

GAL

Low duty

- **Standard series without bush according to DIN808**
- Max. misalignment angle 45°
- Materials:
 - PR80 steel (non-weldable)
- Maximum speed 800 rpm



Applications

- For low rotation speeds
- For low load applications (e.g. valve, valve control, blinds, etc...)

Option

- Bore modification, keyway

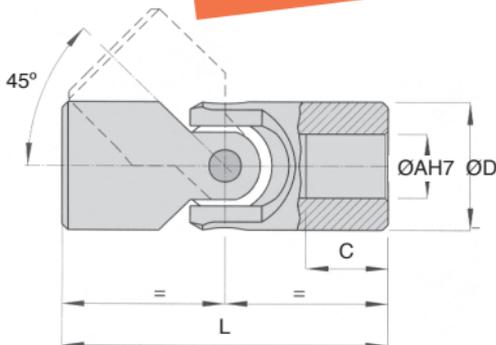
Accessory

- Don't forget the cover trim **M** (tome 2 p.96)

Modifiable bore



Economy series



Angle	Factor
5°	1,25
10°	1,00
20°	0,75
30°	0,45
40°	0,30

Effect of the working angle

The torques indicated correspond to an angle of 10°. They should therefore be weighted with the factors opposite as a function of the working angle.

e.g: 100Nm to transmit to 20°
Calculation: $100/0,75=133,33$

DISCOUNTS

Qty	1+	2+	4+	10+
Disc.	Price	-6%	-12%	On request

Part number	ØD	ØA	C	L	Torques (Nm)								Stock*	Price each
					at 100 rpm	at 200 rpm	at 300 rpm	at 400 rpm	at 500 rpm	at 700 rpm	at 800 rpm			
G00-AL-5/5	10	5	13	40	7,1	6,5	5,4	4,9	4,5	-	-	✓	28,71 €	
G01-AL-6/6	13	6	13	40	8,5	8,5	6,8	6,2	5,7	-	-	✓	26,80 €	
G02-AL-8/8	16	8	10	40	16,9	11,7	10,4	9,1	7,8	6,7	6,1	✓	26,80 €	
G03-AL-10/10	20	10	10	45	32,5	22,1	19,5	15,6	14,3	13,0	9,1	✓	26,80 €	
G04-AL-12/12	25	12	11	50	58,5	32,5	27,3	20,8	18,2	14,3	11,7	✓	29,40 €	
G05-AL-14/14	29	14	13	56	91,0	58,5	52,0	42,9	39,0	33,8	28,6	-	30,23 €	
G1-AL-16/16	32	16	15	65	114,4	110,5	93,6	71,5	65,0	55,9	44,2	-	32,09 €	

*Dimensions in mm

Low duty

GDAL

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- Max. misalignment angle 45°
- Materials :
PR80 steel (non-weldable)
- Maximum speed 800 rpm



Applications

- For low rotation speeds
- For low load applications (e.g: valve, valve control, blinds, etc...)

Option

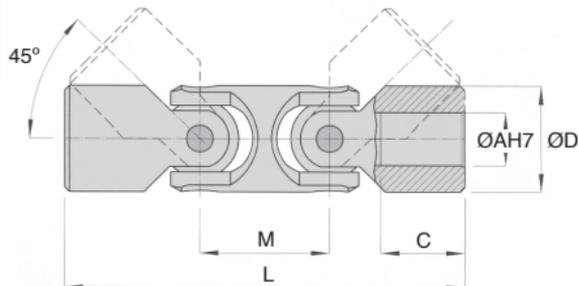
- Bore modification, keyway

Accessory

- Don't forget the cover trim M (tome 2 p.96)

Economy series

Modifiable bore



Angle Factor

5°	1,25
10°	1,00
20°	0,75
30°	0,45
40°	0,30

Effect of the working angle

The torques indicated correspond to an angle of 10°. They should therefore be weighted with the factors opposite as a function of the working angle.

e.g: 100Nm to transmit to 20°
Calculation: $100/0,75=133,33$

DISCOUNTS

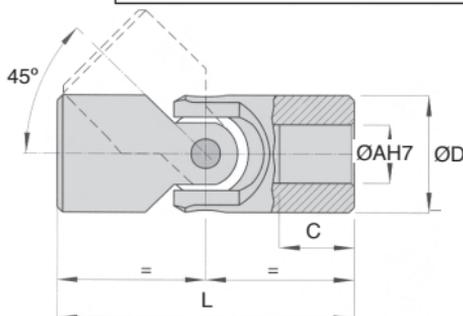
Qty	1+	2+	4+
Disc.	Price	-6%	On request

Part number	Bore			Torques (Nm)								Price each		
	ØD	ØA	C	at 100 at 200		at 300 at 400		at 500 at 700		at 800			Stock*	
				M	rpm	rpm	rpm	rpm	rpm	rpm	rpm	rpm		
GD01-AL-6/6	13	6	13	63	23	8,5	8,5	6,8	6,2	5,7	-	-	✓	52,49 €
GD02-AL-8/8	16	8	10	67	27	16,9	11,7	10,4	9,1	7,8	6,7	6,1	✓	52,49 €
GD03-AL-10/10	20	10	10	74	29	32,5	22,1	19,5	15,6	14,3	13,0	9,1	✓	53,43 €
GD04-AL-12/12	22	12	11	74	29	58,5	32,5	27,3	20,8	18,2	14,3	11,7	✓	53,43 €
GD05-AL-14/14	25	14	13	85	33	91,0	58,5	52,0	42,9	39,0	33,8	28,6	-	60,25 €
GD1-AL-16/16	29	16	19	100	35	114,4	110,5	93,6	71,5	65,0	55,9	44,2	✓	63,25 €
GD2-AL-18/18	32	18	20	112	39	208,0	156,0	130,0	88,4	75,4	70,2	-	-	77,81 €

*Dimensions in mm

G Industrial range

- Standard series in accordance with DIN 808-7551
- Smooth hardened bushes
- Suitable for speeds up to 800 rpm
- Max. misalignment angle 45°
- Materials:
 - Body: C45 steel
 - Pin: Hardened steel 18NCD4



Accessories

- Optional rubber cover

Modifiable bore



Angle	Factor
5°	1,25
10°	1,00
20°	0,75
30°	0,45
40°	0,30

Effect of operating angle

The torques below are given for a 10° angle. For other angles, the appropriate factor from this table should be applied.

E.g. For 100Nm to be transmitted at 20°, the corrected value of torque becomes $100/0.75 = 133$ Nm and a joint should be chosen that can transmit 133Nm at the required speed.

DISCOUNTS

Qty	1+	2+	4+	10+
Disc.	List -6%	-12%	On request	

Part number	ØD	ØA	C	L	Torque (Nm)						Stock*	Price each	
					at 100 rpm	at 200 rpm	at 300 rpm	at 400 rpm	at 500 rpm	at 700 rpm			at 800 rpm
G01-A-6/6	16	6	9	34	-	-	-	-	-	-	-	✓	29,80 €
G02-A-8/8	16	8	11	40	-	-	-	-	-	-	-	✓	29,80 €
G03-A-10/10	20	10	10	45	32,5	22,1	18,8	16,9	15,6	14,3	9,7	✓	30,98 €
G04-A-12/12	25	12	11	50	55,9	32,5	26,6	22,1	20,1	16,9	15,6	✓	33,82 €
G05-A-14/14	29	14	13	56	89,1	55,9	51,3	46,8	43,5	37,1	34,4	✓	35,93 €
G1-A-16/16	32	16	15	65	112,4	109,2	93,6	74,7	66,9	53,3	46,8	✓	37,13 €
G2-A-18/18	37	18	17	72	202,8	156,0	124,8	93,6	78,0	62,4	-	✓	43,12 €
G3-A-20/20	40	20	19	82	312,0	218,4	156,0	124,8	109,2	78,0	-	✓	50,97 €
G4-A-22/22	47	22	22	95	390,0	249,6	187,2	156,0	124,8	93,6	-	✓	61,17 €
G5-A-25/25	50	25	26	108	499,2	312,0	218,4	187,2	156,0	124,8	-	✓	72,11 €
G6-A-30/30	58	30	30	122	561,6	343,2	249,6	202,8	171,6	-	-	✓	92,32 €
G61-A-32/32	63	32	30	130	561,6	343,2	249,6	202,8	171,6	-	-	-	On request
G7-A-35/35	70	35	35	140	592,8	390,0	296,4	226,2	187,2	-	-	-	On request
G8-A-40/40	80	40	42	160	655,2	436,8	343,2	280,8	-	-	-	-	On request
G9-A-50/50	95	50	54	190	936,0	624,0	436,8	343,2	-	-	-	-	On request

*Depending on availability - Dimensions in mm

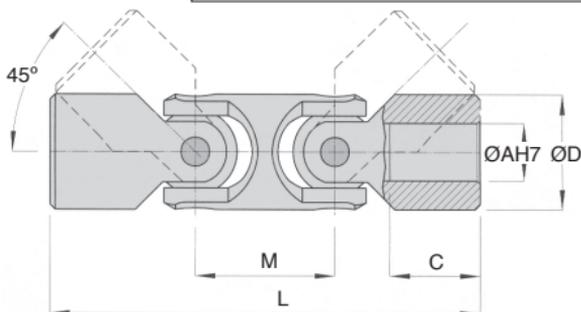
- Standard series in accordance with DIN 808-7551
- Smooth hardened bushes
- Suitable for speeds up to 800 rpm
- Max. misalignment angle 45°
- Materials:
 - Body: C45 steel
 - Pin: Hardened steel 18NCD4



Accessories

- Optional rubber cover

Modifiable bore



Angle	Factor
5°	1,25
10°	1,00
20°	0,75
30°	0,45
40°	0,30

Effect of operating angle

The torques below are given for a 10° angle. For other angles, the appropriate factor from this table should be applied.

E.g. For 100Nm to be transmitted at 20°, the corrected value of torque becomes $100/0.75 = 133$ Nm and a joint should be chosen that can transmit 133Nm at the required speed.

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-6%	On request

Part number	ØD	ØA	C	M	L	Torque (Nm)								Price each	
						at 100 rpm	at 200 rpm	at 300 rpm	at 400 rpm	at 500 rpm	at 700 rpm	at 800 rpm	Stock*		
GD01-A-6/6	16	6	9	27	61	-	-	-	-	-	-	-	-	✓	59,74 €
GD02-A-8/8	16	8	11	27	67	-	-	-	-	-	-	-	-	✓	59,74 €
GD03-A-10/10	20	10	10	30	75	-	-	-	-	-	-	-	-	✓	62,71 €
GD04-A-12/12	22	12	11	29	74	32,5	22,1	18,8	16,9	15,6	14,3	9,7	-	✓	62,71 €
GD05-A-14/14	25	14	13	33	85	55,9	32,5	26,6	22,1	20,1	16,9	15,6	-	✓	70,24 €
GD1-A-16/16	29	16	19	35	100	89,1	55,9	51,3	46,8	43,5	37,1	34,4	-	✓	75,01 €
GD2-A-18/18	32	18	20	39	112	112,4	109,2	93,6	74,7	66,9	53,3	46,8	-	✓	90,43 €
GD3-A-20/20	40	20	19	46	128	312,0	218,4	156,0	124,8	109,2	78,0	-	-	✓	99,86 €
GD4-A-22/22	40	22	25	48	145	312,0	218,4	156,0	124,8	109,2	78,0	-	-	-	133,94 €
GD5-A-25/25	50	25	24	59	163	499,2	312,0	218,4	187,2	156,0	124,8	-	-	✓	163,71 €
GD6-A-30/30	58	30	28	66	182	561,6	343,2	249,6	202,8	171,6	-	-	-	-	194,49 €
GD61-A-32/32	63	32	30	84	198	561,6	343,2	249,6	202,8	171,6	-	-	-	-	On request
GD7-A-35/35	70	35	32	78	212	592,8	390,0	296,4	226,2	187,2	-	-	-	-	On request
GD8-A-40/40	80	40	38	95	245	655,2	436,8	343,2	280,8	-	-	-	-	-	On request
GD9-A-50/50	95	50	50	120	290	936,0	624,0	436,8	343,2	-	-	-	-	-	On request

*Depending on availability - Dimensions in mm

Single needle roller universal joint

H Industrial range

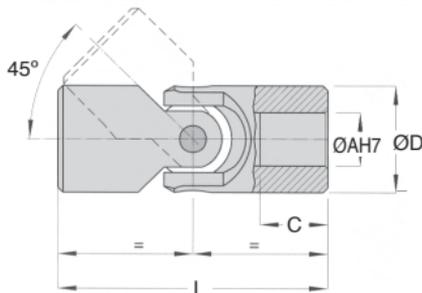
- **Standard series**
- **Needle bearings**
- Suitable for speeds up to 4000 rpm
- Max. misalignment angle 45°
- **Materials:**
Body: C45 steel
Pin: Hardened steel 18NCD4

Uses

- High speed applications

Accessories

- Optional rubber cover



Modifiable bore



High speed applications

Angle	Factor
5°	1,25
10°	1,00
20°	0,75
30°	0,45
40°	0,30

Effect of operating angle

The torques below are given for a 10° angle. For other angles, the appropriate factor from this table should be applied. E.g. For 100Nm to be transmitted at 20°, the corrected value of torque becomes $100/0.75 = 133$ Nm and a joint should be chosen that can transmit 133Nm at the required speed.

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-6%	On request

Part number	ØD	ØA	C	L	Torque (Nm)						Stock*	Price each
					at 250 rpm	at 500 rpm	at 1000 at 2000 rpm	at 3000 rpm	at 4000 rpm			
H02-A-8/8	16	8	15	52	-	-	-	6,9	-	-	✓	56,65 €
H03-A-10/10	20	10	18	62	26,4	20,4	16,8	13,2	12,0	10,8	✓	50,97 €
H05-A-14/14	25	14	20	74	40,8	34,8	28,8	26,4	24,0	21,6	✓	50,97 €
H1-A-16/16	32	16	24	86	78,0	66,0	54,0	48,0	44,4	38,4	✓	56,65 €
H2-A-18/18	37	18	17	72	90,0	73,2	60,0	54,0	48,0	43,2	✓	59,60 €
H3-A-20/20	40	20	30	108	168,0	144,0	120,0	96,0	84,0	78,0	✓	67,99 €
H4-A-22/22	47	22	22	95	194,4	158,4	129,6	105,6	92,4	85,2	✓	79,11 €
H5-A-25/25	50	25	38	132	240,0	204,0	156,0	132,0	108,0	102,0	✓	87,82 €
H6-A-30/30	63	30	45	166	360,0	324,0	276,0	228,0	192,0	168,0	-	113,09 €
H61-A-32/32	63	32	45	166	360,0	324,0	276,0	228,0	192,0	168,0	-	On request
H7-A-35/35	70	35	35	140	391,2	332,4	284,4	237,6	201,6	-	-	On request
H8-A-40/40	80	40	50	180	438,0	363,6	306,0	246,0	223,2	-	-	On request
H9-A-50/50	95	50	54	190	482,4	402,0	330,0	270,0	237,6	-	-	On request

*Depending on availability - Dimensions in mm



Double needle roller universal joint

Industrial range

HD

- Standard series
- Needle bearings
- Suitable for speeds up to 4000 rpm
- Max. misalignment angle 45°
- Materials:
 - Body: C45 steel
 - Pin: Hardened steel 18NCD4



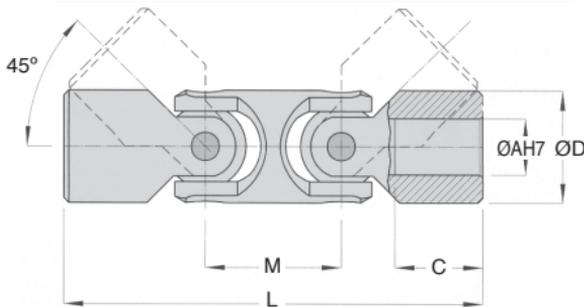
Uses

- High speed applications

Accessories

- Optional rubber cover

Modifiable bore



Angle	Factor
5°	1,25
10°	1,00
20°	0,75
30°	0,45
40°	0,30

Effect of operating angle

The torques below are given for a 10° angle. For other angles, the appropriate factor from this table should be applied. E.g. For 100Nm to be transmitted at 20°, the corrected value of torque becomes $100/0.75 = 133 \text{ Nm}$ and a joint should be chosen that can transmit 133Nm at the required speed.

High speed applications

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-6%	On request

Part number	ØD	ØA	C	M	L	Torque (Nm)				Price each			
						at 250 rpm	at 500 rpm	at 1000 rpm	at 2000 rpm		at 3000 rpm	at 4000 rpm	
HD03-A-10/10	20	10	18	26	88	26,4	20,4	16,8	13,2	12,0	10,8	✓	153,07 €
HD05-A-14/14	25	14	19	33	104	40,8	34,8	28,8	26,4	24,0	21,6	✓	120,05 €
HD1-A-16/16	32	16	24	39	125	78,0	66,0	54,0	48,0	44,4	38,4	✓	120,05 €
HD3-A-20/20	40	20	30	48	156	168,0	144,0	120,0	96,0	84,0	78,0	✓	162,02 €
HD5-A-25/25	50	25	37	59	188	240,0	204,0	156,0	132,0	108,0	102,0	✓	192,91 €
HD6-A-30/30	63	30	41	80	238	360,0	324,0	276,0	228,0	192,0	168,0	✓	217,91 €
HD61-A-32/32	63	32	41	80	238	360,0	324,0	276,0	228,0	192,0	168,0	-	On request
HD7-A-35/35	70	35	30	78	212	391,2	332,4	284,4	237,6	201,6	-	-	On request
HD8-A-40/40	80	40	48	120	290	438,0	363,6	306,0	246,0	223,2	-	-	On request
HD9-A-50/50	95	50	50	120	290	482,4	402,0	330,0	270,0	237,6	-	-	On request

*Depending on availability - Dimensions in mm

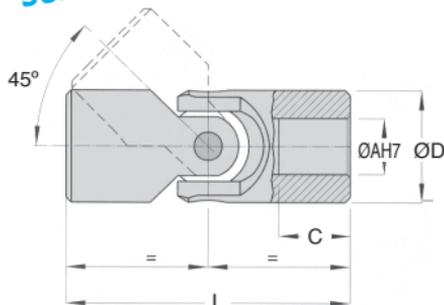
JCSss

Low duty

- Stainless steel range
- No bush
- Suitable for speeds up to 800 rpm
- Max. angle of misalignment 45°
- Material:
Stainless steel X5CrNi1810



stainless steel



Uses

- Food and pharmaceutical industries

Accessories

- Optional rubber cover
M (tome 2 p.96)

Modifiable bore



Angle	Factor
5°	1,25
10°	1,00
20°	0,75
30°	0,45
40°	0,30

Effect of operating angle

The torques below are given for a 10° angle. For other angles, the appropriate factor from this table should be applied. E.g. For 10Nm to be transmitted at 20°, the corrected value of torque becomes $10/0.75 = 13.3$ Nm and a joint should be chosen that can transmit 13.3Nm at the required speed.

DISCOUNTS

Qty	1+	2+	4+	10+
Disc.	List	-6%	-12%	On request

Part number	ØD	ØA	C	L	Torque (Nm)								Stock*	Price each
					at 100 rpm	at 200 rpm	at 300 rpm	at 400 rpm	at 500 rpm	at 700 rpm	at 800 rpm			
JCS00/SS	10	5	15	44	5,4	4,9	4,2	3,7	3,4	-	-	✓	47,46 €	
JCS01/SS	13	6	18	50	6,6	6,6	5,2	4,8	4,3	-	-	✓	43,48 €	
JCS02/SS	16	8	19	58	12,9	9,0	7,9	6,9	6,0	5,1	4,6	✓	43,48 €	
JCS03/SS	22	10	25	76	18,4	12,4	10,5	9,6	8,7	7,8	5,2	✓	43,48 €	
JCS04/SS	25	12	29	86	31,5	18,9	15,0	12,0	10,9	9,4	8,7	✓	49,42 €	
JCS05/SS	29	14	30	90	49,5	31,9	28,9	26,4	24,4	19,9	18,9	✓	51,41 €	
JCS06/SS	32	16	30	95	67,5	63,0	52,9	42,0	37,9	30,0	25,9	✓	53,37 €	
JCS07/SS	37	18	35	108	114,0	90,0	69,9	52,9	43,9	34,9	-	-	63,28 €	
JCS08/SS	40	20	32	108	175,5	126,0	87,9	69,9	61,9	43,9	-	✓	69,22 €	
JCS09/SS	47	22	38	127	219,0	144,0	105,0	87,9	69,9	52,9	-	-	87,07 €	
JCS10/SS	50	25	44	140	288,0	180,0	126,0	108,0	90,0	72,0	-	✓	102,96 €	
JCS11/SS	58	30	58	178	324,0	198,0	144,0	117,0	99,0	-	-	✓	134,64 €	

*Depending on availability - Dimensions in mm

- **Stainless steel range**
- No bush
- Suitable for speeds up to 800 rpm
- Max. angle of misalignment 90°
- Material:
Stainless steel X5CrNi1810



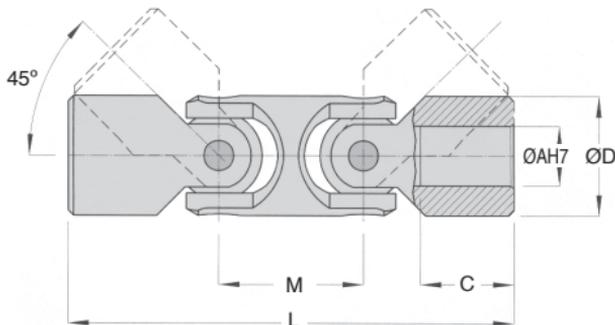
Uses

- Food and pharmaceutical industries

Accessories

- Optional rubber cover
M (tome 2 p.96)

Modifiable bore



Angle Factor

Angle	Factor
5°	1,25
10°	1,00
20°	0,75
30°	0,45
40°	0,30

Effect of operating angle

The torques below are given for a 10° angle. For other angles, the appropriate factor from this table should be applied. E.g. For 10Nm to be transmitted at 20°, the corrected value of torque becomes $10/0.75 = 13.3$ Nm and a joint should be chosen that can transmit 13.3Nm at the required speed.

DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-6%	On request

Part number	ØD	ØA	C	M	L	Torque (Nm)								Stock*	Price each
						at 100 rpm	at 200 rpm	at 300 rpm	at 400 rpm	at 500 rpm	at 700 rpm	at 800 rpm			
JCD04/SS	22	12	25	29	105	18,4	12,4	10,5	9,6	8,7	7,8	5,2	✓	84,66 €	
JCD05/SS	25	14	29	33	119	31,5	18,9	15,0	12,0	10,9	9,4	8,7	✓	87,93 €	
JCD06/SS	29	16	30	35	125	49,5	31,9	28,9	26,4	24,4	19,9	18,9	✓	91,50 €	
JCD07/SS	32	18	30	39	134	67,5	63,0	52,9	42,0	37,9	30,0	25,9	-	108,43 €	
JCD08/SS	40	20	32	46	154	175,5	126,0	87,9	69,9	61,9	43,9	-	✓	118,54 €	
JCD09/SS	40	22	38	46	173	175,5	126,0	87,9	69,9	61,9	43,9	-	-	148,98 €	
JCD10/SS	50	25	44	59	199	288,0	180,0	126,0	108,0	90,0	72,0	-	-	176,23 €	
JCD11/SS	58	30	58	66	244	324,0	198,0	144,0	117,0	99,0	-	-	-	231,10 €	

*Depending on availability - Dimensions in mm

Single needle universal joint **stainless steel**



Hss

Heavy duty **DIN808-7551**

- Standard series stainless steel version

- Needle bearings
- Max. misalignment angle 45°
- Material:
Stainless steel X5CrNi1810,
Stainless steel bearing X20Cr13
- Maximum speed 3600 rpm

Applications

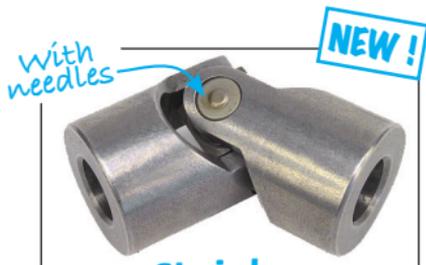
- For high rotational speeds
- For applications requiring low backlash
- Pharmaceutical and food industries

Option

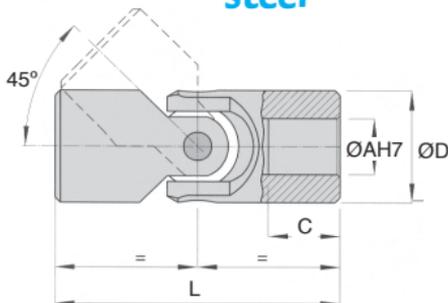
- Bore modification, keyway

Accessory

- Don't forget the cover trim M (tome 222 p.96)



Stainless steel



Modifiable bore



Angle Factor

5°	1,25
10°	1,00
20°	0,75
30°	0,45
40°	0,30

Effect of the working angle

The torques shown are for an angle of 10°.

They should therefore be weighted with the factors opposite as a function of the working angle.

e.g: 100Nm to be transmitted at 20°
calculation: $100/0,75=133,33$

DISCOUNTS

Qty	1+	2+	4+
Disc. Price	-15%		On request

Part number	ØD	ØA	C	L	Torques (Nm)						Price each
					at 250 rpm	at 500 rpm	at 1000 rpm	at 2000 rpm	at 3000 rpm	at 4000 rpm	
H03-A-10/10/SS	20	10	18	62	21,12	16,32	13,44	10,56	9,60	8,64	102,72 €
H05-A-14/14/SS	25	14	20	74	32,64	27,84	23,04	21,12	19,20	17,28	102,72 €
H1-A-16/16/SS	32	16	24	86	62,40	52,80	43,20	38,40	35,52	30,72	113,71 €
H3-A-20/20/SS	40	20	30	108	134,40	115,20	96,00	76,80	67,20	62,40	137,23 €
H5-A-25/25/SS	50	25	38	132	192,00	163,20	124,80	105,60	86,40	81,60	176,10 €
H6-A-30/30/SS	63	30	45	166	288,00	259,20	220,80	182,40	153,60	134,40	227,44 €

Dimensions in mm



Double needle universal joint stainless steel

Heavy duty DIN808-7551

HDss

- Série standard version inox
- Needle bearings
- Max. misalignment angle 45°
- Material:
Stainless steel X5CrNi1810,
Stainless steel bearing X20Cr13
- Maximum speed 3600 rpm

Applications

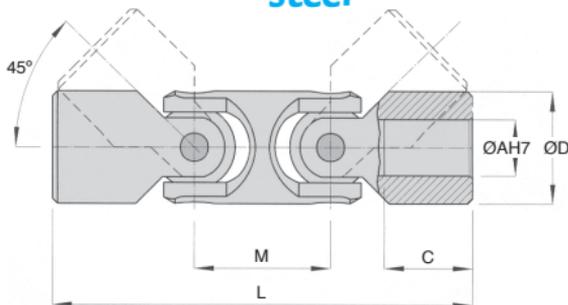
- For high rotational speeds
- For applications requiring low backlash
- Pharmaceutical and food industries

Options

- Bore modification, keyway

Accessory

- Don't forget the cover trim M (tome 222 p.96)



Modifiable bore



Angle Factor

Angle	Factor
5°	1,25
10°	1,00
20°	0,75
30°	0,45
40°	0,30

Effect of the working angle

The torques shown are for an angle of 10°.

They should therefore be weighted with the factors opposite as a function of the working angle.

e.g: 100Nm to be transmitted at 20°
calculation: $100/0,75=133,33$

DISCOUNTS

Qty Disc.	1+	2+	4+
Price	-15%	-15%	On request

Part number	ØD	ØA	C	M	L	Torques (Nm)						Price each
						at 250 rpm	at 500 rpm	at 1000 rpm	at 2000 rpm	at 3000 rpm	at 4000 rpm	
HD03-A-10/10/SS	20	10	18	26	88	21,12	16,32	13,44	10,56	9,60	8,64	205,47 €
HD05-A-14/14/SS	25	14	19	33	104	32,64	27,84	23,04	21,12	19,20	17,28	205,47 €
HD1-A-16/16/SS	32	16	24	39	125	62,40	52,80	43,20	38,40	35,52	30,72	227,44 €
HD3-A-20/20/SS	40	20	30	48	156	134,40	115,20	96,00	76,80	67,20	62,40	274,47 €
HD5-A-25/25/SS	50	25	37	59	188	192,00	163,20	124,80	105,60	86,40	81,60	352,20 €
HD6-A-30/30/SS	63	30	41	80	238	288,00	259,20	220,80	182,40	153,60	134,40	454,88 €

Dimensions in mm

CT

Industrial range

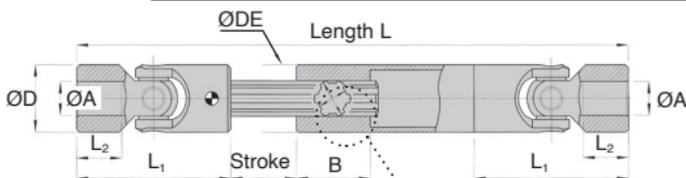
- **Standard series**
- Smooth hardened bushes
- Suitable for speeds up to 800 rpm
- Max. angle of misalignment 45°
- Materials:

Body: C45 steel
Pin: Hardened steel 18NCD4

- For transmissible torques, **GD** (tome 2 p.85)

Accessories

- Optional rubber cover M (tome 2 p.96)



Modifiable bore



DISCOUNTS

Qty	1+	2+	4+
Disc.	List	-6%	On request

Part number	L		ØA (H7)	ØD	L1	L2	B	Stroke	E	F	ØDE	Stock*	Price each
	min/	max											
CT10-130/150	130/150	10	22	45	10	40	20	11	14	22	✓	172,57 €	
CT10-140/170	140/170	10	22	45	10	40	30	11	14	22	✓	172,57 €	
CT10-160/200	160/200	10	22	45	10	40	40	11	14	22	✓	172,57 €	
CT10-170/230	170/230	10	22	45	10	40	60	11	14	22	✓	172,57 €	
CT10-180/240	180/240	10	22	45	10	40	60	11	14	22	-	172,57 €	
CT10-230/330	230/330	10	22	45	10	40	100	11	14	22	✓	172,57 €	
CT12-140/170	140/170	12	25	50	11	45	30	13	16	26	✓	182,33 €	
CT12-160/200	160/200	12	25	50	11	45	40	13	16	26	-	182,33 €	
CT12-180/225	180/225	12	25	50	11	45	45	13	16	26	-	182,33 €	
CT12-200/270	200/270	12	25	50	11	45	70	13	16	26	✓	182,33 €	
CT12-220/300	220/300	12	25	50	11	45	80	13	16	26	-	182,33 €	
CT12-250/355	250/355	12	25	50	11	45	105	13	16	26	✓	182,33 €	
CT12-280/420	280/420	12	25	50	11	45	140	13	16	26	✓	182,33 €	
CT12-300/450	300/450	12	25	50	11	45	150	13	16	26	✓	182,33 €	
CT14-160/190	160/190	14	29	56	13	45	30	13	16	29	-	188,17 €	
CT14-170/200	170/200	14	29	56	13	45	30	13	16	29	✓	188,17 €	
CT14-180/220	180/220	14	29	56	13	45	40	13	16	29	✓	188,17 €	
CT14-210/280	210/280	14	29	56	13	45	70	13	16	29	-	188,17 €	
CT14-220/300	220/300	14	29	56	13	45	80	13	16	29	-	188,17 €	
CT14-250/350	250/350	14	29	56	13	45	100	13	16	29	✓	188,17 €	
CT14-280/420	280/420	14	29	56	13	45	140	13	16	29	-	188,17 €	
CT14-300/450	300/450	14	29	56	13	45	150	13	16	29	-	188,17 €	
CT14-350/550	350/550	14	29	56	13	45	200	13	16	29	-	193,55 €	
CT14-400/650	400/650	14	29	56	13	45	250	13	16	29	✓	193,55 €	

*Depending on availability - Dimensions in mm

Part number	L min/ max	ØA (H7)	ØD	L1	L2	B	Stroke	E	F	ØDE	Stock*	Price each
CT16-180/210	180/210	16	32	65	15	45	30	16	20	32	-	193,86 €
CT16-190/220	190/220	16	32	65	15	45	30	16	20	32	-	193,86 €
CT16-210/250	210/250	16	32	65	15	45	40	16	20	32	-	193,86 €
CT16-240/320	240/320	16	32	65	15	45	80	16	20	32	✓	193,86 €
CT16-250/350	250/350	16	32	65	15	45	100	16	20	32	✓	193,86 €
CT16-275/390	275/390	16	32	65	15	45	115	16	20	32	-	193,86 €
CT16-300/430	300/430	16	32	65	15	45	130	16	20	32	-	193,86 €
CT16-380/590	380/590	16	32	65	15	45	210	16	20	32	-	199,27 €
CT16-400/630	400/630	16	32	65	15	45	230	16	20	32	✓	204,67 €
CT18-195/225	195/225	18	37	72	17	45	30	16	20	37	-	217,80 €
CT18-230/280	230/280	18	37	72	17	45	50	16	20	37	-	217,80 €
CT18-250/320	250/320	18	37	72	17	45	70	16	20	37	-	217,80 €
CT18-270/370	270/370	18	37	72	17	45	100	16	20	37	-	217,80 €
CT18-290/400	290/400	18	37	72	17	45	110	16	20	37	-	217,80 €
CT18-300/415	300/415	18	37	72	17	45	115	16	20	37	-	217,80 €
CT18-400/620	400/620	18	37	72	17	45	220	16	20	37	-	228,60 €
CT18-500/820	500/820	18	37	72	17	45	320	16	20	37	-	239,41 €
CT20-220/250	220/250	20	40	82	19	45	30	18	22	40	✓	222,55 €
CT20-250/300	250/300	20	40	82	19	45	50	18	22	40	✓	228,30 €
CT20-270/340	270/340	20	40	82	19	45	70	18	22	40	-	222,55 €
CT20-290/380	290/380	20	40	82	19	45	90	18	22	40	✓	222,55 €
CT20-320/440	320/440	20	40	82	19	45	120	18	22	40	-	222,55 €
CT20-380/560	380/560	20	40	82	19	45	180	18	22	40	✓	227,97 €
CT20-420/640	420/640	20	40	82	19	45	220	18	22	40	-	233,38 €
CT20-500/800	500/800	20	40	82	19	45	300	18	22	40	✓	238,79 €
CT22-250/280	250/280	22	47	95	22	48	30	21	25	47	-	282,50 €
CT22-270/320	270/320	22	47	95	22	48	50	21	25	47	-	282,50 €
CT22-290/350	290/350	22	47	95	22	48	60	21	25	47	-	282,50 €
CT22-330/430	330/430	22	47	95	22	48	100	21	25	47	-	282,50 €
CT22-350/470	350/470	22	47	95	22	48	120	21	25	47	-	282,50 €
CT22-470/710	470/710	22	47	95	22	48	240	21	25	47	-	298,69 €
CT25-270/320	270/320	25	50	108	26	48	50	23	28	47	-	319,14 €
CT25-295/350	295/350	25	50	108	26	48	55	23	28	47	-	319,14 €
CT25-310/375	310/375	25	50	108	26	48	65	23	28	47	-	319,14 €
CT25-350/450	350/450	25	50	108	26	48	100	23	28	47	-	319,14 €
CT25-380/500	380/500	25	50	108	26	48	120	23	28	47	-	319,14 €
CT25-420/590	420/590	25	50	108	26	48	170	23	28	47	-	319,14 €
CT25-460/660	460/660	25	50	108	26	48	200	23	28	47	-	319,14 €
CT25-500/745	500/745	25	50	108	26	48	245	23	28	47	✓	319,14 €
CT30-320/390	320/390	30	58	122	30	50	70	26	32	60	-	On request
CT30-350/420	350/420	30	58	122	30	50	70	26	32	60	-	On request
CT30-370/455	370/455	30	58	122	30	50	85	26	32	60	-	On request
CT30-400/510	400/510	30	58	122	30	50	110	26	32	60	-	On request
CT30-450/620	450/620	30	58	122	30	50	170	26	32	60	-	On request
CT30-500/720	500/720	30	58	122	30	50	220	26	32	60	-	On request
CT30-540/795	540/795	30	58	122	30	50	255	26	32	60	-	On request

*Depending on availability - Dimensions in mm

Telescopic universal joint **stainless steel**



CTss

Low duty

- Standard series stainless steel version

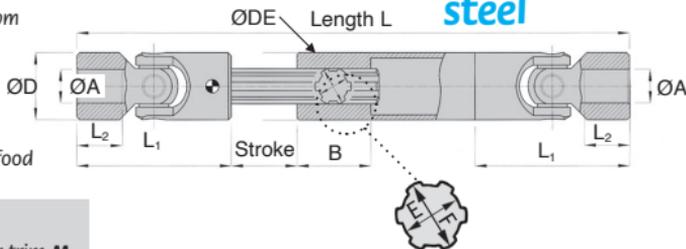
- Plain bearings
- Max. misalignment angle 45°
- Material:

Stainless steel 304

- Maximum speed 800 rpm
- Transmissible torque, see universal joint JCD (tome 2 p.89)



Stainless steel



Applications

- Pharmaceutical and food industries

Accessory

- Don't forget the cover trim M (tome 2 p.96)

Modifiable bore



DISCOUNTS

Qty	1+	2+	4+
Disc. Price	-15%	On request	

Part number	L		ØA	ØD	L1	L2	B	Stroke	E	F	ØDt	Price each
	min/	max										
CT10-210/230/SS	210/230		10	22	76	25	30	20	11	14	21,2	380,97 €
CT10-220/250/SS	220/250		10	22	76	25	30	30	11	14	21,2	380,97 €
CT10-240/290/SS	240/290		10	22	76	25	30	50	11	14	21,2	380,97 €
CT10-260/300/SS	260/300		10	22	76	25	30	40	11	14	21,2	380,97 €
CT10-280/370/SS	280/370		10	22	76	25	30	90	11	14	21,2	380,97 €
CT12-220/230/SS	220/230		12	25	86	29	35	10	13	16	26,5	396,22 €
CT12-230/250/SS	230/250		12	25	86	29	35	20	13	16	26,5	396,21 €
CT12-250/290/SS	250/290		12	25	86	29	35	40	13	16	26,5	396,22 €
CT12-290/370/SS	290/370		12	25	86	29	35	80	13	16	26,5	396,21 €
CT12-330/450/SS	330/450		12	25	86	29	35	120	13	16	26,5	396,22 €
CT14-240/260/SS	240/260		14	29	90	30	35	20	13	16	26,5	412,18 €
CT14-260/300/SS	260/300		14	29	90	30	35	40	13	16	26,5	412,18 €
CT14-280/340/SS	280/340		14	29	90	30	35	60	13	16	26,5	412,18 €
CT14-320/420/SS	320/420		14	29	90	30	35	100	13	16	26,5	412,18 €
CT14-380/500/SS	380/500		14	29	90	30	35	120	13	16	26,5	412,18 €
CT14-440/600/SS	440/600		14	29	90	30	35	160	13	16	26,5	412,18 €

Dimensions in mm

DISCOUNTS

Qty	1+	2+	4+
Disc.	Price -15%		On request

Part number	L min/ max	ØA	ØD	L1	L2	B	Stroke	E	F	ØDt	Price each
CT16-250/270/SS	250/270	16	32	95	30	40	20	16	20	32,5	420,02 €
CT16-260/290/SS	260/290	16	32	95	30	40	30	16	20	32,5	420,00 €
CT16-290/350/SS	290/350	16	32	95	30	40	60	16	20	32,5	420,00 €
CT16-330/430/SS	330/430	16	32	95	30	40	100	16	20	32,5	420,00 €
CT16-400/570/SS	400/570	16	32	95	30	40	170	16	20	32,5	420,00 €
CT16-500/720/SS	500/720	16	32	95	30	40	220	16	20	32,5	420,00 €
CT18-270/280/SS	270/280	18	37	108	35	40	10	16	20	32,5	475,44 €
CT18-280/300/SS	280/300	18	37	108	35	40	20	16	20	32,5	475,44 €
CT18-300/340/SS	300/340	18	37	108	35	40	40	16	20	32,5	475,44 €
CT18-330/400/SS	330/400	18	37	108	35	40	70	16	20	32,5	475,44 €
CT18-380/500/SS	380/500	18	37	108	35	40	120	16	20	32,5	475,44 €
CT18-450/620/SS	450/620	18	37	108	35	40	170	16	20	32,5	475,44 €
CT20-280/290/SS	280/290	20	40	108	32	48	10	18	22	41,5	483,42 €
CT20-290/310/SS	290/310	20	40	108	32	48	20	18	22	41,5	483,42 €
CT20-310/350/SS	310/350	20	40	108	32	48	40	18	22	41,5	483,42 €
CT20-350/430/SS	350/430	20	40	108	32	48	80	18	22	41,5	483,44 €
CT20-400/530/SS	400/530	20	40	108	32	48	130	18	22	41,5	483,42 €
CT20-500/730/SS	500/730	20	40	108	32	48	230	18	22	41,5	483,42 €
CT20-550/830/SS	550/830	20	40	108	32	48	280	18	22	41,5	483,42 €
CT22-320/330/SS	320/330	22	47	127	38	48	10	21	25	47,5	609,56 €
CT22-330/350/SS	330/350	22	47	127	38	48	20	21	25	47,5	609,56 €
CT22-350/390/SS	350/390	22	47	127	38	48	40	21	25	47,5	609,56 €
CT22-390/470/SS	390/470	22	47	127	38	48	80	21	25	47,5	609,56 €
CT22-460/600/SS	460/600	22	47	127	38	48	140	21	25	47,5	609,56 €
CT22-560/800/SS	560/800	22	47	127	38	48	240	21	25	47,5	609,56 €
CT25-340/350/SS	340/350	25	50	140	44	48	10	23	28	47,5	692,97 €
CT25-350/370/SS	350/370	25	50	140	44	48	20	23	28	47,5	692,97 €
CT25-370/400/SS	370/400	25	50	140	44	48	30	23	28	47,5	692,97 €
CT25-400/460/SS	400/460	25	50	140	44	48	60	23	28	47,5	692,97 €
CT25-450/550/SS	450/550	25	50	140	44	48	100	23	28	47,5	692,97 €
CT25-500/650/SS	500/650	25	50	140	44	48	150	23	28	47,5	692,97 €
CT25-600/850/SS	600/850	25	50	140	44	48	250	23	28	47,5	692,97 €
CT30-420/430/SS	420/430	30	58	178	58	48	10	26	32	60	943,37 €
CT30-430/450/SS	430/450	30	58	178	58	48	20	26	32	60	943,37 €
CT30-450/490/SS	450/490	30	58	178	58	48	40	26	32	60	943,37 €
CT30-490/570/SS	490/570	30	58	178	58	48	80	26	32	60	943,37 €
CT30-550/690/SS	550/690	30	58	178	58	48	140	26	32	60	943,37 €
CT30-650/890/SS	650/890	30	58	178	58	48	240	26	32	60	943,37 €

Dimensions in mm

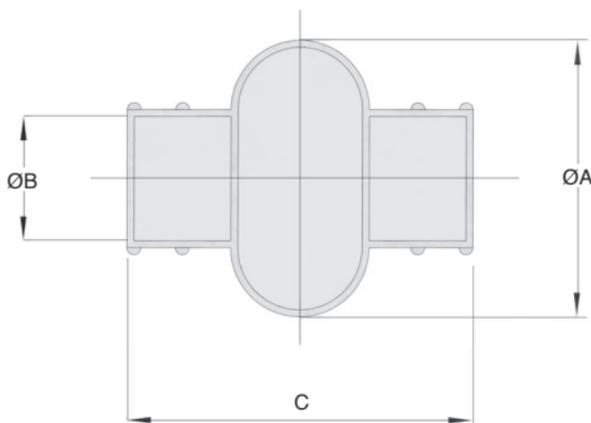
- Bellows for single joints
- For double joints, use two covers

Advantages

- The use of a cover can extend the operating life of a universal joint 5 times

Accessories

- See universal joint coupling Buyers guide (tome 2 p.80)



DISCOUNTS

Qty	1+	2+	4+	10+
Disc.	List	-6%	-12%	On request

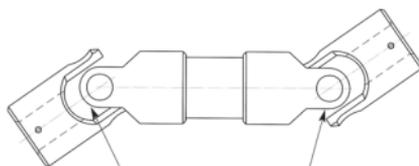
Part number	Joint bore-size (approx)	For universal joint Øext	ØA	ØB	C		Price each
M03-A-10	10	20-22	39	20,5	47	✓	10,04 €
M04-A-12	12	25	47	24,5	52	✓	10,04 €
M05-A-14	14	29	51	27,5	58	✓	10,45 €
M1-A-16	16	32	56	30,5	67	✓	11,40 €
M2-A-18	18	37	66	35,5	74	✓	11,51 €
M3-A-20	20	40	75	40,0	84	✓	16,70 €
M4-A-22	22	47	83	45,0	97	✓	15,71 €
M5-A-25	25	50	93	50,0	110	✓	18,11 €
M6-A-30	30	58	105	56,0	124	✓	17,05 €

*Depending on availability - Dimensions in mm

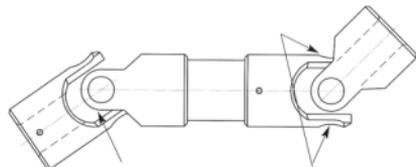
Universal joints

Use and maintenance of universal joints

The yokes should be positioned as shown in the diagram in order to obtain an uniform movement.



Correct assembly
Yokes well-positioned



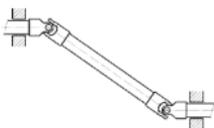
Incorrect assembly
Yokes badly-positioned

Maintenance of universal joints is limited to regular lubrication at least once a day.
In a dusty environment, the use of a grease-filled joint cover is recommended.

Several rules should be followed for a universal joint to work correctly:

- It is rare for a single joint to be used alone. They are normally only used in manually operated systems.
- Assembly of two single joints (a double joint) allows speed irregularities of a single joint to be corrected by another joint exhibiting the same irregularities in the opposite direction. This combination forms what is known as a constant velocity joint.

2 single joints

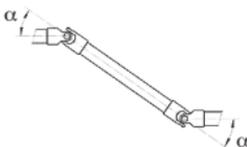


for constant velocity movement, the two angles should be equal and in the same plane



double joint

correct: α angles equal

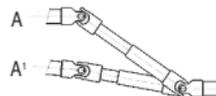
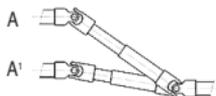


Entry and exit shafts should be parallel



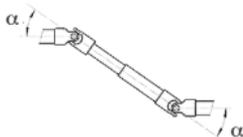
incorrect: α and β angles unequal

correct: A parallel to A'

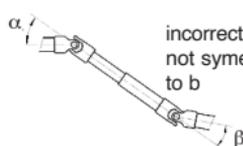


incorrect: A not parallel to A'

correct: a symmetrical to a



Shafts should be guided by bearings as close to joint as possible to reduce radial loads.



incorrect: a not symmetrical to b