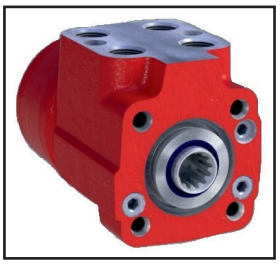
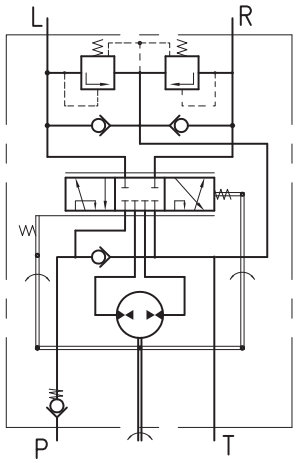
HYDROSTATIC STEERING UNITS TYPE HKUS.../7



M + S Hydraulic complete its range of hydrostatic steering units .
These products are with built-in shock valves, while fully covering the parameters of the current HKU../7.
The application is for integration into systems with built-in hydroaccumulator, achieving minimal energy losses.



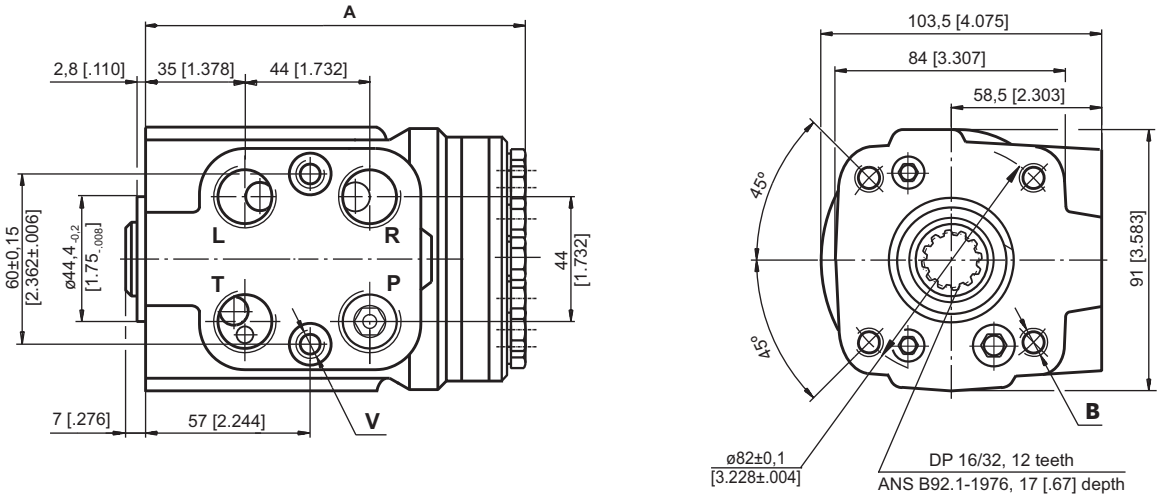
"Close Center - Non Load Reaction"
HKUS.../7 ser.3

SPECIFICATION DATA

Parameters		Type										
		HKUS 40/7	HKUS 50/7	HKUS 63/7	HKUS 80/7	HKUS 100/7	HKUS 125/7	HKUS 160/7	HKUS 200/7	HKUS 250/7	HKUS 320/7	HKUS 400/7
Displacement	cm^3/rev	39,6	49,5	65,6	79,2	99,0	123,8	158,4	198	247,5	316,8	396
	$[in^3/rev]$	[2.42]	[3.0]	[4.0]	[4.83]	[6.04]	[7.56]	[9.67]	[12.1]	[15.1]	[19.3]	[24.2]
Rated Flow*	lpm	4	5	6	8	10	13	16	20	25	32	40
	[GPM]	[1.1]	[1.3]	[1.6]	[2.1]	[2.6]	[3.4]	[4.2]	[5.3]	[6.6]	[8.4]	[10.6]
Rated Pressure	bar	125	140	170								
	[PSI]	[1813]	[2030]	[2465]								
Shock Valve Pressure**	bar	220										
	[PSI]	[3190]										
Max. Cont. Pressure in Line T	bar [PSI]											
- standard		25 [363]										
- high pressure (H option)		40 [580]										
Max. Torque at Servoamplifying	Nm [lb-in]											
- with standard springs		3,0 [26]								3,0 [26]		
- with soft springs (LT option)		1,8 [16]								-		
Max. Torque w/o Servoamplifying	Nm [lb-in]	120 [1065]										
Weight	kg	5,3	5,4	5,5	5,6	5,7	5,8	6,0	6,3	6,5	7,0	7,4
	[lb]	[11.7]	[11.9]	[12.2]	[12.4]	[12.6]	[12.8]	[13.2]	[13.9]	[14.3]	[15.4]	[16.3]
Dimension A	mm	130,8	132,2	134,2	136,2	138,8	142,2	146,8	152,2	158,8	168,2	178,8
	[in]	[5.15]	[5.20]	[5.27]	[5.36]	[5.47]	[5.60]	[5.78]	[5.99]	[6.25]	[6.62]	[7.04]

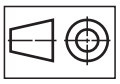
* Rated Flow at 100 RPM.
** Pressure Settings are at flow rate of 2 lpm [.53GPM] and viscosity 21 mm^2/s [105 SUS] at 50°C [122°F].

DIMENSIONS AND MOUNTING DATA - HKUS.../7



THREADED PORTS

code	Ports - *P, T, R, L Thread	Column Mounting Thread - B	Valve Mounting Thread- V
-	G1/2 15 mm [.59 in] depth	4 x M10 18 mm [.71 in] depth	2 x M10x1 16 mm [.63 in] depth
M	M22x1,5 15 mm [.59 in] depth	4 x M10 18 mm [.71 in] depth	2 x M10x1 16 mm [.63 in] depth
MBO	M18x1,5 O-ring 15 mm [.59 in] depth	4 x M10 18 mm [.71 in] depth	2 x M10x1 16 mm [.63 in] depth
A	3/4 - 16 UNF O-ring 15 mm [.59 in] depth	4 x 3/8 - 16 UNC 15,7 mm [.62 in] depth	2 x 3/8 - 24 UNC 14,2 mm [.56 in] depth



mm [in]

ORDER CODE

1	2		3	4	5	6	7		8
HKUS		/		-					/	3

Pos.1 - Displacement code (see Specification Data)

40	- 39,6 cm³/rev [2.42 in³/rev]
50	- 49,5 cm³/rev [3.00 in³/rev]
63	- 65,6 cm³/rev [4.00 in³/rev]
80	- 79,2 cm³/rev [4.83 in³/rev]
100	- 99,0 cm³/rev [6.04 in³/rev]
125	- 123,8 cm³/rev [7.56 in³/rev]
160	- 158,4 cm³/rev [9.67 in³/rev]
200	- 198,0 cm³/rev [12.10 in³/rev]
250	- 247,5 cm³/rev [15.10 in³/rev]
320	- 316,8 cm³/rev [19.30 in³/rev]
400	- 396,0 cm³/rev [24.20 in³/rev]

Pos.2 - Versions

7	- Version 7 *"Closed Center - Non Load Reaction"*

Pos.3 - Ports

omit	- BSPP (ISO 228)
A	- SAE (ANSI B 1.1 - 1982)
M	- Metric (ISO 262)
MBO	- Metric (ISO 6149-1)

If a painting option is required, the standard color is black Alkyd-styrenated enamel, Black RAL 9005.

Pos.4 - Max. Cont. Pressure in line T

omit	- Standard
H	- High pressure

Pos.5 - Input torque

omit	- Standard
LT*	- Low

Pos.6 - Noise level

omit	- Standard
LN*	- Low

Pos.7 - Option (Paint)***

omit	- No Paint
P	- Painted
PC	- Corrosion Protected Paint
PS	- Special Paint****
PCS	- Special Corrosion Protected Paint****

Pos.8 - Design Series

omit	- Factory specified

Notes: * Available only for displacement from 40 to 200.
** Colour at customer's request.
*** Non painted feeding surfaces.

The steering units are mangano-phosphatized as standard.