

## TWIN-SPHERE RUBBER EXPANSION JOINT WITH RING

### Theads End

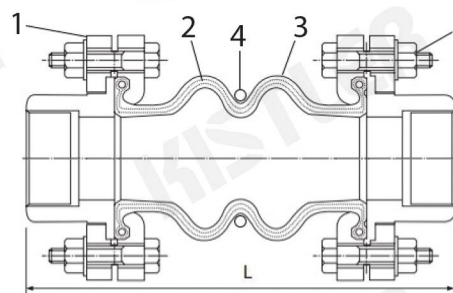
#### KISTLER Series KDT

Threaded connection flexible rubber expansion joint, also known as air condition flexible hose, it is a kind of flexible rubber joints, belongs to flexible connectors of metal pipelines. Threaded connection rubber joint composed of inner rubber layer, chinlon tyre fabrics enhancement layer and outer rubber layer, then by molding vulcanization and combine with screw thread. Inner rubber layer directly bear abrasion and corrosion of medium delivered outer rubber layer protect rubber joint from being damaged and corroded by external environmental, enhancement layer is the pressure-bearing layer, giving rubber joint strength and stiffness, the working pressure of rubber joint depends on material and structure of enhancement layer. General rubber joint's inner and outer rubber layer use EPDM, oil resistant rubber joint use NBR, Acid base resistant, high temperature resistant rubber joint use EPDM. Thread type includes internal thread and external thread, internal thread is the commonly used thread connection method. thread connection rubber joint has high elasticity, high gas tightness, medium resistant and weather resistant, widely used in water supply, steam supply, oil supply, air condition, draught fan and other pipe fittings.

#### Advantages

1. Threaded connection rubber joint has small volume and light weight.
2. Threaded connection rubber joint has good elasticity, easy to install and maintain.
3. Generate lateral, axial and angle direction displacement.
4. Reduce structure transmit noise, strong vibration absorption ability.
5. High density inside the rubber joint, be able to bear higher pressure and has better elastic deformation ability.

Fig. KDT



#### MATERIALS

ITEM NO.	DESCRIPTION	MATERIAL
1	Threads	Malleable Iron
2	Reinforcing Fabric	Nylon Fabric
3	Elastomer	Synthetic Rubber(EPDM)
4	Pressurized Ring	Steel Wire
5	Bolt Nut	Malleable Iron

#### TECHNICAL CONDITION

Model	KDT
Size I.D.	1/2" - 2"
Working Pressure	150 Psi
Burst Pressure	800 Psi
Vacuum Rating	400 mm/Hg
Temperature	-20°C to 100°C

#### TABLE OF MAIN PARAMETERS OF NORMAL CORE DIAMETER, LENGTH, DISPLACEMENT VALUE

Normal core diameter		Length (L) (mm)	Axial displacement		Lateral (mm)	Angular
(mm)	(inch.)		Compression(mm)	Extension(mm)		
15	(1/2")	200	22	6	22	45°
20	(3/4")	200	22	6	22	45°
25	(1")	200	22	6	22	45°
32	(1.1/4")	200	22	6	22	45°
40	(1.1/2")	200	22	6	22	45°
50	(2")	200	22	6	22	45°

- NOTE :**
1. Standard material is EPDM. The products are not applicable to oil. Other kinds of rubber material are optional.
  2. Union : Standard item employs BS Union with materials FB32 and FCD40. Also can supply ANSI, DIN and other standard.
  3. Applicable fluids : Water, Warm water, Sea water, Weak acids, Alkalis, etc.
  5. Tolerances for installation should not over 30% of Allowable movements.