

“COMMANDER” MILLHOG®

Model C-314
I.D. Clamping End Prep Tool
3.75" I.D. to 14" O.D.
88.9 mm I.D. to 355.6 mm O.D.

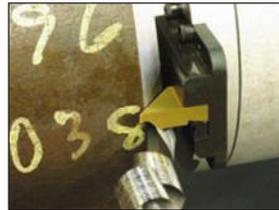
Bevels heavy wall tube, pulls a thick chip without cutting oils...

Key Features

- One mandrel and 7 sets of clamps cover entire range.
- Wide clamp ribs spread the contact force for superior clamping.
- Three powerful drive choices:
 - 3 hp pneumatic straight drive motor
 - 1800 watt electric motor
 - Hydraulic motor drive with speed control.
- Available off-set gear box reduces the rpm and multiplies the torque
- Motor drive options are easily changed and are interchangeable with the “Dictator”
- Ultra rugged gears and dual opposed tapered bearing set-up deliver produces a low maintenance tool designed for years of trouble free service
- Fully portable for on-site use
- Available for sale or rent

Applications

- Pipeline construction
- Off-shore super duplex
- Petrochemical
- Power generation
- Systems fabrication



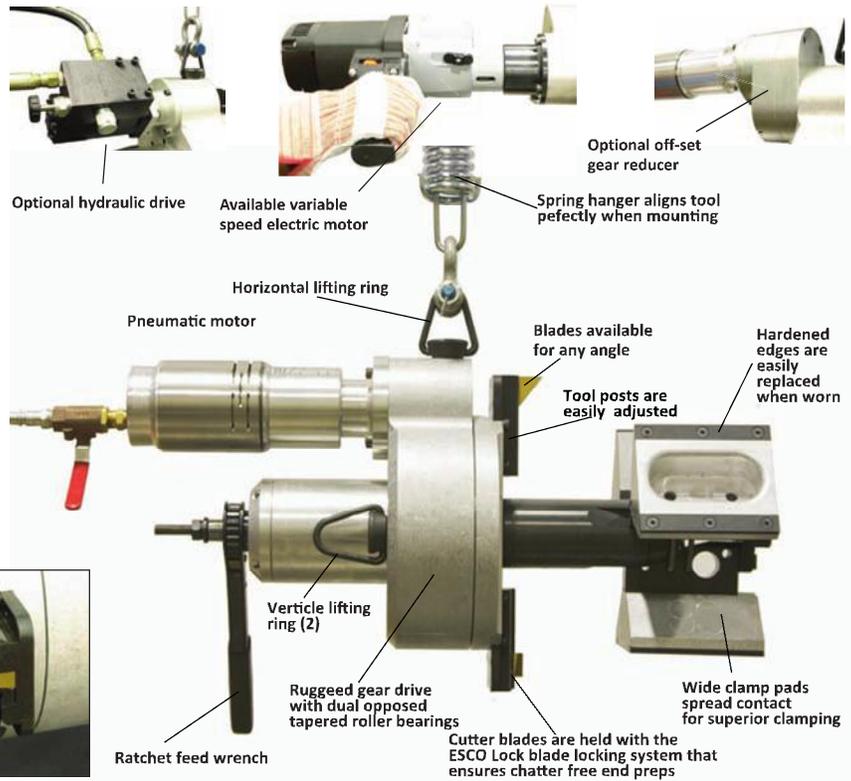
Wide clamp ribs spread the contact force for superior clamping and the Escolock blade locking system minimizes vibration, producing a heavy chip and superior end prep.

Built for Performance

Designed to prep all schedules of pipe from 3.75" I.D. to 14" O.D., the “Commander” MILLHOG® Model C-314 features a state of the art I.D. clamping system that spreads the contact points of the clamps radially inside the pipe. This minimizes vibration for chatter-free end preps on both thin and heavy wall pipe. To assure stable, smooth rotation of the cutterhead, this rugged tool employs opposed tapered roller bearings that are easy to adjust and never wear out.

Powerful and versatile, torque at the cutting blade for the Model C-314 is achieved with the choice of three motor options suited to fit your application(s). All drives are easily changed and are also interchangeable with the “Dictator.”

Like all MILLHOGS, the “Commander” MILLHOG® Model C-314 is simple to operate and designed for years of trouble free service.



Electric or pneumatic both drive motors deliver plenty of power for the toughest pipe alloys.

Specifications

“Commander” MILLHOG® model C-314	
Working Range:	3.750" (95.25 mm) I.D. to 14" (355.6 mm) O.D.
Motor, pneumatic	3 h.p. (2.237 kw)
Air Pressure	90 psi. (6.2 bar)
Air Volume	95 cfm (2690 lt/min.)
Speed	16 RPM
Motor, electric	110 volt 1800 watt 40/60 hz, 230 volt (consult factory)
Hydraulic pump requirements	(8-12) gallons per minute, 5 h.p., 200 volt (3) phase 20 gallon reservoir @ 1,500 psi
Minimum Clearance	12.750" (323.9 mm)
Head Length	19.750" (501.7 mm) 12" (305 mm) with right angle drive
Working Weight	85 lbs. (38.5 kg)
Shipping Weight	200 lbs. (91 kg)
Shipping Dimensions	32" x 15" x 17" (813 mm x 381 mm x 432 mm)
<i>Manufacturer reserves the right to change specifications without notice.</i>	

Commander Clamp Rib Selector and corresponding spares

Mandrel, Draw Rod, Actuator, Retention Spring

Clamp Set	I.D. Range				Mandrel Part #	Draw Rod Size	Actuator		Retention Spring
	in		mm				Part #	Roll Pin	
C-01	3.750	4.500	95.250	114.300	C-37	3	C-14	C-11	C-13
C-02	4.375	5.250	111.130	133.350	C-37	3	C-14	C-11	C-13
C-03	5.125	6.000	130.180	152.400	C-37	3	C-14	C-11	C-13
C-04	5.875	6.800	149.230	172.720	C-37	3	C-14	C-11	C-13
C-01 & C-05	6.750	7.562	171.450	192.080	C-37	3	C-14	C-11	C-13
C-02 & C-05	7.437	8.250	188.900	209.550	C-37	3	C-14	C-11	C-13
C-03 & C-05	8.125	8.938	206.380	227.030	C-37	3	C-14	C-11	C-13
C-04 & C-05	8.875	9.700	225.430	246.380	C-37	3	C-14	C-11	C-13
C-01 & C-06	9.687	10.500	246.050	266.700	C-37	3	C-14	C-11	C-13
C-02 & C-06	10.375	11.125	263.530	282.580	C-37	3	C-14	C-11	C-13
C-03 & C-06	11.000	11.812	279.400	300.030	C-37	3	C-14	C-11	C-13
C-04 & C-06	11.750	12.500	298.450	317.500	C-37	3	C-14	C-11	C-13
C-03 & C-07	12.400	13.250	314.960	336.550	C-37	3	C-14	C-11	C-13
C-04 & C-07	13.125	14.000	333.380	355.600	C-37	3	C-14	C-11	C-13