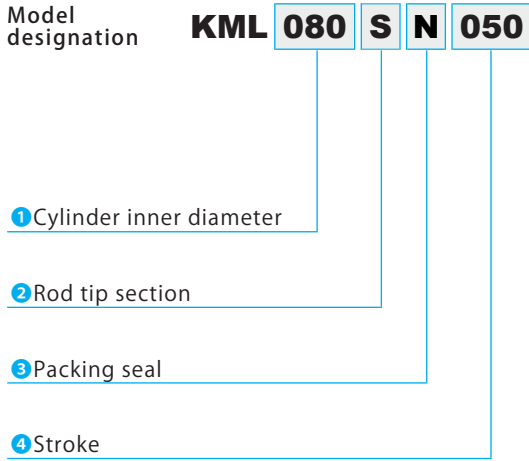


Model designation



Specifications	
Maximum allowable working pressure	14 MPa
Proof pressure	21 MPa
Operating temperature range	Standard 0~70°C
	Thermal resistant specification 5~120°C
Cushion	None
Fluid used	General mineral based hydraulic oil (ISO-VG32 equivalent) Water glycol system working oil *

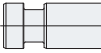
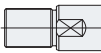
*: Set the temperature range as 0-70°C when using water glycol hydraulic oil.

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

① Cylinder inner diameter

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

② Rod tip section

Symbol	S	F	M
Rod tip section	Stepped (standard) 	Female thread 	Male thread 

③ Packing seal

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

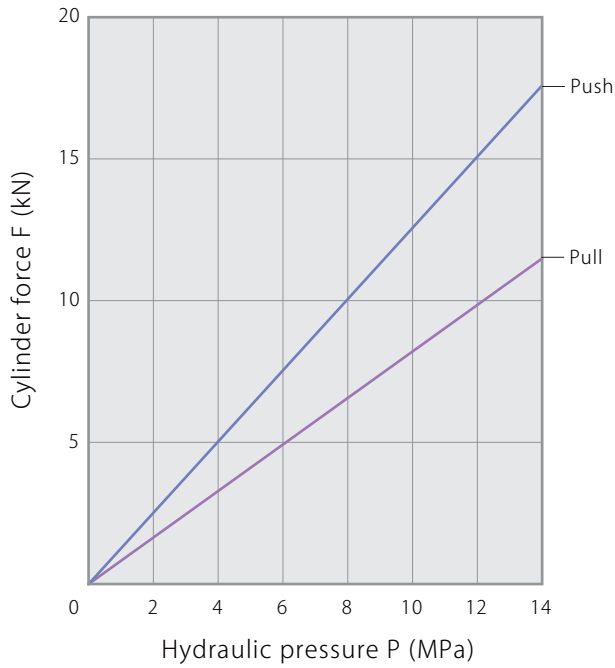
④ Stroke

Symbol	010	015	020	025	050
Stroke (mm)	10	15	20	25	50

Performance diagram

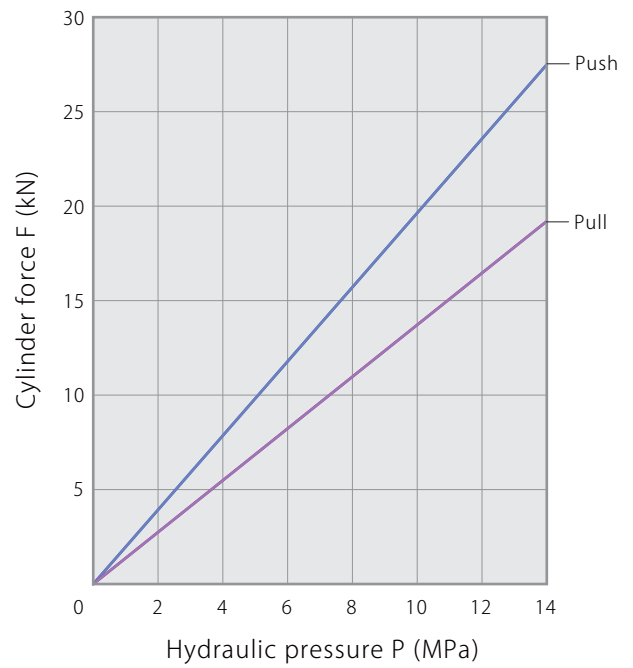
KML040

$$F (\text{Push}) = 1.257 \times P$$
$$F (\text{Pull}) = 0.863 \times P$$



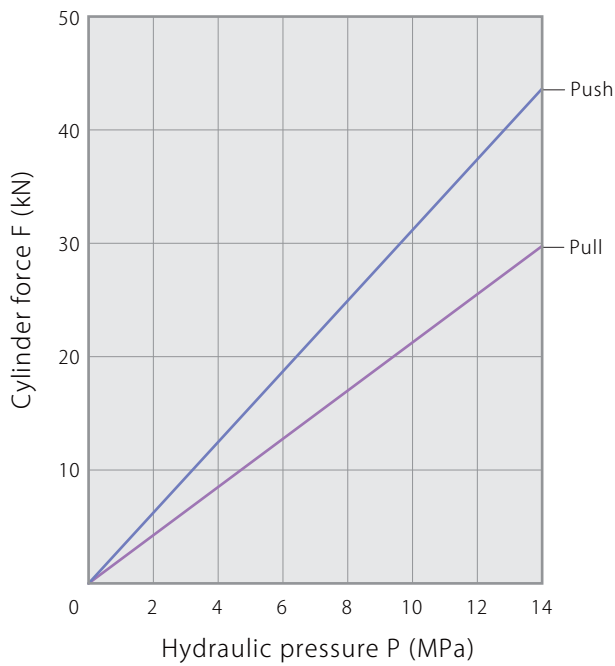
KML050

$$F (\text{Push}) = 1.963 \times P$$
$$F (\text{Pull}) = 1.348 \times P$$



KML063

$$F (\text{Push}) = 3.117 \times P$$
$$F (\text{Pull}) = 2.127 \times P$$



KML080

$$F (\text{Push}) = 5.027 \times P$$
$$F (\text{Pull}) = 3.436 \times P$$

