



Solid Wall Die Heads



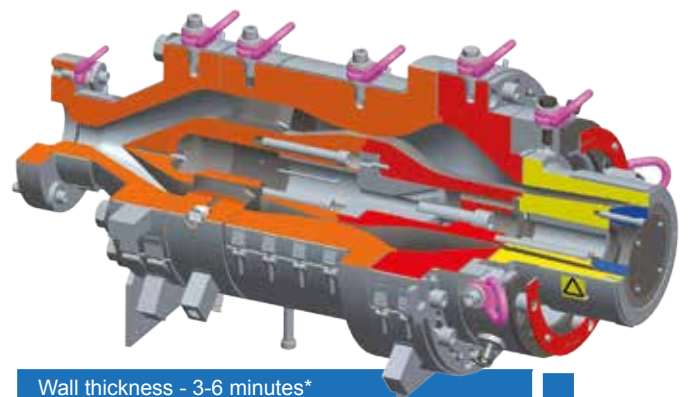
Rollepaal Solid Wall Die Heads

The long-term extrusion history of Rollepaal has resulted in products based on a sound theoretical approach and a wide practical experience. The RSD Solid Wall Die head is the tried and tested heart of a solid wall pvc pipe line.

RSD pipe heads have been designed, using a computer calculation program based on a 3-D visco-elastic model for plastics. The program calculates the optimum flow lines for compression cones that otherwise would not be feasible for reliable use in production.

Rollepaal spider dies reach the highest efficiency possible in terms of raw material usage. The RSD heads have also been designed to be robust, easy to assemble and dismantle, and maintenance friendly.

The flow lines have been optimized for reliable and reproducible production, and allow high outputs and easy to run formulations. As the compression is high, the pipes are smooth without weak spider lines.



Wall thickness - 3-6 minutes*

Diameter change - 6-12 minutes*

Range change - 12-20 minutes*

* Changeover times depend on diameter range

Benefits of Rollepaal RSD:

- Quick Tool Change – reduction in time to change of wall thickness and diameter, available for RSD 2, 4, 6 & 8.
- Thermal Centering - Temperature control zones at the die head for rapid wall thickness adjustments.
- Modular design - less tooling required for an increased range of pipe diameters
- A smooth pipe and low overweight at high outputs
- Designed for runners and variety products
- Minimum tooling for maximum pipe range
- Perfect spider line welding because of double compression
- Low inventory allows for lower dryblend stabilization
- Smart centering - reduce centering time after diameter change (RSD12 and larger)



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Product Range

	Ø = inch				2			4	6	8	10	12	16	20	24	32	40	48
	Ø = mm	10	20	40	50	63	90	110	160	200	250	315	400	500	630	800	1000	1200
RSD 2		■	■	■	■	■												
RSD 4			■	■	■	■	■	■										
RSD 6						■	■	■	■									
RSD 8							■	■	■	■	■							
RSD 12								■	■	■	■	■						
RSD 16									■	■	■	■	■					
RSD 20										■	■	■	■	■				
RSD 24											■	■	■	■	■			
RSD 30												■	■	■	■	■		
RSD 48														■	■	■	■	■



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