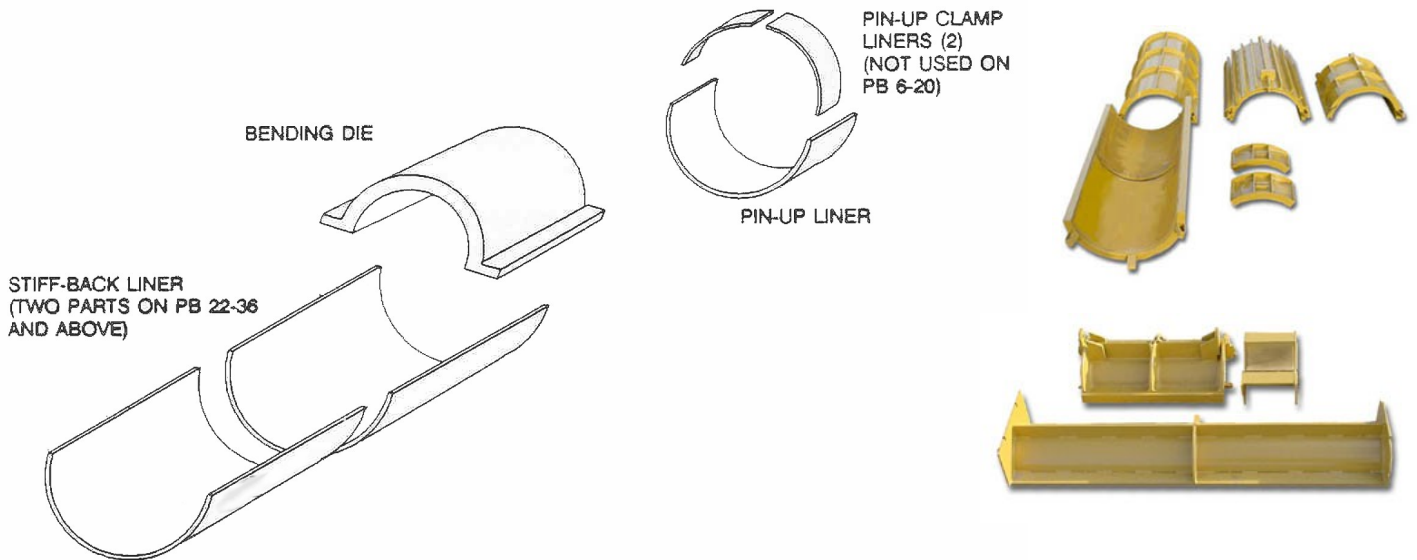




# Pipe Bending

## Pipe Bending Sets



### CHALLENGER PIPE BENDING SETS

**For Hydraulic Pipe Bending Machines 6-20, 16-30, 22-36, 32-42, 48-60**

Full bending sets, dies (only), and liner sets are available for use with all standard bending machines, for pipe diameters from 4 inches to 60 inches. Bending sets and dies are available bare or with linings, to correspond to the coating on the pipe (see bending set recommendations below). Liners can be supplied as spray, poured or strip urethane, copper, brass or stainless steel.

A separate bending set (or die only for the maximum diameter the bending machine will accept) is required for each diameter of pipe.

Standard bending sets will accommodate pipe manufactured to API-5L standards. Special order bending sets and dies are available for non-standard diameters and/or pipe coatings.

#### Bending Set Recommendations

- Standard bare bending set—bare pipe, coal tar, asphalt and annular extruded polyethylene up to 4 mm thick. Over 4 mm coating thickness requires special bare bending sets.
- Lined die with remainder of set bare—spiral welded pipe and side extruded polyethylene.
- Lined bending set including die, and lined die and liner set—epoxy (thin film), polyethylene tape, and PVC tape.
- Special bending set—foam coated pipe and small radius bends.

*These are guidelines only and should be tempered by the characteristics of the actual coating.*

Model 6-20	Length	Width	Height	CU ft	CU m	Weight (lbs/kg)
Stiff Back	85.5"/217.7 mm	21.25"/540 mm	10"/254 mm	40	1.2	1200/545
Pin Up	13.25"/336.5 mm	21.25"/540 mm	10"/254 mm			
Die	41"/3022 mm	26"/660 mm	25.5"/660 mm			
Model 16-30	Length	Width	Height	CU ft	CU m	Weight (lbs/kg)
Stiff Back*	87"/2209 mm	30.6"/768.3 mm	14.37"/365 mm	140	4.0	5290/2391
Pin Up	37.4"/952.5 mm	30.25"/768.3 mm	14.37"/365 mm			
Die	70"/1778 mm	38"/965.2 mm	27"/685.8 mm			
Clamps*	19.5"/495.3 mm	15"/381 mm	10"/260.4 mm			
Model 22-36	Length	Width	Height	CU ft	CU m	Weight (lbs/kg)
Stiff Back*	88"/2235.2 mm	36.25"/920.7 mm	17.62"/447.7 mm	160	4.6	6300/2864
Pin Up	186"/4725 mm	45"/1143 mm	47"/1194 mm			
Die	186"/4725 mm	50"/1270 mm	50"/1270 mm			
Clamps*	196"/4725 mm	54"/1372 mm	54"/1372 mm			
Model 32-42	Length	Width	Height	CU ft	CU m	Weight (lbs/kg)
Stiff Back*	97"/2463.8 mm	47.25"/1200 mm	21.75"/552.5	180	5.1	8360/3800
Pin Up	52"/1320.8 mm	97"/2463.8 mm	97"/2463.8 mm			
Die	76"/1930.4 mm	48"/1219.2 mm	28"/711.2 mm			
Clamps*	28"/711.4 mm	20"/508 mm	10"/254 mm			
Model 38-48	Length	Width	Height	CU ft	CU m	Weight (lbs/kg)
Stiff Back*	98"/2489.2 mm	52.25"/1327 mm	24.62"/625.5 mm	250	7.1	13830/6286
Pin Up	58"/1473.2 mm	52.25"/1327 mm	24.62"/625.5 mm			
Die	83"/2108.2 mm	52"/1321 mm	30.5"/774.7 mm			
Clamps*	33"/854 mm	16.75"/14.12 mm	14.12"/358.8 mm			
Model 48-60	Length	Width	Height	CU ft	CU m	Weight (lbs/kg)
Stiff Back*	118"/2997.2 mm	64"/1625.6 mm	31"/787.4 mm	350	10.0	16770/7623
Pin Up	58"/1473.2 mm	64"/1625.6 mm	31"/787.4 mm			
Die	98"/2489.2 mm	52"/1320.8 mm	30.5"/774.7 mm			
Clamps*	98"/2489.2 mm	21"/533.4 mm	16"/406.4 mm			
*2 Pieces						

## CHALLENGER PIPE BENDING SETS

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