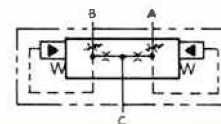




HYDRAULIC VALVES

(FLOW CONTROL)

FLOW DIVIDER FD SERIES Specification Sheet



The CROSS series FD proportional flow divider is a biased pressure compensated flow regulator, specifically designed for use as a hydrostatic transmission anti-spin out valve. Various orifice sizes are available to provide required limited slip differential action. One or more units may be used per vehicle, dependent upon anti-spin out requirements in forward and reverse.

GENERAL SPECIFICATIONS

Maximum working pressure.....	5000 psi (345 bar)
Maximum shock and surge pressure.....	6000 psi (414 bar)
Maximum flow capacity*	up to 60 gpm (227 l/m)
Shipping weight	7 lbs. (3.2 Kg)
Mounting	2-bolt, any position
* Dependent on orifice size	

MATERIAL SPECIFICATIONS

Body	High tensile strength cast iron
Spool.....	Ground and polished steel
Seals	Buna N

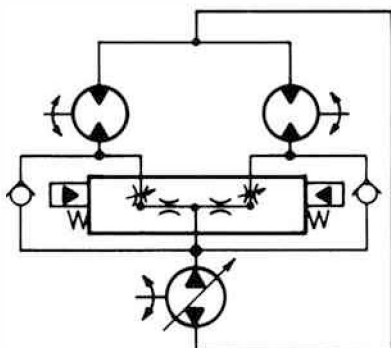
STANDARD FEATURES

- 1¹/₁₆ - 12 (3³/₄" , SAE #12) o-ring ports

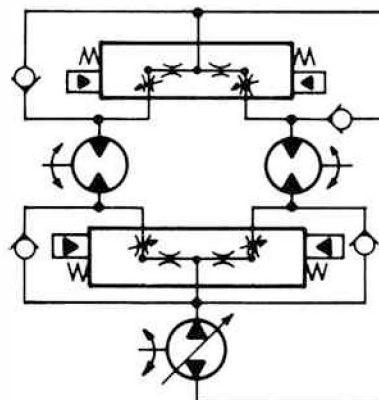
OPTIONAL FEATURES AVAILABLE

- 7⁷/₈-14 (5⁵/₈" , SAE #10) ports

TYPICAL APPLICATIONS



Uni-directional anti-slip
(one direction only)



Bi-directional anti-slip
(forward and reverse)

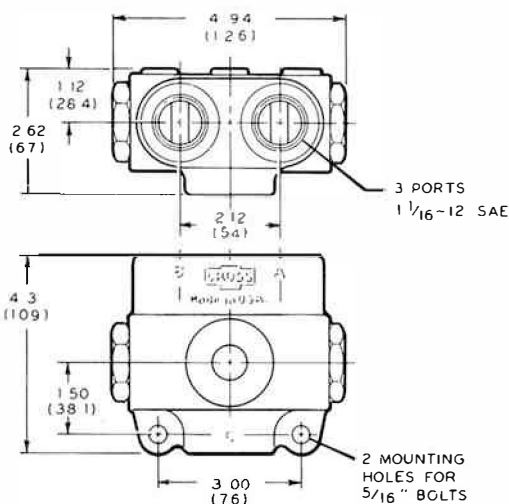


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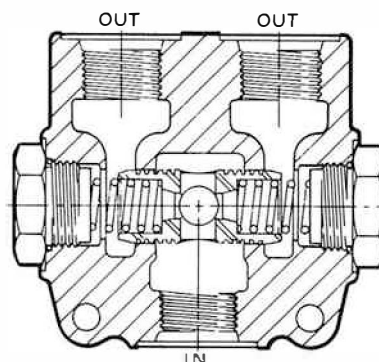
<https://oilsolutions.com.au/>

sales@oilsolutions.com.au

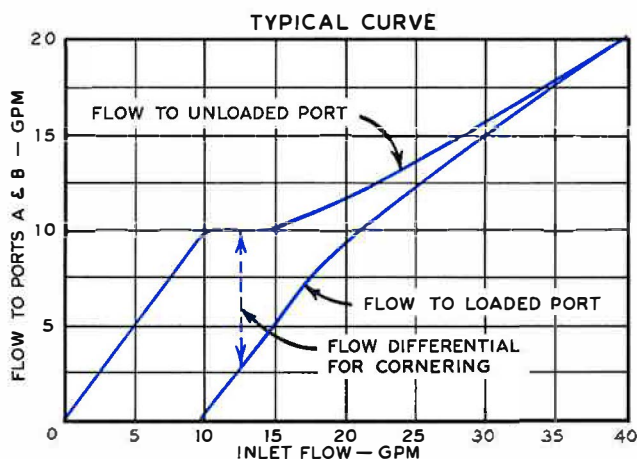
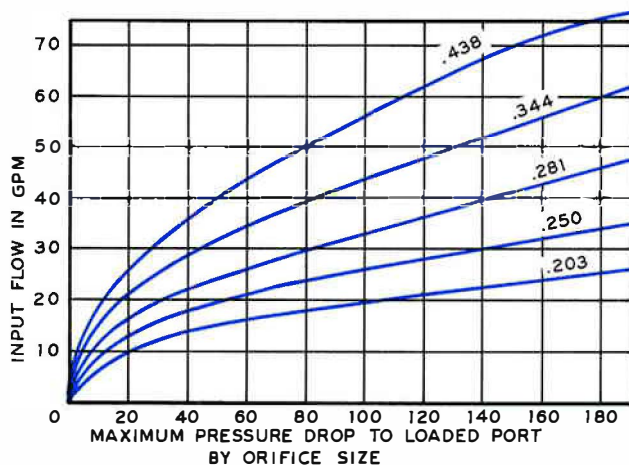
DIMENSIONAL DATA in inches and (millimeters)



INTERNAL CONFIGURATION



TYPICAL PERFORMANCE DATA



ORDERING DATA

The proper orifice size must be calculated for each application. The following information should be supplied to the CROSS Mfg. Co. Engineering Department.

- Maximum system flow _____ gpm.
- Maximum system flow while cornering _____ gpm.
- Inside turning radius _____ feet.
- Outside turning radius _____ feet.
- Pressure: Typical _____ psi; Maximum _____ psi.
- Enclose hydraulic circuit.

NOTE: A factory stock number will be assigned when proper orifice sizes are determined.



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