Parts Found Online

Linear Thrust Bearing:

PTFE-Lubricated SAE 841 Bronze Flanged Bearing, ¼” Shaft, 3/8” OD, ¼” Length, ½” Flange

McMaster No: 1677K1, <http://www.mcmaster.com/#1677k1/=z4mgs1>

Linear slide rod:

These rods come with various lengths, chose arbitrarily 18” length

Hardened Precision Steel Shaft, ¼” Dia, 18” length,

McMaster No: 6061K41, <http://www.mcmaster.com/#6061k41/=z4n0gt>

Other lengths: <http://www.mcmaster.com/#linear-shafts/=z4n0xk>

Threaded Rod:

ASTM A193 Grade B7 Steel Threaded Rod, ¼”-20 Thread, 18”, Fully Threaded

McMaster No: 98957A112, <http://www.mcmaster.com/#98957a112/=z4n272>

Hubbed Sprocket:

Stainless Steel, 12t, 4mm bore, 3.75mm pitch, 10mm hub dia

SDP/SI: A 6X 7M1412, <https://sdp-si.com/eStore/Catalog/Group/649#>

Roller Chain:

Stainless Steel Roller Chain, 3.75mm pitch, various lengths.

SDP/SI: A 6Y 7MM###, <https://sdp-si.com/eStore/Catalog/Group/649#>

Motor:

Pololu 25D 9.7:1 HP motor, 6V motor with 48 CPR Encoder

@6V: 1000 RPM and 450mA free run, 17 oz.-in and 6.5 A stall.

<https://www.pololu.com/product/2271>