

Solutions for Fluid Technology



STAREX® 齿面联轴器

STAREX® FLEXIBLE COUPLINGS



产品描述

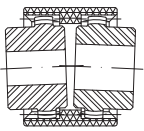
- 双面万向齿面联轴器
- 用于通用机械工程和液压领域
- 通过塑料/钢的组合达到免维护
- 可以补偿轴向, 径向, 角向安装误差
- 轴向可插拔, 装配简单
- 公制孔H7, 锥孔, 英制孔, 花键孔均可提供成孔
- 基本类型有库存

技术参数

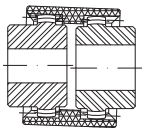
产品代码 SIZE	预制孔 PREBORE Ømm	成孔 ¹⁾ FINISH BORE ¹⁾		尺寸/DIMENSIONS mm										加长联轴器轴套 EXTENDED HUBS max. mm L ₁ + L ₂	重量 ²⁾ WEIGHT ²⁾ KG
		min	max	A	C	L	L ₁ + L ₂	E	G	F	g	h	e		
MB 14	-	6	14	40	25	50	23	4	6,5	37	M5	6	10	30	0,18
MB 24	4	10	24	52	36	56	26	4	7,5	41	M5	6	14	50	0,32
MB 28	6	12	28	66	43	84	40	4	19	46	M8	10	13	60	0,75
MB 32	8	14	32	76	50	84	40	4	18	48	M8	10	13	60	0,95
MB 38	10	18	38	83	58	84	40	4	18	48	M8	10	13	80	1,25
MB 42	-	20	42	92	65	88	42	4	19	50	M8	10	13	110	1,50
MB 48	-	20	48	100	68	104	50	4	27	50	M8	10	13	110	1,80
MB 65	-	25	65	140	96	144	70	4	36	72	M10	20	16	140	5,20
MB 80	-	30	80	175	124	190	90	6	46,5	93	M10	20	20	-	11,50

- 1) 依据ISO标准的成孔-H7, 依据DIN 6885 / 1-JS9的键槽, 以及锥孔请参考第5页
- 2) 重量是指材质为铝/铸铁, 最大d₁直径不带键槽. 当安装联轴器时, 需要注意尺寸„E”的准确. 确保两连接轴的同轴度, 可以提高联轴器的运行稳定性.

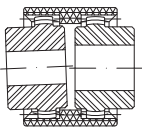
- 1) Finish bores acc. to ISO-standard H7, keyway acc. to DIN 6885, sheet 1-JS9, taper bores see page 5.
- 2) Weights refer to materials aluminium/GG with d₁ max. without keyway. When mounting the coupling, dimension „E” must be observed exactly. The stability of the coupling will be increased by careful alignment of the shafts.



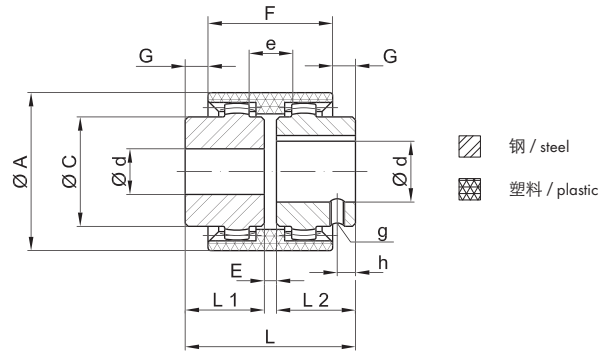
角度误差
angular misalignment



径向误差
radial misalignment



径向和角度误差
radial and angular misalignment



PRODUCT DESCRIPTION

- Double cardanic curved tooth gear coupling
- Use in general mechanical engineering and hydraulics
- Maintenance-free by combination of materials plastic/ steel
- Compensation of misalignment of shaft axial-radial-angular
- Axially pluggable - simple mounting
- Available with finish bore metric H7, taper bore and inch bore as well as toothed wheel work
- Base assortment available ex stock

TECHNICAL DATA

扭矩/速度

TORQUE / SPEED

产品代码 SIZE	扭矩 TORQUE nm		最高速度 MAX. SPEED (1/MIN)	最大允许安装误差 MAX. MISALIGNMENT		
	TKN	TK MAX.		轴向 AXIAL mm	径向 RADIAL mm	或角度方向 OR ANGULAR
MB 14	10	20	14000	± 1	± 0,3	± 1° 每个联轴器轴套 per hub
MB 24	21	42	10500	± 1	± 0,4	
MB 28	45	90	8500	± 1	± 0,4	
MB 32	60	120	7500	± 1	± 0,4	
MB 38	81	162	6700	± 1	± 0,4	
MB 42	100	200	6000	± 1	± 0,4	
MB 48	142	285	5500	± 1	± 0,4	
MB 65	380	760	4000	± 1	± 0,6	
MB 80	700	1400	3100	± 1	± 0,7	

STAREX® 产品代码 SIZE	依据ISO标准的成孔-H7, 依据DIN 6885 / 1-JS9的键槽, 表格1 FINISH BORES ACC. TO ISO-STANDARD H7, KEYWAY ACC. DIN 6885, SHEET 1																													
	8	9	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55	60	65	70	75	80
14	•		•	•	•	•																								
24			•		•	•	•	•	•	•	•	•	•																	
28					•	•	•		•	•	•	•	•	•	•															
32											•	•	•	•	•		•													
38													•	•	•	•	•	•	•	•	•									
42												•	•	•	•	•	•	•	•	•	•	•	•							
48													•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
65																						•	•	•	•	•	•	•	•	•
80																														•

• 标准长度 / Standard length ■ 标准加长长度 / Standard extended

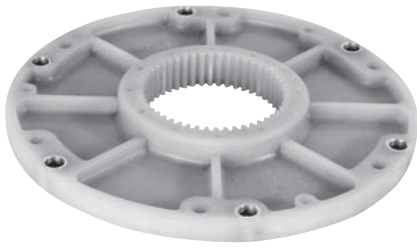
STAREX® 产品代码 SIZE	锥度 1:5 TAPER 1:5		锥度 1:8 TAPER 1:8					英制孔 INCH BORES					
	A10	B17	N/1	N1d	N/2	N/2α	N/3	Ed	A	G	F	Bs	K
14	•		•						•				
24	•	•	•	•	•	•	•		•	•	•		
28	•	•	•	•	•	•	•		•	•	•	•	
32							•						
38		•			•	•		•					•
42		•						•	•	•	•	•	•

STAREX® 齿面法兰联轴器的应用一览

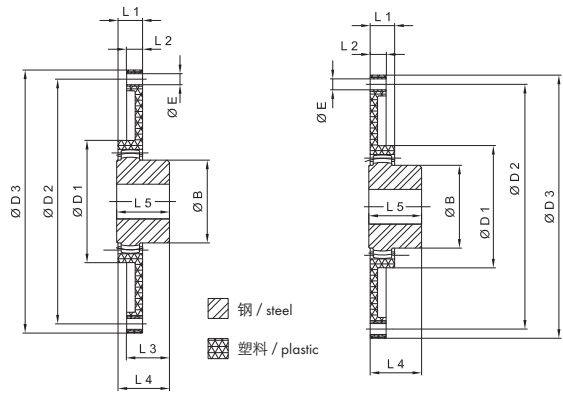
APPLICATION SCHEDULE STAREX®
FLEXIBLE FLANGE COUPLINGS
STAREX®-FL-PA

名义尺寸 NOMINAL SIZE	STAREX® 轴套 STAREX® HUB	发动机的厂家/型号 MANUFACTURERS OF MOTORS / TYPE
6 1/2"-48	MB 42/48	Ford, Hatz, KHD, Kubota, Lister Petter, Lombardini, Perkins, Ruggerini, Slanzi, Teledyne
7 1/2"-48	MB 42/48	Ford, Hatz, Isuzu, KHD, Kubota, Lister Petter, Lombardini, Mitsubishi, Perkins, Yanmar
8"-48	MB 42/48	Cummins, Ford, Hatz, Isuzu, KHD, Lister Petter, Lombardini, Mitsubishi, Perkins, Peugeot, Slanzi, Teledyne
10"-48	MB 42/48	Cummins, Deere, Ford, Hatz, Hercules, Isuzu, KHD, Kubota, Lister Petter, Lombardini, Mitsubishi, Perkins, Slanzi, Toyota
10"-65	MB 65	Caterpillar, Cummins, Detroit Diesel, Daimler Benz, Ford, Hercules, Isuzu, John Deere, KHD, Lister Petter, Perkins, Slanzi
11 1/2"-65	MB 65	Cummins, Daimler Benz, Hercules, Hino, Isuzu, Ford, KHD, Lister Petter, Perkins, Valmet
11 1/2"-80	MB 80	Caterpillar, Cummins, Daimler Benz, Deere, Detroit Diesel, Hino, KHD, Perkins, Volvo
96 mm	MB 42/48	Hatz Z 788 / 789 / 790
125 mm	MB 42/48	KHD F1L208D, 210D, F2L511, F2L912, Lister Petter LP60, LP460, Lombardini 9LD560-2, Perkins 4.108, VW 026, 068
135 mm	MB 42/48	Kubota D 650 / 750 / 850 / 950 / 1402, Kubota V 1100 / 1200 / 1102 / 1302, Kubota Super 5 Serie
150 mm	MB 42/48	Kubota Super Mini Serie
152 mm	MB 42/48	Deutz F2L511, Hatz 673, 786, 786, Hatz E573, Perkins 4.108

齿面法兰联轴器
STAREX®-FL-PA



FLEXIBLE FLANGE COUPLINGS
STAREX®-FL-PA



安装指导 1
Mounting instruction 1

安装指导 2
Mounting instruction 2

产品描述

- 法兰联轴器用于内燃机和液压泵的装配
- 应用于建筑工程机械和收割机的静液压驱动系统
- 高扭转刚度 - 运行无共振
- 通过塑料/钢的组合实现免维护
- 具有高机械强度和受热稳定性(+130 °C)的塑料法兰
- 安装长度很短
- 通过轴向固定可以方便安装

PRODUCT DESCRIPTION

- Flange couplings for assembly to combustion engines and hydraulic pumps
- Use for all hydrostatic drives of machines for structural engineering, harvesters etc.
- High torsional rigidity - operation without resonance
- Maintenance-free by combination of materials plastic / steel
- Plastic flange with high mechanical strength and temperature dimensional stability (+130 °C)
- Extremely short assembly
- Simple mounting by axial fitting

SAE 法兰 SAE FLANGES

产品代码 SIZE	安装圆 FIXING Ø	外圆 EXTERNAL Ø	孔径/数量 BORE Ø / NUMBERS	扭矩 TORQUE Nm	
				NENN	MAX.
6 1/2"-48	200,02	215,90	9 (6x)	237	599
7 1/2"-48	222,25	241,30	9 (8x)	237	599
8"-48	244,47	263,52	11 (6x)	237	599
10"-48	295,27	314,32	11 (8x)	237	599
10"-65	295,27	314,32	11 (8x)	644	1605
11 1/2"-65	333,37	352,42	11 (8x)	644	1605
11 1/2"-80	333,37	352,42	11 (8x)	1198	3006

公制法兰 METRIC FLANGES

产品代码 SIZE	安装圆 FIXING Ø	外圆 EXTERNAL Ø	孔径/数量 BORE Ø / NUMBERS
96-48	50	96	9 (4x)
125-48	100	125	9 (3x)
135-48	100	135	9 (3x)
130-48	105	130	11 (4x)
150-48	130	150	9 (5x)
152-48	122	152	12 (3x)
152-48	125	152	12 (3x)

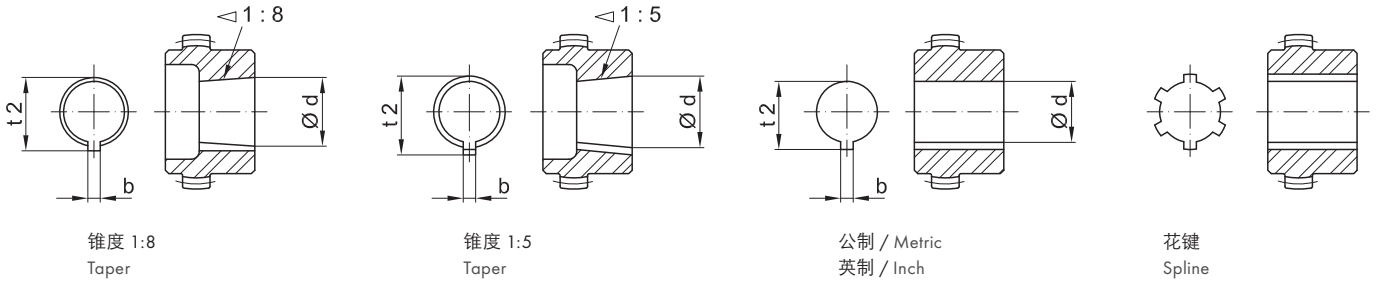
SAE 法兰的轴套尺寸

产品代码 SIZE	成孔孔径 FINISH BORE		尺寸 DIMENSIONS mm								加长轴套的最大长度 EXTENDED HUBS mm, L ₁ MAX.	按 SAE 的名义尺寸 NOMINAL SIZE ACC. TO SAE (D)				
	MIN.	MAX.	B	D ₁	L ₅	L ₃	L ₄	L ₁	L ₂	6 1/2"		7 1/2"	8"	10"	11 1/2"	
MB 42	20	42	65	100	42	33	40	20	13	110	x	x	x	x	-	
MB 48	20	48	68	100	50	41	48	20	13	110	x	x	x	x	-	
MB 65	25	65	96	132	70	60	67	27	21	140	-	-	-	x	-	
MB 65	25	65	96	170	70	60	67	31	21	140	-	-	-	-	x	
MB 80	25	80	124	170	90	78	87	30	21	-	-	-	-	-	x	

HUB DIMENSIONS FOR SAE FLANGES

孔代码

BORE CODES



锥度 / TAPER 1:8

代码 CODE	成孔尺寸 BORE DETAILS mm			
	$d\phi+0,05$	$b+0,05$	$t_2+0,1$	L
... N/1	9,7	2,4	10,7	17
... N/1c	11,6	3	12,9	16,5
... N/1e	13	2,4	13,8	21
... N/1d	14	3	15,5	17,5
... N/1b	14,3	3,2	15,7	19,5
... N/2	17,2	3,2	18,3	24
... N/2a	17,2	4	19,0	24
... N/2b	17,2	3	18,4	24
... N/3	22	4	23,5	28
... N/4	25,4	4,78	27,8	36
... N/4b	25,4	5	28,2	36
... N/4a	27	4,78	28,8	32,5
... N/4g	28,45	6	29,3	38,5
... N/5	33	6,35	35,5	44
... N/5a	33	7	35,5	44
... N/6	43,05	7,95	46,5	51
... N/6a	41,15	8	44,2	42,5

锥度 / TAPER 1:5

代码 CODE	成孔尺寸 BORE DETAILS mm			
	$d\phi+0,05$	$b \text{ js } 9$	$t_2+0,1$	l
... A 10	9,85	2	10,85	11,5
... B 17	16,85	3	18,65	18,5
... C 20	19,85	4	22,05	21,5
... Cs 22	21,95	3	23,75	21,5
... D 25	24,85	5	27,75	26,5
... E 30	29,85	6	32,45	31,5
... F 35	34,85	6	37,45	36,5
... G 40	39,85	6	42,45	41,5

英制孔 / INCH BORES

代码 CODE	公制尺寸 METRIC mm			英制尺寸 INCH	
	$d\phi$	$b+0,05$	$t_2+0,1$	$d\phi$	b
DNB	11,11 M7	2,4	12,5	$\frac{7}{16}$	$\frac{3}{32}$
V	11,11 + 0,03	3,2	12,6	$\frac{7}{16}$	$\frac{1}{8}$
Ta	12,7 + 0,03	3,2	14,3	$\frac{1}{2}$	$\frac{1}{8}$
E	15,87 + 0,03	3,2	17,5	$\frac{5}{8}$	$\frac{1}{8}$
Ed	15,87 + 0,03	4,75	18,1	$\frac{5}{8}$	$\frac{5}{16}$
ES	15,88 + 0,03	4,0	17,7	$\frac{5}{8}$	$\frac{5}{32}$
Ad	19,02 + 0,03	3,2	20,7	$\frac{3}{4}$	$\frac{1}{8}$
A	19,05 + 0,03	4,78	21,3	$\frac{3}{4}$	$\frac{3}{16}$
Gs	22,22 + 0,03	4,78	24,4	$\frac{7}{8}$	$\frac{3}{16}$
G	22,22 + 0,03	4,75	24,7	$\frac{7}{8}$	$\frac{3}{16}$
F	22,22 + 0,03	6,35	25,2	$\frac{7}{8}$	$\frac{1}{4}$
B	25,37 + 0,03	4,78	27,8	1	$\frac{3}{16}$
Bs	25,38 + 0,03	6,37	28,3	1	$\frac{1}{4}$
HS	25,4 + 0,03	6,35	28,7	1	$\frac{1}{4}$
SB	28,58 + 0,03	6,35	31,5	$1 \frac{1}{8}$	$\frac{1}{4}$
Sd	28,58 + 0,03	7,93	32,1	$1 \frac{1}{8}$	$\frac{5}{16}$
Js	31,75 + 0,03	6,35	34,6	$1 \frac{1}{4}$	$\frac{1}{4}$
J	31,75 + 0,03	7,93	34,4	$1 \frac{1}{4}$	$\frac{5}{16}$
K	31,75 M7	7,93	35,5	$1 \frac{1}{4}$	$\frac{5}{16}$
KS	31,75 + 0,03	7,93	36,6	$1 \frac{1}{4}$	$\frac{5}{16}$
M	34,92 + 0,03	7,93	38,6	$1 \frac{3}{8}$	$\frac{5}{16}$
CB	36,5 + 0,03	9,55	38,6	$1 \frac{7}{16}$	$\frac{3}{8}$
C	38,07 + 0,03	9,55	42,5	$1 \frac{1}{2}$	$\frac{3}{8}$
N	41,25 + 0,03	9,55	45,6	$1 \frac{5}{8}$	$\frac{3}{8}$
L	44,45 K7	11,11	49,4	$1 \frac{3}{4}$	$\frac{7}{16}$
NM	47,625 + 0,03	12,73	53,5	$1 \frac{7}{8}$	$\frac{1}{2}$
DS	50,77 + 0,03	12,73	56,4	2	$\frac{1}{2}$
P	53,95 + 0,03	12,73	59,6	$2 \frac{1}{8}$	$\frac{1}{2}$
U	57,1 + 0,03	12,73	62,9	$2 \frac{1}{4}$	$\frac{1}{2}$
UB	60,3 + 0,03	15,87	67,6	$2 \frac{3}{8}$	$\frac{5}{8}$
W	69,85 M7	15,875	77,3	$2 \frac{3}{4}$	$\frac{5}{8}$
WA	73,0 + 0,03	19,05	81,7	$2 \frac{7}{8}$	$\frac{3}{4}$
WD	85,725 M7	22,225	95,8	$3 \frac{3}{8}$	$\frac{7}{8}$
WE	88,9 + 0,03	22,225	98,6	$3 \frac{5}{8}$	$\frac{7}{8}$
WF	92,075 M7	22,225	101,9	$3 \frac{5}{8}$	$\frac{7}{8}$

联轴器的尺寸应该排在代码的前面: 比如 MB 28 N/2a.

DIN 和 SAE 标准的花键以及英制孔请咨询对应信息.

The size of coupling should be inserted before the code: e.g. MB 28 N/2a.





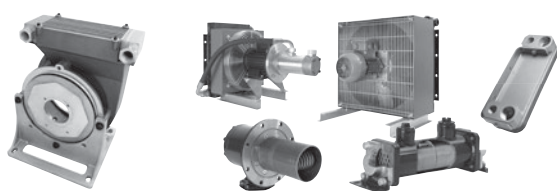


For splines acc. to DIN and SAE as well as for inch bores please ask for our separate list.

HBE 保留随时更新技术参数的权利.

HBE reserves the right to modify technical data at any time.

产品

DELIVERY PROGRAMME

<p>铝制油箱 Oil tanks made of aluminium</p>	
<p>清洗端盖和附件 液位计和温度计 Cleaning covers and further tank accessories Level- and temperature indicators</p>	
<p>油箱加热器 Tank heaters</p>	
<p>钟罩和附件 Bellhousings and accessories</p>	
<p>带冷却器的钟罩 各类换热器 DOC® 钎焊板式换热器 Bellhousing with oil-cooler Heat exchangers DOC® Brazed plate heat exchanger</p>	
<p>SOFTEX® 弹性和无齿隙联轴器 SOFTEX® elastic and no backlash shaft couplings</p>	
<p>STAREX® 齿面联轴器 STAREX® flexible couplings</p>	
<p>内燃机联轴器 Diesel engine couplings</p>	

distributed by

HBE fluid equipment

上海新洁流体科技有限公司
联系人：袁建红 经理
电话：13918089112
邮箱：yuanjianhong@vip.sina.com



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