



### NSHS-1003 [🔗](#)

Hydraulic cylinder, 700 bar

BETEX NSHS Hollow-piston cylinder, single-acting, spring return, 100T class

## Technical information



### Your current product variant

Series	NSHS	Hollow piston cylinder
Version	100T	Capacity class 100



### Technical data

	100	Capacity class (tons)
s <sub>p</sub>	76 mm	Stroke
A <sub>p</sub>	143 cm <sup>2</sup>	Effective piston area
F <sub>a</sub>	1.001 kN	Advance force, max.
P <sub>max</sub>	700 bar	Operating pressure, max.
V <sub>oil</sub>	1.085 cm <sup>3</sup>	Oil capacity
A	254 mm	Height, retracted
B	330 mm	Height, extended
D	213 mm	Outer diameter
E	165 mm	Cylinder bore diameter
F	125 mm	Plunger diameter
H	38 mm	Base to advance port
J	125 mm	Saddle diameter
K	12 mm	Saddle protrusion from plunger
O	4"-16 UN	Plunger female thread (UN)
P	30 mm	Plunger thread length
U	178 mm	Base mounting holes, bolt circle
V	5/8"-11 UN	Base mounting holes, thread (UNC)
Z	19 mm	Base mounting holes, thread depth
W	8 3/8"-12 UN	Collar thread (UN)
X	60 mm	Collar thread, length
Y	79 mm	Center hole diameter
≈m	50,1 kg	Weight

### Additional information

Hard chrome plated and hardened piston,  
Rolled inside of cylinder,  
Sandblasted outside  
with black nitride coating,  
Coupling with dust cap

Product specifics