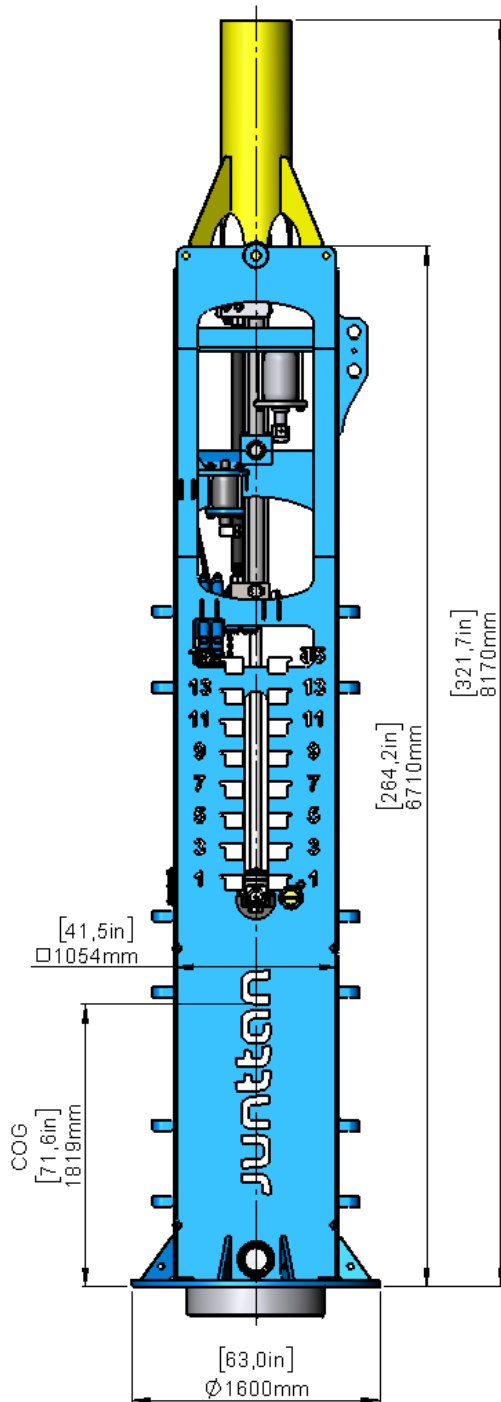


## HHK16S



### Weights

Hammer weight	23 200 kg / 51 200 lb
Ram block weight (Transport weight with top plate)	16 000 kg / 35 250 lb 16 370 kg / 36 100 lb

### Hydraulics' specification

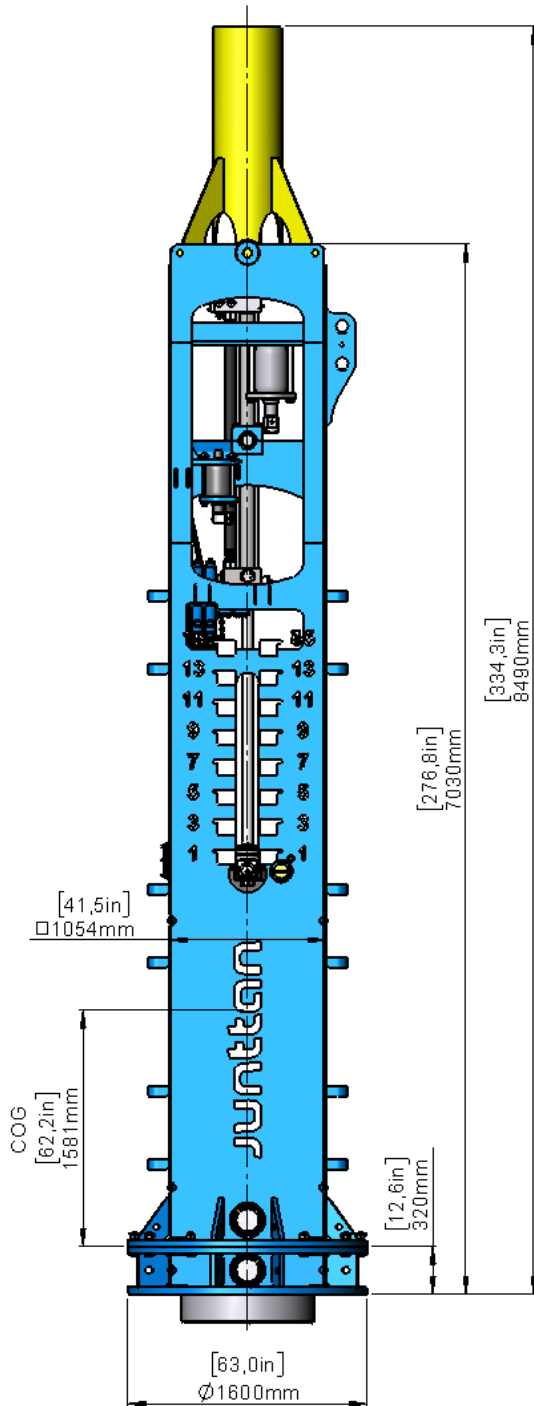
Operating pressure	241 bar / 3 350 psi
Oil flow for 30 bl/min	565 L/min 149 gpm
Pressure accumulators Nitrogen pressure	2 pcs / 10 L / 2,67 gal 131 bar @ 20 °C 1 900 psi @ 68 °F
Return accumulators Nitrogen pressure	2 pcs / 4 L / 1 gal 6 bar @ 20 °C 87 psi @ 68 °F
Pressure hoses	2 x 38 mm 2 x 1½ in
Return hoses	2 x 38 mm 2 x 1½ in

### Performance

Max. energy	235 kNm / 173 592 ft-lb
Blow rate @ 235 kNm / 173 592 ft-lb	30 bl/min
Min. energy	12 kNm / 8 851 ft-lb
Blow rate @ 12 kNm / 8 851 ft-lb	100 bl/min
Stroke	1 500 mm / 5 ft



## HHK16/18S



### Weights

Hammer weight	26 100 kg / 57 600 lb
Ram block weight (Transport weight with top plate)	18 000 kg / 39 700 lb 18 320 kg / 40 400 lb)

### Hydraulics' specification

Operating pressure	271 bar / 3 931 psi
Oil flow for 30 bl/min	565 L/min 149 gpm
Pressure accumulators Nitrogen pressure	2 pcs / 10 L / 2,67 gal 148 bar @ 20 °C 2 174 psi @ 68 °F
Return accumulators Nitrogen pressure	2 pcs / 4 L / 1 gal 6 bar @ 20 °C 87 psi @ 68 °F

Pressure hoses  
2 x 38 mm  
2 x 1½ in

Return hoses  
2 x 38 mm  
2 x 1½ in

### Performance

Max. energy	265 kNm / 195 454 ft-lb
Blow rate @ 265 kNm / 195 454 ft-lb	30 bl/min
Min. energy	13 kNm / 9 588 ft-lb
Blow rate @ 13 kNm / 9 588 ft-lb	100 bl/min

Stroke  
1 500 mm / 5 ft



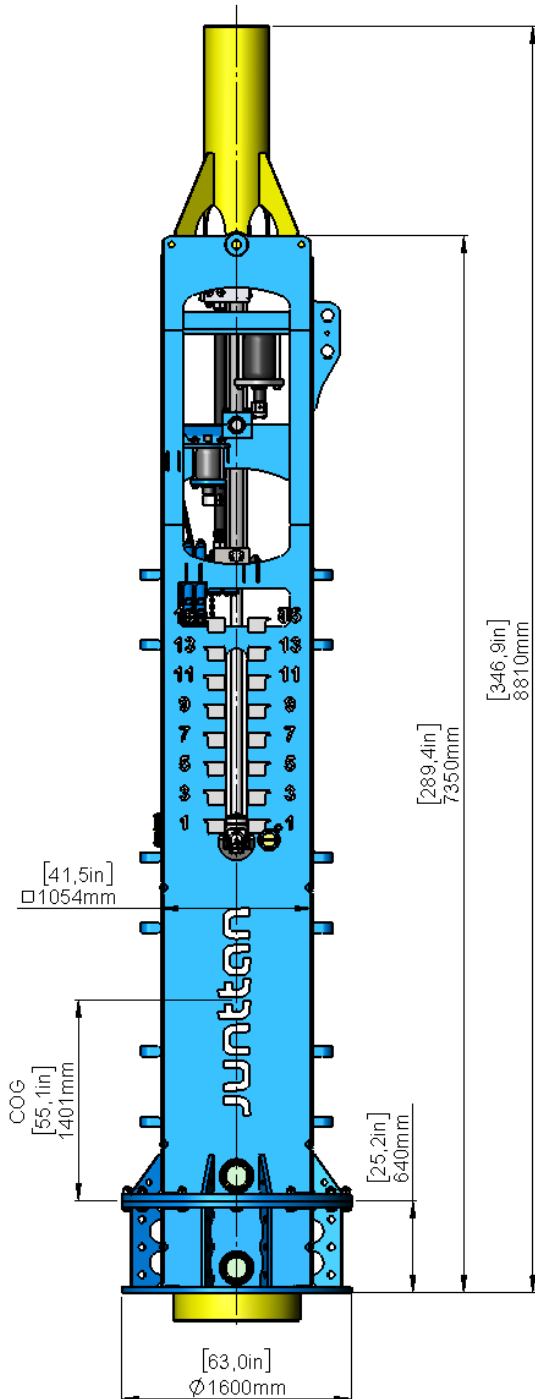
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## HHK16/20S



### Weights

Hammer weight 28 300 kg / 62 400 lb

Ram block weight 20 000 kg / 44 100 lb  
(Transport weight with top plate 20 300 kg / 44 750 lb)

### Hydraulics' specification

Operating pressure 290 bar / 4 206 psi

Oil flow for 30 bl/min 565 L/min  
149 gpm

Pressure accumulators 2 pcs / 10 L / 2,67 gal  
Nitrogen pressure 160 bar @ 20 °C  
2 321 psi @ 68 °F

Return accumulators 2 pcs / 4 L / 1 gal  
Nitrogen pressure 6 bar @ 20 °C  
87 psi @ 68 °F

Pressure hoses 2 x 38 mm  
2 x 1½ in

Return hoses 2 x 38 mm  
2 x 1½ in

### Performance

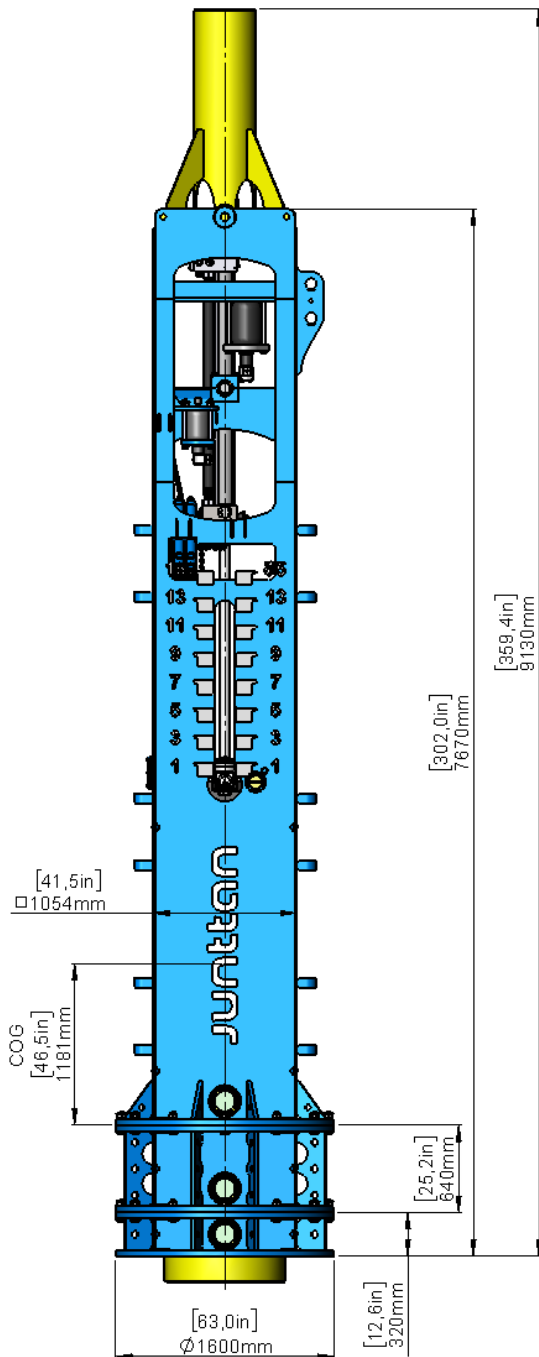
Max. energy 294 kNm / 216 990 ft-lb  
Blow rate @ 294 kNm /  
216 990 ft-lb 30 bl/min

Min. energy 15 kNm / 11 063 ft-lb  
Blow rate @ 15 kNm /  
11 063 ft-lb 100 bl/min

Stroke 1 500 mm / 5 ft



## HHK16/18/20/22S



### Weights

Hammer weight	31 300 kg / 69 000 lb
Ram block weight (Transport weight with top plate)	22 000 kg / 48 500 lb 22 240 kg / 49 050 lb

### Hydraulics' specification

Operating pressure	300 bar / 4 351 psi
Oil flow for 30 bl/min	565 L/min 149 gpm
Pressure accumulators Nitrogen pressure	2 pcs / 10 L / 2,67 gal 164 bar @ 20 °C 2 379 psi @ 68 °F
Return accumulators Nitrogen pressure	2 pcs / 4 L / 1 gal 6 bar @ 20 °C 87 psi @ 68 °F

Pressure hoses  
2 x 38 mm  
2 x 1½ in

Return hoses  
2 x 38 mm  
2 x 1½ in

### Performance

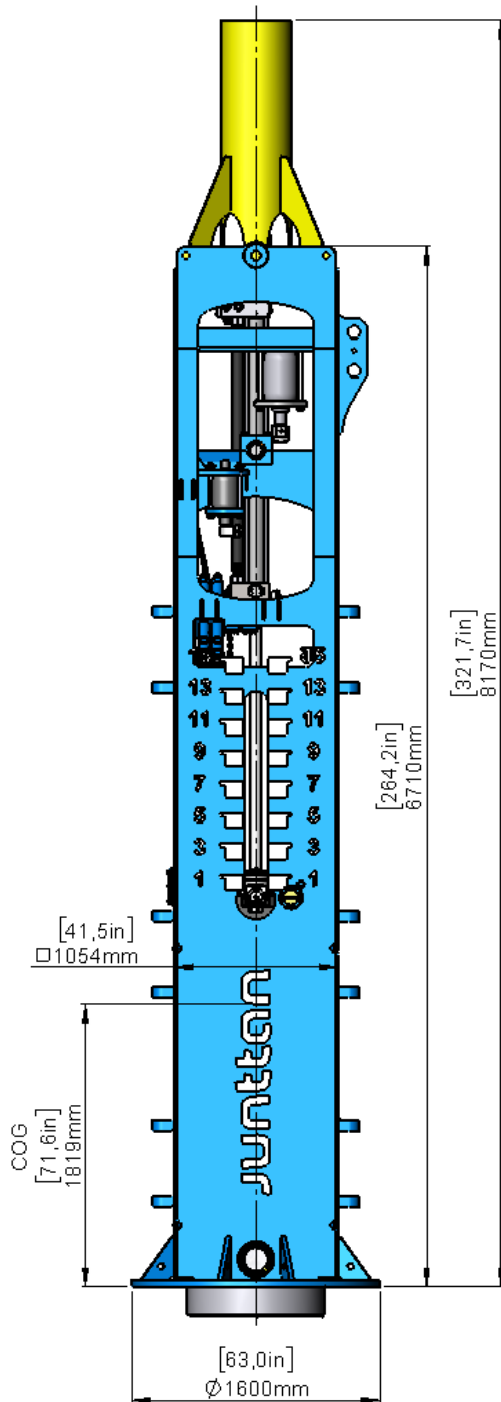
Max. energy  
Blow rate @ 320 kNm /  
236 020 ft-lb  
30 bl/min

Min. energy  
Blow rate @ 18 kNm /  
13 276 ft-lb  
100 bl/min

Stroke  
1 500 mm / 5 ft



## HHK16SB



### Weights

Hammer weight	23 200 kg / 51 200 lb
Ram block weight (Transport weight with top plate)	16 000 kg / 35 250 lb 16 370 kg / 36 100 lb

### Hydraulics' specification

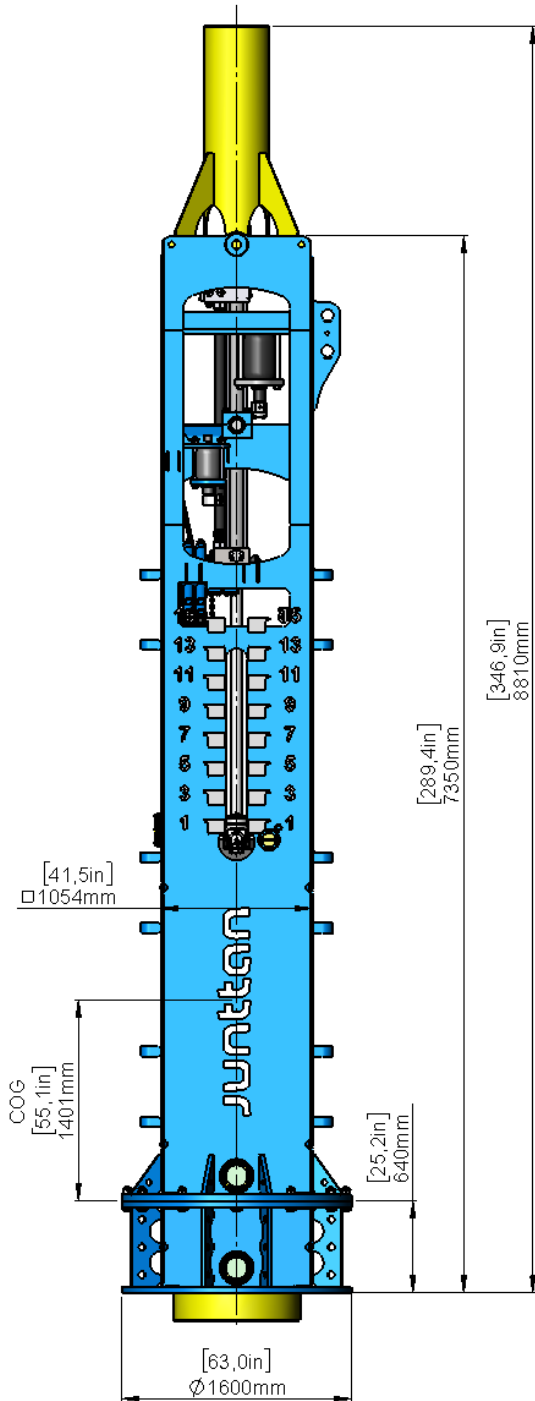
Operating pressure	241 bar / 3 350 psi
Oil flow for 30 bl/min	565 L/min 149 gpm
Pressure accumulators Nitrogen pressure	2 pcs / 10 L / 2,67 gal 131 bar @ 20 °C 1 900 psi @ 68 °F
Return accumulators Nitrogen pressure	2 pcs / 4 L / 1 gal 6 bar @ 20 °C 87psi @ 68 °F
Pressure hoses	2 x 38 mm 2 x 1½ in
Return hoses	2 x 38 mm 2 x 1½ in

### Performance

Max. energy	262 kNm / 193 241 ft-lb
Blow rate @ 262 kNm / 193 241 ft-lb	30 bl/min
Min. energy	12 kNm / 8 851 ft-lb
Blow rate @ 12 kNm / 8 851 ft-lb	100 bl/min
Stroke	1 500 mm / 5 ft



## HHK16/20SB



### Weights

Hammer weight	28 300 kg / 62 400 lb
Ram block weight (Transport weight with top plate)	20 000 kg / 44 100 lb 20 300 kg / 44 750 lb

### Hydraulics' specification

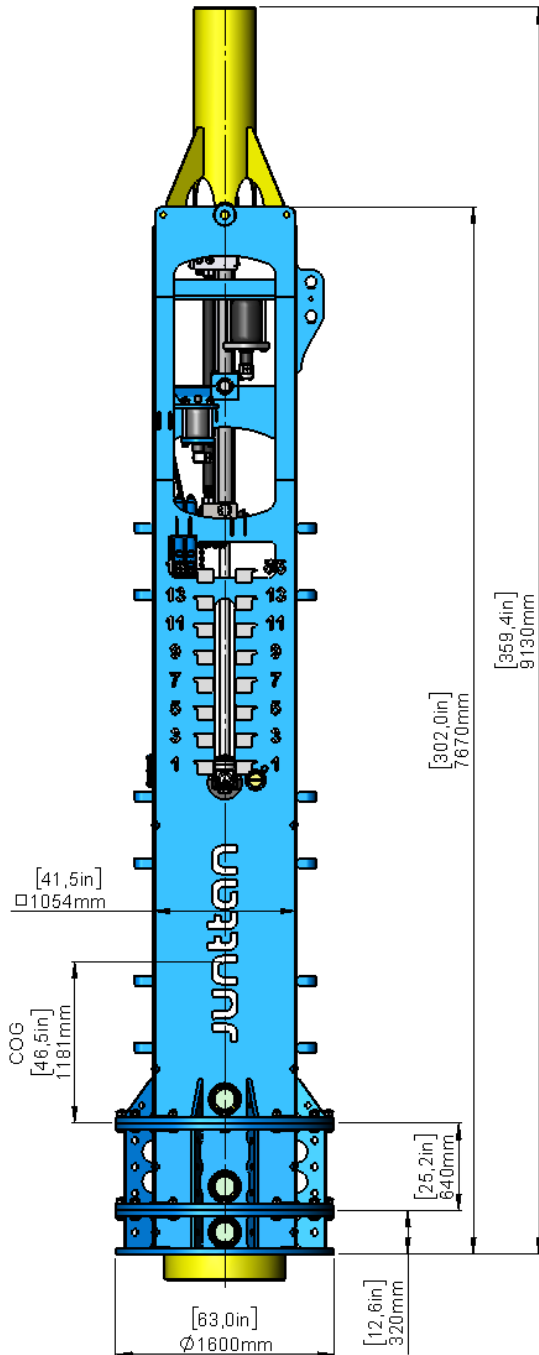
Operating pressure	290 bar / 4 206 psi
Oil flow for 30 bl/min	565 L/min 149 gpm
Pressure accumulators Nitrogen pressure	2 pcs / 10 L / 2,67 gal 2 bar @ 20 °C 2 psi @ 68 °F
Return accumulators Nitrogen pressure	2 pcs / 4 L / 1 gal 6 bar @ 20 °C 87 psi @ 68 °F
Pressure hoses	2 x 38 mm 2 x 1½ in
Return hoses	2 x 38 mm 2 x 1½ in

### Performance

Max. energy	320 kNm / 236 019 ft-lb
Blow rate @ 320 kNm / 236 019 ft-lb	30 bl/min
Min. energy	15 kNm / 11 063 ft-lb
Blow rate @ 15 kNm / 11 063 ft-lb	100 bl/min
Stroke	1 500 mm / 5 ft



## HHK16/18/20/22SB



### Weights

Hammer weight	31 300 kg / 69 000 lb
Ram block weight (Transport weight with top plate)	22 000 kg / 48 500 lb 22 240 kg / 49 050 lb

### Hydraulics' specification

Operating pressure	300 bar / 4 351 psi
Oil flow for 30 bl/min	565 L/min 149 gpm
Pressure accumulators Nitrogen pressure	2 pcs / 10 L / 2,67 gal 164 bar @ 20 °C 2 379 psi @ 68 °F
Return accumulators Nitrogen pressure	2 pcs / 4 L / 1 gal 6 bar @ 20 °C 87 psi @ 68 °F

Pressure hoses  
2 x 38 mm  
2 x 1½ in

Return hoses  
2 x 38 mm  
2 x 1½ in

### Performance

Max. energy  
Blow rate @ 320 kNm /  
236 020 ft-lb  
30 bl/min

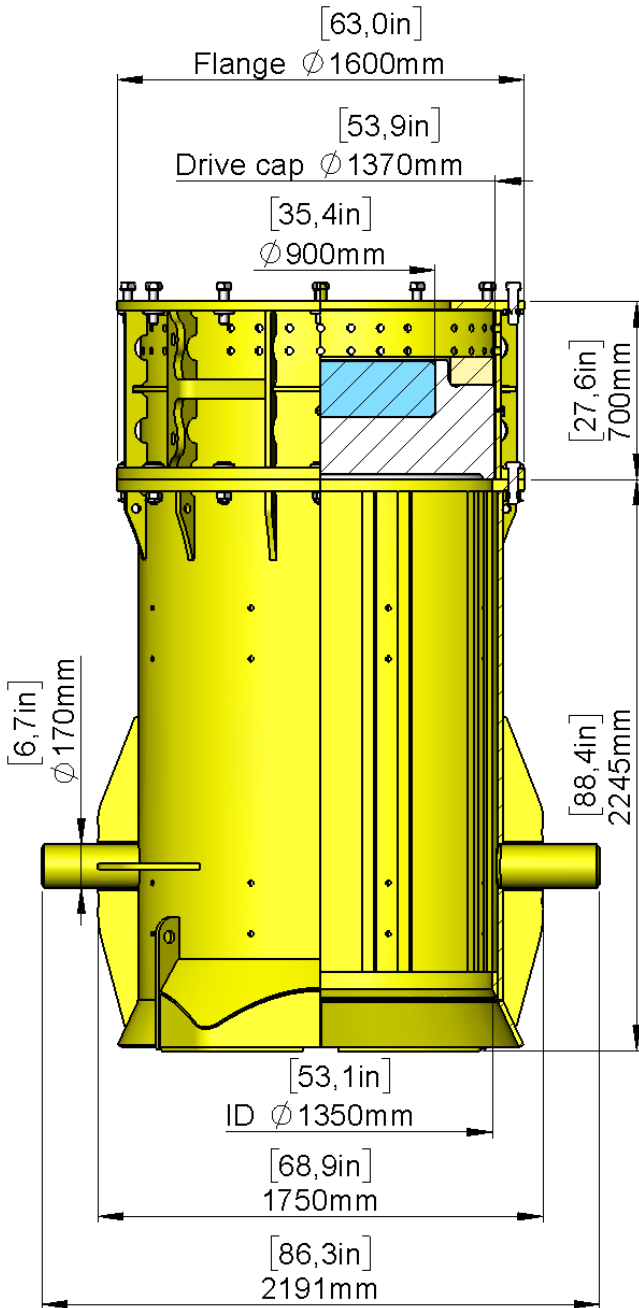
Min. energy  
Blow rate @ 18 kNm /  
13 276 ft-lb  
100 bl/min

Stroke  
1 500 mm / 5 ft



## HHK16-22S / SB

### Drive Cap and Pile Guide for OD Ø1321 mm / 52 in pile



#### Weights

Total 7 550 kg / 16 650 lb

Total mass includes:

		Junttan nr.
Drive cap housing	1 250 kg / 2 760 lb	2031813
Drive cap	3 540 kg / 7 810 lb	2041581
Pile sleeve	2 490 kg / 5 490 lb	2043520
Rebound rings	90 kg / 200 lb	2010490
Cushion	160 kg / 360 lb	2006958

#### Accessories

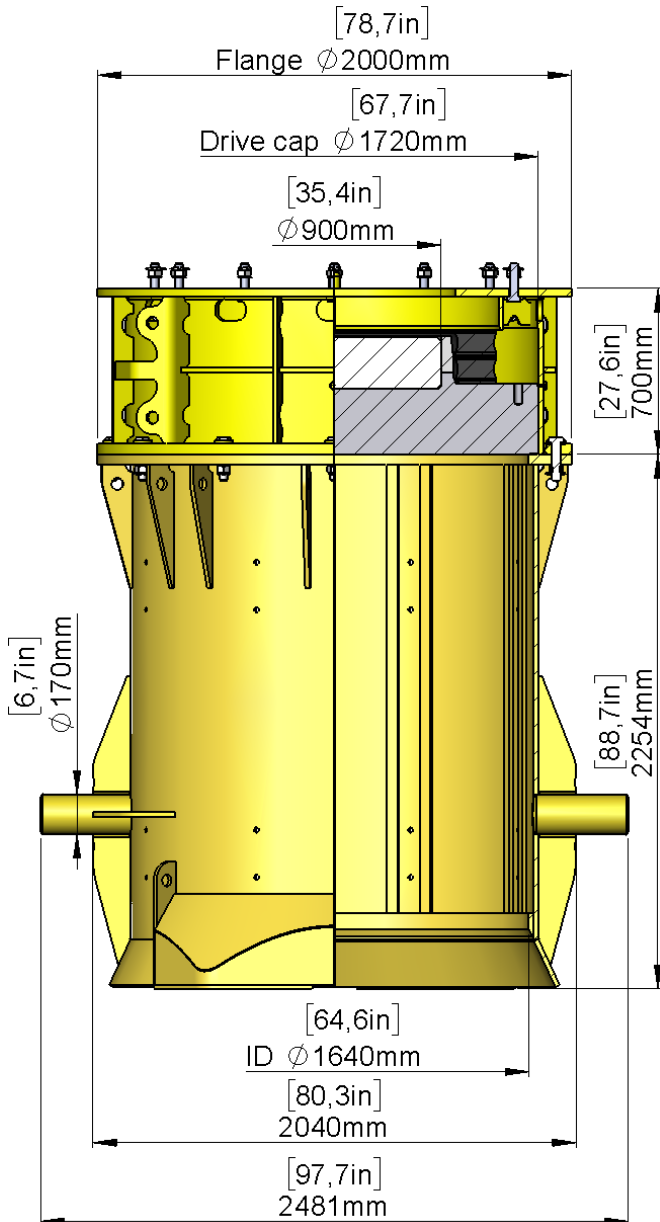
Standard size inserts (8 pcs/pile OD)  
 Ø1220 mm / 48 in 600 kg / 1 330 lb  
 Ø1020 mm / 40 in 700 kg / 1 550 lb





## HHK16-22S / SB

### Drive Cap and Pile Guide for OD Ø1625 mm / 64 in pile



#### Weights

Total 11 000 kg / 24 250 lb

Total mass includes:

		Junttan nr.
Drive cap housing	1 790 kg / 3 950 lb	2019360
Drive cap	5 570 kg / 12 280 lb	272482
Pile sleeve	3 130 kg / 6 910 lb	2036075
Rebound rings	340 kg / 750 lb	2006966
Cushion	160 kg / 360 lb	2006958

#### Accessories

Standard size inserts (8 pcs/pile OD)

Ø1524 mm / 60 in	400 kg / 890 lb
Ø1420 mm / 56 in	600 kg / 1 330 lb
Ø1220 mm / 48 in	800 kg / 1 770 lb



## HHK16S

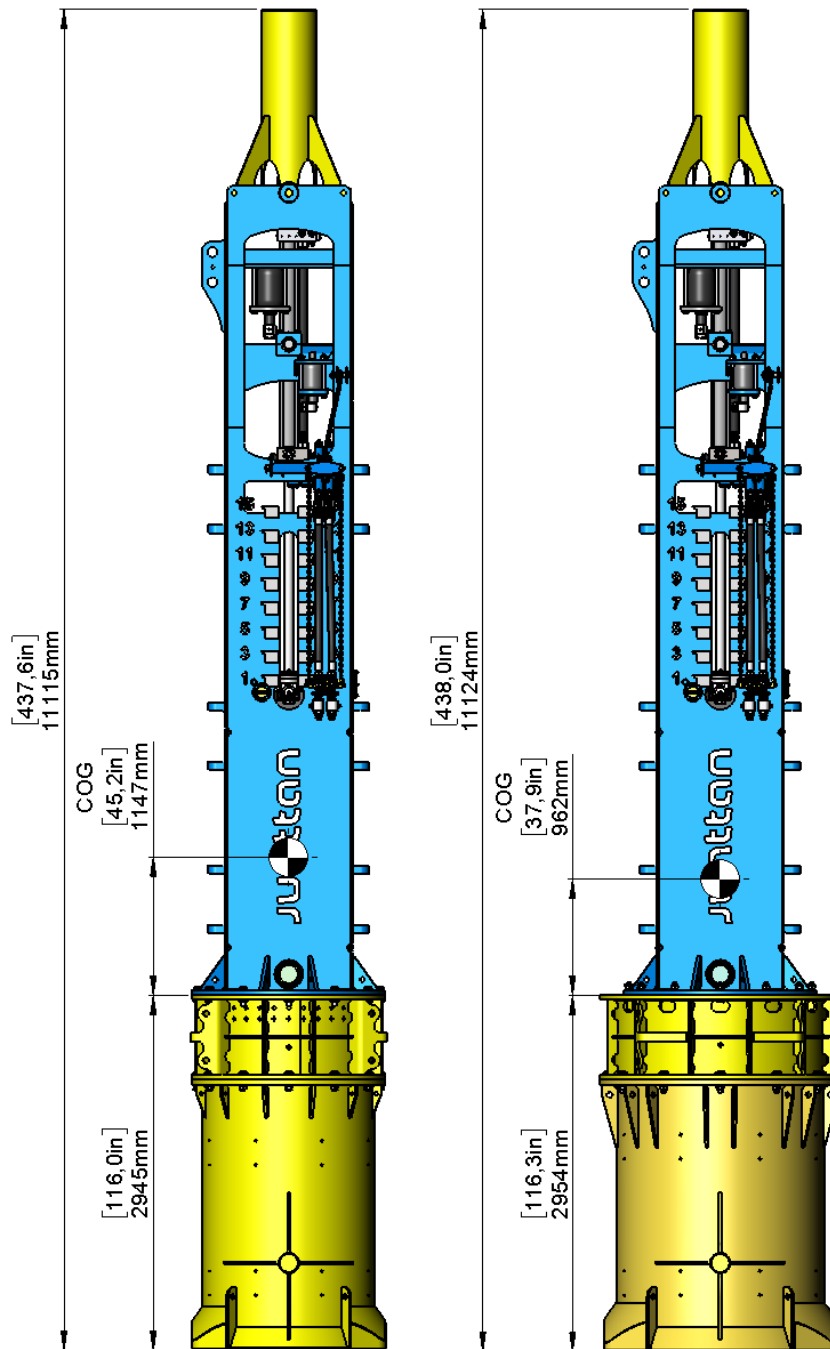
Max. pile  
Drive cap

Ø1321 mm / 52 in  
Ø1370 mm

Ø1625 mm / 64 in  
Ø1720 mm

Total mass:  
30 700 kg / 67 700 lb

Total mass:  
34 100 kg / 75 200 lb



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## HHK16/18S

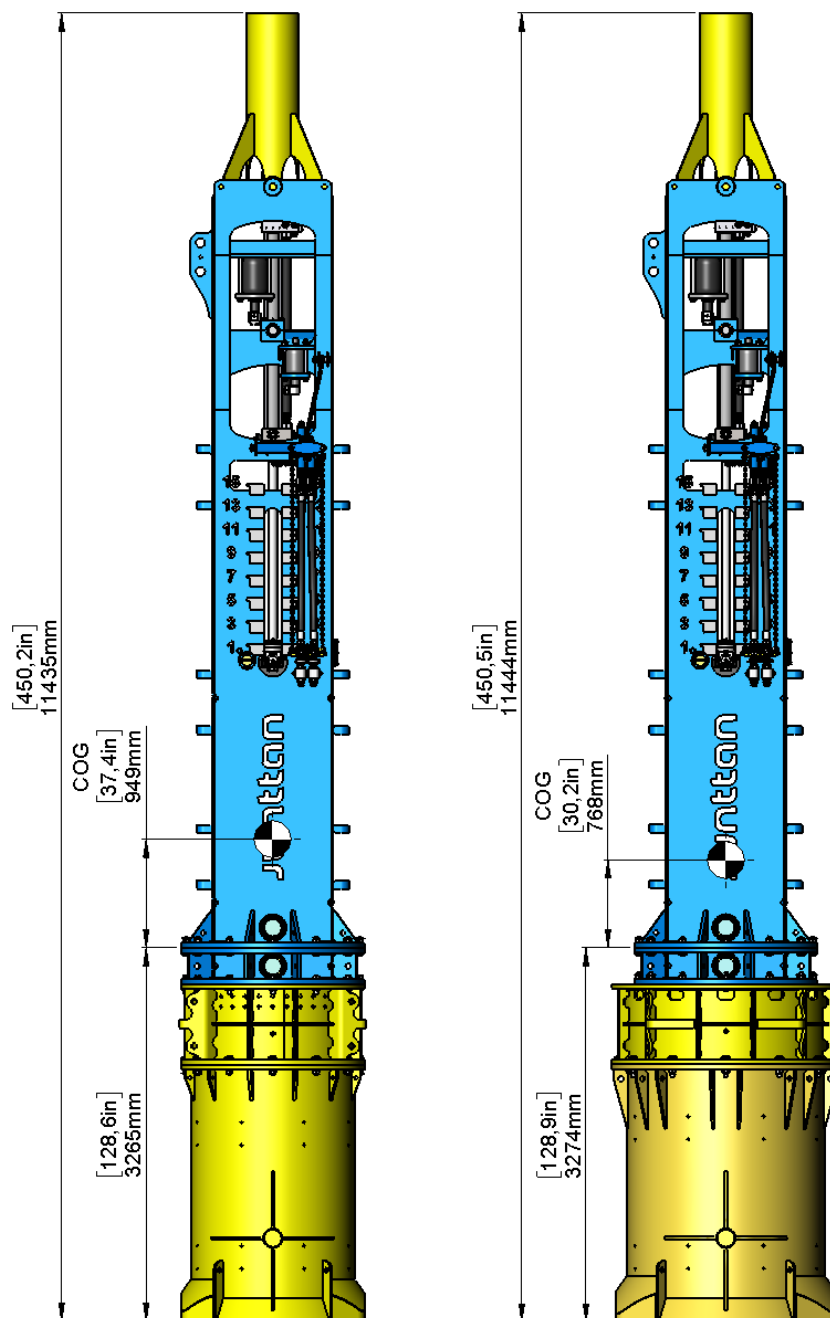
Max. pile  
Drive cap

Ø1321 mm / 52 in  
Ø1370 mm

Ø1625 mm / 64 in  
Ø1720 mm

Total mass:  
33 600 kg / 74 100 lb

Total mass:  
37 100 kg / 81 800 lb



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## HHK16/20S

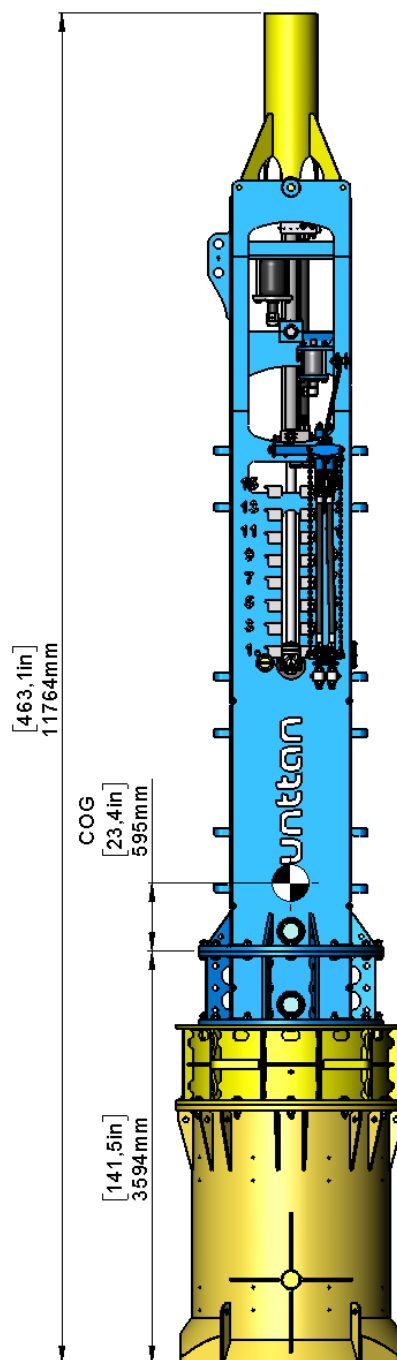
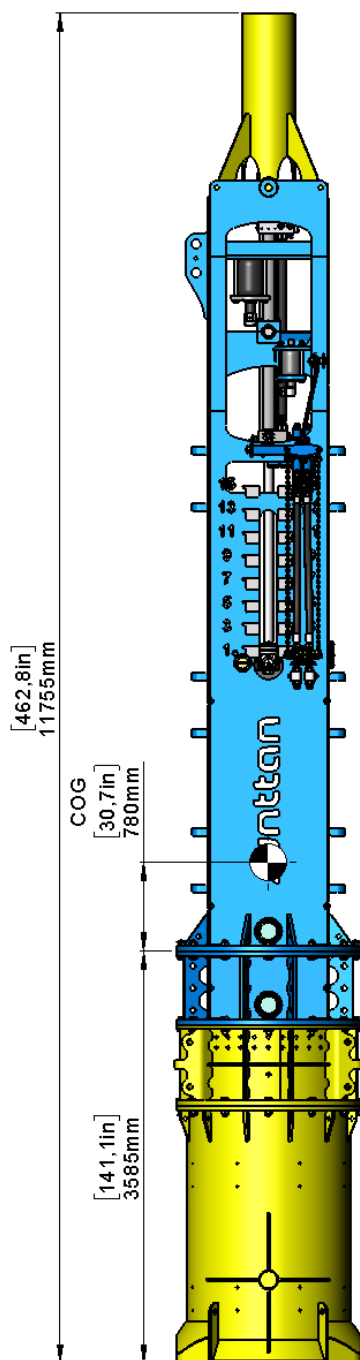
Max. pile  
Drive cap

Ø1321 mm / 52 in  
Ø1370 mm

Ø1625 mm / 64 in  
Ø1720 mm

Total mass:  
35 900 kg / 79 150 lb

Total mass:  
39 300 kg / 86 650 lb



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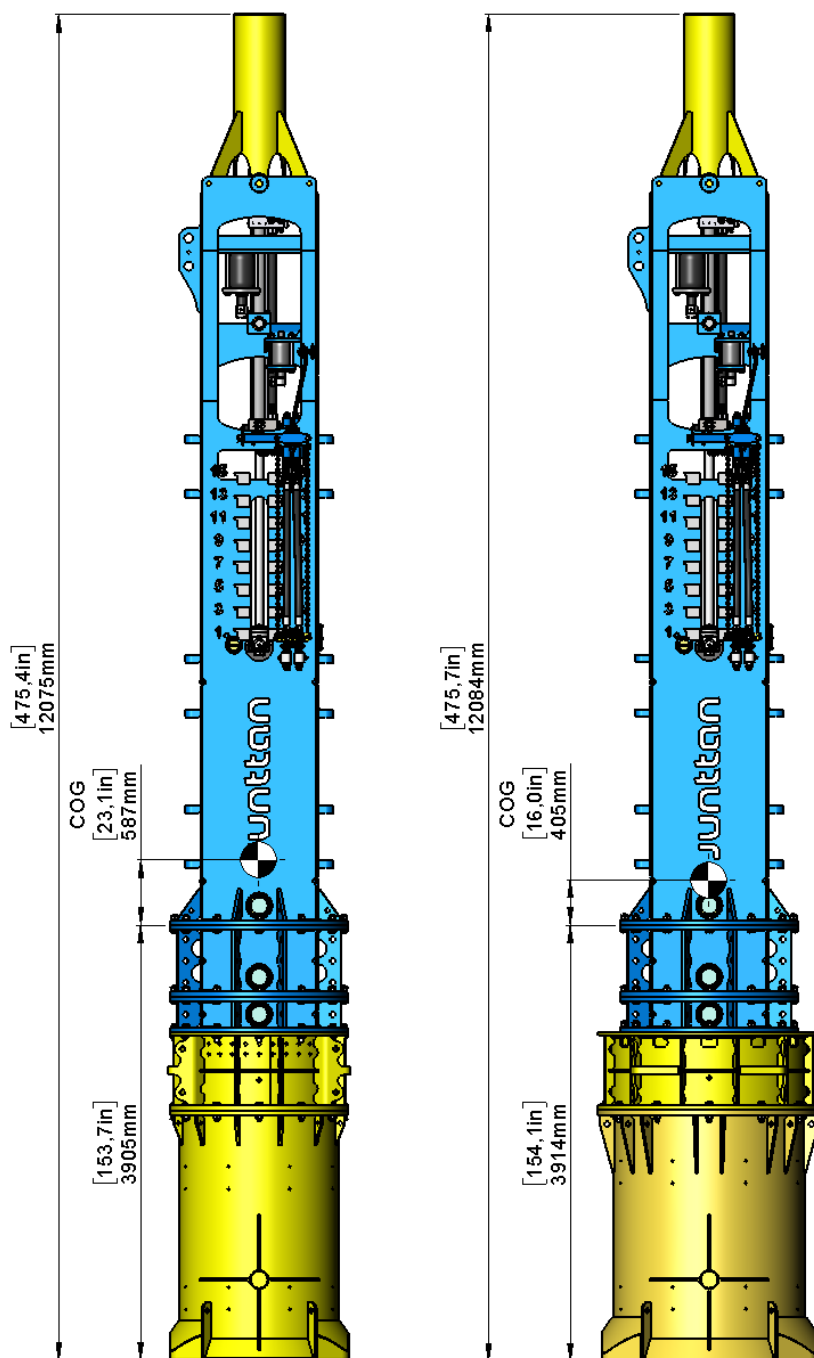
## HHK16/18/20/22S

Max. pile            Ø1321 mm / 52 in  
 Drive cap            Ø1370 mm

Ø1625 mm / 64 in  
 Ø1720 mm

Total mass:  
 38 800 kg / 85 550 lb

Total mass:  
 48 200 kg / 106 250 lb



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