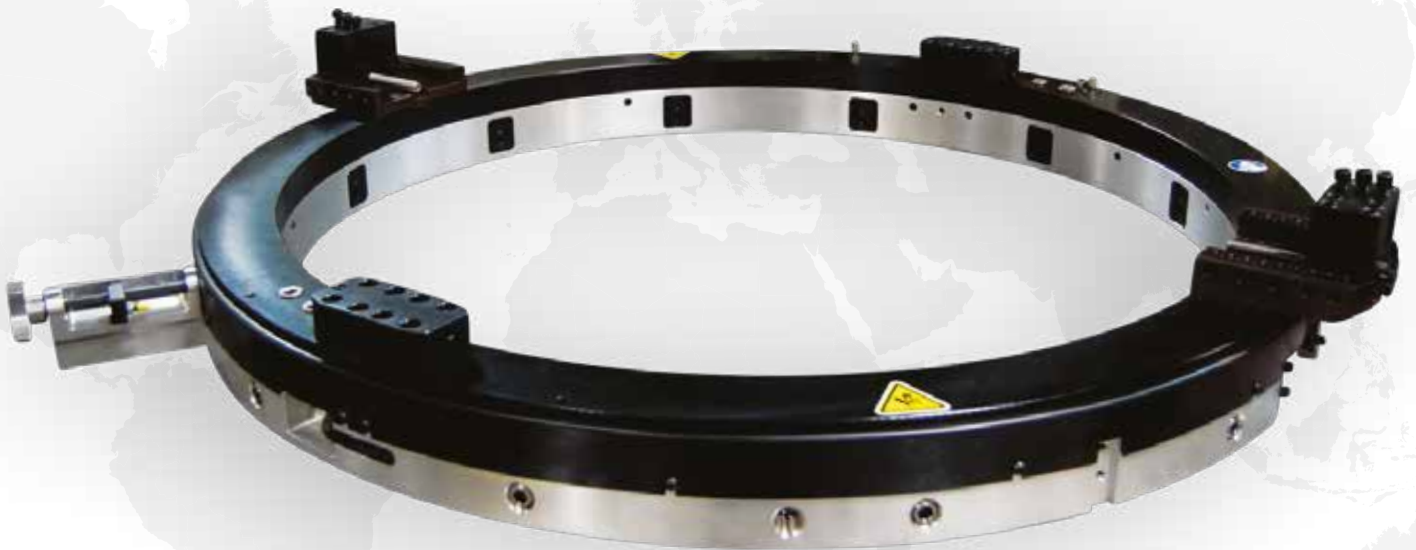


DL RICCI **CLAMSHELL CUTTERS**

DIAMETERS FROM 2 TO 177" (51 - 4572 MM)

PORTABLE PIPE CUTTING AND BEVELLING MACHINES



NB Narrow Body Series Clamshell Cutters



▼ DLR-NB12 Narrow Body Clamshell Cutter



2-36"
Narrow Body

**CLAMSHELL
CUTTERS**

Mounting Diameter Range:

2 - 36"

Body Size:

3" Height

2.25" Width

- **Standard models cover a range from 50,8 to 914,4 mm (2 to 36") OD**
- **Pneumatic, hydraulic and electric drive options provide increased versatility**
- **Fully adjustable heavy duty bearing design provides greater serviceability**
- **Stepped and keyed gear clamps equipped with a through bolt provide a positive fit at each assembly joint**
- **Several different drive options are available to best position the motor for a specific machining application**
- **NB series clamshells accept a wide range of accessories to increase performance and expand capabilities**
- **Locator extensions are also compatible with the MS series clamshells**



**Included as Standard
with Each Machine**

- Clamshell body
- Locators & extensions covering the full range
- Slides
- Motor & Mounting
- Air Caddy
- Tool Kit
- Manual
- Shipping crate



Description

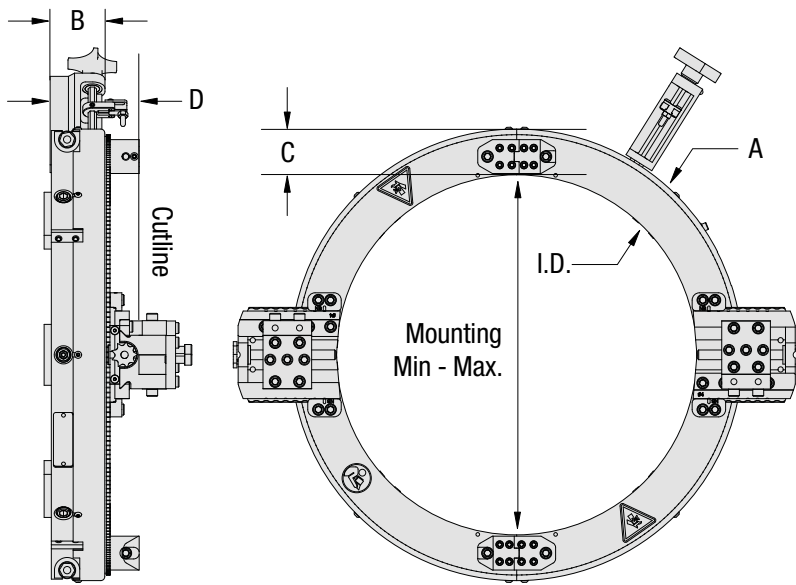
NB or "Narrow Body" portable clamshells are ideal when space is at a premium. Each of the machines within the NB series has a height of 76.2 mm (3") and a width of 57.2 mm (2.25"). The resulting narrow body low profile design makes the NB series the perfect choice in tight spaces or if obstructions are present.

Applications include

Essentially any industry that needs pipe or tube cutting, or any pipe end preparation weld repair. This may be in oil and gas sector, power generation, ship building/dock yards, or processing plants during maintenance and shut downs.



NB Narrow Body Series Clamshell Cutters



NB Clamshell Specs (all models):

B = 3" (76.2 mm)

C = 2.25" (57.2 mm)

D = 4.5" (114.3 mm)

* "D" dimension (or cutline) may change with different tooling.
Contact consultant for specifics.

MACHINE DIMENSIONS

Model Number	UNIT OF MEASURE	MOUNTING MIN - MAX	MACHINE I.D.	A	B	C	D	MACHINE WEIGHT
DLR-NB4	Std. - inch Metric - mm	2.0 – 4.5 50.8 – 114.0	4.75 120.7	9.25 235	3 76.2	2.25 57.2	4.5 114.3	25 lbs 11.35 kg
DLR-NB6	Std. - inch Metric - mm	2.375 – 6.625 60.3 – 168.3	6.875 174.6	11.375 288.9	3 76.2	2.25 57.2	4.5 114.3	37 lbs 16.80 kg
DLR-NB8	Std. - inch Metric - mm	3.5 – 8.625 88.9 – 219.1	8.875 225.4	13.375 339.7	3 76.2	2.25 57.2	4.5 114.3	43 lbs 19.52 kg
DLR-NB10	Std. - inch Metric - mm	4.5 – 10.75 114.3 – 273.1	11.25 285.8	15.75 400.1	3 76.2	2.25 57.2	4.5 114.3	50 lbs 22.7 kg
DLR-NB12	Std. - inch Metric - mm	6.625 – 12.75 168.3 – 323.9	13.25 336.6	17.75 450.9	3 76.2	2.25 57.2	4.5 114.3	56 lbs 25.42 kg
DLR-NB14	Std. - inch Metric - mm	8.625 – 14 219.1 – 355.6	14.5 368.3	19 482.6	3 76.2	2.25 57.2	4.5 114.3	63 lbs 28.6 kg
DLR-NB16	Std. - inch Metric - mm	10.625 – 16 219.1 – 406.4	16.5 419.1	21 533.4	3 76.2	2.25 57.2	4.5 114.3	70 lbs 31.78 kg
DLR-NB18	Std. - inch Metric - mm	12.75 – 18 323.9 – 457.2	18.5 469.9	23 584.2	3 76.2	2.25 57.2	4.5 114.3	75 lbs 34.05 kg
DLR-NB20	Std. - inch Metric - mm	14 – 20 355.6 – 508.0	20.5 520.7	25 635	3 76.2	2.25 57.2	4.5 114.3	83 lbs 37.68 kg
DLR-NB24	Std. - inch Metric - mm	18 – 24 457.2 – 609.6	24.5 622.3	29 736.6	3 76.2	2.25 57.2	4.5 114.3	98 lbs 44.49 kg
DLR-NB26	Std. - inch Metric - mm	20 – 26 508.0 – 660.4	26.5 673.1	31 787.4	3 76.2	2.25 57.2	4.5 114.3	104 lbs 47.21 kg
DLR-NB28	Std. - inch Metric - mm	22 – 28 558.8 – 711.2	28.5 723.9	33 838.2	3 76.2	2.25 57.2	4.5 114.3	112 lbs 50.84 kg
DLR-NB30	Std. - inch Metric - mm	24 – 30 609.6 – 762.0	30.5 774.7	35 889	3 76.2	2.25 57.2	4.5 114.3	118 lbs 53.57 kg
DLR-NB32	Std. - inch Metric - mm	26 – 32 660.4 – 812.8	32.5 825.5	37 939.8	3 76.2	2.25 57.2	4.5 114.3	124 lbs 56.29 kg
DLR-NB36	Std. - inch Metric - mm	30 – 36 762.0 – 914.4	36.5 927.1	41 1041.4	3 76.2	2.25 57.2	4.5 114.3	135 lbs 61.29 kg

MS Mid Size Series Clamshell Cutters



▼ DLR-MS30 Mid-Size Clamshell Cutter



4.1 - 48.25"
Mid Size

**CLAMSHELL
CUTTERS**

Mounting Diameter Range:

4.125 - 48.25"

Body Size:

3.83" Height

3.03" Width

- 12 Standard models cover a range of 4.125 to 48.25" (104.8 to 1225.6 mm OD)
- Pneumatic and hydraulic drive options provide increased versatility
- Fully adjustable heavy duty bearing design provides greater serviceability
- Stepped and keyed gear clamps equipped with a through bolt provide a positive fit at each assembly joint
- Several different drive options are available to best position the motor for a specific machining application
- MS series clamshells accept a wide range of accessories to increase performance and expand capabilities
- Locator extensions are compatible with the NB series clamshells



**Included as Standard
with Each Machine**

- Clamshell body
- Locators & extensions covering the full range
- Slides
- Motor & Mounting
- Air Caddy
- Tool Kit
- Manual
- Shipping crate

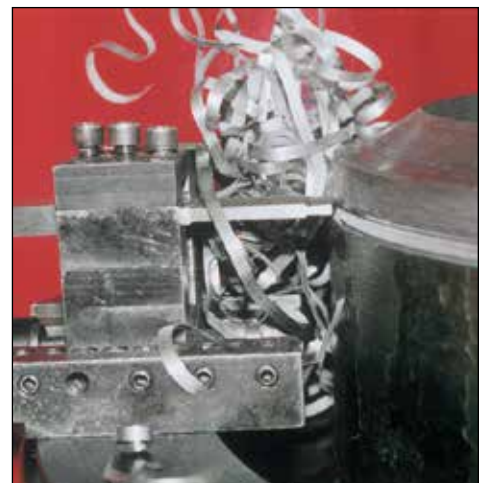


Description

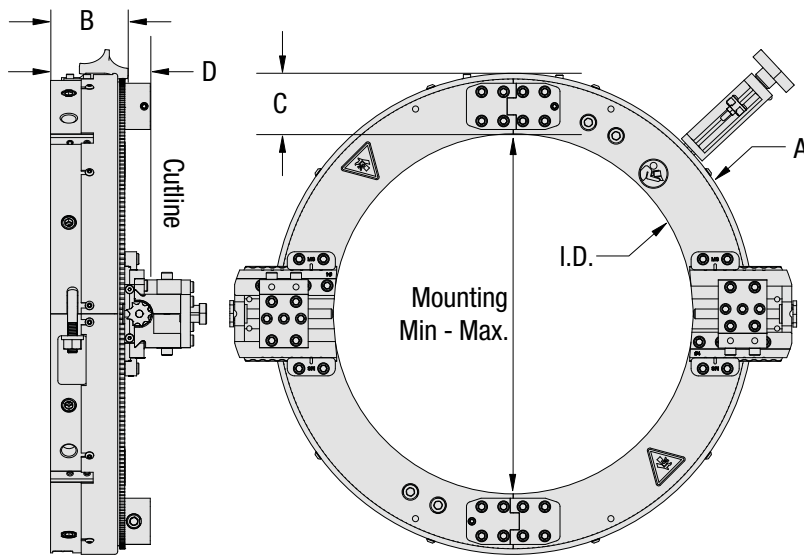
DL Ricci™ MS or Mid-Size portable Clamshell series weigh less than the HD series but provide greater rigidity than machines in the NB series. Each of the machines within the MS series has a height of 3.83" (97.28 mm) has a width of 3.03" (76.96 mm). These dimensions provide increased manoeuvrability and greater clearance than the HD series. These portable split frame machines are capable of pipe cutting, beveling, facing, ID boring and OD turning on a wide range of wall thicknesses.

Applications include

Essentially any industry that needs pipe or tube cutting, or any pipe end preparation/weld repair. This may be in the oil and gas sector, power generation, ship building/dock yards, or processing plants during maintenance and shut downs.



MS Mid Size Series Clamshell Cutters



MS Clamshell Specs (all models):

B = 3.83" (97.28 mm)

C = 3.03" (76.96 mm)

D = 5.33" (135.38 mm)

* "D" dimension (or cutline) may change with different tooling.
Contact consultant for specifics.

MACHINE DIMENSIONS

Model Number	UNIT OF MEASURE	MOUNTING MIN MAX	MACHINE ID	A	B	C	D	MACHINE WEIGHT
DLR-MS12	Std. - inch Metric - mm	4.125 – 13.0 104.8 – 330.2	13.25 336.55	19.312 490.52	3.83 97.28	3.03 76.96	5.33 135.38	98 lbs 44.49 kg
DLR-MS16	Std. - inch Metric - mm	7.375 – 16.25 187.3 – 412.8	16.5 419.1	22.562 573.07	3.83 97.28	3.03 76.96	5.33 135.38	119 lbs 54.02 kg
DLR-MS18	Std. - inch Metric - mm	9.375 – 18.25 238.1 – 463.6	18.5 469.9	24.562 623.87	3.83 97.28	3.03 76.96	5.33 135.38	130 lbs 59.02 kg
DLR-MS20	Std. - inch Metric - mm	11.375 – 20.25 288.9 – 514.4	20.5 520.7	26.562 674.67	3.83 97.28	3.03 76.96	5.33 135.38	141 lbs 64.01 kg
DLR-MS24	Std. - inch Metric - mm	15.375 – 24.25 390.5 – 616.0	24.5 622.3	30.562 776.27	3.83 97.28	3.03 76.96	5.33 135.38	163 lbs 74 kg
DLR-MS28	Std. - inch Metric - mm	19.375 – 28.25 492.1 – 717.6	28.5 723.9	34.562 877.87	3.83 97.28	3.03 76.96	5.33 135.38	185 lbs 83.99 kg
DLR-MS30	Std. - inch Metric - mm	21.375 – 30.25 542.9 – 768.4	30.5 774.7	36.562 928.675	3.83 97.28	3.03 76.96	5.33 135.38	196 lbs 88.98 kg
DLR-MS32	Std. - inch Metric - mm	23.375 – 32.25 593.7 – 819.2	32.5 825.5	38.562 979.47	3.83 97.28	3.03 76.96	5.33 135.38	209 lbs 94.88 kg
DLR-MS36	Std. - inch Metric - mm	27.375 – 36.25 695.3 – 920.8	36.5 927.1	42.562 1081.07	3.83 97.28	3.03 76.96	5.33 135.38	231 lbs 104.87 kg
DLR-MS36.5	Std. - inch Metric - mm	27.875 – 36.75 708.0 – 933.5	37 939.8	43.062 1093.775	3.83 97.28	3.03 76.96	5.33 135.38	233 lbs 105.78 kg
DLR-MS42	Std. - inch Metric - mm	33.375 – 42.25 847.7 – 1073.2	42.5 1079.5	48.562 1233.47	3.83 97.28	3.03 76.96	5.33 135.38	264 lbs 119.85 kg
DLR-MS48	Std. - inch Metric - mm	39.375 – 48.25 1000.1 – 1225.6	48.5 1231.9	54.562 1385.875	3.83 97.28	3.03 76.96	5.33 135.38	296 lbs 134.38 kg



Out-of-round Tool Block Slide

- Dual compensating Spring Assembly
- Rides on OD of pipe and tracks the contour
- For up to 1" out-of-round

Part Number	Description
F0130A0022XX	Out of round slide
F0145A0019XX	Tripper – NB
F0145A0020XX	Tripper – MS
F0145A0028XX	Tripper – HD



When requesting the out of round slide please also specify a tripper to suit you clamshell model type.



Low Profile Tool Slide

- Brings cut line closer to the back of machine
- Allows cutting & bevelling on short pipe sections
- Use for facing, RTJ grooves and compound angle weld preps

Part Number	Description
F0130A0016XX	Low Profile slide



When using the Low Profile Slide you must use a clamshell machine at least 8" larger than the pipe diameter.



Counter-bore Swivel Head Modules

- 6" and 10" sizes available
- Match Boring Applications
- Up to 60 degree adjustability in the head
- ID Beveling

Part Number	Description
F0108A1224AA-SK	(2 INCH TRAVEL)
F0108A1224AB-SK	(6 INCH TRAVEL)

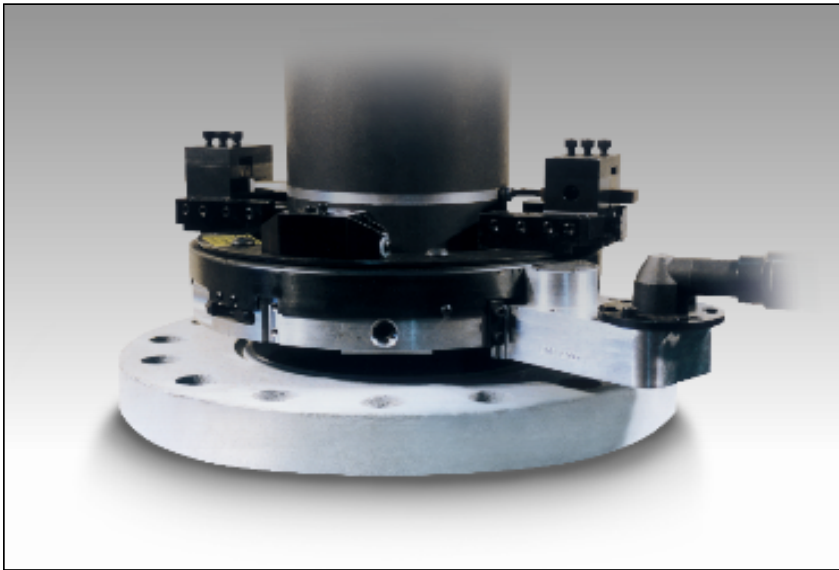


Hydraulic Power Packs

- Choice of 20 lpm and 40 lpm oil flow
- Large wheels and hand bars enable easy handling on-site
- Simple operation
- Driven by an electric engine
- Easy change oil filter

Hydraulic Output	Part Number
20 litres per minute	PP5
40 litres per minute	PP6

External Casing Cutters



Mounting Diameter Range:

10.5 – 32.5"
267 - 825 mm

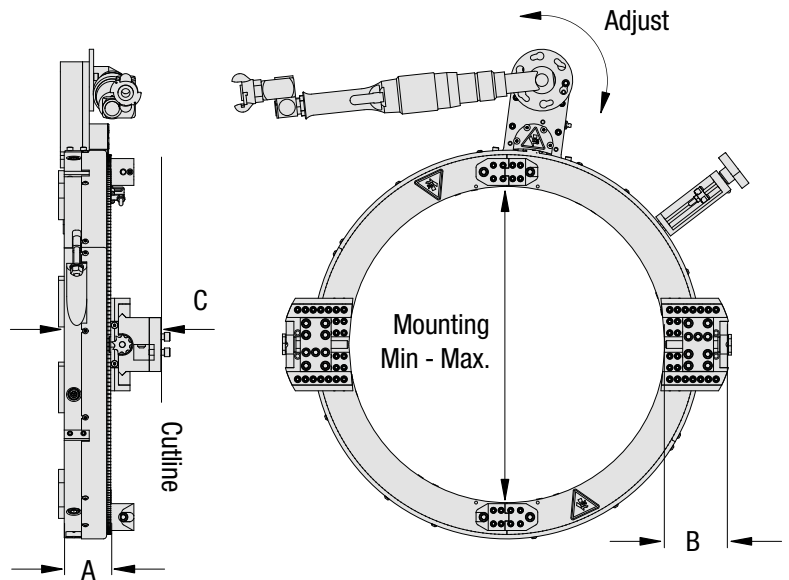
Drive type:

Pneumatic

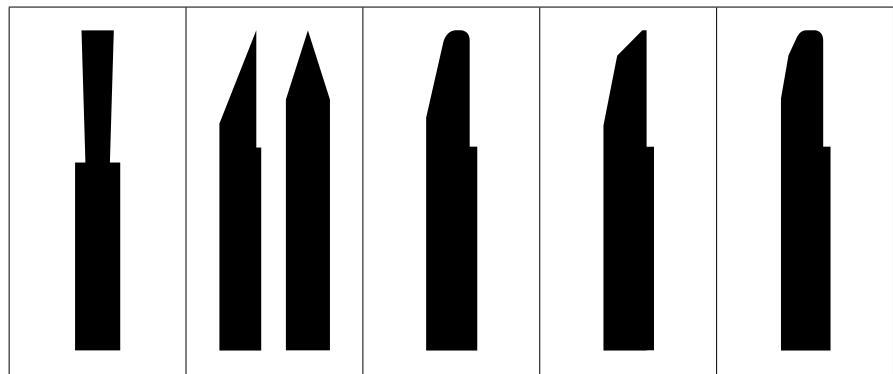
Casing Cutter Specs:

A = 3.00 inch (76.2 mm)
B = 2.25 inch (57.2 mm)
C = 4.50 inch, (114.3 mm)

- Series of pneumatically powered external casing cutters
- Contains all of the features of the DLR-NB series Narrow Body clamshell (reduced weight, low profile)
- Bi-directional gear box assembly allows for flush mounts on casing flanges



Model Number	DESCRIPTION	MOUNTING RANGE MIN - MAX		MACHINE WEIGHT
F0185A0100XA-SK	External Casing Cutter - NB10 - Pneumatic	10.50 – 11.25"	266.70 – 285.75mm	34.9 kg (76.9 lbs)
F0185A0140XA-SK	External Casing Cutter - NB14 - Pneumatic	13.75 – 14.50"	349.25 – 368.30mm	47.2 kg (104.2 lbs)
F0185A0200XA-SK	External Casing Cutter - NB20 - Pneumatic	19.75 – 20.50"	501.65 – 520.70mm	52.6 kg (115.9 lbs)
F0185A0240XA-SK	External Casing Cutter - NB24 - Pneumatic	23.75 – 24.5"	603.25 – 622.30mm	58.2kg (128.3 lbs)
F0185A0260XA-SK	External Casing Cutter - NB26 - Pneumatic	25.75 – 26.50"	654.05 – 673.10mm	60.3 kg (132.9 lbs)
F0185A0320XA-SK	External Casing Cutter - NB32 - Pneumatic	31.75 – 32.50"	806.45 – 825.50mm	69.4 kg (153 lbs)



Sever Straight Bevel J Prep Compound Bevel Compound J Prep

Description	Part Number				
SEVER CTR - 1/4" 1/2 x 1 x 3.5" M2	006EF0041034				
SEVER CTR - 1/4" 1/2 x 1 x 7" M2	006EF0041035				
SEVER CTR - 3/8" 1/2 x 1 x 3.5" M2	006EF0041041				
SEVER CTR - 3/8" 1/2 x 1 x 7" M2	006EF0041042				
SEVER -INSERTED .315" CUT OFF BLADE	006UH0050208				
INSERT -SEVER - .374" CUT OFF BLADE	006UJ0051117				
BEVEL CTR - 37 DEG RH 1 x 1 x 3.5" M2		006EA0040962			
BEVEL CTR - 37 DEG LH 1 x 1 x 3.5" M2		006EA0040967			
BEVEL CTR - 37 DEG RH 1 x 1 x 7" M2		006EA0040963			
BEVEL CTR - DBL 37 DEG 1 x 1 x 3.5" M2		006EA0040970			
SEVER CTR + BEVEL 1/8" 37 DEG RH 1 x 1 x 3.5" M2		006EF0041053			
BEVEL CTR - 30 DEG RH 1 x 1 x 3.5" M2		006EA0040955			
BEVEL CTR - 30 DEG RH 1 x 1 x 7" M2		006EA0040956			
BEVEL CTR - 15 DEG RH 1 x 1 x 7" M2		006EA0041320			
BEVEL CTR - 20 DEG RH 1 x 1 x 7" M2		006EA0041326			
BEVEL CTR - J 20 DEG RH R.187" .188" LAND M2			006EA0040978		
BEVEL CTR - J 20 DEG RH, R.19", 1 x 1 x 7, M2			006EA0053376		
BEVEL CTR - 30 -10 DEG RH 1 x 1 x 7" M2				006EA0040958	
BEVEL - 25 -10 DEG RH M2				006EA0042474	
BEVEL - 32 -15 DEG RH .403" M2				006EA0042481	
BEVEL - 37 - 20 DEG RH 7" M2				006EA0042482	
BEVEL CTR - DBL 37 - 10 DEG RH 1 x 1 x 7" M2				006EA0040974	
BEVEL CTR - 37-10 DEG RH 1 x 1 x 3.5" M2				006EA0041315	
BEVEL CTR - J 20 -10 DEG RH, R.187", 1 x 1 x 7, M2					006EA0040976
BEVEL CTR - J 37-10 DEG R.063" RH 1 x 1 x 7" M2					006EA0041341
BEVEL CTR - J 37-10 DEG R.063" RH 1 x 1 x 7" M2					006EA0041341
BEVEL CTR - J 10 DEG RH 1 x 1 x 7IN R.25" LAND.25" M2					006EA0041349
BEVEL CTR - J 37-10 DEG RH, R.187", 1 x 1 x 7", M2					006EA0053378
BEVEL CTR - J 10 DEG RH 1 x 1 x 7" R.25" LAND.25" M2					006EA0041349

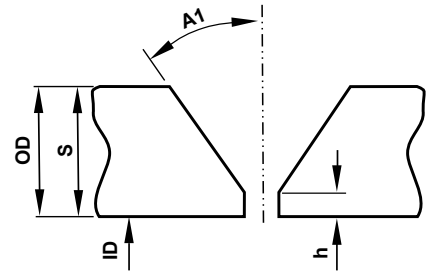


Specialised tooling can be provided on request.

- M42 or T15 equivalent tool steels can be provided
- Inserted tooling for heavy wall applications
- Tooling can be provided to customer's material specification requirements, if none specified M2 tool steel will be supplied
- You will need to provide all geometry required along with the application details. Please refer to the relevant diagram and complete the relevant table

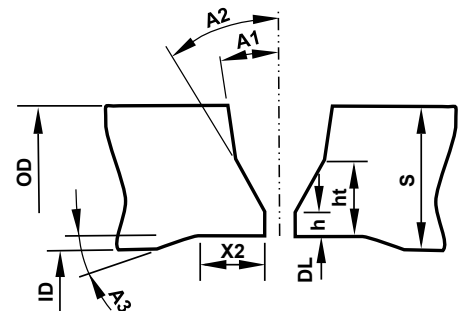
STRAIGHT BEVEL

Dimensions Required For Straight Bevel Tooling	
OD	
ID	
S	
A1	
h	



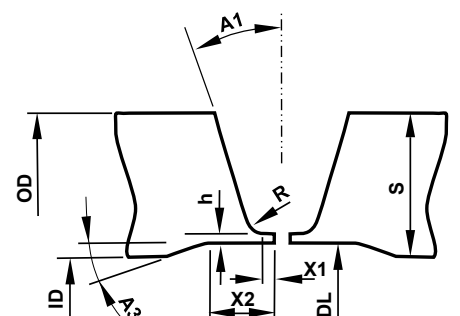
COMPOUND BEVEL

Dimensions Required For Straight Bevel Tooling			
OD		h	
ID		ht	
S		X2	
A1		A3	
A2		DL	



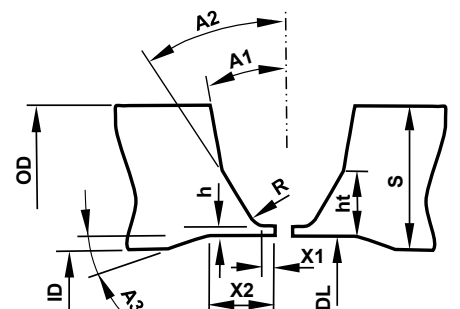
J PREP

Dimensions Required For Straight Bevel Tooling			
OD		h	
ID		X2	
S		R	
A1		DL	
A2		X1	



COMPOUND J PREP

Dimensions Required For Straight Bevel Tooling			
OD		h	
ID		ht	
S		X2	
A1		R	
A2		DL	
A3		X1	



DL Ricci Clamshell Cutters

The Range of Mirage Portable Machine Tools:

- Flange Facing Machines
- Hot Tapping machines
- Portable Drilling Machines
- Decommissioning saws
- Orbital Milling Machines
- Line Boring Machines
- Clamshell Pipe Cutters
- Custom Engineered Machines

Enerpac Industrial Tools:

- Cylinders and Jacks
- Pumps
- Systems Components
- Bolting Tools
- Presses
- Pullers
- Tools
- Heavy Lifting Technology
- Workholding Tools
- Equalizer Flange Tools
- Biach Nuclear Tools
- Custom Products

CLAMSHELL CUTTERS RANGE COMPARISON

	Mounting Range	POWER OPTIONS		
		Pneumatic	Hydraulic	Electric
Narrow Body NB Range	2 - 43 inch 51 - 1092 mm	✓	✓	✓
Mid Size MS Range	4 - 50 inch 102 - 1270 mm	✓	✓	–
Heavy Duty HD Range (32 to 86)	20 - 86 inch 508 - 2184 mm	✓	✓	–
	120 - 180 inch 3048 - 4571 mm	–	✓	–
External Casing Cutters	10.5 - 32.5 inch 267 - 826 mm	✓	–	–



Set up and operation

The operator must;

- Be trained and conversant with the product
- Be able to identify the correct and incorrect use of static or portable machines
- Comply with all local and internationally recognised safe use of powered machines