A 0.100

General Characteristics of Hydraulic Equipment

Listing of characteristics:	In accordance with VDI 3267 3284				
Terms and symbols:	In accordar	In accordance with DIN ISO 1219			
Units:	SI units (Sy	SI units (Système International) as per international standard ISO 1000			
Dimensions without tolerances:	General tolerance data as per DIN ISO 2768-mH exept cast parts, dimensional variation GTB 16 as per DIN 1686 forged pieces, forge quality F as per DIN 7526				
Mounting position:	Any, if not otherwise stated				
Environmental temperature:	$t u min. = -10^{\circ}C$ $t u max. = +50^{\circ}C$				
Temperature of fluid:	$t \text{ m min.} = +10^{\circ}\text{C}$ $t \text{ m max.} = +60^{\circ}\text{C}$				
Fluid:	Hydraulic c	Hydraulic oil as per DIN 51524			
Oil recommendation:	Oil tempera [°C] 10 – 40 15 – 50 20 – 60 Consult fac		Designation as per DIN 51524 HLP 22 HLP 32 HLP 46 er operating conditions.	Application Power units with poppet valves Mechanic pumps Power units with spool valves	
Connection thread:		British standard pipe thread (Whitworth form) as per DIN 3852 sheet 2 (for cylindrical screwed plugs)			
Fittings:		As per DIN 2353; screwed plugs type B as per DIN 3852 sheet 2 (sealing by knife edge). Do not use additional sealing materials, e.g. teflon ribbon.			
Hydraulic cylinder, Hydraulic block cylinder:	Data sheet	B 1.2811,	B 1.282, B 1.590		
Dimensions:	Cylinders without stroke end cushioning: Flange mounting dimensions as per CETOP-recommendation R 58 H Cylinders with stroke end cushioning: As per CETOP-recommendation R 58 H with the exception of the smaller overall length.				
Admissible piston velocity:	V max. = 0.50 m/s				
Stroke:	As per DIN 323 R 10, standardized stroke lengths.				
Leakage rate:	Up to piston rod diameter of 32 mm ≤ 0.35 cm³ for 1000 cycles and 100 mm stroke (HLP 46). Piston rod diameter of 40 mm and larger ≤ 0.7 cm³ for 1000 cycles and 100 stroke (HLP 46).				
Workholding cylinder:	Data sheet	Data sheets B 1.310 through B 1.7441			
Admissible piston velocity:	V min. = 0.01 m/s V max. = 0.25 m/s				
Stroke:	Relatively s	Relatively short stroke, to suit requirements for workholding applications			
Cylinder side loading:	The admissible lateral piston force depends on the operating conditions. 3% of the nominal cylinder force must not be exceeded under any circumstances (up to 50 mm stroke). Please contact us for use of single-acting elements				
Leakage rate:	Dynamic:	≤ 0.3 cm ³ Seal diam	diameter of 32 mm for 1000 cycles and 10 mm eter of 40 mm and larger for 1000 cycles and 10 mm	, ,	

General characteristics - see corresponding data sheet

and power units