101(S)-5(T)(TE)(L)(E)(TX)系列全液压转向器用于负荷传感型转向系统。

101S-5、101S-5L、101S-5E系列全液压转向器均为板式连接方式，与PVF*型优先阀采用板式连接后使用。

101S-5L系列全液压转向器在LL接口处引出了LS口的压力信号，将信号传送给电气控制系统；

101S-5E系列全液压转向器在EL接口处引出了A或B油口的压力信号，将信号传送给电气控制系统。

101S-5T、101S-5TE系列全液压转向器为管式连接方式，与PVL*或DYXL、YXL型优先阀采用管式连接后使用。

101S-5TE系列全液压转向器在EL接口处引出了A或B油口的压力信号，将信号传送给电气控制系统。

101-5T系列全液压转向器为管式连接方式，必须和DYXL、YXL型优先阀采用管式连接后使用，并且其系统安全阀设在优先阀上。

101-5TX系列全液压转向器处于中位时,其左右腔和回油是相连的,这种转向器和LFA、LFB型流量放大阀配套使用。

SCU 101(S)-5(T)(TE)(L)(E)(TX) series is used in the load sensing steering system.

SCU 101S-5,101S-5L,101S-5E series adopt modulary mounting type and can only be used with PVF* type priority valve via modulary mounting.

SCU 101S-5L series guides the pressure signal of port LS out of prot LL, and transfers the pressure signal to the electrical control system.

SCU 101S-5E series guides the pressure signal of port A or B out of port EL. and then supplies the pressure signal to the electrical control system.

SCU 101S-5T,101S-5TE series adopts Pipe mounting and via pipe mounting can be used with PVL* or DYXL,YXL type priority valve.

SCU 101S-5TE series guides the pressure signal of the port A or B out of port EL.and then supplies the pressure signal to the electrical control system.

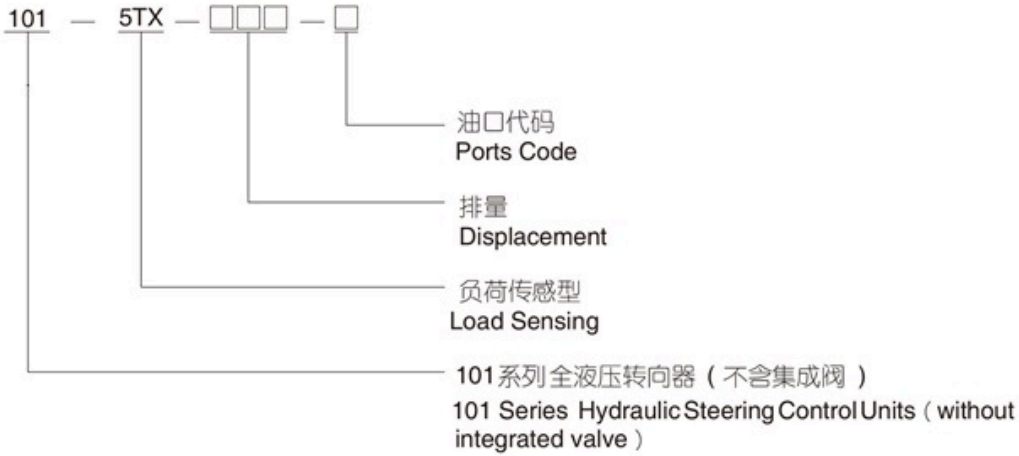
SCU 101-5T series adopts the pipe mounting, it can be used only after the pipe mounted with the DYXL,YXL type priority valve. and the relief valve is integrated in the priority valve.

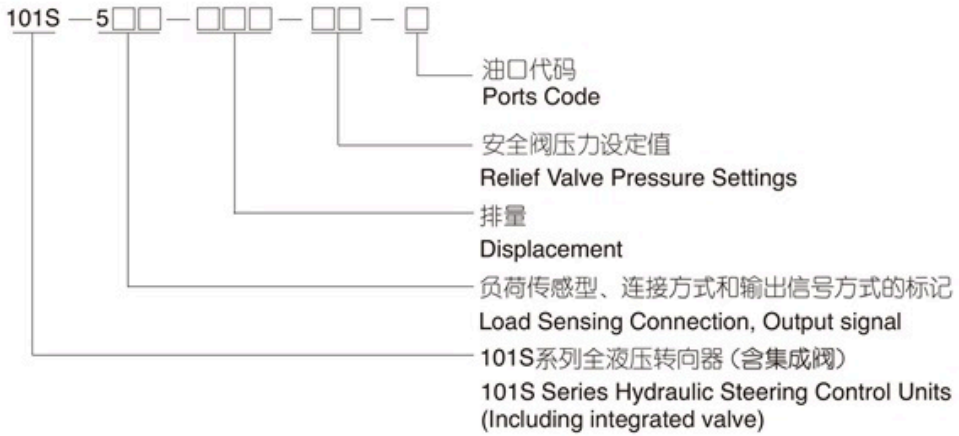
When the 101-5TX series SCU is in neutral position, both of its left and right cavity are connected with T port. This kind of SCU are used with LFA,LFB type flow amplifiers.

型号说明 Order Code

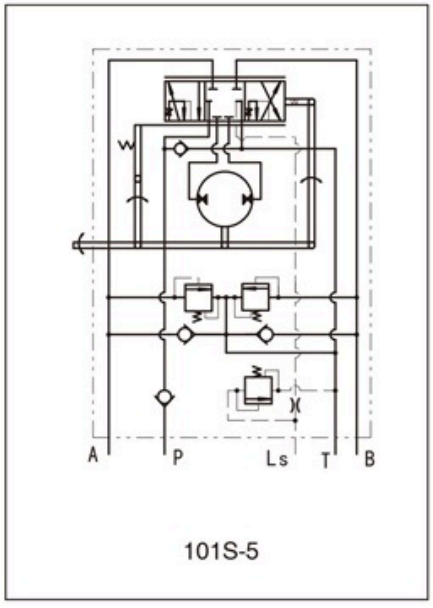


型号说明 Order Code

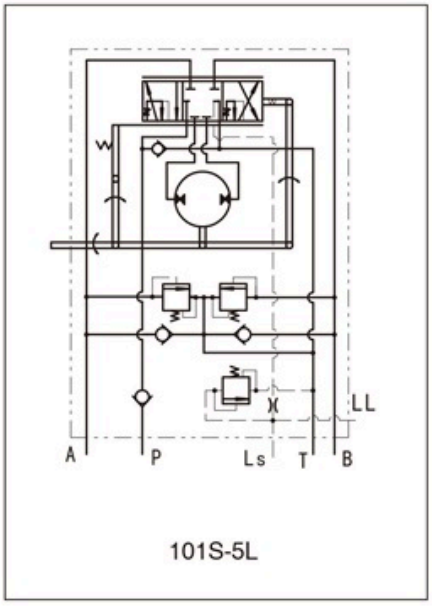




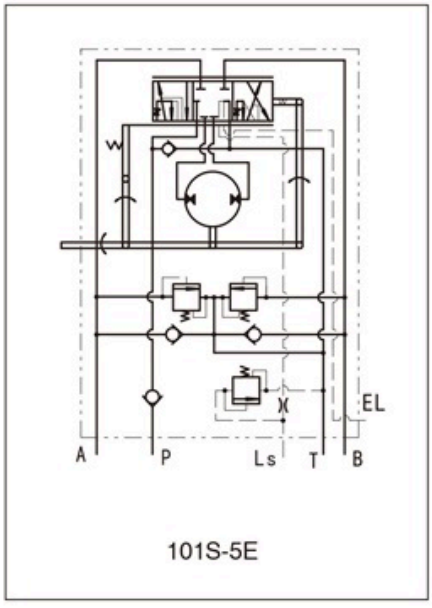
功能符号 Function Code



101S-5

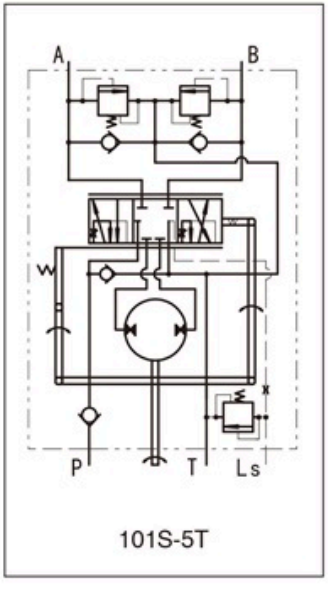


101S-5L

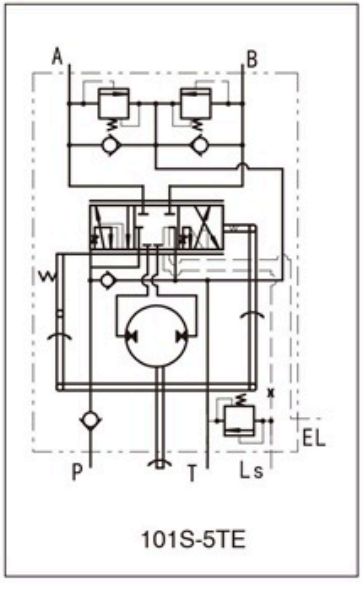


101S-5E

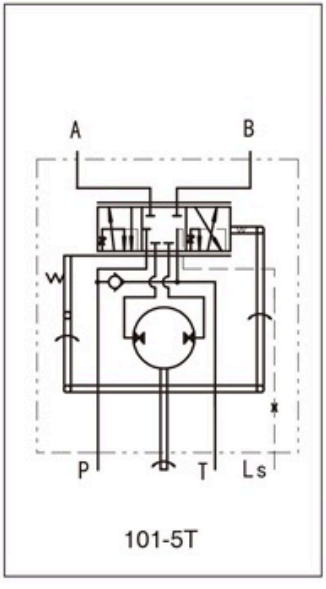
板式连接
Modulary Mounting



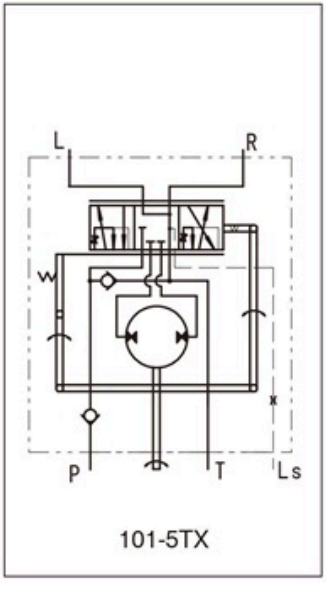
101S-5T



101S-5TE



101-5T



101-5TX

管式连接
Pipe Mounting

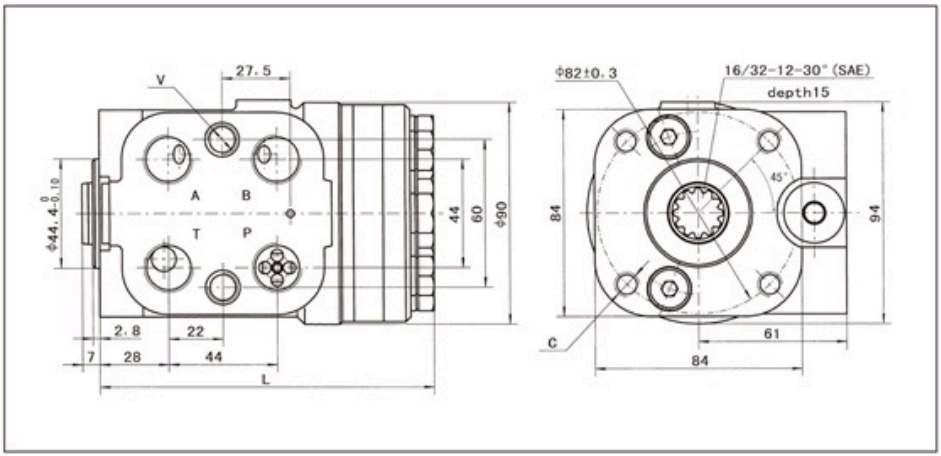
主要技术参数 Main Specification

Parameters	Type 101-5T(TX)-***-*, 101S-5(T)(TE)(L)(E)-***-**-*										
Displacement(mL/r)	50	63	80	100	125	160	200	250	280	315	400
Max. input speed (rpm)	100								75		
Max. input pressure (MPa)	17.5										
Relief Valve Pressure Settings (MPa)	06,07,08,10,12,14,15,16,17.5										
Shock Valves Pressure Settings (MPa)	12,13,14,16,18,20,21,22,23.5										
Max. Cont. Back pressure (MPa)	2.5										
Weight (kg)	5.75	5.81	5.89	5.93	6.1	6.3	6.5	6.73	6.91	7.1	7.5
Dimension L (mm)	130	132	133	136	139	144	149	155	160	165	175

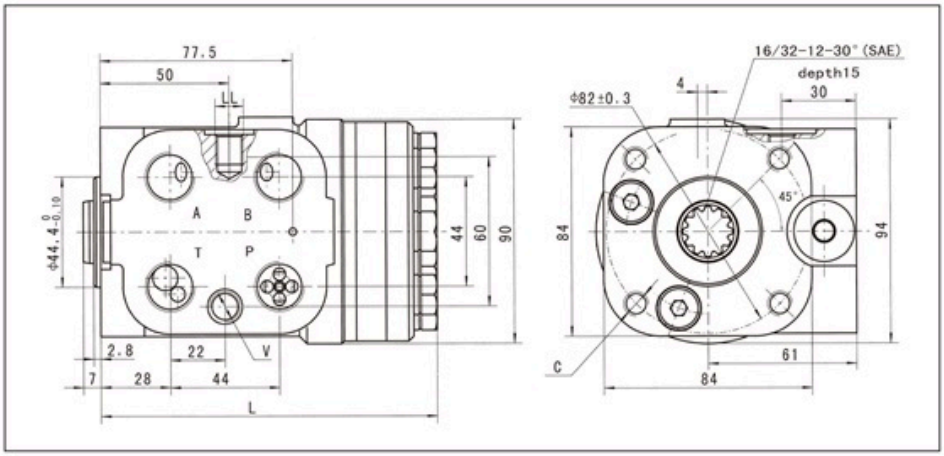
Note: L is the maximum length dimension of product. This dimension on some products may 2mm or 4mm shorter.

连接尺寸 Mounting Data

101S-5

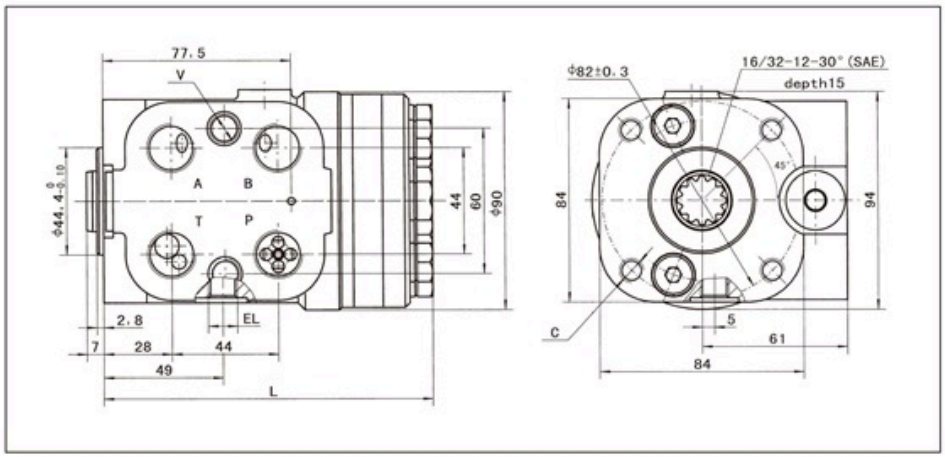


101S-5L

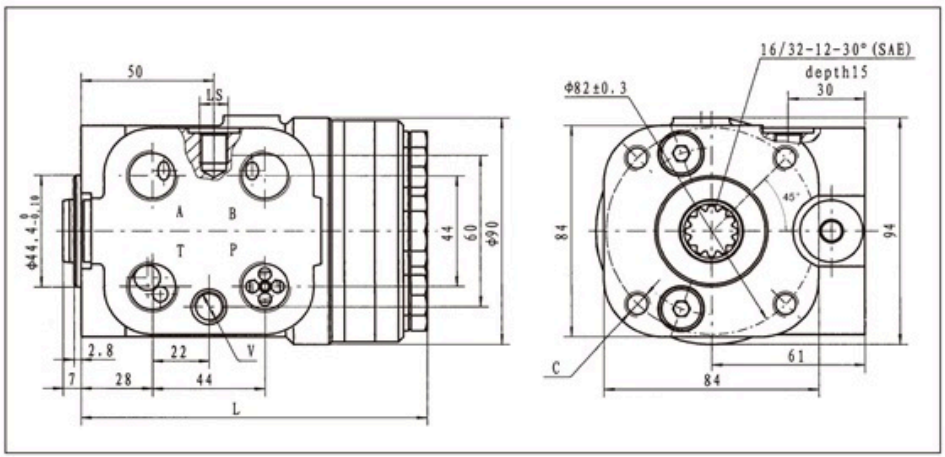


连接尺寸 Mounting Data

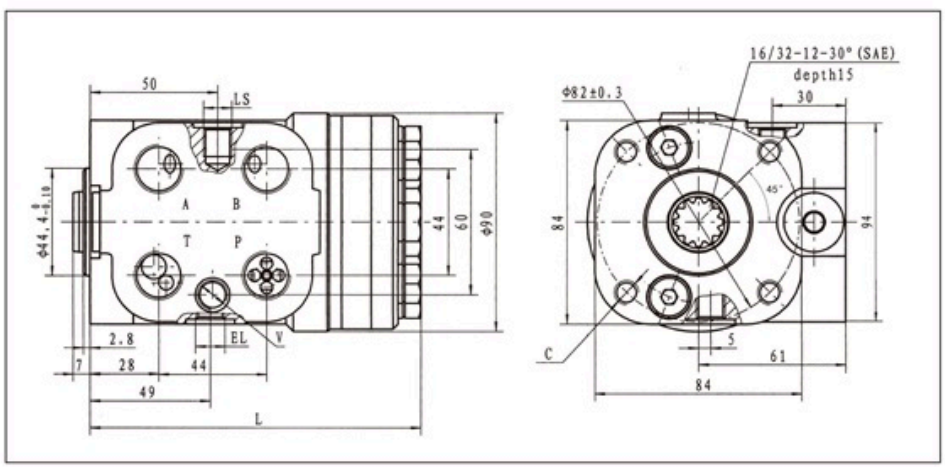
101S-5E



101S-5T

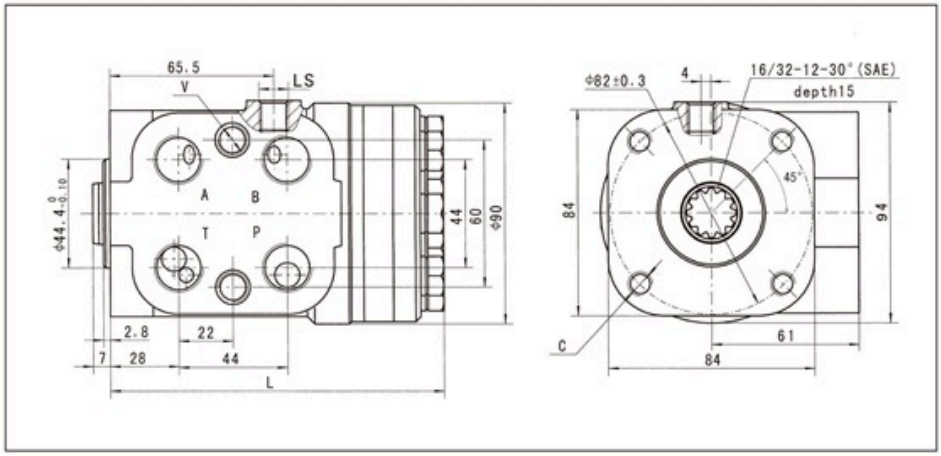


101S-5TE



连接尺寸 Mounting Data

101-5T
101-5TX



油口螺纹 Ports Threads

代码 Code	P、T、A、B油口 Ports P,T,A,B	连接螺纹C Column Mounting C	连接螺纹V Column Mounting V	LS油口 Post LS	LL、EL油口 Ports LL,EL
A	M20×1.5	M10	M12	M12×1.5	
B	M20×1.5 O-ring			M12×1.5 O-ring	
C	M18×1.5			M12×1.5	
D	M18×1.5 O-ring			M12×1.5 O-ring	
E	G1/2		M10×1	G1/4	M10×1
U	G1/2 O-ring			G1/4 O-ring	M10×1 O-ring
M	3/4-16UNF O-ring		M12	7/16-20UNF O-ring	
F		3/8-16 UNC	3/8-24 UNF		
I		M10	M10		
N		M10×1.25			
H	φ18.5	M10	M10	M12×1.5	

注1：油口P、T、A、B的深度15 mm，连接螺纹C、V的深度16 mm，LS、LL、EL的深度12 mm。
Note 1: Ports P,T,A,B Depth : 15 mm; Column Mounting C & V Depth: 16 mm，LS,LL,EL Depth: 12 mm.
注2：其他油口连接方式协议确定代号。
Note 2: The code of other ports dimensions will be listed in an agreement.

101-5T 产品订货编号 Order Code

		Pos.1	Pos.2		Pos.3		Pos.4
101	–	5	T	–	***	–	*

Pos.1 – 功能符号 Function Code

5:负荷传感型 5:Load Sensing Type

Pos.2 – 优先阀连接形式 Priority Valve Connection

T:管式连接 T:Pipe Mounting

Pos.3 – 排量 Displacement mL/r

50、63、80、100、125、160、200、250、280、315、400

Pos.4 – 油口代码 Port Code

A、B、C、D、E、U、M、F、I、N

101-5TX 产品订货编号 Order Code

		Pos.1	Pos.2	Pos.3		Pos.4		Pos.5
101	–	5	T	X	–	***	–	*

Pos.1 – 功能符号 Function Code

5:负荷传感型 5:Load Sensing Type

Pos.2 – 优先阀连接形式 Priority Valve Connection

T:管式连接 T:Pipe Mounting

Pos.3 – 转向器中位机能 Neutral Function of SCU

X: 当转向器中位时，转向器左右油口和T油口相连的。

X: When the 101-5TX series SCU is in neutral position, both of its left and right cavity are connected with T port.

Pos.4 – 排量 Displacement mL/r

50、63、80、100、125、160、200、250、280、315、400

Pos.5 – 油口代码 Port Code

A、B、C、D、E、U、M、F、I、N

101S-5 产品订货编号 Order Code

		Pos.1	Pos.2	Pos.3		Pos.4		Pos.5		Pos.6
101S	–	5			–	***	–	**	–	*

Pos.1 – 功能符号 Function Code

5:负荷传感型 5:Load Sensing Type

Pos.2 – 优先阀连接形式 Priority Valve Connection

其中：缺省：板式连接 Omit: Modulary Mounting
T: 管式连接 T:Pipe Mounting

Pos.3 – 电液控制信号连接形式 Electrohydraulic Control Signal Connection

其中：缺省：没有电液信号:Omit: No electrohydraulic signal.
L: LL口引出的是LS口压力信号 L:The pressure signal at LS connection drawn forth from the LL connection.
E: EL口引出的A或B油口的压力信号 E:The pressure signal at the port A or B drawn forth from the EL connection.

Pos.4 – 排量 Displacement mL/r

50、63、80、100、125、160、200、250、280、315、400

Pos.5 – 集成阀参数组合 Integrated Valve Parameters

安全阀压力设定值：Relief valve pressure settings (MPa):06、07、08、10、12、14、15、16、17.5
（缓冲阀压力设定值比安全阀压力高6 MPa）
Shock valves pressure settings is 6 MPa higher than relief valve

Pos.6 – 油口代码 Ports Code

A、B、C、D、E、U、M、F、I、N、H

应用举例：

101S系列转向器，负荷传感型，配管式连接的优先阀，电液控制信号从A或B油口引出，排量125mL/r，入口有单向阀，安全阀压力10MPa，缓冲阀压力16MPa，四油口螺纹为G1/2，转向柱法兰连接螺纹M10，LS信号口G1/4，EL信号口M10×1。

转向器订货编号为：101S-5TE-125-10-E

For example:

Order code

101S-5TE - 125 - 10 - E

- E — Ports: P, T,A,B G1/2; Column Mounting Thread C M10; Port: LS G1/4; Port: EL M10x1
- 10 — Relief Valve Pressure Settings :10MPa; Shock Valves Pressure Settings :16MPa
- 125 — Displacement: 125 mL/r
- 5TE — Pipe Mounting,with an Electrohydraulic Signal