天康集团

热安装套管

Thermal Installation Sleeve

产品应用

Product Application

与两节式热电偶（阻）和双金属温度计配套使用，保护热电偶（阻）和双金属温度计正常工作。且可用于高压高流速场合。

With two-section thermocouple (resistance) and bimetal thermometer supporting the use of protection thermocouple (resistance) and bimetal thermometer normal work. And can be used for high pressure and high flow rate occasions.

产品参数

Product Parameters

一般是指在常温下，保护管所能承受的静态外压而不破裂。允许工作压力不仅与保护管材料、直径、壁厚有关，且与其结构形式、安装方法及被测介质的流速、种类有关。

Generally refers to at room temperature, the protection tube can withstand the static external pressure without rupture. Allowable working pressure is not only related to the protective tube material, diameter, wall thickness, and its structural form, installation methods and the measured medium flow rate, type of related.

产品特点

Product Parameters

- 参照 IEC国际标准设计；
- 盲孔加工；
- 与设备同期制造和安装；
- 不同压力等级，可满足不同需要；

水压试验：对保护管的耐压和泄漏检查有要求时，须对保护管进行试验。试验压力为保护管耐压等级的1.5倍。

X射线探伤试验：对保护管的壁厚、偏心距等项目检查有要求时，须按用户要求进行检查。

- Designed with reference to IEC international standards;
- Blind hole machining;
- Manufactured and installed at the same time as the equipment;
- Different pressure levels to meet different needs;

Hydrostatic test:When the pressure resistance and leakage check of the protection pipe are required, the protection pipe shall be tested. The test pressure is 1.5 times of the pressure resistance level of the protection pipe.

X-ray flaw detection test: when there are requirements for wall thickness, eccentricity and other items of the protection pipe, the test shall be carried out according to the requirements of the user.

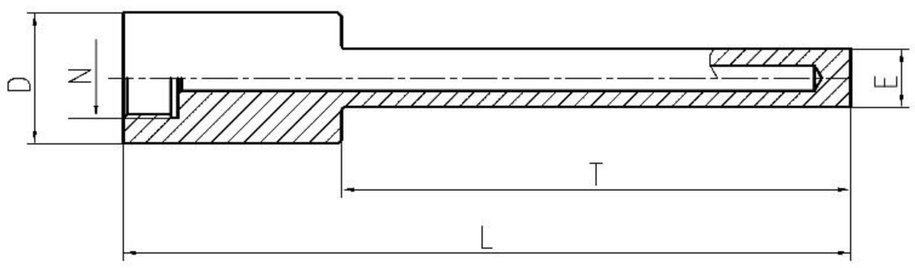
型号命名方法
Model naming method

TH	热安装套管 Thermal Installation Sleeve

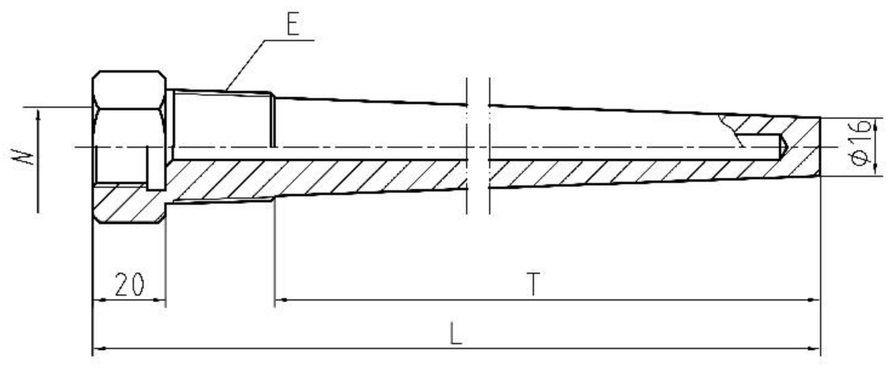
连接形式 Connection form	
01	螺纹连接式 Threaded
02	法兰连接式 Flanged
03	焊接式 Welded

套管形式 Sleeve form
见下表 See attachment

			典型型号示例 Typical Model Example
TH	02	H	

外型及尺寸 Appearance and dimensions	型号 Model	N	E	D
	TH03C	M20*1.5 (NPT1/2)	Φ28	Φ36

T(mm)	公称压力（P600）MPa Nominal pressure
≤260	≤38

外型及尺寸 Appearance and dimensions	型号 Model	N	E	D
	TH01E	M20*1.5 (NPT1/2)	NPT1 (NPT3/4)	/

T(mm)	公称压力（P600）MPa Nominal pressure
≤260	≤5

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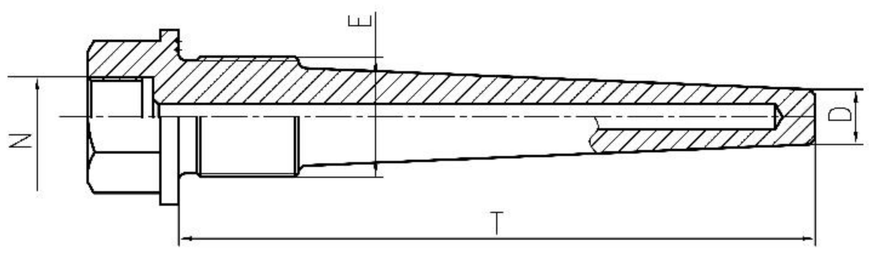
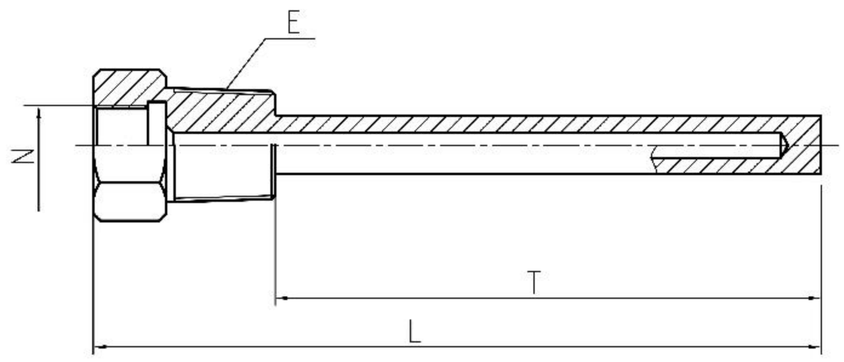
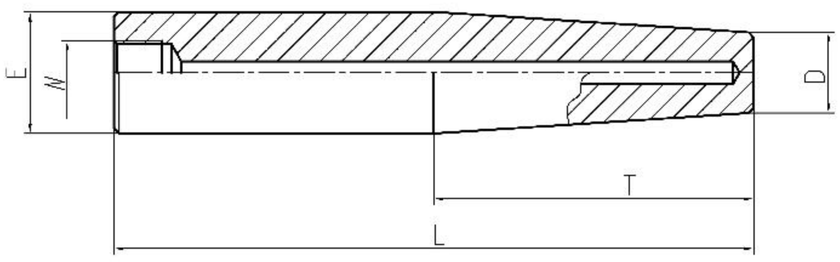
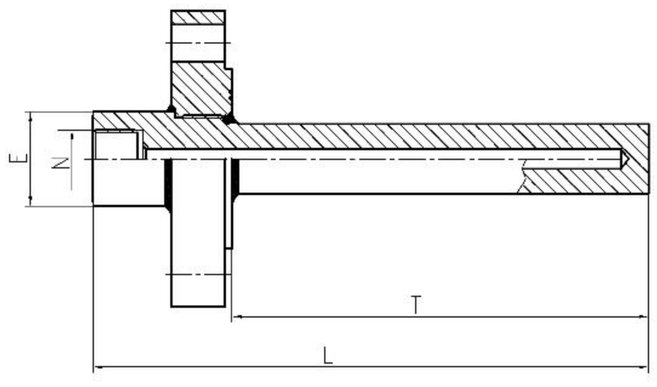
外型及尺寸 Appearance and dimensions	型号 Model	N	E	D
	TH01F	M20*1.5 (NPT1/2)	M27*2 (M33*2)	Φ16
T(mm)	公称压力（P600）MPa Nominal pressure			
≤260	≤5			
	TH01K	M20*1.5 (NPT1/2)	NPT1 (NPT3/4)	/
T(mm)	公称压力（P600）MPa Nominal pressure			
≤260	≤5			
	TH03E	M20*1.5 (NPT1/2)	Φ38	Φ25
T(mm)	公称压力（P600）MPa Nominal pressure			
≤260	≤38			
	TH02F	M20*1.5 (NPT1/2)	Φ34	/
T(mm)	公称压力（P600）MPa Nominal pressure	M27*2	Φ39	
≤260	≤38			

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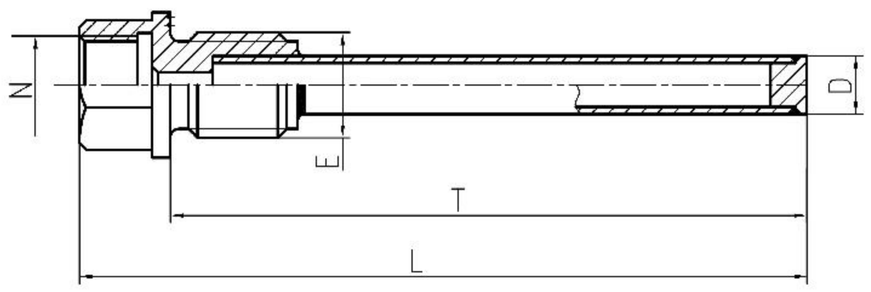
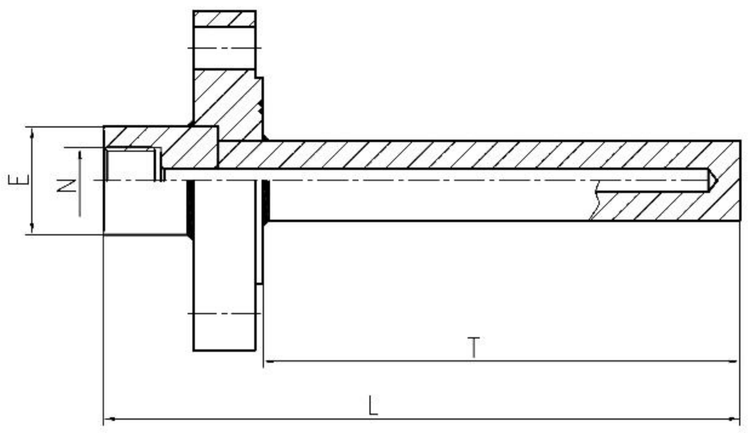
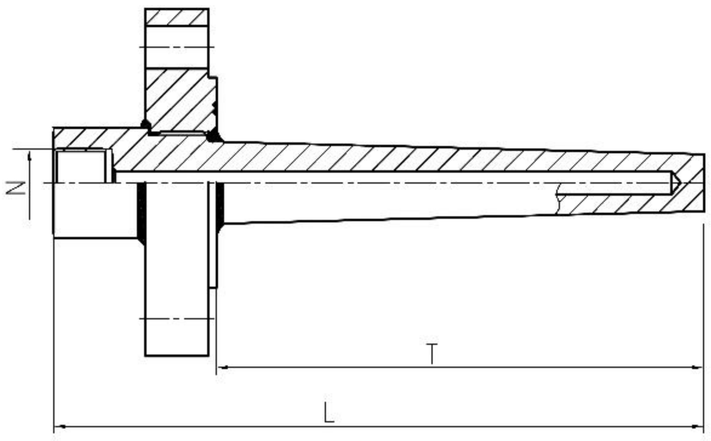
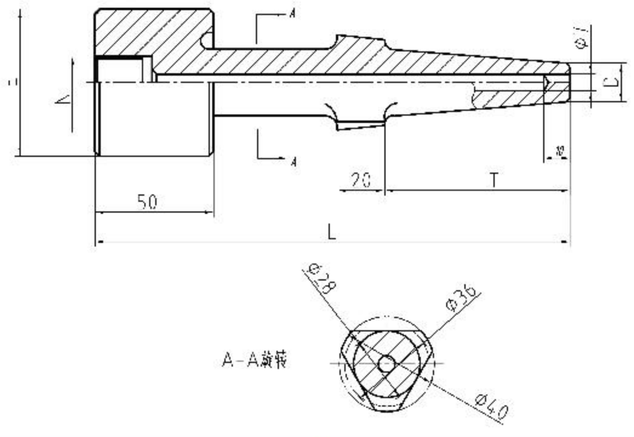
Appearance and dimensions</th><th>型号
Model</th><th>N</th><th>E</th><th>D</th></tr>
<tr><td rowspan="2"> 
</td><td rowspan="4">TH03H</td><td rowspan="4">M20*1.5
(NPT1/2)</td><td>M27*2</td><td>Φ16</td></tr>
<tr><td>M33*2</td><td>Φ20</td></tr>
<tr><td>T(mm)</td><td colspan="2">公称压力（P600）MPa
Nominal pressure</td></tr>
<tr><td>≤260</td><td colspan="2">≤5</td></tr>
<tr><td rowspan="2"> 
</td><td rowspan="4">TH02B</td><td rowspan="2">M20*1.5
(NPT1/2)</td><td>Φ34</td><td rowspan="4">/</td></tr>
<tr><td rowspan="2">M27*2</td><td>Φ39</td></tr>
<tr><td>T(mm)</td><td colspan="2">公称压力（P600）MPa
Nominal pressure</td></tr>
<tr><td>≤260</td><td colspan="2">≤10</td></tr>
<tr><td rowspan="2"> 
</td><td rowspan="4">TH02H</td><td rowspan="2">M20*1.5
(NPT1/2)</td><td>Φ34</td><td rowspan="4">/</td></tr>
<tr><td rowspan="2">M27*2</td><td>Φ39</td></tr>
<tr><td>T(mm)</td><td colspan="2">公称压力（P600）MPa
Nominal pressure</td></tr>
<tr><td>≤260</td><td colspan="2">≤38</td></tr>
<tr><td rowspan="2"> 
</td><td rowspan="4">TH02C</td><td rowspan="4">M20*1.5
(NPT1/2)</td><td rowspan="4">Φ62</td><td rowspan="4">Φ16</td></tr>
<tr><td>T(mm)</td><td colspan="2">公称压力（P600）MPa
Nominal pressure</td></tr>
<tr><td>≤260</td><td colspan="2">≤38</td></tr>
</table>

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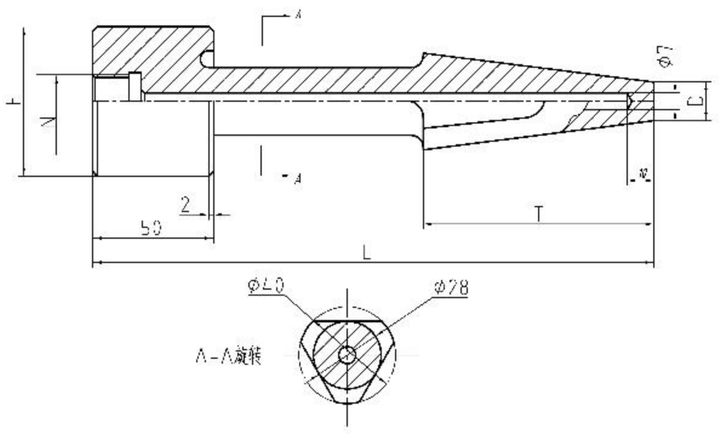
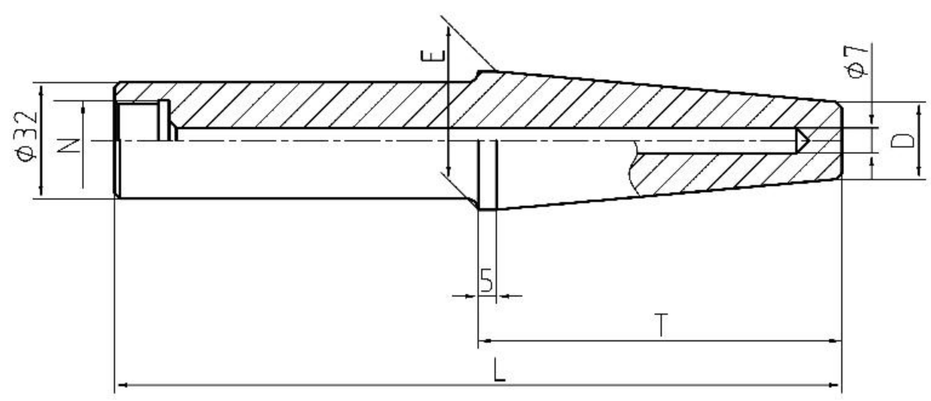
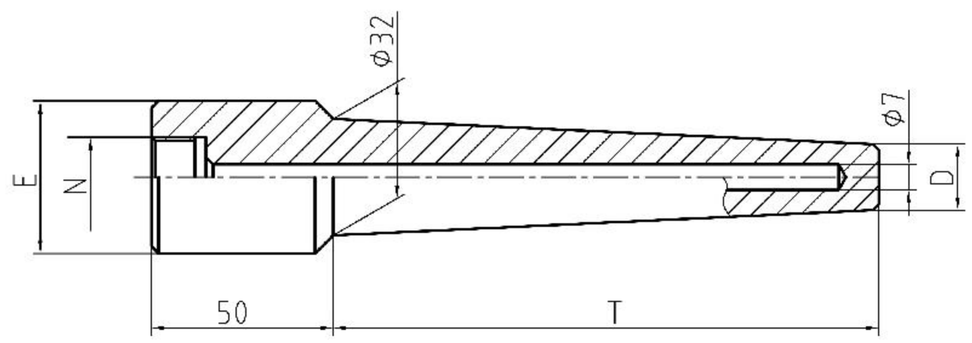
	TH01T	M20*1.5 (NPT1/2)	Φ62	Φ16
T(mm)	公称压力（P600）MPa Nominal pressure			
≤260	≤38			
	TH03J	M20*1.5 (NPT1/2)	Φ38	Φ22
T(mm)	公称压力（P600）MPa Nominal pressure			
≤260	≤38			
	TH03K	M20*1.5 (NPT1/2)	Φ42	Φ18
T(mm)	公称压力（P600）MPa Nominal pressure			
≤260	≤38			

保护管材质及选用

Material and selection of protective tube

材质 Material	使用温度（℃） Operating temperature	特点及用途 Characteristics and Usage
1Cr18Ni9Ti	-200~800	具有高温耐蚀性，通常作为一般耐热钢使用 High-temperature corrosion resistance, usually used as a general heat-resistant steel.

304	-200~800	低碳含量，具有良好耐晶间腐蚀性，通常作为一般耐热钢使用 Low carbon content, good intergranular corrosion resistance, usually used as a general heat-resistant steel
316	-200~750	低碳含量，具有良好耐晶间腐蚀性，作为耐腐蚀钢使用 Low carbon content, good intergranular corrosion resistance, used as a corrosion resistant steel
316L	-200~750	超低碳含量，具有良好耐晶间腐蚀性，作为耐腐蚀钢使用 Ultra-low carbon content, good intergranular corrosion resistance, used as a corrosion-resistant steel
蒙乃尔 Monel	-100~700	镍合金，具有良好耐晶间腐蚀性，适用于强硫酸等耐腐蚀性场合使用 Nickel alloy, with good resistance to intergranular corrosion, suitable for strong sulfuric acid and other corrosion-resistant applications
哈氏合金C-276 Hastelloy C-276	-100~700	镍铬铁合金，具有优良高温抗氧化性，通常作为耐热钢使用 Nickel-chromium-iron alloy, with excellent high-temperature oxidation resistance, usually used as heat-resistant steel
Inconel600	-100~1000	具有高温抗氧化性，耐腐蚀型，通常作为耐热钢使用 High-temperature oxidation resistance, corrosion-resistant, usually used as heat-resistant steel
310S	-200~1000	镍基高温合金钢，具有优良抗氧化性，耐腐蚀型，通常作为耐热钢使用 Nickel-based high-temperature alloy steel, with excellent oxidation resistance, corrosion-resistant type, usually used as heat-resistant steel
GH3030	0~1100	镍基高温合金钢，具有优良抗氧化性，耐腐蚀型，通常作为耐热钢使用 Nickel-based high-temperature alloy steel, with excellent oxidation resistance, corrosion-resistant type, usually used as heat-resistant steel
GH3039	0~1300	镍基高温合金钢，具有优良抗氧化性，耐腐蚀型，通常作为耐热钢使用 Nickel-based high-temperature alloy steel, with excellent oxidation resistance, corrosion-resistant type, usually used as heat-resistant steel
高铝质 High Aluminum	0~1300	工业陶瓷管，具有优良抗氧化性，耐腐蚀型 Industrial ceramic tubes with excellent oxidation resistance and corrosion resistance.
刚玉质 Corundum	0~1600	工业陶瓷管，具有优良抗氧化性，耐腐蚀型 Industrial ceramic tubes with excellent oxidation resistance and corrosion resistance.
3YC52	0~1300	高温合金，具有优良抗氧化性，耐腐蚀型，机械性能能，适用于高温场所 High-temperature alloy with excellent oxidation resistance, corrosion resistance, mechanical properties, suitable for high-temperature applications.
二硅化钼 Molybdenum disilicide	0~1600	具有优良抗氧化性，耐腐蚀型，机械性能好，适用于高温场所 Excellent oxidation resistance, corrosion resistance, good mechanical properties, suitable for high temperature places

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选型须知

Selection Instructions

1、型号；
2、套管代号；
3、插入深度；
4、套管材料。

1. Model
2. Sleeve code
3. Insert depth
4. Sleeve material

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