTERISTIC VALUE)

Soil type	Ø 60 x 600 mm		Ø 60 x 800 mm		Ø 60 x 1000 mm	
	Tensile force [kN]	Force [kN]	Tensile force [kN]	Force [kN]	Tensile force [kN]	Force [kN]
soft clay	0,1	0,2	0,2	0,3	0,2	0,4
medium-density clay	0,3	0,5	0,4	0,7	0,6	1,0
firm clay	0,5	0,9	0,8	1,3	1,0	1,7
Peat / organic soil	0,1	0,1	0,1	0,1	0,1	0,2
Fine sand (loose)	0,5	1,0	0,8	1,4	1,0	1,8
Fine sand (compacted)	1,0	1,9	1,4	2,6	1,9	3,3
Medium sand (loose)	0,7	1,3	1,0	1,8	1,3	2,4
Medium sand (dense)	1,3	2,4	1,8	3,3	2,3	4,2
Coarse sand (loose)	0,9	1,7	1,3	2,3	1,6	3,0
Coarse sand (dense)	1,8	3,3	2,5	4,6	3,3	5,9
Silt (soft)	0,3	0,6	0,5	0,8	0,6	1,1
Silt (compact)	0,6	1,1	0,8	1,5	1,1	2,0
Gravel (loose)	1,1	2,1	1,6	2,9	2,1	3,7
Gravel (compacted)	2,8	5,3	3,9	7,3	5,1	9,4
weathered rock / marl	1,5	2,8	2,2	3,9	2,9	5,1

All information is provided without warranty. The values listed apply to screw foundations that have been fully driven into the ground.

PRODUCT TABLE

Art. no.	Pipe diameter [mm]	Nominal length [mm]	Internal thread	Building site	Windload	PU
100210	60	600	M12	medium soil	low	1
100211	60	800	M12	medium soil	low	1
100212	60	1000	M12	medium soil	low	1

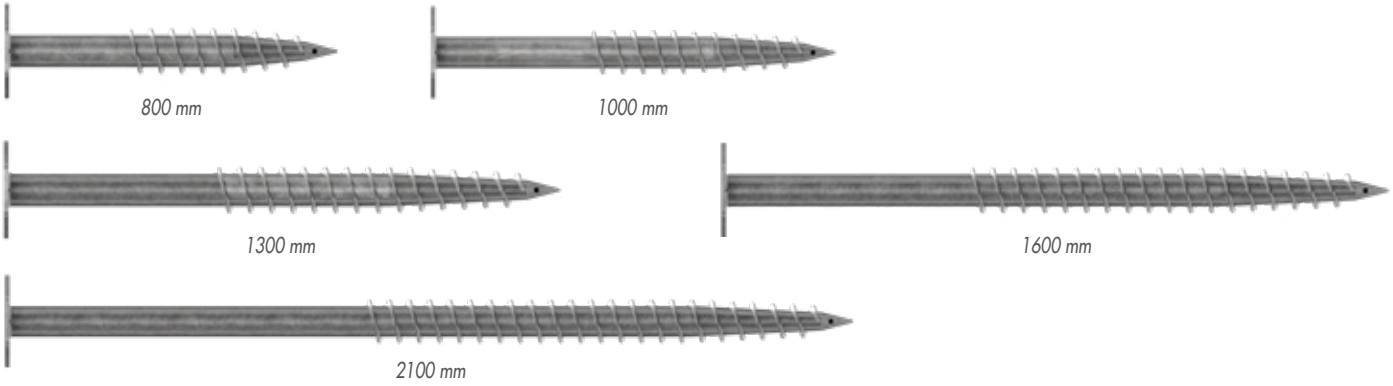
© by E.u.r.o.Tec GmbH · Last updated 10/2026 · Subject to changes, additions, typesetting and printing errors.

E.u.r.o.Tec GmbH • Unter dem Hofe 5 • D-58099 Hagen
Tel. +49 2331 62 45-0 • Fax +49 2331 62 45-200 • E-Mail info@eurotec.team

PRODUCT DATA SHEET

SCREW FOUNDATIONS: 60, 76, 89, AND 114 SERIES

76 SERIES



BEARING CAPACITY OF THE SUBGRADE (CHARACTERISTIC VALUE)

Soil type	Ø 76 x 800 mm		Ø 76 x 1000 mm		Ø 76 x 1300 mm		Ø 76 x 1600 mm		Ø 76 x 2100 mm	
	Tensile force [kN]	Force [kN]	Tensile force [kN]	Force [kN]	Tensile force [kN]	Force [kN]	Tensile force [kN]	Force [kN]	Tensile force [kN]	Force [kN]
soft clay	0,2	0,4	0,3	0,5	0,4	0,7	0,6	1,0	0,9	1,4
medium-density clay	0,6	1,0	0,8	1,3	1,2	1,9	1,6	2,5	2,4	3,7
firm clay	1,0	1,7	1,4	2,3	2,0	3,2	2,7	4,3	4,1	6,3
Peat / organic soil	0,1	0,2	0,1	0,2	0,2	0,3	0,2	0,4	0,4	0,6
Fine sand (loose)	1,0	1,9	1,3	2,4	1,9	3,3	2,5	4,2	3,6	6,0
Fine sand (compacted)	1,9	3,5	2,5	4,5	3,6	6,2	4,7	8,0	6,8	11,3
Medium sand (loose)	1,4	2,5	1,8	3,2	2,5	4,4	3,2	5,6	4,7	7,9
Medium sand (dense)	2,4	4,5	3,1	5,7	4,3	7,7	5,5	9,8	7,9	13,6
Coarse sand (loose)	1,7	3,2	2,2	4,1	3,1	5,5	4,0	7,1	5,7	9,8
Coarse sand (dense)	3,4	6,3	4,4	8,1	6,1	11,0	8,0	14,0	11,4	19,5
Silt (soft)	0,6	1,1	0,8	1,5	1,2	2,0	1,6	2,6	2,3	3,8
Silt (compact)	1,1	2,0	1,5	2,7	2,2	3,7	2,9	4,8	4,2	6,8
Gravel (loose)	2,1	4,0	2,8	5,1	3,9	6,9	5,1	8,9	7,3	12,4
Gravel (compacted)	5,4	10,1	6,9	12,9	9,5	17,3	12,2	21,9	17,3	30,3
weathered rock / marl	3,0	5,4	4,0	7,0	5,6	9,6	7,5	12,5	11,0	17,8

All information is provided without warranty. The values listed apply to screw foundations that have been fully driven into the ground.

PRODUCT TABLE

Art. no.	Pipe diameter [mm]	Nominal length [mm]	Internal thread	Building site	Windload*	PU
100213	76	800	M24	firm to medium soil	medium	1
100214	76	1000	M24	medium soil, no backfilling	medium	1
100215	76	1300	M24	normal load-bearing soil	medium-high	1
100216	76	1600	M24	normal load-bearing soil	high	1
100217	76	2100	M24	soft soil, deep load-bearing layer	high	1

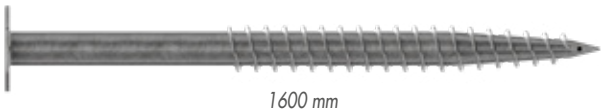
© by E.u.r.o.Tec GmbH · Last updated 10/2026 · Subject to changes, additions, typesetting and printing errors.

E.u.r.o.Tec GmbH • Unter dem Hofe 5 • D-58099 Hagen
Tel. +49 2331 62 45-0 • Fax +49 2331 62 45-200 • E-Mail info@eurotec.team

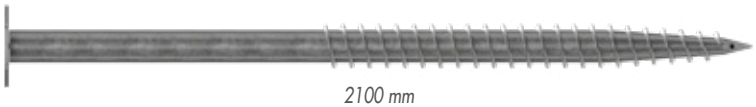
PRODUCT DATA SHEET

SCREW FOUNDATIONS: 60, 76, 89, AND 114 SERIES

89 SERIES



1600 mm



2100 mm

BEARING CAPACITY OF THE SUBGRADE (CHARACTERISTIC VALUE)

Soil type	Ø 89 x 1600 mm		Ø 89 x 2100 mm	
	Tensile force [kN]	Force [kN]	Tensile force [kN]	Force [kN]
soft clay	0,7	1,2	1,1	1,7
medium-density clay	1,9	3,1	2,9	4,5
firm clay	3,3	5,3	4,9	7,6
Peat / organic soil	0,3	0,5	0,5	0,7
Fine sand (loose)	3,0	5,2	4,4	7,4
Fine sand (compacted)	5,8	9,9	8,4	14,0
Medium sand (loose)	4,0	7,0	5,7	9,7
Medium sand (dense)	6,8	12,2	9,7	16,9
Coarse sand (loose)	5,0	8,8	7,1	12,2
Coarse sand (dense)	9,8	17,4	14,0	24,1
Silt (soft)	1,9	3,3	2,9	4,6
Silt (compact)	3,5	5,9	5,2	8,4
Gravel (loose)	6,3	11,0	9,0	15,3
Gravel (compacted)	15,2	27,3	21,4	37,6
weathered rock / marl	9,1	15,4	13,4	21,9

All information is provided without warranty. The values listed apply to screw foundations that have been fully driven into the ground.

PRODUCT TABLE

Art. no.	Pipe diameter [mm]	Nominal length [mm]	Internal thread	Building site	Windload*	PU
100218	89	1600	M24	soft ground, sand, fill material	high	1
100219	89	2100	M24	soft to yielding soil	high	1

© by E.u.r.o.Tec GmbH · Last updated 10/2026 · Subject to changes, additions, typesetting and printing errors.

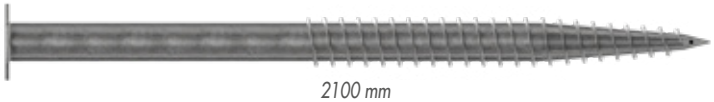
E.u.r.o.Tec GmbH • Unter dem Hofe 5 • D-58099 Hagen
Tel. +49 2331 62 45-0 • Fax +49 2331 62 45-200 • E-Mail info@eurotec.team

PRODUCT DATA SHEET

SCREW FOUNDATIONS: 60, 76, 89, AND 114 SERIES

114 SERIES

1600 mm



2100 mm

BEARING CAPACITY OF THE SUBGRADE (CHARACTERISTIC VALUE)

Soil type	Ø 114 x 1600 mm		Ø 114 x 2100 mm	
	Tensile force [kN]	Force [kN]	Tensile force [kN]	Force [kN]
soft clay	1,0	1,6	1,5	2,4
medium-density clay	2,7	4,3	4,0	6,2
firm clay	4,5	7,4	6,7	10,6
Peat / organic soil	0,4	0,7	0,6	1,0
Fine sand (loose)	4,3	7,5	6,1	10,4
Fine sand (compacted)	8,1	14,1	11,6	19,7
Medium sand (loose)	5,6	9,9	8,0	13,8
Medium sand (dense)	9,7	17,5	13,7	24,1
Coarse sand (loose)	7,0	12,6	9,9	17,4
Coarse sand (dense)	13,9	24,9	19,6	34,3
Silt (soft)	2,7	4,6	3,9	6,5
Silt (compact)	4,9	8,3	7,1	11,8
Gravel (loose)	8,8	15,7	12,5	21,8
Gravel (compacted)	21,5	39,2	30,2	53,7
weathered rock / marl	12,7	21,8	18,5	30,7

All information is provided without warranty. The values listed apply to screw foundations that have been fully driven into the ground.

PRODUCT TABLE

Art. no.	Pipe diameter [mm]	Nominal length [mm]	Internal thread	Building site	Windload*	PU
100220	114	1600	M24	soft, slightly cohesive soil	high	1
100221	114	2100	M24	soft ground, deep structure	very high	1

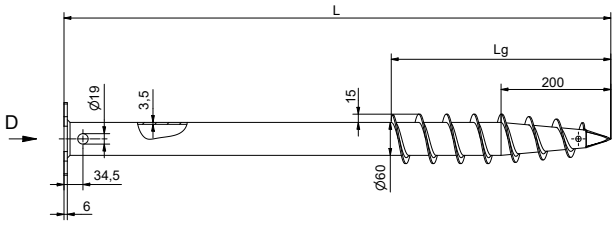
© by E.u.r.o.Tec GmbH · Last updated 10/2026 · Subject to changes, additions, typesetting and printing errors.

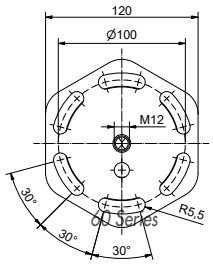
E.u.r.o.Tec GmbH • Unter dem Hofe 5 • D-58099 Hagen
Tel. +49 2331 62 45-0 • Fax +49 2331 62 45-200 • E-Mail info@eurotec.team

PRODUCT DATA SHEET

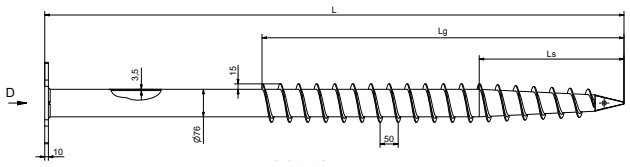
SCREW FOUNDATIONS: 60, 76, 89, AND 114 SERIES

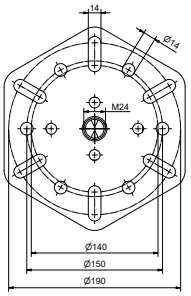
TECHNICAL INFORMATION





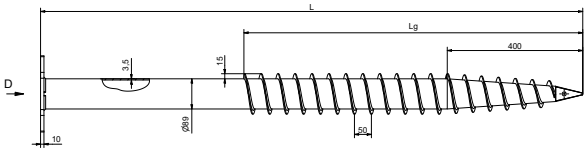
Lengths: 60 Series	
L [mm]	L_g [mm]
600	300
800	350
1000	400

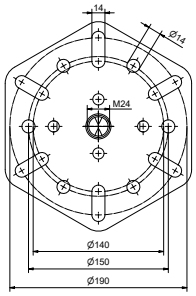




76 Series

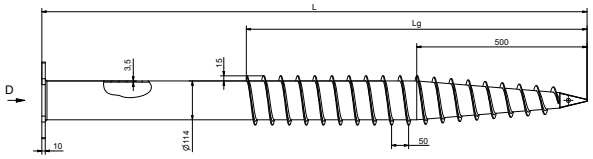
Lengths: 76 Series		
L [mm]	L_g [mm]	L_s [mm]
800	500	250
1000	600	300
1300	800	400
1600	1000	400
2100	1200	400

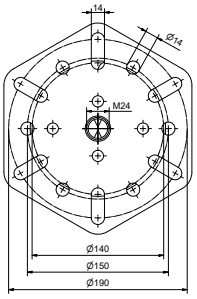




89 Series

Lengths: 89 Series	
L [mm]	L_g [mm]
1600	1000
2100	1200





114 Series

Lengths: 114 Series	
L [mm]	L_g [mm]
1600	1000
2100	1200

If you are unfamiliar with the application of this product, particularly its intended use, please be sure to contact our Application Engineering department (technik@eurotec.team).

© by E.u.r.o.Tec GmbH · Last updated 10/2026 · Subject to changes, additions, typesetting and printing errors.

E.u.r.o.Tec GmbH • Unter dem Hofe 5 • D-58099 Hagen
Tel. +49 2331 62 45-0 • Fax +49 2331 62 45-200 • E-Mail info@eurotec.team