Model designation

Model designation **KS B 080 S N 150**

1. Limit switch
2. Cylinder inner diameter
3. Rod tip section
4. Packing seal
5. Stroke

Specifications		
Maximum allowable working pressure	16 MPa	
Proof pressure	24 MPa	
Operating temperature range	Standard	0～70℃
	Thermal resistant specification	5～120℃ *1
Cushion	None	
Fluid used	General mineral based hydraulic oil (ISO-VG32 equivalent) Water glycol system working oil *2	

*1: The heatproof temperature is limited according to the specification of limit switch.

*2: Set the temperature range as 0-70℃ when using water glycol hydraulic oil.

Do not conduct single unit operation.
Operation check must be performed with cylinder bolted.

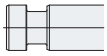
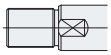
1 Limit switch

Symbol	L	B
Limit switch	Without limit switch	B-type switch

2 Cylinder inner diameter

Symbol	040	050	063	080
Cylinder inner diameter (mm)	ø40	ø50	ø63	ø80

3 Rod tip section

Symbol	S	M
Rod tip section	Stepped (Standard) 	Male thread 

4 Packing seal

Symbol	N	V
Packing Material	NBR (Standard) Operating temperature：0~70℃	Fluorocarbon (Thermal resistant specification) Operating temperature：5~120℃

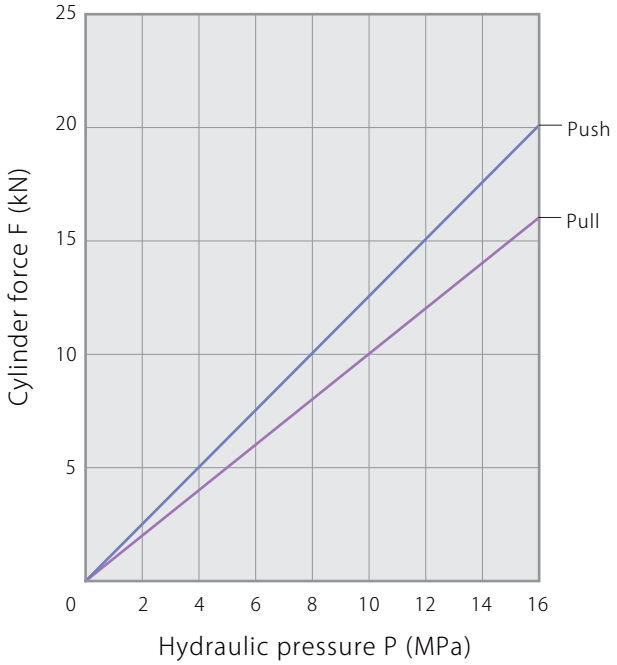
5 Stroke (The allowable stroke varies according to the inner diameter of cylinder. Refer to each page of cylinder for details.)

Symbol	010	015	020	025	050	065	080	100	125	150	200
Stroke (mm)	10	15	20	25	50	65	80	100	125	150	200

Performance diagram

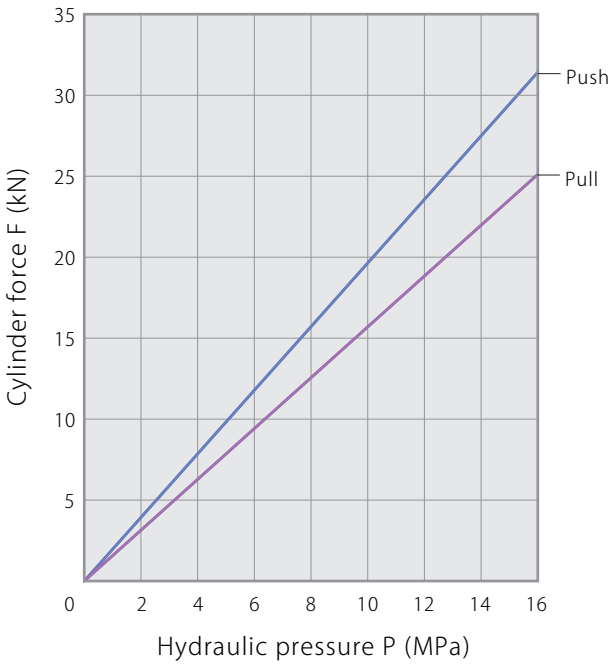
KS□040

F (Push)=1.257 x P
F (Pull)=1.002 x P



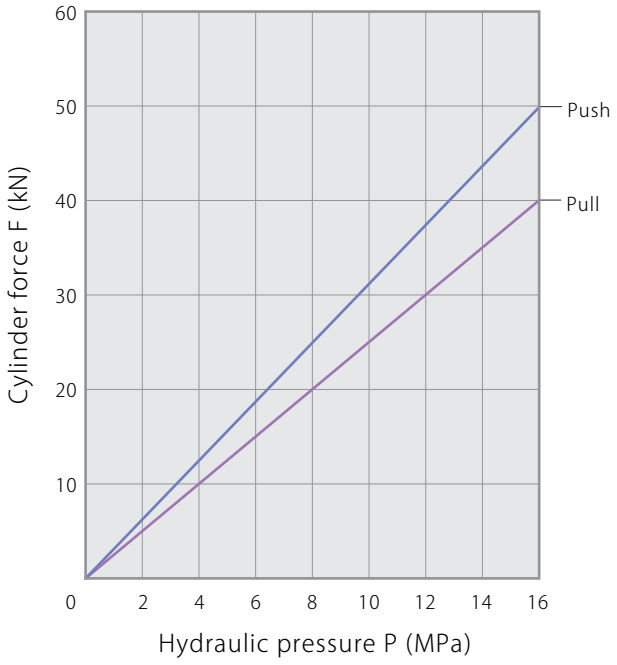
KS□050

F (Push)=1.963 x P
F (Pull)=1.569 x P



KS□063

F (Push)=3.117 x P
F (Pull)=2.501 x P



KS□080

F (Push)=5.027 x P
F (Pull)=4.037 x P