

Toe Sleeve

Expro's rupture disc actuated Toe Sleeve allows for a single or multiple metered sleeves to be installed in the casing string, where communication with the formation is required for fracturing or pump down.

The Toe Sleeve is an alternative to conventional completion methods. Installation of one or multiple Toe Sleeves in the casing string, positioned across the pay zone(s), eliminates the need for perforating guns. The sleeves are simultaneously opened with applied casing pressure, providing a path to the formation for hydraulic fracturing or pumping down tools.

Expro's Toe Sleeve is a cost effective, alternative solution to help eliminate the need for clean out runs and Tubing Conveyed Perforating (TCP).

Applications:	Features:	Benefits:
Toe stage fracturing	Installed on casing string	Cost effective alternative for early completions
Fluid entry for pump down	Compatible with premium threads	No clean out runs
Open hole completions	Delayed opening (optional)	Allows for extended casing tests
Large fracturing intervals	Maximum or limited entry ports	Multiple entry ports
	Full bore ID	No special cementing equipment required

Technical Specifications:							
	Casing size	OD	ID	Length	Temp rating	Pressure rating	
	Inches	Inches	Inches	Inches	°F	Burst	Collapse
4.5 Toe Sleeve	4.5	5.75	3.875	39.00	350	13,600	11,000
4.5 HP Toe Sleeve	4.5	5.75	3.750	39.00	350	16,800	11,000
4.5 Slim Hole Toe Sleeve	4.5	5.50	3.650	43.00	350	13,500	10,600
5.0 Toe Sleeve	5.0	6.875	4.250	53.00	350	15,500	12,500
5.5 Toe Sleeve	5.5	7.25	4.670	43.00	350	16,300	11,000
5.5 HP Toe Sleeve	5.5	7.625	4.500	52.00	350	20,000	12,500

