

INTERFACE SIZE CROSS REFERENCE

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HYSTAR	CETOP	ISO	NFPA-NEW	NFPA-OLD	NG
DSG-01	3	03	D03	D01	6
DSG-03	5	05	D05	D02	10
DSHG-04	7	07	D07	D04	16
DSHG-06	8	08	D08	D06	25
DSHG-10	10	10	D10	D10	32

CETOP : A European trade association representing various country organizations similar to the NFPA in the USA.,BFPA in England,VDMA in Germany,.....

(Comite' Europe'en des Transmissions Ole'ohydrauliques et Pneumatiques)

ISO : The International Standards Organization establishes the ISO interface standards. (International Organization for Standardization)

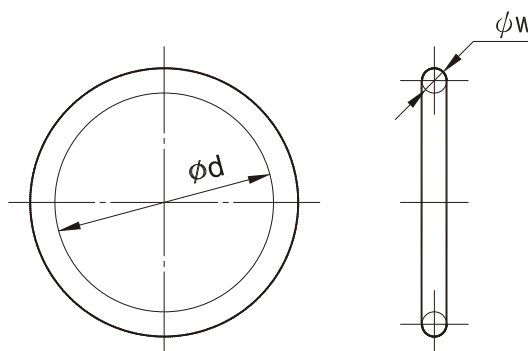
NFPA : National Fluid Power Association of the U.S.A.

NG : A code related to port diameter expressed in millimeters.It's part of German " DIN " standard (similar to ANSI-American National Standards Institute) and covers port size only.It does not relate to the configuration of the rest of the interface.

N.G translates to the configuration of the rest of the interface.

N.G translates to nominal size.

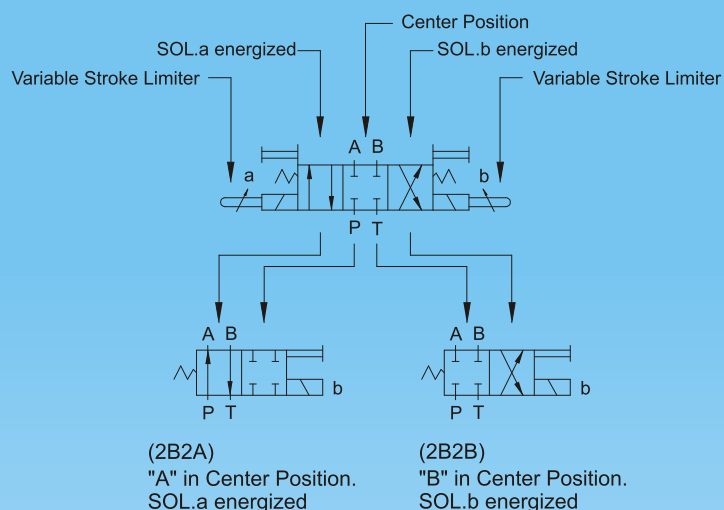
O-RING DATA SHEET



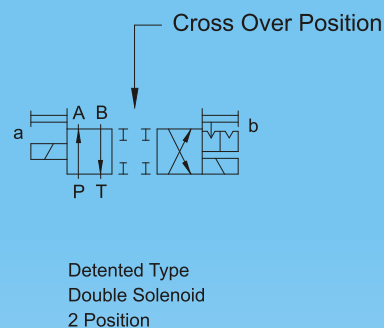
CODE	d(mm)	w(mm)	Hardness	DSG-01	DSG-03	DSHG-04	DSHG-06	DSHG-10
P3	2.8	1.9	HS-70	4	4			
P4	3.8	1.9	HS-70	15	15			
P9	8.8	1.9	HS-85	12		3/18/2-7	3/2-7	
P12	11.8	2.4	HS-85		12			
P14	13.8	2.4	HS-80				18	3/2-7
P18	17.8	2.4	HS-70	7				
P20	19.8	2.4	HS-80					18
P21	20.8	2.4	HS-70		7			
P22A	21.7	3.5	HS-80			16		
P32	31.7	3.5	HS-80			4	16	
P40	39.7	3.5	HS-80				4	
P42	41.7	3.5	HS-80					16
G30	29.4	3.1	HS-80			2-4	2-4	
G35	34.4	3.1	HS-80					2-4
G65	64.4	3.1	HS-80					4



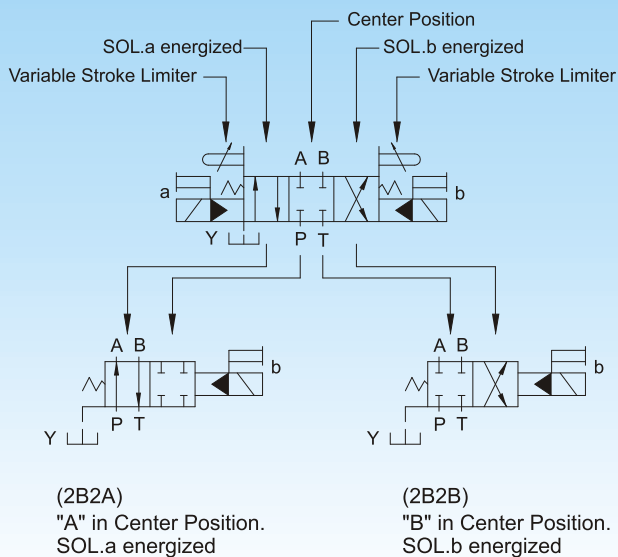
(DSG-3C2-01/03-RW)



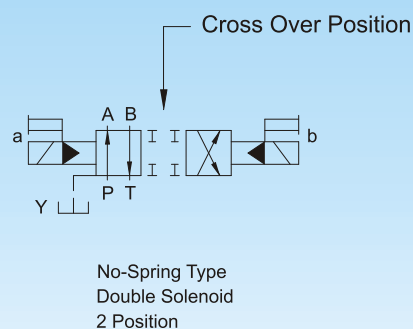
(DSG-2D2-01/03)



(DSHG-3C2-04/06/10-RW)



(DSHG-2N2-04/06/10)



a.	SOL.a energized side
b.	SOL.b energized side
A.	Cylinder Port "A"
B.	Cylinder Port "B"
P.	Pressure Port "P"
T.	Tank Port "T"
≡	Manual Override
⌈	Closed Line
⌋	Open Line
∧	Spring
↑	Connection Lines

⌈	Detented
a	Single Acting Solenoid
⌈	P → A,B T → Connections
⌋	A → T,P B → Connections
◀	Oil Pressure
≠	Variable Stroke Limiter
•	Connecting Point Of Lines And Passages
Y	Drain Line
⌈	Cross Over Position-All Ports Closed
⌋	Cross Over Position-All Ports Open