

Piping Trades Projects

Drop Head Dies and 65R Threader

Objective: To acquire the knowledge and skills necessary for the operation and maintenance of various types of manual threaders and drop head dies using manual drive and Ridgid 700 Power Drive.

Prerequisites

Instructor demonstrations

Manufacturer's Operating Instructions and Manuals

Related video demonstrations

Wear appropriate PPE and observe all related safety precautions.

Procedure:

1. Select drop head die stocks and chasers.
2. Dismantle, clean and reassemble dies. (Check out with instructor before using)
3. On a random length of pipe, cut, ream and thread $\frac{1}{2}$ ", $\frac{3}{4}$ " and 1"
4. Thread by hand using nipple chuck:
 - a) $\frac{1}{2}$ " nipple, 6" long
 - b) $\frac{3}{4}$ " nipple, 8" long
 - c) 1" nipple, 6" long
5. Reverse chasers and cut $\frac{1}{2}$ " nipple 2 $\frac{1}{2}$ " long
6. Use 65 R manual threader to cut thread on 1- $\frac{1}{4}$ " and 1- $\frac{1}{2}$ " pipe.
7. Review the Manual for the Ridgid 700 power drive.
8. Demonstrate the use of the Ridgid 700 hand held power drive using drop head dies to cut a 1" thread.

Assessment:

Demonstrate for instructor. Document your work in your electronic portfolio with links, videos or pictures as appropriate.