



LEEMIN  
黎明液压

## 管 夹 TUBE CLAMPS

### (一)概述 INTRODUCTION

#### 1、范围

轻型系列管夹应用于6种尺寸系列的普通机械压力管子，管子外径 $\phi 6\sim 57\text{mm}$ 。

双联系列管夹应用于5种尺寸系列的普通机械压力管子，管子外径 $\phi 6\sim 42\text{mm}$ 。

重型系列管夹应用于10种尺寸系列的高机械压力管子，管子外径 $\phi 8\sim 406\text{mm}$ 。

#### 1、RANGE

Light series clamps can be supplied in 6 series for normal mechanical stress, Tube o.d. 6 to 57mm.

Twin tube clamp series can be supplied in 5 series for normal mechanical stress, Tube o.d. 6 to 42mm.

Heavy series, clamps can be supplied in 10 series for high mechanical stress. Tube o.d. 8 to 406mm.

#### 2、材料特性 MATERIAL PROPERTIES

特 性 Properties	聚 丙 烯 Polypropylene(PP)	尼 龙 Polyamide 6 (PA 6)	铝 Aluminium
密度 Density	0.906 g/cm <sup>3</sup>	1.12-1.15 g/cm <sup>3</sup>	2.65 g/cm <sup>3</sup>
弯曲强度 Flexural Deflection	36N/mm <sup>2</sup>	130...200N/mm <sup>2</sup>	70N/mm <sup>2</sup>
冲击韧性 Impact Resistance	不断 no break	不断 no break	
压缩强度 Compressive Strength	90N/mm <sup>2</sup>	120N/mm <sup>2</sup>	HB500-600N/mm <sup>2</sup>
弹性模量 Modulus of Elasticity	1500N/mm <sup>2</sup>	3000N/mm <sup>2</sup>	70.000N/mm <sup>2</sup>
拉伸强度 Tensile Strength	25-35N/mm <sup>2</sup>	80-90N/mm <sup>2</sup>	180N/mm <sup>2</sup>
耐温 Temp.Resistance	-30...+90°C	-40...+120°C	300°C
颜色 Colour	绿 green	黑 black	

根据要求可选用其它材料 Other materials on request

#### 3、订货代号 ORDER CODE

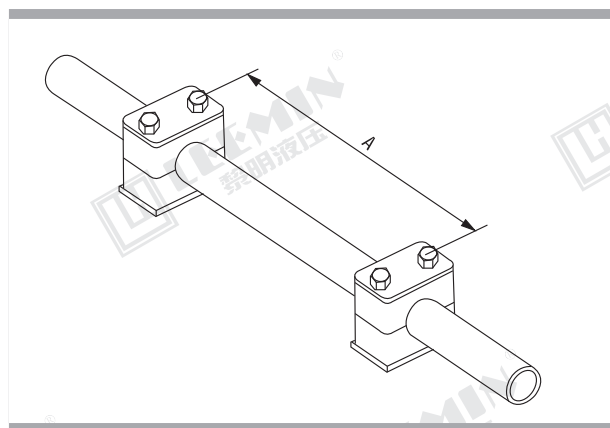
管夹 Tube clamp	T ※ ※ 1 — 3 2 0	直径 Diameter
系列 Series		尺寸系列 Clamp Size
L:轻型系列 Light Series		
T:双联系列 Twin Tube Clamp series		组合 Mounting model
H:重型系列 Heavy Series		
材料 Material		内表面 Interior Surface
P:聚丙烯 Polypropylene		G:凹槽型 Grooved
N:尼龙 6 Polyamide 6		S:光滑型 Smooth
A:铝 Aluminium		

对单个零件及附件系列有对应的订货代号，它仅根据系列代号变化而变化。  
The order codes for single parts and accessories have a unit system for all series, which only varies in the series code.



#### 4、管夹安装的推荐距离

#### RECOMMENDED DISTANCES FOR INSTALLATION OF CLAMP



管子外径(mm) Tube o.d.	管子距离(m) Distances of clamps
6-14	0.9
15-22	1.2
23-28	1.5
30-38	2
40-48.3	2.5
50-57	3
60.3-70	3.4
73-88.9	3.7
90-108	4
114.3-133	4.3
140-165.1	5
168.3-220	5.5
219.1-323.9	6.5
356-406	7.5

当弯头或弯管处用管夹固定时，应该尽可能近地在弯管的两边。

When an elbow or bend to be supported by the clamps, the clamps should be positioned as close as possible on each side of the bend.



## 5、装配说明

装配在焊接板上

装配前，为更好地确定管夹的方向，建议先在固定处做好标记，后焊上焊接板，嵌上管夹体的下半部分，放上需固定的管子。再放上另一半管夹体和盖板，用螺钉擦紧。

切忌直接焊接已装好管夹的底板。

装在导轨上

导轨可焊在基础上，或用螺钉固定，随后将导轨螺母推入轨内，并转90度，将下半个管夹体嵌入螺母，入上需固定的管子，再放上上半个管夹体和盖板，用螺钉固定。

叠起装配

导轨可焊在基础上，或用螺钉固定，先装上下半个管夹体，放上需固定的管子，再放上上半个管夹体，用螺钉固定，通过防松盖板防止它转动。然后安装第二个管夹，方法同上。

## ASSEMBLY INSTRUCTION

Assembly on to metal welding plates

Weld metal welding plates on to a weight adjusted base.

Clip lower half of clamp on to welding plate and insert tube; then add second clamp-half and tighten with screws provided.

DO NOT weld with plastic clamp in position!

Assembly on rail-supports

Rail-supports can

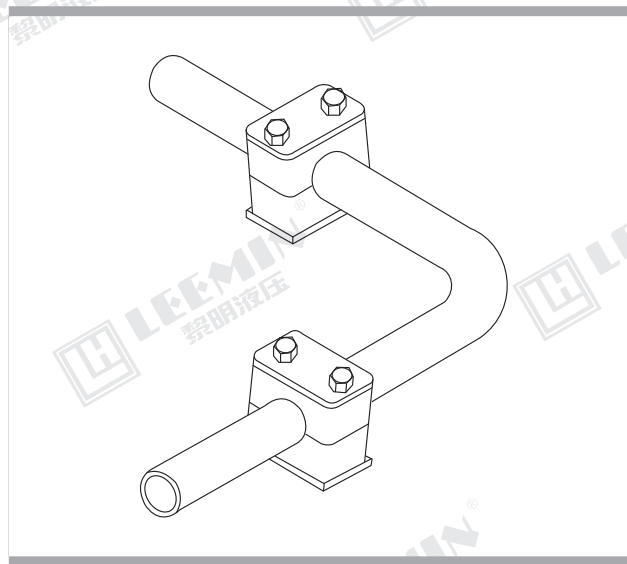
be welded or screwed on with a fastening bracket. Insert rail nuts into rail and turn as far as it will go. (Ensure that spacing is right). Wedge on lower clamp-half, insert tube, add second clamp-half and tighten with screws provided.

Construction assembly

Weld on welding plate or rail support, or screw on with a fixing bracket. Wedge on lower clamp-half, insert tube, add upper clamp-half and tighten with fixing screws. (Fixing screw to jut out.)

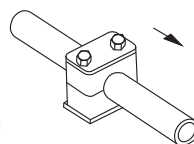
By applying a locking plate to the upper half of the clamp, the fixingscrew is prevented from twisting. Then mount the second tube

## 弯管的装配



弯配弯管时，应直接在弯管的前部和后部用黎明管夹固定。建议这样的支承点应为固定位置。

## 螺栓的紧固力矩和管上的轴向夹持力



管上的轴的夹持力(根据DIN 3015 第10部分)是一个平均值，它是由3次试验值计算出来的。试验时用一根按照DIN 2448 的 St37 号钢管，温度为 23℃，管上有静摩擦。  
管夹在管子的轴向上受到一个列出的测试力(F)时，管夹内的管子不会滑动。

轻型系列(按照DIN 3015 第1部分)					
尺寸系列	固定用螺栓 GB5782-86	聚丙烯		尼龙6	
		螺栓紧固力矩(Nm)	管子夹持力F(KN)	螺栓紧固力矩(Nm)	管子夹持力F(KN)
0	M6	8	0.6	10	0.6
1		8	1.1	10	0.7
2		8	1.3	10	0.8
3		8	1.4	10	1.6
4		8	1.5	10	1.7
5		8	1.9	10	2.0
6		8	2.0	10	2.5

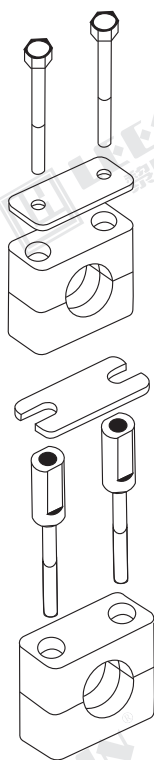
重型系列(按照DIN 3015 第2部分)						
尺寸系列	固定用螺栓 GB5782-86	聚丙烯		尼龙6		铝
		螺栓紧固力矩(Nm)	管子夹持力F(KN)	螺栓紧固力矩(Nm)	管子夹持力F(KN)	螺栓紧固力矩(Nm)
1	M10	12	1.6	20	4.2	30
2		12	2.9	20	4.5	30
3		15	3.3	25	5.1	35
4	M12	30	8.2	40	9.3	55
5	M16	45	11.0	55	21.0	120
6	M20	80	14.0	150	25.8	220
7	M24	110	28.0	200	32.0	250
8	M30	180	40.0	350	48.0	500
9						500
10						600

双联系列(按照DIN 3015 第3部分)					
尺寸系列	固定用螺栓 GB5782-86	聚丙烯		尼龙6	
		螺栓紧固力矩(Nm)	管子夹持力F(KN)	螺栓紧固力矩(Nm)	管子夹持力F(KN)
1	M6	5	0.9	5	0.9
2	M8	12	2.1	12	2.2
3		12	1.9	12	2.0
4		12	2.7	12	2.9
5		8	1.7	8	2.5

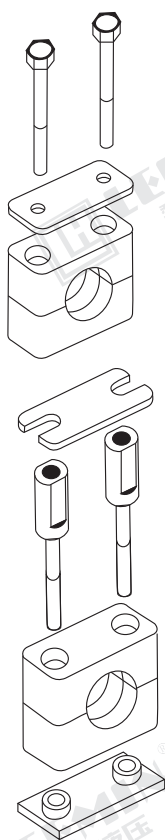


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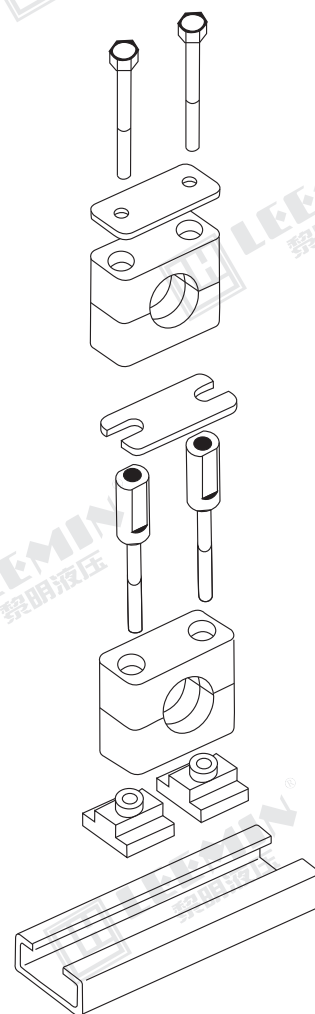
## 重型 Heavy series



订货代号 Order code  
THPG16-\*\*\*  
+ THPG5-\*\*\*



订货代号 Order code  
THPG1-\*\*\*  
+ THPG5-\*\*\*



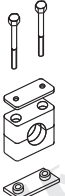

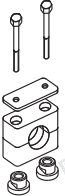


订货代号 Order code  
THPG3-\*\*\*  
+ THPG5-\*\*\*  
+ TH-E



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### 3、重型系列 Heavy Series

(本产品符合德国标准 DIN3015 Teil2)

<p>订货代号 Order code</p> <p>THPG— 重型塑料管夹内孔凹槽型</p> <p>Heavy series, polypropylene inside grooved</p> <p>THPS— 重型塑料管夹内孔光滑</p> <p>Heavy series, polypropylene inside smooth</p> <p>THNG— 重型尼龙管夹内孔凹槽型</p> <p>Heavy series, polyamide 6, inside grooved</p> <p>THNS— 重型尼龙管夹内孔光滑</p> <p>Heavy series, polyamide 6, inside smooth</p> <p>THAG— 重型铝管夹内孔凹槽型</p> <p>Heavy series, Aluminium, inside grooved</p> <p>(根据要求, 请调换“订货代号”中的标准缩写“THPG”部分, 把其中“P”或“N”改成“A”即成为铝管夹)</p> <p>(As required, exchange standard abbreviation “THPG” in column of “order code” Change “P” and “N” into “A”, it's Aluminium clamps)</p>				<p>管夹用焊接底板固定, 用外六角螺栓 加盖板压紧管夹 2 clamp halves, weld plate, cover plate, hex. head bolts</p> 		<p>管夹用焊接底板固定, 用内六角螺栓 加盖板压紧管夹 2 clamp halves, weld plate, cover plate, socket head bolts</p> 		<p>管夹用外六角螺栓 加盖板与导轨螺母 压紧(在导轨上) 2 clamp halves, rail nut, cover plate, hex. head bolts</p> 		<p>管夹用内六角螺栓 加盖板与导轨螺母 压紧(在导轨上) 2 clamp halves, rail nut, cover plate, socket head screws</p> 		<p>管夹用叠加螺栓加防松盖板和其底板或叠加另一管夹压紧</p> <p>2 clamp halves, locking plate, stacking bolts</p> 	
尺寸系列 Clamp size	外径 MM O.D.	英寸内径 Inch I.D.	英寸外径 Inch O.D.	订货代号 Order code	订货代号 Order code	订货代号 Order code	订货代号 Order code	订货代号 Order code	订货代号 Order code	订货代号 Order code			
1	6			THPG1-106	THPG2-106	THPG3-106	THPG4-106	THPG5-106					
	8			THPG1-108	THPG2-108	THPG3-108	THPG4-108	THPG5-108					
	10	G1/8	5/16	THPG1-110	THPG2-110	THPG3-110	THPG4-110	THPG5-110					
	12			THPG1-112	THPG2-112	THPG3-112	THPG4-112	THPG5-112					
	12.7			THPG1-112.7	THPG2-112.7	THPG3-112.7	THPG4-112.7	THPG5-112.7					
	13.5	G1/4		THPG1-113.5	THPG2-113.5	THPG3-113.5	THPG4-113.5	THPG5-113.5					
	14			THPG1-114	THPG2-114	THPG3-114	THPG4-114	THPG5-114					
	15			THPG1-115	THPG2-115	THPG3-115	THPG4-115	THPG5-115					
	16		5/8	THPG1-116	THPG2-116	THPG3-116	THPG4-116	THPG5-116					
	17.2	G3/8		THPG1-117.2	THPG2-117.2	THPG3-117.2	THPG4-117.2	THPG5-117.2					
	18			THPG1-118	THPG2-118	THPG3-118	THPG4-118	THPG5-118					
2	18		3/4	THPG1-218	THPG2-218	THPG3-218	THPG4-218	THPG5-218					
	19			THPG1-219	THPG2-219	THPG3-219	THPG4-219	THPG5-219					
	20	G1/2		THPG1-220	THPG2-220	THPG3-220	THPG4-220	THPG5-220					
	21.3			THPG1-221.3	THPG2-221.3	THPG3-221.3	THPG4-221.3	THPG5-221.3					
	22			THPG1-222	THPG2-222	THPG3-222	THPG4-222	THPG5-222					
	23		1	THPG1-223	THPG2-223	THPG3-223	THPG4-223	THPG5-223					
	25			THPG1-225	THPG2-225	THPG3-225	THPG4-225	THPG5-225					
	26.9	G3/4		THPG1-226.9	THPG2-226.9	THPG3-226.9	THPG4-226.9	THPG5-226.9					
	28			THPG1-228	THPG2-228	THPG3-228	THPG4-228	THPG5-228					
	30			THPG1-230	THPG2-230	THPG3-230	THPG4-230	THPG5-230					
3	30		1 1/4	THPG1-330	THPG2-330	THPG3-330	THPG4-330	THPG5-330					
	32			THPG1-332	THPG2-332	THPG3-332	THPG4-332	THPG5-332					
	33.7	G1		THPG1-333.7	THPG2-333.7	THPG3-333.7	THPG4-333.7	THPG5-333.7					
	35			THPG1-335	THPG2-335	THPG3-335	THPG4-335	THPG5-335					
	38		1 1/2	THPG1-338	THPG2-338	THPG3-338	THPG4-338	THPG5-338					
	40			THPG1-340	THPG2-340	THPG3-340	THPG4-340	THPG5-340					
	42	G1 1/4		THPG1-342	THPG2-342	THPG3-342	THPG4-342	THPG5-342					
	38		1 1/2	THPG1-438	THPG2-438	THPG3-438	THPG4-438	THPG5-438					
	40			THPG1-440	THPG2-440	THPG3-440	THPG4-440	THPG5-440					
	42	G1 1/4		THPG1-442	THPG2-442	THPG3-442	THPG4-442	THPG5-442					
4	45			THPG1-445	THPG2-445	THPG3-445	THPG4-445	THPG5-445					
	48.3			THPG1-448.3	THPG2-448.3	THPG3-448.3	THPG4-448.3	THPG5-448.3					
	50	G1 1/2	2	THPG1-450	THPG2-450	THPG3-450	THPG4-450	THPG5-450					
	51			THPG1-451	THPG2-451	THPG3-451	THPG4-451	THPG5-451					
	52			THPG1-452	THPG2-452	THPG3-452	THPG4-452	THPG5-452					
	55		2 1/4	THPG1-455	THPG2-455	THPG3-455	THPG4-455	THPG5-455					
	57			THPG1-457	THPG2-457	THPG3-457	THPG4-457	THPG5-457					
	60.3	G2	2 1/2	THPG1-460.3	THPG2-460.3	THPG3-460.3	THPG4-460.3	THPG5-460.3					
	63			THPG1-463	THPG2-463	THPG3-463	THPG4-463	THPG5-463					
	65			THPG1-465	THPG2-465	THPG3-465	THPG4-465	THPG5-465					
5	70			THPG1-470	THPG2-470	THPG3-470	THPG4-470	THPG5-470					
	70			THPG1-570	THPG2-570			THPG5-570					
	73			THPG1-573	THPG2-573			THPG5-573					
	75			THPG1-575	THPG2-575			THPG5-575					
	76.1	G2 1/2	3	THPG1-576.1	THPG2-576.1			THPG5-576.1					
	80			THPG1-580	THPG2-580			THPG5-580					
	82.5		3 1/4	THPG1-582.5	THPG2-582.5			THPG5-582.5					
	88.9	G3	3 1/2	THPG1-588.9	THPG2-588.9			THPG5-588.9					
	90			THPG1-590	THPG2-590			THPG5-590					
	90			THPG1-690	THPG2-690			THPG5-690					
6	97			THPG1-697	THPG2-697			THPG5-697					
	100			THPG1-6100	THPG2-6100			THPG5-6100					
	101.6	G3 1/2	4	THPG1-6101.6	THPG2-6101.6			THPG5-6101.6					
	108		4 1/4	THPG1-6108	THPG2-6108			THPG5-6108					
	114.3	G4	4 1/2	THPG1-6114.3	THPG2-6114.3			THPG5-6114.3					
	127			THPG1-6127	THPG2-6127			THPG5-6127					
	127		5	THPG1-7127	THPG2-7127			THPG5-7127					
	133		5 1/4	THPG1-7133	THPG2-7133			THPG5-7133					
	140	G5	5 1/2	THPG1-7140	THPG2-7140			THPG5-7140					
	150			THPG1-7150	THPG2-7150			THPG5-7150					
7	152.4		6	THPG1-7152.4	THPG2-7152.4			THPG5-7152.4					
	159	G5 1/2	6 1/4	THPG1-7159	THPG2-7159			THPG5-7159					
	165.1		6 1/2	THPG1-7165.1	THPG2-7165.1			THPG5-7165.1					
	168.3	G6	6 5/8	THPG1-7168.3	THPG2-7168.3			THPG5-7168.3					
	168.3		6 5/8	THPG1-8168.3	THPG2-8168.3			THPG5-8168.3					
	177.8		7	THPG1-8177.8	THPG2-8177.8			THPG5-8177.8					
	193.7		7 5/8	THPG1-8193.7	THPG2-8193.7			THPG5-8193.7					
	203			THPG1-8203	THPG2-8203			THPG5-8203					
	219.1	G8	8 5/8	THPG1-8219.1	THPG2-8219.1			THPG5-8219.1					
	220			THPG1-8220	THPG2-8220			THPG5-8220					
8	219.1		8 5/8	THAG1-9219.1	THAG2-9219.1								
	224.5	G8		THAG1-9224.5	THAG2-9224.5								
	273	G10		THAG1-9273	THAG2-9273								
	323.9	G12		THAG1-9323.9	THAG2-9323.9								
	356			THAG1-10356	THAG2-10356								
	365	G14		THAG1-10365	THAG2-10365								
	406	G16		THAG1-10406	THAG2-10406								
9													
10													

如果要求不同的型式, 我们可按分散零件订货If different combinations are required, they could be ordered as separate components

注: 9、10尺寸系列材料为铝件。

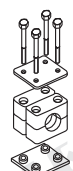
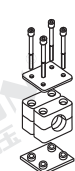
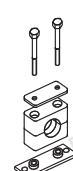
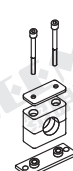
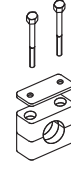
Note: The material used for size 9 and 10 series is aluminium.





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黎明液压

(本产品符合德国标准 DIN3015 Teil2)

<p>订货代号 Order code</p> <p>THPG— 重型塑料管夹内孔凹槽型 Heavy series, polypropylene inside grooved</p> <p>THPS— 重型塑料管夹内孔光滑 Heavy series, polypropylene inside smooth</p> <p>THNG— 重型尼龙管夹内孔凹槽型 Heavy series, polyamide 6, inside grooved</p> <p>THNS— 重型尼龙管夹内孔光滑 Heavy series, polyamide 6, inside smooth</p> <p>THAG— 重型铝管夹内孔凹槽型 Heavy series, Aluminium, inside grooved</p> <p>(根据要求, 请调换“订货代号”中的标准缩写“THPG”部分, 把其中“P”或“N”改成“A”即成为铝管夹) (As required, exchange standard abbreviation “THPG” in column of “order code” Change “P” and “N” into “A”, it's Aluminium clamps)</p>				<p>两支管夹用双联焊接底板固定, 用外六角螺栓加双联盖板压紧管夹。 2 clamp halves, double weld plate, double cover plate, hex. head bolts.</p> 		<p>两支管夹用双联焊接底板固定, 用外六角螺钉加双联盖板压紧管夹。 2 clamp halves, double weld plate, double cover plate, socket head screws</p> 		<p>管夹底板用焊接或螺栓固定, 用外六角螺栓加盖板压紧管夹。 2 clamp halves, weld / screw plate, cover plate and hex. head bolts</p> 	<p>管夹底板用焊接或螺栓固定, 用内六角螺钉加盖板压紧管夹。 2 clamp halves, weld / screw plate, cover plate and socket head screws</p> 	<p>管夹用外六角螺栓加盖板和其它底板压紧 2 clamp halves, cover plate and hex head bolts</p> 
尺寸系列 Clamp size	外径 MM O.D.	英寸内径 Inch I.D.	英寸外径 Inch O.D.	订货代号 Order code	订货代号 Order code	订货代号 Order code	订货代号 Order code	订货代号 Order code		
1	6	G1/8	5/16	THPG6-106	THPG7-106	THPG8-106	THPG9-106	THPG16-106		
	8			THPG6-108	THPG7-108	THPG8-108	THPG9-108	THPG16-108		
	10			THPG6-110	THPG7-110	THPG8-110	THPG9-110	THPG16-110		
	12			THPG6-112	THPG7-112	THPG8-112	THPG9-112	THPG16-112		
	12.7			THPG6-112.7	THPG7-112.7	THPG8-112.7	THPG9-112.7	THPG16-112.7		
	13.5	G1/4	5/8	THPG6-113.5	THPG7-113.5	THPG8-113.5	THPG9-113.5	THPG16-113.5		
	14			THPG6-114	THPG7-114	THPG8-114	THPG9-114	THPG16-114		
	15			THPG6-115	THPG7-115	THPG8-115	THPG9-115	THPG16-115		
	16	G3/8		THPG6-116	THPG7-116	THPG8-116	THPG9-116	THPG16-116		
	17.2			THPG6-117.2	THPG7-117.2	THPG8-117.2	THPG9-117.2	THPG16-117.2		
2	18	G1/2	3/4	THPG6-118	THPG7-118	THPG8-118	THPG9-118	THPG16-118		
	18			THPG6-218	THPG7-218	THPG8-218	THPG9-218	THPG16-218		
	19			THPG6-219	THPG7-219	THPG8-219	THPG9-219	THPG16-219		
	20			THPG6-220	THPG7-220	THPG8-220	THPG9-220	THPG16-220		
	21.3			THPG6-221.3	THPG7-221.3	THPG8-221.3	THPG9-221.3	THPG16-221.3		
	22	G3/4	1	THPG6-222	THPG7-222	THPG8-222	THPG9-222	THPG16-222		
	23			THPG6-223	THPG7-223	THPG8-223	THPG9-223	THPG16-223		
	25			THPG6-225	THPG7-225	THPG8-225	THPG9-225	THPG16-225		
	26.9	G1	1 1/4	THPG6-226.9	THPG7-226.9	THPG8-226.9	THPG9-226.9	THPG16-226.9		
	28			THPG6-228	THPG7-228	THPG8-228	THPG9-228	THPG16-228		
30	THPG6-230			THPG7-230	THPG8-230	THPG9-230	THPG16-230			
3	30	G1	1 1/4	THPG6-330	THPG7-330	THPG8-330	THPG9-330	THPG16-330		
	32			THPG6-332	THPG7-332	THPG8-332	THPG9-332	THPG16-332		
	33.7			THPG6-333.7	THPG7-333.7	THPG8-333.7	THPG9-333.7	THPG16-333.7		
	35			THPG6-335	THPG7-335	THPG8-335	THPG9-335	THPG16-335		
	38			THPG6-338	THPG7-338	THPG8-338	THPG9-338	THPG16-338		
	40	G1 1/4	1 1/2	THPG6-340	THPG7-340	THPG8-340	THPG9-340	THPG16-340		
	42			THPG6-342	THPG7-342	THPG8-342	THPG9-342	THPG16-342		
	4	38	G1 1/4	1 1/2	THPG6-438	THPG7-438	THPG8-438	THPG9-438	THPG16-438	
		40			THPG6-440	THPG7-440	THPG8-440	THPG9-440	THPG16-440	
		42			THPG6-442	THPG7-442	THPG8-442	THPG9-442	THPG16-442	
45		THPG6-445			THPG7-445	THPG8-445	THPG9-445	THPG16-445		
48.3		THPG6-448.3			THPG7-448.3	THPG8-448.3	THPG9-448.3	THPG16-448.3		
50		G1 1/2	2	THPG6-450	THPG7-450	THPG8-450	THPG9-450	THPG16-450		
51				THPG6-451	THPG7-451	THPG8-451	THPG9-451	THPG16-451		
52				THPG6-452	THPG7-452	THPG8-452	THPG9-452	THPG16-452		
55		G2	2 1/4	THPG6-455	THPG7-455	THPG8-455	THPG9-455	THPG16-455		
57				THPG6-457	THPG7-457	THPG8-457	THPG9-457	THPG16-457		
60.3	THPG6-460.3			THPG7-460.3	THPG8-460.3	THPG9-460.3	THPG16-460.3			
63	G2	2 1/2	THPG6-463	THPG7-463	THPG8-463	THPG9-463	THPG16-463			
65			THPG6-465	THPG7-465	THPG8-465	THPG9-465	THPG16-465			
70			THPG6-470	THPG7-470	THPG8-470	THPG9-470	THPG16-470			
5	70	G2 1/2	3	THPG6-570	THPG7-570	THPG8-570	THPG9-570	THPG16-570		
	73			THPG6-573	THPG7-573	THPG8-573	THPG9-573	THPG16-573		
	75			THPG6-575	THPG7-575	THPG8-575	THPG9-575	THPG16-575		
	76.1			THPG6-576.1	THPG7-576.1	THPG8-576.1	THPG9-576.1	THPG16-576.1		
	80			THPG6-580	THPG7-580	THPG8-580	THPG9-580	THPG16-580		
	82.5	G3	3 1/4	THPG6-582.5	THPG7-582.5	THPG8-582.5	THPG9-582.5	THPG16-582.5		
	88.9			THPG6-588.9	THPG7-588.9	THPG8-588.9	THPG9-588.9	THPG16-588.9		
	90			THPG6-590	THPG7-590	THPG8-590	THPG9-590	THPG16-590		
	6	90	G3 1/2	4	THPG6-690	THPG7-690	THPG8-690	THPG9-690	THPG16-690	
		97			THPG6-697	THPG7-697	THPG8-697	THPG9-697	THPG16-697	
100		THPG6-6100			THPG7-6100	THPG8-6100	THPG9-6100	THPG16-6100		
101.6		THPG6-6101.6			THPG7-6101.6	THPG8-6101.6	THPG9-6101.6	THPG16-6101.6		
108		THPG6-6108			THPG7-6108	THPG8-6108	THPG9-6108	THPG16-6108		
114.3		G4	4 1/2	THPG6-6114.3	THPG7-6114.3	THPG8-6114.3	THPG9-6114.3	THPG16-6114.3		
127				THPG6-6127	THPG7-6127	THPG8-6127	THPG9-6127	THPG16-6127		
7		127	G5	5	THPG6-7127	THPG7-7127	THPG8-7127	THPG9-7127	THPG16-7127	
		133			THPG6-7133	THPG7-7133	THPG8-7133	THPG9-7133	THPG16-7133	
		140			THPG6-7140	THPG7-7140	THPG8-7140	THPG9-7140	THPG16-7140	
	150	THPG6-7150			THPG7-7150	THPG8-7150	THPG9-7150	THPG16-7150		
	152.4	THPG6-7152.4			THPG7-7152.4	THPG8-7152.4	THPG9-7152.4	THPG16-7152.4		
	159	G5 1/2	6	THPG6-7159	THPG7-7159	THPG8-7159	THPG9-7159	THPG16-7159		
	165.1			THPG6-7165.1	THPG7-7165.1	THPG8-7165.1	THPG9-7165.1	THPG16-7165.1		
	168.3			THPG6-7168.3	THPG7-7168.3	THPG8-7168.3	THPG9-7168.3	THPG16-7168.3		
	8	168.3	G6	6 1/8	THPG6-8168.3	THPG7-8168.3	THPG8-8168.3	THPG9-8168.3	THPG16-8168.3	
		177.8			THPG6-8177.8	THPG7-8177.8	THPG8-8177.8	THPG9-8177.8	THPG16-8177.8	
193.7		THPG6-8193.7			THPG7-8193.7	THPG8-8193.7	THPG9-8193.7	THPG16-8193.7		
203		THPG6-8203			THPG7-8203	THPG8-8203	THPG9-8203	THPG16-8203		
219.1		THPG6-8219.1			THPG7-8219.1	THPG8-8219.1	THPG9-8219.1	THPG16-8219.1		
220		G8	8 5/8	THPG6-8220	THPG7-8220	THPG8-8220	THPG9-8220	THPG16-8220		
219.1				THAG6-9219.1	THAG7-9219.1	THAG8-9219.1	THAG9-9219.1	THAG16-9219.1		
224.5				THAG6-9224.5	THAG7-9224.5	THAG8-9224.5	THAG9-9224.5	THAG16-9224.5		
273		G10	10	THAG6-9273	THAG7-9273	THAG8-9273	THAG9-9273	THAG16-9273		
323.9				THAG6-9323.9	THAG7-9323.9	THAG8-9323.9	THAG9-9323.9	THAG16-9323.9		
10	356	G14	14	THAG6-10356	THAG7-10356	THAG8-10356	THAG9-10356	THAG16-10356		
	365			THAG6-10365	THAG7-10365	THAG8-10365	THAG9-10365	THAG16-10365		
	406			THAG6-10406	THAG7-10406	THAG8-10406	THAG9-10406	THAG16-10406		
	406			THAG6-10406	THAG7-10406	THAG8-10406	THAG9-10406	THAG16-10406		

如果要求不同的型式, 我们可按分散零件订货 If different combinations are required, they could be ordered as separate components

注: 9、10尺寸系列材料为铝件。

Note: The material used for size 9 and 10 series is aluminium.

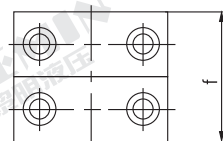
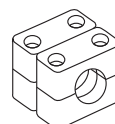
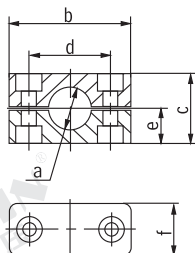
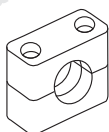


**LEEMIN**  
黎明液压

(本产品符合德国标准 DIN3015 Teil2)

订货代号 Order code  
THPG— 重型塑料管夹内孔凹槽型  
Heavy series, polypropylene inside grooved  
THPS— 重型塑料管夹内孔光滑  
Heavy series, polypropylene inside smooth  
THNG— 重型尼龙管夹内孔凹槽型  
Heavy series, polyamide 6, inside grooved  
THNS— 重型尼龙管夹内孔光滑  
Heavy series, polyamide 6, inside smooth  
THAG— 重型铝管夹内孔凹槽型  
Heavy series, Aluminium, inside grooved

(根据要求, 请调换“订货代号”中的标准缩写“THPG”部分, 把其中“P”或“N”改成“A”即成为铝管夹)  
(As required, exchange standard abbreviation “THPG” in column of “order code” Change “P” and “N” into “A”, it's Aluminium clamps)

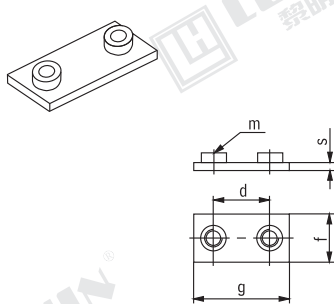
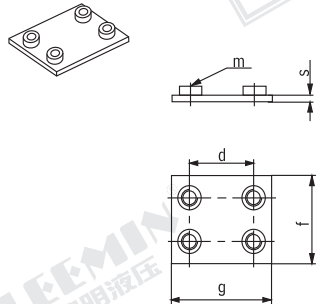
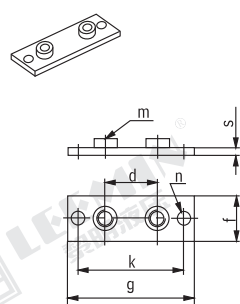


尺寸系列 Clamp size	外径 mm O.D.	英寸内径 Inch I.D.	英寸外径 Inch O.D.	THPG 型管夹 2 clamp halves THPG						THPGD 型双联管夹 4 clamp halves THPGD																								
				订货代号 Order code	尺寸 Size					订货代号 Order code	尺寸 Size																							
					b	c	d	e	f		b	c	d	e	f																			
1	6	G1/8	5/16	THPG-106	55	32	33	16	30	THPGD-106	55	32	33	16	60																			
	8			THPG-108						THPGD-108																								
	10			THPG-110						THPGD-110																								
	12			THPG-112						THPGD-112																								
	12.7			THPG-112.7						THPGD-112.7																								
	13.5	G1/4	5/8	THPG-113.5						THPGD-113.5																								
	14			THPG-114						THPGD-114																								
	15			THPG-115						THPGD-115																								
	16	G3/8	1	THPG-116						THPGD-116																								
	17.2			THPG-117.2						THPGD-117.2																								
	18			THPG-118						THPGD-118																								
2	18	G1/2	1	THPG-218	70	48	45	24	30	THPGD-218	70	48	45	24	60																			
	19			THPG-219						THPGD-219																								
	20			THPG-220						THPGD-220																								
	21.3			THPG-221.3						THPGD-221.3																								
	22			THPG-222						THPGD-222																								
	23	G3/4	1 1/4	THPG-223						THPGD-223																								
	25			THPG-225						THPGD-225																								
	26.9			THPG-226.9						THPGD-226.9																								
	28	THPG-228	THPGD-228																															
	30	THPG-230	THPGD-230																															
	3	30	G1	1 1/4						THPG-330						85	60	60	30	30	THPGD-330	85	60	60	30	60								
32		THPG-332			THPGD-332																													
33.7		THPG-333.7			THPGD-333.7																													
35		THPG-335			THPGD-335																													
38		THPG-338			THPGD-338																													
40		G1 1/4	1 1/2	THPG-340	THPGD-340																													
42				THPG-342	THPGD-342																													
38				THPG-438	THPGD-438																													
40		G1 1/4	1 1/2	THPG-440	115	90	90	45	45	THPGD-440	115	90	90	45	90																			
42				THPG-442						THPGD-442																								
45				THPG-445						THPGD-445																								
48.3	THPG-448.3			THPGD-448.3																														
50	THPG-450			THPGD-450																														
51	G1 1/2	2	THPG-451	THPGD-451																														
52			THPG-452	THPGD-452																														
55			THPG-455	THPGD-455																														
57	G2	2 1/4	THPG-457	THPGD-457																														
60.3			THPG-460.3	THPGD-460.3																														
63			THPG-463	THPGD-463																														
65			THPG-465	THPGD-465																														
70			THPG-470	THPGD-470																														
5	70	G2 1/2	3	THPG-570	152	120	122	60	60	THPGD-570	152	120	122	60	120																			
	73			THPG-573						THPGD-573																								
	75			THPG-575						THPGD-575																								
	76.1			THPG-576.1						THPGD-576.1																								
	80			THPG-580						THPGD-580																								
	82.5	G3	3 1/4	THPG-582.5						THPGD-582.5																								
	88.9			THPG-588.9						THPGD-588.9																								
	90			THPG-590						THPGD-590																								
	90	G3 1/2	4	THPG-690						205						170	168	85	80	THPGD-690	205	170	168	85	160									
	97			THPG-697																THPGD-697														
	100			THPG-6100																THPGD-6100														
101.6	THPG-6101.6			THPGD-6101.6																														
108	THPG-6108			THPGD-6108																														
114.3	G4	4 1/2	THPG-6114.3	THPGD-6114.3																														
127			THPG-6127	THPGD-6127																														
127			THPG-7127	THPGD-7127																														
7	133	G5	5 1/4	THPG-7133	250	200	205	100	90		THPGD-7133	250	200	205	100					180														
	140			THPG-7140							THPGD-7140																							
	150			THPG-7150							THPGD-7150																							
	152.4			THPG-7152.4						THPGD-7152.4																								
	159			THPG-7159						THPGD-7159																								
	165.1	G6	6 1/4	THPG-7165.1						THPGD-7165.1																								
	168.3			THPG-7168.3						THPGD-7168.3																								
	168.3			THPG-8168.3						THPGD-8168.3																								
	177.8	G8	8 5/8	THPG-8177.8						320	270					265	135	120	THPGD-8177.8		320	270	265	135	240									
	193.7			THPG-8193.7															THPGD-8193.7															
	203			THPG-8203															THPGD-8203															
219.1	THPG-8219.1			THPGD-8219.1																														
220	THPG-8220			THPGD-8220																														
219.1	G8	8 5/8	THAG-9219.1	470	410	395	205	162	THAGD-9219.1			470	410	395	205				324															
224.5			THAG-9224.5						THAGD-9224.5																									
273			THAG-9273						THAGD-9273																									
323.9	THAG-9323.9	THAGD-9323.9																																
356	G14	14	THAGD-10356						630											530						534	265	182	THAGD-10356	630	530	534	265	364
365			THAG-10365																										THAGD-10365					
406			THAG-10406							THAGD-10406																								



**LEEMIN**  
黎明液压

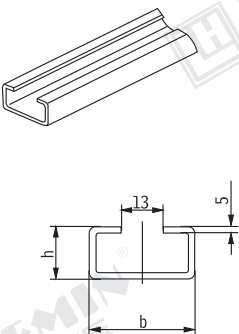
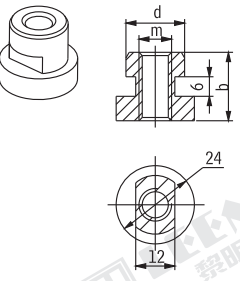
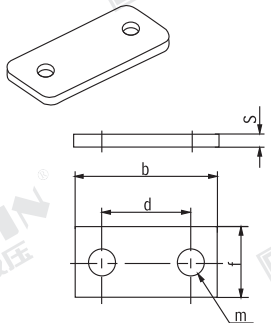
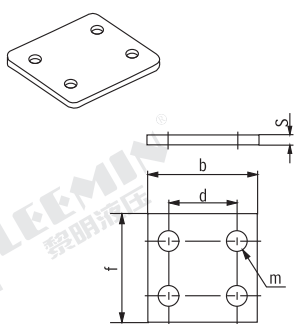
(本产品符合德国标准 DIN3015 Teil2)

																				
尺寸系列 Clamp size	焊接底板 Weld plate					双联焊接底板 Double weld plate					焊接或螺栓安装底板 Weld / screw plate									
	订货代号 Order code	尺寸系列 Clamp size					订货代号 Order code	尺寸 size					订货代号 Order code	尺寸 size						
		d	f	g	s	m		d	f	g	s	m		d	g	f	s	k	n	m
1	TH-A1	33	30	73	8	M10	THD-A1	33	60	73	8	M10	TH-B1	33	113	30	8	85	11	M10
2	TH-A2	45	30	85	8	M10	THD-A2	45	60	85	8	M10	TH-B2	45	125	30	8	97	11	M10
3	TH-A3	60	30	100	8	M10	THD-A3	60	60	100	8	M10	TH-B3	60	140	30	8	112	11	M10
4	TH-A4	90	45	140	10	M12	THD-A4	90	90	140	10	M12	TH-B4	90	190	45	10	160	14	M12
5	TH-A5	122	60	180	10	M16	THD-A5	122	123	180	10	M16	TH-B5	122	240	60	10	205	18	M16
6	TH-A6	168	80	225	15	M20	THD-A6	168	166	225	15	M20	TH-B6	168	310	80	15	270	22	M20
7	TH-A7	205	90	270	15	M24	THD-A7	205	187	270	15	M24	TH-B7	205	370	90	15	320	26	M24
8	TH-A8	265	120	340	25	M30	THD-A8	265	249	340	25	M30	TH-B8	265	450	120	25	390	33	M30
9	TH-A9	395	162	520	30	M30	THD-A9	395	329	520	30	M30	TH-B9	395	590	162	30	530	33	M30
10	TH-A10	534	182	680	30	M30	THD-A10	534	364	680	30	M30	TH-B10	534	750	182	30	690	33	M30



**LEEMIN**  
黎明液压

(本产品符合德国标准 DIN3015 Teil2)

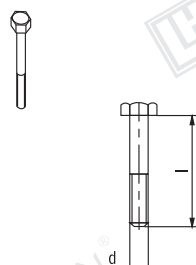
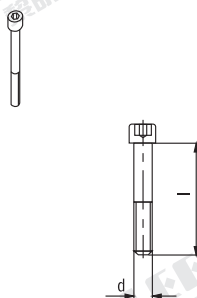
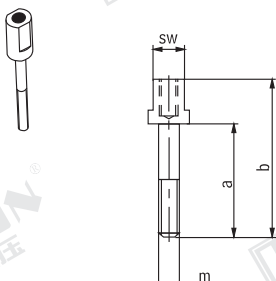
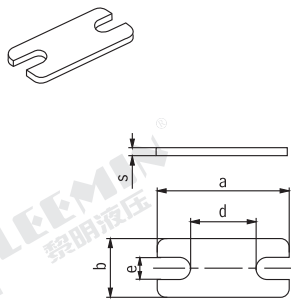
尺寸系列 Clamp size	 安装导轨 Mounting rail		 导轨螺母 Rail nut		 盖板 Cover plate		 双联盖板 Double cover plate	
	订货代号 Order code	尺寸 Size	订货代号 Order code	尺寸 Size	订货代号 Order code	尺寸 Size	订货代号 Order code	尺寸 Size
		b h		b d m		b d f s m		b d f s m
1	TH-E	40 22 (0.5米)	TH-F1	20 17.8 M10	TH-G1	55 33 30 8 11	THD-G1	55 33 60 8 11
2					TH-G2	70 45 30 8 11	THD-G2	70 45 60 8 11
3					TH-G3	85 60 30 8 11	THD-G3	85 60 60 8 11
4			TH-F4	23 19.8 M12	TH-G4	115 90 45 10 14	THD-G4	115 90 90 10 14
5					TH-G5	152 122 60 10 18	THD-G5	152 122 123 10 18
6					TH-G6	205 168 80 15 22	THD-G6	205 168 166 15 22
7					TH-G7	250 205 90 15 26	THD-G7	250 205 187 15 26
8					TH-G8	320 265 120 25 33	THD-G8	320 265 249 25 33
9					TH-G9	470 395 162 30 33	THD-G9	470 395 329 30 33
10					TH-G10	630 534 182 30 33	THD-G10	630 534 368 30 33





LEEMIN  
黎明液压

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尺寸系列 Clamp size	六角头螺栓 Hexagon head bolts (GB5782-86) d×l	内六角螺钉 Socket head screws (GB70-85) d×l	叠加螺栓 Stacking bolts				防松盖板 Locking palte						
			订货代号 Order code	尺寸 Size				订货代号 Order code	尺寸 Size				
				a	b	m	sw		a	b	s	d	e
1	M10 × 45	M10 × 45	TH-H1	25	51	M10	15	TH-L1	55	30	8	10	15.5
2	M10 × 60	M10 × 60	TH-H2	40	66	M10	15	TH-L2	70	30	8	22	15.5
3	M10 × 70	M10 × 70	TH-H3	52	78	M10	15	TH-L3	85	30	8	37	15.5
4	M12 × 105	M12 × 105	TH-H4	85	112	M12	17	TH-L4	115	45	10	63	17.5
5	M16 × 135	M16 × 135	TH-H5	110	146	M16	21	TH-L5	152	60	10	89	21.5
6	M20 × 195	M20 × 195	TH-H6	153	206	M20	27	TH-L6	205	80	15	125	27.5
7	M24 × 220	M24 × 220	TH-H7	185	245	M24	30	TH-L7	250	90	15	151	30.5
8	M30 × 300	M30 × 300	TH-H8	250	330	M30	36	TH-L8	320	120	25	205	36.5
9	M30 × 450	M30 × 450											
10	M30 × 560	M30 × 560											

本厂生产的以上系列管夹均符合德国标准DIN3015 Teil1、Teil2、Teil3