

# Soil displacement hammer GRUNDOMAT-N

## Application range

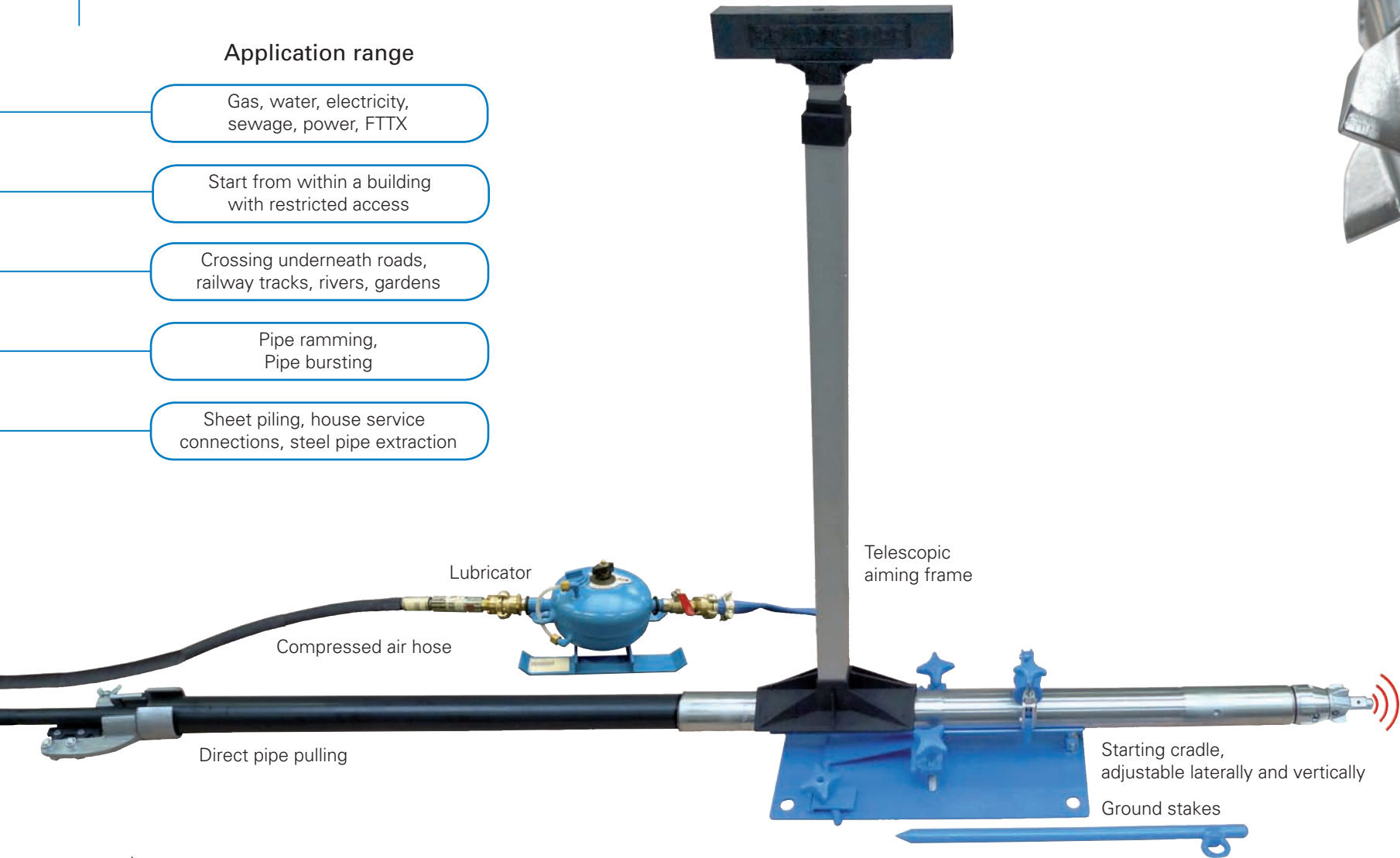
Gas, water, electricity,  
sewage, power, FTTX

Start from within a building  
with restricted access

Crossing underneath roads,  
railway tracks, rivers, gardens

Pipe ramming,  
Pipe bursting

Sheet piling, house service  
connections, steel pipe extraction



Direct pipe pulling

Lubricator

Compressed air hose

Telescopic  
aiming frame

Starting cradle,  
adjustable laterally and vertically

Ground stakes

Safety legs can be used  
instead of ground stakes



THE ONLY CHOICE FOR PERFECT PIPE INSTALLATIONS

**Germany:**  
Tracto-Technik GmbH & Co. KG  
Tel: +49 (0)2723 80 80  
Fax: +49 (0)2723 80 81 80  
www.tracto-technik.de  
export@tracto-technik.de

**United Kingdom:**  
TT UK Ltd.  
Tel.: +44 (0)1234.342.566  
Fax: +44 (0)1234.352.184  
www.tt-uk.com  
info@tt-uk.com

**USA / Canada:**  
TT Technologies  
Tel.: +1 (0)630.851.8200  
Fax: +1 (0)630.851.8299  
www.tttechnologies.com  
info@tttechnologies.com

**Australia:**  
TT Asia Pacific Pty Ltd.  
Tel.: +61 (0)7 3420 5455  
Fax: +61 (0)7 3420 5855  
www.tt-asiapacific.com  
info@tt-asiapacific.com

**France:**  
Tracto-Techniques S.a.r.l.  
Tel.: +33 (0)5.53.53.89.83  
Fax: +33 (0)5.53.09.39.41  
www.tracto-techniques.com  
ttf@tracto-techniques.fr

# Soil displacement hammer GRUNDOMAT-N new Generation

**NEW:** Moveable crowned head with sharp cutting edges for higher penetration force + improved target accuracy



Installation in 4 steps:

- pre-striking
- soil breaking
- relocate
- displace

crowned head/stepped head

**NEW:** Thread tightening design for simple assembly/disassembly at the jobsite (no heat or adhesive required)

even more service friendly



**NEW:** Simple triple gear operation up to model 130 N

2 forward gears (variable stroke frequencies) for even faster bore speeds, improved directional stability + instant reverse gear

short machine versions small working pits

highly safe to operate

optionally with insulation adapter etc + detection

lasting value

- heat treated
- chromed
- galvanised

optionally with proven servo control - Ø 130 mm, length 1802 mm, weight 117 kg, air 3,0 m<sup>3</sup>, no. of strokes (min<sup>-1</sup>) 1. gear: 370, 2. gear: 435 / Servo: 340

tightly sealed against dirt/water for economical air consumption

for more grip in softer soils semi grooved casing



Ø 45 mm, length 997 mm, weight 9 kg, air 0,35 m <sup>3</sup> , no. of strokes (min <sup>-1</sup> ) 1. gear: 530, 2. gear: 635	<b>45 N</b> up to pipe OD 40
Ø 55 mm, length 1131 mm, weight 15 kg, air 0,5 m <sup>3</sup> , no. of strokes (min <sup>-1</sup> ) 1. gear: 470, 2. gear: 570	<b>55 N</b> up to pipe OD 45
Ø 65 mm, length 1290 mm, weight 24 kg, air 0,8 m <sup>3</sup> , no. of strokes (min <sup>-1</sup> ) 1. gear: 460, 2. gear: 585	<b>65 N</b> up to pipe OD 50
Ø 65 mm, length 933 mm, weight 16 kg, air 0,8 m <sup>3</sup> , no. of strokes (min <sup>-1</sup> ) 1. gear: 600, 2. gear: 700	<b>65 NK short</b> up to pipe OD 50
Ø 75 mm, length 1399 mm, weight 33 kg, air 0,9 m <sup>3</sup> , no. of strokes (min <sup>-1</sup> ) 1. gear: 395, 2. gear: 480	<b>75 N</b> up to pipe OD 63
Ø 75 mm, length 1100 mm, weight 24 kg, air 0,9 m <sup>3</sup> , no. of strokes (min <sup>-1</sup> ) 1. gear: 495, 2. gear: 605	<b>75 NK short</b> up to pipe OD 63
Ø 85 mm, length 1528 mm, weight 46 kg, air 1,0 m <sup>3</sup> , no. of strokes (min <sup>-1</sup> ) 1. gear: 360, 2. gear: 440	<b>85 N</b> up to pipe OD 75
Ø 95 mm, length 1762 mm, weight 65 kg, air 1,4 m <sup>3</sup> , no. of strokes (min <sup>-1</sup> ) 1. gear: 320, 2. gear: 415	<b>95 N</b> up to pipe OD 85
Ø 95 mm, length 1393 mm, weight 50 kg, air 1,4 m <sup>3</sup> , no. of strokes (min <sup>-1</sup> ) 1. gear: 390, 2. gear: 500	<b>95 NK short</b> up to pipe OD 85
Ø 110 mm, length 1700 mm, weight 96 kg, air 1,7 m <sup>3</sup> , no. of strokes (min <sup>-1</sup> ) 1. gear: 350, 2. gear: 410	<b>110 N</b> up to pipe OD 90
only with proven servo control - Ø 130 mm, length 1802 mm, weight 117 kg, air 3,0 m <sup>3</sup> , no. of strokes (min <sup>-1</sup> ) 1. gear: 370, 2. gear: 435 / Servo: 340	<b>130 N</b> up to pipe OD 110
only with proven servo control - Ø 145 mm, length 2033 mm, weight 168 kg, air 3,4 m <sup>3</sup> , no. of strokes (min <sup>-1</sup> ) 310	<b>145 N</b> up to pipe OD 125
only with proven servo control - Ø 180 mm, length 2280 mm, weight 260 kg, air 4,5 m <sup>3</sup> , no. of strokes (min <sup>-1</sup> ) 280	<b>180 N</b> up to pipe OD 160