

PTO shafts and components

2024

AGRIPARTS GLOBAL

All types of PTO shafts of Agri Parts Global brand guarantee quality and long-term reliability.

AgriPartsGlobal is a modern brand focused on the needs of the market. Our goal is to provide customers with products of the highest quality, professional service from the moment of placing the order to its final implementation.

To meet the expectations of our Customers, we are constantly expanding our offer and introducing new products.

We offer our clients after-sales service and the ability to modify already purchased PTO shafts.

When buying this type of product, it is worth considering whether there is an after-sales service, what will be the waiting time and the cost of spare parts. The wide range of spare parts that we offer to our Customers allows us to efficiently make any repairs and modifications of PTO shafts.

In our warehouse we have a wide selection of articulated PTO shaft components:

- Universal Joints
- Inner profile yokes
- Outer spline yokes
- Wide angle joints
- Ratchet torque limiter, shear bolt, overrunning, friction and automatic clutches
- PTO adapters
- Profile tubes

We have the widest range of products related to PTO shafts and their elements. We guarantee a wide offer, convenient payment terms and favorable discounts and the lowest prices on the market. Goods for customers across the country is delivered within 24 hours from the moment of ordering.

You didn't find your shaft in the catalog? No problem!

**We build individual and custom shafts based on the submitted specifications.
Contact our adviser!**

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EN

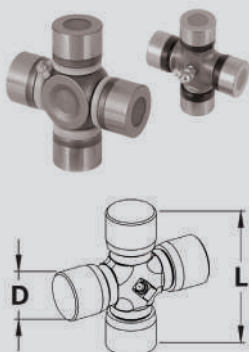
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HOW TO CHOOSE PTO SHAFT

1. Measure dimensions of universal joint

1. Measure outside diameter of cup and length of universal joint

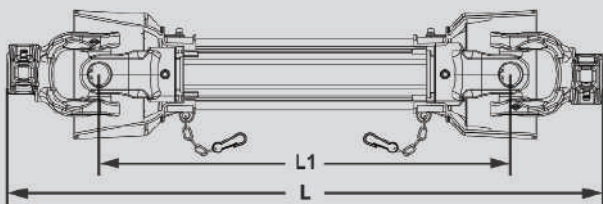


1) Measure outside diameter of universal joint cup (D) and length of universal joint (L).

2) If you don't have a universal joint, refer to PTO shaft selection table (page 41) to determine size of universal joint type based on PTO shaft torque and compare with power consumption of agricultural machine.

2. Measure length of PTO shaft

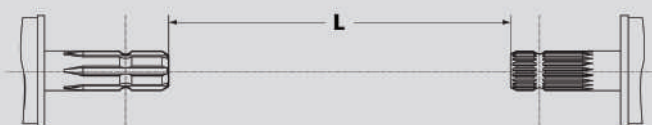
2.1. Measure closed length of PTO shaft (Lmin)



2.1.1. Measure closed length of PTO shaft:

L1 - length of PTO shaft from center of one universal joint to center of another universal joint;

L - total length of PTO shaft from end of yoke one side to end of yoke another side

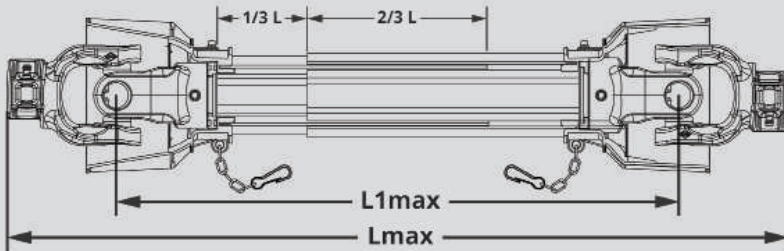


2.1.2. In case you have no PTO shaft, measure installation length (L).

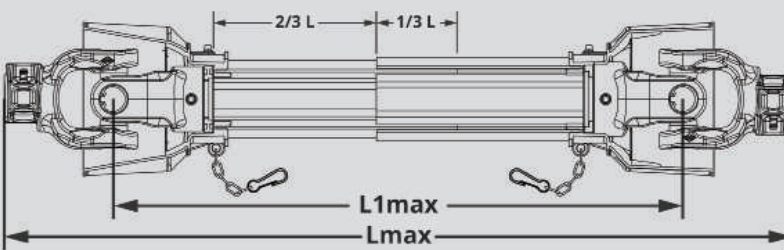
HOW TO CHOOSE PTO SHAFT

2. Measure length of PTO shaft

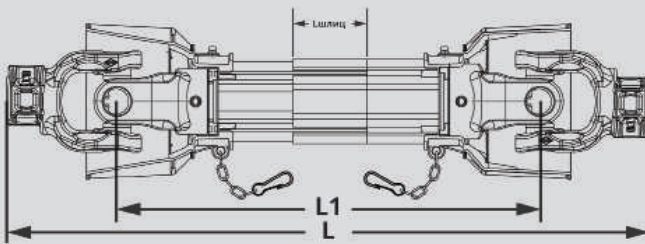
2.1. Measure closed length of PTO shaft (Lmin)



Lpa6 - working length of PTO shaft



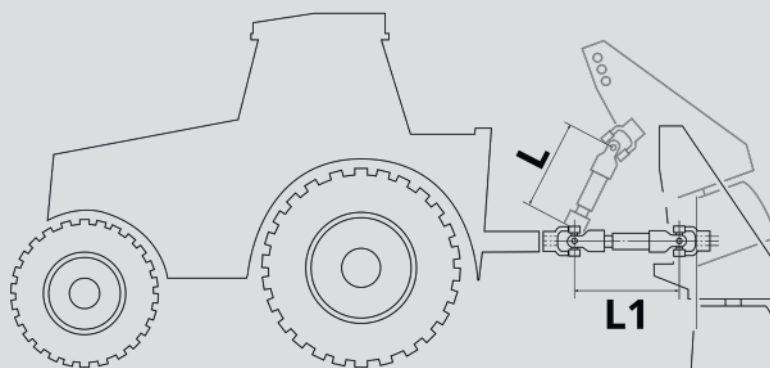
Lmax - maximum working length of PTO shaft



If PTO shaft with a sliding joint, the length of overlapping elements must be at least length of a splined sleeve.

2.2. Measure length of installed PTO shaft (Lmin) on:

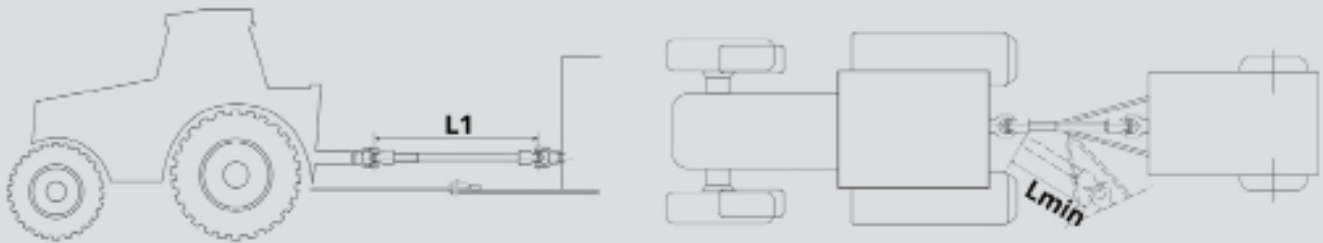
2.2.1. Attached agricultural equipment



L - compressed length of PTO shaft;
L1 - working length of PTO shaft

2. Measure length of PTO shaft

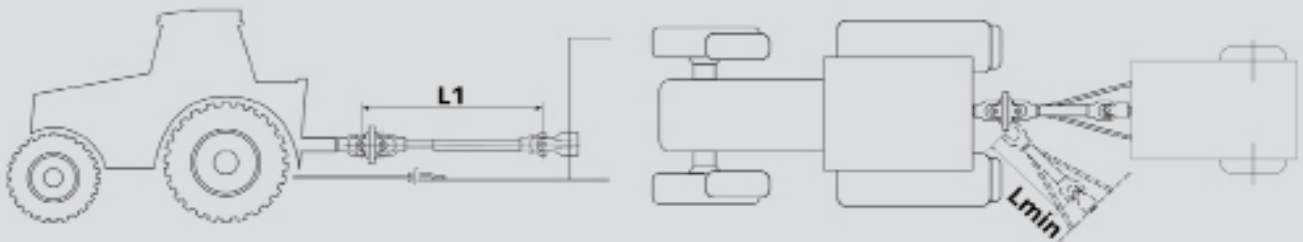
2.2.2. Trailed equipment



L1 - working length of PTO shaft;

Lmin - compressed length of PTO shaft (measure length of PTO shaft at max angle of turn)

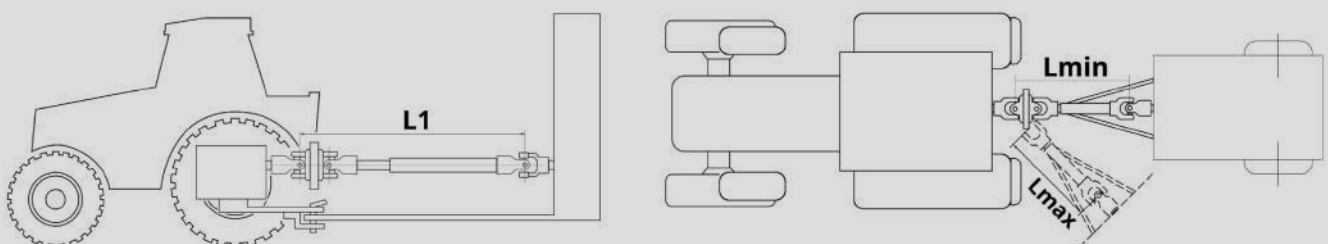
2.2.3. Trailed equipment with wide-angle joint



L1 - working length of PTO shaft;

Lmin - compressed length of PTO shaft (measure length of PTO shaft at max angle of turn)

2.2.4. Trailed equipment with wide-angle joint with connection point of wide angle joint rotation level

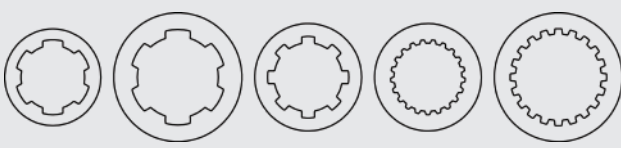


$L1 = Lmin$

Lmin - PTO shaft compressed length (measure length of PTO shaft at max angle of turn)

Lmax - PTO shaft length on turn

3. Specify types of yokes

	Number of splines 6/8/20/21, square, circle, hexagon, keyway
---	---

4. Determine safety couplings

Wide angle joints	
	Wide-angle joint is mounted on PTO shaft. It ensures its steady operation and enables PTO shaft to work at an angle up to 80 degrees. Wide angle joint can be mounted both on tractor side and trailed equipment side. At the same time, two wide angle joints can be mounted on one PTO shaft: one on tractor side and the other on trailed equipment side. Applications: sprayers, mixers, balers.
Automatic clutches	
	In case of overload, clutch switches off without causing any damages (as e.g. in ratchet, friction or shear bolt limiters). When resistance is overcome, clutch is automatically switched on and torque is transmitted. Cams are pushed out by springs, which are mounted in grooves, and so torque is transmitted. When clutch is loaded, cams rotate under action of resistance and return to groove, where they slip, not transmitting torque and thereby not destroying clutch, as is case with overload clutches. After resistance is overcome, cams automatically turn and jump into grooves, transmitting torque.
Shear bolt torque limiter clutches	
	Shear bolt clutch is designed to protect agricultural machines exposed to sudden overloads or seizing of working units. Torque transmission in shear bolt couplings is due to bolt, as a result of which hub and flange yoke start to rotate relative to each other, without transferring torque. To restore PTO shaft, damaged shear bolt must be replaced with a new one. Torque of shear clutch is 2.5–4 times higher than nominal torque transmitted by PTO shaft, but less than maximum torque transmitted by PTO shaft. Shear bolt clutch is mounted on PTO shaft from the power take-in (PTI) side of agricultural vehicle. Application: chippers, feed mixers, equipment exposed to sudden overloads.
Overrunning clutches	
	Overrunning clutch is designed to protect against over-torque moment caused by inertia of agricultural machine, arising during braking or complete stop of tractor. One way clutch transmits torque in one direction only due to engagement of ratchets on clutch housing, in the opposite direction, clutch is turned freely. Standard overtaking clutch is a right-hand rotation clutch. Overrunning clutch is installed on PTO shaft from the PTI side of agricultural machine. If it is impossible to install an overrunning clutch on the side of an agricultural machine due to structural special features or if another overload clutch of a different type is installed on PTO shaft, it is allowed to install an overrunning clutch on PTO shaft from the PTO side of tractor. Application: rotary mowers, rake-tedders, seeders, trailed sprayers, devices with large inertial mass.

4. Determine safety couplings

Friction torque limiter clutches



Friction clutches are used on agricultural machines, working with constant excess of torque moments to be overcome without interrupting while transferring torque and movement of equipment.

Friction clutch transmits torque using friction linings sandwiched between flange yoke and hub couplings. The trigger point is set 2-3 times more, than transmitted nominal torque, but less than maximum torque, transmitted by PTO shaft. The friction clutch is installed on PTO shaft from power take-in side (PTI) of agricultural machine. Application: rotary mowers, rakes tedders, balers, mulchers, devices with a large inertial mass.

Friction torque overrunning clutches



It is used in agricultural machinery operating with a constant excess of torque that must be overcome without interrupting the transmission of torque and the movement of the machine. The friction backstop transmits torque by means of friction plates located between the flange yoke and the clutch hub.

The friction backstop is designed to protect against excessive torque caused by the inertia of the agricultural machine, which occurs during braking and when the machine comes to a complete stop.

Ratchet torque limiter clutches



In radial pin couplings, spring-loaded pins fit with the corresponding grooves in housing. Spring compression force coupling determines transmitted torque.

They are used to protect the tractor and PTO shafts from damage arising from overloading an agricultural machine during working time, for example, jamming of working bodies.

Transmission of torque takes place by means of spring-loaded cams. In case clutch actuation sound occurs, which is an overload sign, vehicle must be stopped to avoid destruction of cams. Applications: loaders, pickers, rotary rake-tedders, grain headers.

PTO SHAFT SELECTION TABLE

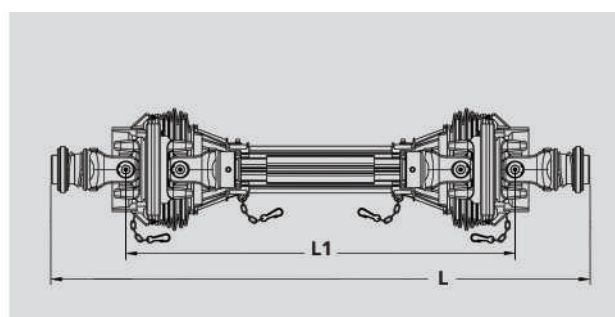
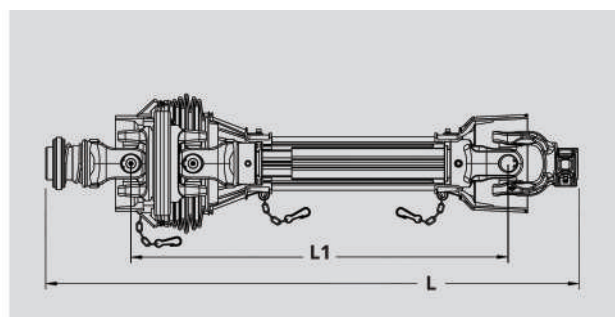
Attention! How to read the product catalog number? Example shaft number: L1-2254-101-66

L1 - lemon, series 1; **2254** - dimension of the cross; **101** - length between the axes of the crosses at the maximum fold; **66** - number of cutters on both sides

T - triangle profile pipe; **L** - lemon; **S** - star; **SP** - with cutter; **WAJ** - shaft with a wide-angle joint.

Type Size	Tube profile	Universal joint		Torque (540/1000 RPM, Nm)	Applicability
		Ø D (mm)	H (mm)		
L1, T1		22	54	210/172	Mounted seed drills, sprayers, fertilizer spreaders
L2		23.8	61.3	335/270	Trailed seed drills, sprayers
T2				270/220	
T3, L3		27	70	390/330	Grain reapers, Harvesters, Mowers, Trailed sprayers, Trailed and mounted seed drills, Harrows,
L4		27	74.6	500/460	
T4, SP4				460/380	
T4		28	73	460/380	
L4-WAJ2327 T4-WAJ2327 SP4-WAJ2327		23.8 27	91(95) 74.6	460/380	
L5		30.2	80	575/520	Combine sunflower, corn, shredder feed mixers mulchers, presses, rotary tillers
T5, SP5				620/575	
L6		30.2	92	600/520	
T6, S6				830/710	
L6-WAJ2732 T6-WAJ2732 S6-WAJ2732		27 32	94(98) 76	695/580	
				780/650	
				830/710	
T7, S7		30.2	106.3	970/830	
L7		32	76	695/725	
T7				830/710	
S7				970/830	
T7, SP7		34.9	94	970/830	
T7		35	98	970/830	
S7		35	94	1175/975	
T8-WAJ3236 S8-WAJ3236 L8-WAJ3236		32 36	106.3 (110) 89	1175/975	Rototillers, Heavy rippers, feed mixers
				1175/975	
				970/830	
T8, S8, SP8		34.9	106.3	1240/1050	
T8, S8		36	89	1175/975	
S9		39	118	1400/965	
		42	104.5	1400/1190	
SP9		42	104.5	1560/1240	
S9-WAJ3642		36 42	124 104	1600/1240	

POWER TAKE OFF SHAFTS WITH WIDE ANGLE JOINT



Length from axis to axis	Universal joint	Torque (Nm)	Tube type	New part number
min 510 - max 2210	23.8 x 91 27 x 75	460	  	L4-WAJ2327-101-66 L4-2WAJ2327-101-66
min 510 - max 2210	27 x 94 32 x 76	695		S6-WAJ2732-101-66 S6-2WAJ2732-101-66
		780		
		830	 	
min 510 - max 2210	32 x 106.3 36 x 89	970	 	S8-WAJ3236-101-66 S8-2WAJ3236-101-66
		1175		
min 510 - max 2210	36 x 124 42 x 104	1400		S9-WAJ3642-101-66 S9-2WAJ3642-101-66

Note: **T4-WAJ2327-101-86** / **T4-2WAJ2327-101-86**:

T - triangular tube profile

L - lemon

S - star

SP - spline profile

WAJ - wide angle joint

2327 - universal joint size

101 - shaft length between universal joints (L1) cm

66 - number of splines

POWER TAKE OFF SHAFTS - VARIANTS

	
T1-2254-101-66	Power take off shafts - STANDART series
	
T3-2770-101-66OC	Power take off shafts with overrunning clutch - STANDART series
	
T4-2774-101-66FC	Power take off shafts with friction torque limiter clutch - STANDART series
	
T5-3080-101-66RC	Power take off shafts with ratchet torque limiter clutch - STANDART series
	
T6-3092-101-66SB	Power take off shafts with shear bolt torque limiter clutch - STANDART series
	
T6-3092-76-66AC	Power take off shafts with automatic clutch - STANDART series

POWER TAKE OFF SHAFTS - VARIANTS



T7-30106-71-66FOC

Power take off shafts with friction torque overrunning clutch - STANDART series



TS-3598-101-6FC8OC

Power take off shafts with friction torque limiter clutch and over running clutch - STANDART series



T6-3598-101-6RC8OC

Power take off shafts with ratchet torque limiter clutch and over running clutch - STANDART series



T6-WAJ2732-101-66

Power take off shafts with wide angle joint - WAJ series



S6-WAJ2732-101-66FC

Power take off shafts with wide angle joint and friction torque limiter clutch - WAJ series



S6-WAJ2732-101-66SB

Power take off shafts with wide angle joint and shear bolt torque limiter clutch - WAJ series

POWER TAKE OFF SHAFTS - VARIANTS



S6-WAJ2732-101-66RC

Power take off shafts with wide angle joint and ratchet torque limiter clutch - WAJ series



L6-WAJ2732-101-66AC

Power take off shafts with wide angle joint and automatic clutch - WAJ series



S6-WAJ2732-101-66OC

Power take off shafts with wide angle joint and overrunning clutch - WAJ series



S6-2WAJ2732-225-66

Power take off shafts with two wide angle joints - WAJ series



S6-2WAJ2732-101-66OC

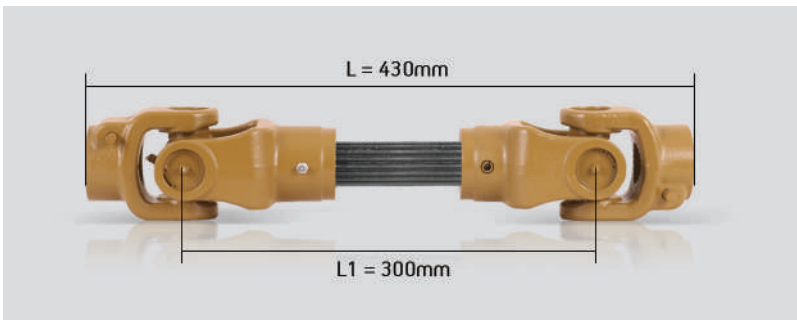
Power take off shafts with two wide angle joints and overrunning clutch - WAJ series



S6-2WAJ2732-101-66FC

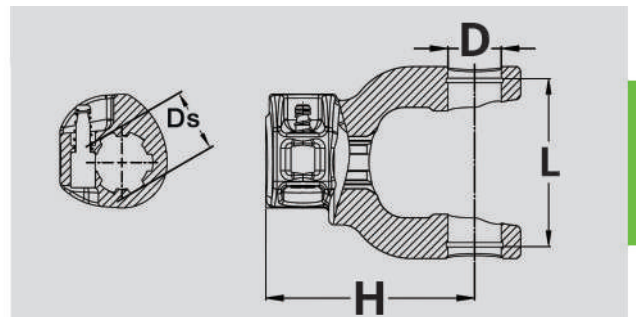
Power take off shafts with wide angle joint and friction torque limiter clutch - WAJ series

PTO SHAFT - KEMPER



Ø D (mm)	UJ Hight (mm)	Length H (mm)	Number of splines / diameter Ds (mm)	Catalog number
32	76	430	21/21 splines 34.9mm/34.9mm (1 3/8" - 1 3/8") OE: LCA67248, 67248	SP6-3276-30-2121
32	76	430	21/23 splines 34.9mm/38.5mm (1 3/8")	SP6-3276-30-2123
32	76	430	6/21 splines 34.9mm/34.9mm (1 3/8" - 1 3/8")	SP6-3276-30-216
32	76	430	23/6 splines 38.5mm/34.9mm (1 3/8") OE: 83277; LCA67248	SP6-3276-30-236
32	76	430	6/6 splines 34.9mm/34.9mm (1 3/8" - 1 3/8")	SP6-3276-30-66

SPECIAL SPLINE YOKES - 6 / 18 / 20 / 21 / 23 SPLINES, 34.9MM (1 3/8")



D (mm)	L (mm)	Ds (mm)	OE	H (mm)	Application	Catalog number
32	76	6 splines 34,9mm (1 3/8")	35.79.100	75	KEMPER	YS3276-6K
32	76	18 splines 34,9mm (1 3/8")	35.79.101 (1 3/8 Z21)	100	KEMPER	YS3276-18-K
32	76	20 splines 34,9mm (1 3/8")	35.70.103	75	KEMPER	YS3276-20-K
32	76	21 splines 34,9mm (1 3/8")	LCA68442	75	KEMPER	YS3276-21K
32	76	23 splines 38,5mm	AZ50429	91	KEMPER	YS3276-23-K

AMAZONE COMPONENTS

Photo	D (mm)	L (mm)	Ds (mm)	H (mm)	OE	Application	Catalog number
	22	54	30mm	78	1012481 1017102	AMAZONE	YP2254-C30-A

Photo	D (mm)	L (mm)	Ds (mm)	OE	Application	Catalog number
	22	54	30mm	012481E 1017102	AMAZONE	T1-2254-81-6AMAZONE

JOHN DEERE DRIVE SHAFTS

Photo	Length (mm)	OE number	Catalog number
	160 mm	AL118590	DS-JD160
	192 mm	AL77610	DS-JD192
	198 mm	AL117414	DS-JD198
	198 mm	-	DS-JD198A
	238 mm	AL117418, AL113394	DS-JD238
	296 mm	AL117412	DS-JD296
	318,5 mm	AL111108	DS-JD318
	368 mm	AL117415	DS-JD368
	466 mm	AL117413	DS-JD466

FLANGE CONNECTORS JOHN DEERE

Photo	Dimensions (mm)	Diameter D (mm)	Hole diameter (mm)	Hight H (mm)	Catalog number
	30x83 DIN 71.9mm	116	4x12mm (67x67)	54	FY3083JD-1
	30x83 SAE 71.9mm	120	4x12mm (69.2x69.2)	46	FY3083JD-2
	30x83 SAE 71.9mm	119	4x12mm (69.2x69.2)	54	FY3083JD-3
	30x83 SAE 71.9mm	116	4x12mm (67x67)	54	FY3083JD-4
	30x83 DIN 71.9mm	116	4x12mm (67x67)	54	FY3083JD-5
	30x83 SAE 71.9mm	120	4x12mm (69.2x69.2)	48	FY3083JD-6
	30x83 SAE 71.9mm	120	4x12mm (69.2x69.2)	47	FY3083JD-7
	30x83 SAE 71.9mm	88	8x8mm (29x29)	48	FY3083JD-8
	30.2x92 DIN 75mm	130	4x12.5mm (72x72)	80	FY3092
	32x76 SAE 98mm	160	6x12mm (70x70)	76	FY3092
Photo	Dimensions (mm)	Dimensions (mm)		Hight H (mm)	Catalog number
	30x83	1x lubrication channel, axle shaft connector		72	KOSZ30-83
	30x83	2 x lubrication channel, axle shaft connector		72	KOSZ30-83A
	30x83	type H, axle shaft connector		81	KOSZ30-83H

COMPONENTS JOHN DEERE / FENDT

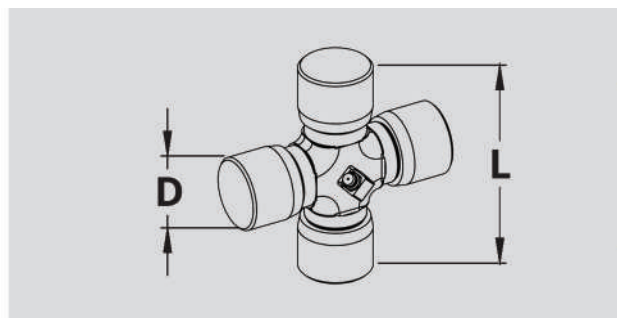
Photo	Type	Specification	Catalog number
	Shaft joint	- number of splines 33 - outer diameter 128 mm - inner diameter 31.2 mm - spline length 31 mm - joint width 46 mm - holes 6 x 12 mm - pitch diameter 108 mm JOINT: - number of spline teeth: 28 - outer diameter joint: 108 mm - joint width: 40 mm - length of the spline teeth: 28 mm - internal diameter between the teeth: 31.1 mm - hole diameter: 10 mm - number of holes: 6 - pitch diameter: 94 mm (bolt spacing) COVER: - large hole diameter A: 108 mm - small hole diameter B: 25 mm - height of the plate Hm: 20 mm - total height H: 125 mm	CVF057
	Shaft joint		PS701
		OE: 301174; 302299; 93033203400; 21850; E158305080010, BIMA8025, 72706291 FENDT Farmer, FENDT Favorit	
	Axle	SERIA 8000 - SPICER / SERIES 8000 - SPICER / 8000 СЕРИЯ - SPICER 48x116.5, 7C 4HWD, Lz=720mm, 27 splines OE: RE574236, RE308018	AXL-JD1

MANITOU DRIVE SHAFTS

Photo	Size (mm)	OE number	Catalog number
	27 x 81.8mm L= 225mm FY 97mm SAE 60.3mm 4x10mm	299862 796726	WAL-1310-1
	L= 284mm	OE: 224734 GKN: 397151KR	WM-2
	L= 300mm	OE: 226235 GKN: 397152KR	WM-1

Photo	Dimensions (mm)	Ø Diameter D (mm)	Hole diameter	Hight H (mm)	Catalog number
	27 X 81.8 SAE 60.3mm	97	4x10mm (51x61)	36	FY1310
	27 X 81.8 SAE 60.3mm	97 kwadratowa	4x10mm (51x61)	36	FY1310-1
	27 X 81.8 SAE 60.3mm	97	4x10mm (51x61)	45	FY1310-2

UNIVERSAL JOINTS



ATTENTION! The designation of the lubrication: **C** - central lub. **B** - side lub. **N** - without lub. **1S** - lub. in the bearing

D (mm)	L (mm)	Lubrication	Purpose	Catalog number
18	47	C	Agricultural machinery	GUA1
19	52	C	Agricultural machinery	GUA2
22	54	C	Agricultural machinery	GUA3
22	55	C	Agricultural machinery	GUA4
23.8	61.3	C 1S	Agricultural machinery	GUA5 GU500
25	72.5	C	Agricultural machinery	GUA6
27	70	C N	Agricultural machinery	GUA7 UJ2770
27	74.6	B C	Agricultural machinery	GUA8 GU1100
27	100	1S	Agricultural machinery	UJ27100
28	73	1S	Agricultural machinery	UJ2873
29	80	C	Agricultural machinery	GUA9
30.2	80	C	Agricultural machinery	GUA11
30.2	92	C	Agricultural machinery	GUA12 GU2200
30.2	106.3	B	Agricultural machinery	GU2050
32	76	C	Agricultural machinery	GUA14
34	90	C	Agricultural machinery	GUA15
34	106.6	C	Agricultural machinery	GUA16
34.9	94	C	Agricultural machinery	GUA17 UJ34994
34.9	106.3	C	Agricultural machinery	351
35	92	C	Agricultural machinery	UJ3592

D (mm)	L (mm)	Lubrication	Purpose	Catalog number
35	93	N	Agricultural machinery	UJ3593
35	94	C	Agricultural machinery	UJ3594
35	98	C	Agricultural machinery	UJ3598
35	106	C	Agricultural machinery	UJ35106
36	89	C	Agricultural machinery	GUA20
39	118	B	Agricultural machinery	UJ39118
41	118	B	Agricultural machinery	UJ41118
42	104.5	C	Agricultural machinery	UJ58715

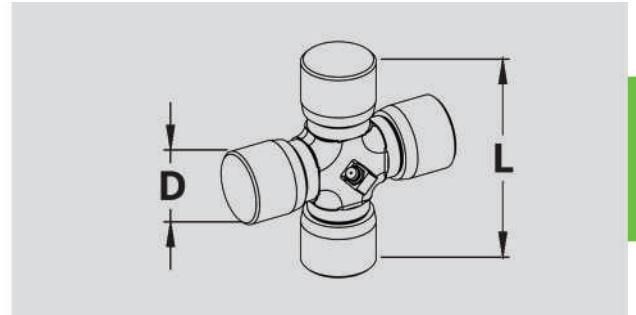


WIDE ANGLE UJ'S



D (mm)	L (mm)	Lubrication	Purpose	Catalog number
22 23.8	77 61.3	C	For wide-angle joints	UJ2224
23.8 27	91 74.6	C	For wide-angle joints	UJ2427 UJ2427C-1S
23.8 27	95 74.6	1S	For wide-angle joints	UJ2427A-1S
27 30.2	92 92	B	For wide-angle joints	UJ2730
27 32	94 76	C C+1S	For wide-angle joints	UJ2732-C UJ2732
27 32	98 76	1S	For wide-angle joints	UJ2732A-1S
27 92	100 100	1S	For wide-angle joints	UJ2730-100
30.2 34.9	106.3 106.3	B	For wide-angle joints	UJ3034
32 36	106.3 89	C	For wide-angle joints	UJ3236 UJ3236-1S
32 36	110 89	C	For wide-angle joints	UJ3236-11 UJ323611-1S
36 42	124 104	1S	For wide-angle joints	UJ3642

MECHANICAL UNIVERSAL JOINTS



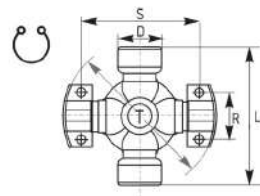
N	C	B	1S	2S	4S

Dimensions	Manufacturer	Teflon	Lubrication	Catalog number
2C 2LWT 2C LWD 33 x 59 x 79	Driveshaft Parts	-	1S	952
2C 4LWD 33 x 59 x 79	Driveshaft Parts	-	1S	994
2C 4LWD 33 x 59 x 79	Driveshaft Parts	-	B	994-B
2C 4LWT 33 x 59 x 79	Driveshaft Parts	-	1S	951
3C 2LWD 2LWT 36 x 70 x 90	Driveshaft Parts	-	1S	535
3C 4HWD 36 x 70 x 90	Driveshaft Parts	-	B	497
3C 4LWD 36 x 70 x 90	Driveshaft Parts	-	B	495
3C 4LWT 36 x 70 x 90	Driveshaft Parts	-	1S	536
4C 2LWT 2HWD 36 x 87 x 108	Driveshaft Parts	-	B	929
4C 2LWT 2LWD 36 x 87 x 108	Driveshaft Parts	-	B	541
4C 4HWD 36 x 87 x 108	Driveshaft Parts	-	B	969
4C 4HWD 36 x 87 x 108	Matsuba	-	B	969-M
4C 4LWT 36 x 87 x 108	Driveshaft Parts	-	B	921
5C 2LWT 2HWD 43 x 89 x 115	Driveshaft Parts	-	B	933
5C 2LWT 2LWD 43 x 89 x 115	Driveshaft Parts	-	B	552
5C 4HWD 43 x 89 x 115	Driveshaft Parts	-	B	968
5C 4HWD 43 x 89 x 115	Matsuba	-	B	968-M

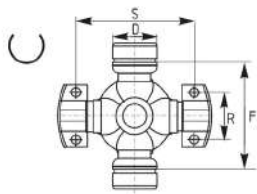
Dimensions	Manufacturer	Teflon	Lubrication	Catalog number
5C 4HWD 43 x 89 x 115	Spicer	-	B	968-SP
5C 4LWT 43 x 89 x 115	Driveshaft Parts	-	B	550
50 x 181 (203)	Driveshaft Parts	-	4S	UJ50181
5.5C 4HWD 50 x 108 x 135	Driveshaft Parts	-	B	894
55 x 140 x 174 4LWT	Driveshaft Parts	-	C	GUIS67
6C 2LWT 2HWD 43 x 114 x 140	Driveshaft Parts	-	B	563
6C 2LWT 2HWD 43 x 114 x 140	Matsuba	-	B	563-M
6C 2LWT 2LWD 43 x 114 x 140	Driveshaft Parts	-	B	561
6C 4HWD 43 x 114 x 140	Driveshaft Parts	-	B	905
6C 4HWD 43 x 114 x 140	Matsuba	-	B	905-M
6C 4HWD 43 x 114 x 140	Spicer	-	B	905-SP
6C 4LWD 43 x 114 x 140	Driveshaft Parts	-	B	566
6C 4LWT 43 x 114 x 140	Driveshaft Parts	-	B	560
60 x 159 x 196 4LWT	Driveshaft Parts	-	C	GUIS1068
6.5C 4HWD 60 x 104 x 140	Matsuba	-	C	UJF1-M
7C 2HWD 2LWD 49 x 118 x 148	Driveshaft Parts	-	B	576
7C 2HWD 2LWT 49 x 118 x 148	Driveshaft Parts	-	B	574
7C 4DWT 49 x 118 x 148	Driveshaft Parts	-	B	927D
7C 4HWD 49 x 118 x 148	Driveshaft Parts	-	B	927
7C 4HWD 49 x 118 x 148	Matsuba	-	B	927-M
7C 4HWD 49 x 118 x 148	Spicer	-	B	927-SP
7C 4LWD 49 x 118 x 148	Driveshaft Parts	-	B	575
7C 4LWT 49 x 118 x 148	Driveshaft Parts	-	B	570
7.5C 4HWD 50 x 103 x 130	Driveshaft Parts	-	B	982
8C 2LWT 2HWD 49 x 175 x 206	Driveshaft Parts	-	B	999
8C 2LWT 2LWD 49 x 175 x 206	Driveshaft Parts	-	B	582
8C 4DWT 49 x 175 x 206	Driveshaft Parts	-	B	583
8C 4HWD 49 x 175 x 206	Driveshaft Parts	-	B	928

Dimensions	Manufacturer	Teflon	Lubrication	Catalog number
8C 4HWD 49 x 175 x 206	Matsuba	-	B	928-M
8C 4LWD 49 x 175 x 206	Driveshaft Parts	-	B	584
8C 4LWT 49 x 175 x 206	Driveshaft Parts	-	B	581
8.5C 2LWT 2HWD 71 x 124 x 165	Driveshaft Parts	-	B	950
8.5C 4HWD 71 x 124 x 165	Driveshaft Parts	-	C	963
8.5C 4HWD 71 x 124 x 165	Spicer	-	N	963N-SP
8.5C 4HWD 71 x 124 x 165	Spicer	-	C	963-SP
8.5C 4LWT 71 x 124 x 165	Driveshaft Parts	-	B	785
9C 2LWT 2HWD 71 x 168 x 209	Driveshaft Parts	-	B	792
9C 4HWD 71 x 168 x 209	Driveshaft Parts	-	B	911
9C 4HWD 71 x 168 x 209	Spicer	-	B	911-SP
9C 2DWT 2HWD 71 x 168 x 209	Driveshaft Parts	-	C	911DELTA
9C 4LWT 71 x 168 x 209	Driveshaft Parts	-	B	793
10C 4HWD 92 x 165 x 213	Driveshaft Parts	-	B	988
10C 4HWD 92 x 165 x 213	Spicer	-	B	988-SP
11C 4HWD 89 x 173 x 222	Driveshaft Parts	-	2B	490
12C 4HWD 92 x 242 x 291	Driveshaft Parts	-	B	125
15C 4HWD 100 x 201 x 260	Driveshaft Parts	-	B	150

- 2 X MECHANICS + 2 X OUTER CIRCLIP



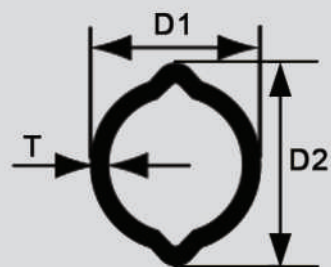
Dimensions	Manufacturer	Teflon	Lubrication	Catalog number
2C LWT 27x 81.8	Driveshaft Parts	-	B	UJ27822C
2C LWT 27x 81.8	Neapco	-	B	UJ20291NEP
3C 2LWD 28.6 x 60.4 (90.5)	Driveshaft Parts	-	B	UJ3014
4C 2HWD 30.2 x 106.3	Driveshaft Parts	-	B	UJ14104C
4C 2HWD 30.2 x 106.3	Spicer	-	B	UJ14104C-SP
47.6 x 135	Driveshaft Parts	-	B	UJ68740T
49.2 x 154.8	Driveshaft Parts	-	C	UJ68750T
5C 2HWD 30.2 x 106.3	Driveshaft Parts	-	B	UJ14105C
5C 2HWD 34.9 x 106.3	Driveshaft Parts	-	B	UJ14805C
5C 2HWD 34.9 x 106.3	Driveshaft Parts	-	B	UJ14805C-1
5C 2HWD 34.9 x 106.3	Spicer	-	B	UJ14805C-SP
5C 2LWT 34.9 x 106.3	Driveshaft Parts	-	B	UJ14805CL
59 x 167.5	Driveshaft Parts	-	C	UJ68760T
6C 2HWD 34.9 x 106.3	Driveshaft Parts	-	B	UJ14806C
6C 2HWD 34.9 x 126.2	Driveshaft Parts	-	B	470
6C 2HWD 34.9 x 126.2	Spicer	-	B	470-SP
7C 2HWD 41.2 x 141.8	Driveshaft Parts	-	B	330
7C 2HWD 41.2 x 141.8	Spicer	-	B	330-SP
8.5C 2HWD 52.3 x 174.5	Driveshaft Parts	-	N	CP20RPL
9C 2HWD 52.3 x 208	Driveshaft Parts	-	N	CP25RPL-1
2C 2LWD 25.4 x 55 (79)	Driveshaft Parts	-	1S	522



2 X MECHANICS + 2 X OUTER CIRCLIP -

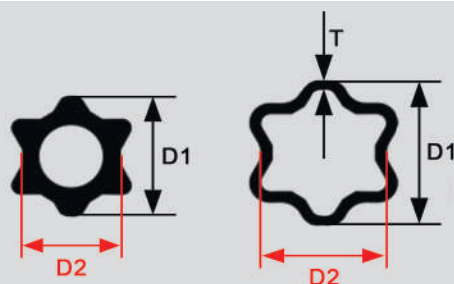
Dimensions	Manufacturer	Teflon	Lubrication	Catalog number
2C 2LWT 25.4 x 55 (79)	Driveshaft Parts	-	B	508
2C 2HWD 26.5 x 57 (80)	Matsuba	-	C	UJ2680/2C-M
3C 2HWD 28.6 x 60 (94)	Matsuba	-	C	301-M
41.3 x 154.8 (201) R-50. S-180	Driveshaft Parts	-	2S	UJ41155
5C 2HWD 32 x 84 (118)	Driveshaft Parts	+	B	UJ321185C
5C 2HWD 32 x 84 (118)	Matsuba	-	B	UJ321185C-M
5C 2HWD 33.33 x 79 (116)	Driveshaft Parts	-	B	557
5C 2HWD 33.33 x 79.3 (116)	Koyo	-	B	UJ3379-5C-K
5C 2HWD 34 x 79 (116)	Driveshaft Parts	-	B	UJ34116-5C
5C 2HWD 34 x 79 (116)	Koyo	-	B	UJ34116-5C-K
5C 2HWD 34 x 79.2 (117.3)	Koyo	-	B	UJ3479-5C-K
6C 2HWD 33.33 x 104.4 (142)	Driveshaft Parts	-	B	565
7C 2HWD 41 x 104.6 (151)	Matsuba	-	B	483-M
7C 2HWD 41.3 x 104.1 (151)	Driveshaft Parts	-	B	483

TUBES - LEMON



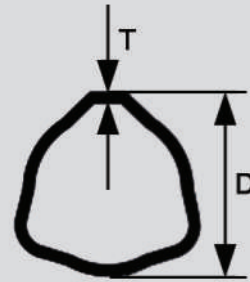
Size	Diameter / Thickness D1 (D2) x - T (mm)	Length	Part number	New part number
1	23.5 (31) mm x 4 mm	1000, 2000, 3000	RUC235	TL235
	29.8 (39) mm x 2.5 mm	1000, 2000, 3000	RUC303	TL303
2	34.5 (40) mm x 4 mm	1000, 2000, 3000	RUC344	TL344
	41 (48) mm x 3 mm	1000, 2000, 3000	RUC413	TL413
3	39.7 (49) mm x 4.7 mm	1000, 2000, 3000	RUC395	TL395
	48.3 (58.5) mm x 3.9 mm	1000, 2000, 3000	RUC484	TL484

TUBES - STAR



Size	Diameter / Thickness D1 (D2) x - T (mm)	Length	Part number	New part number
1	51 (37) mm	1000, 2000, 3000	RUG510	TS510 TSX510
	61 (47) mm x 4.3 mm	1000, 2000, 3000	RUG614	TS614
2	61 (47) mm x 6 mm	1000, 2000	RUG616	TS616
	71 (57.5) mm x 5 mm	1000, 2000	RUG715	TS715

TUBES - TRIANGLE



Size	Diameter / Thickness D1 (D2) x - T (mm)	Length	Part number	New part number
1	26 mm x 4 mm	1000, 2000, 3000	RUT264	TT264
	33 mm x 2.6 mm	1000, 2000, 3000	RUT332	TT332
2	29 mm x 4 mm	1000, 2000, 3000	RUT294	TT294
	36 mm x 3.2 mm	1000, 2000, 3000	RUT363	TT363
3	36 mm x 4 mm	1000, 2000, 3000	RUT364	TT364
	43.5 mm x 3.4 mm	1000, 2000, 3000	RUT433	TT433
4	45 mm x 4 mm	1000, 2000, 3000	RUT454	TT454
	51.6 mm x 3 mm	1000, 2000, 3000	RUT523	TT523
5	45 mm x 5.5 mm	1000, 2000, 3000	RUT455	TT455
	54 mm x 4 mm	1000, 2000, 3000	RUT544	TT544
6	54 mm x 5 mm	1000, 2000, 3000	RUT545	TT545
	63 mm x 4 mm	1000, 2000, 3000	RUT634	TT634

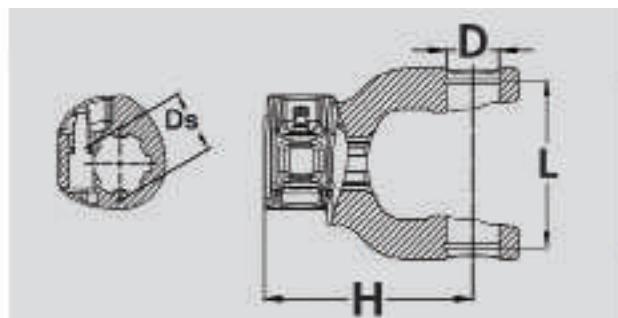
SPLINE SHAFT



Size	Diameter / Thickness D1 (D2) x - T (mm)	Length	Part number	New part number
34.9 mm (1 3/8")	1000, 2000	without heat treatment	FREZ6	SP6

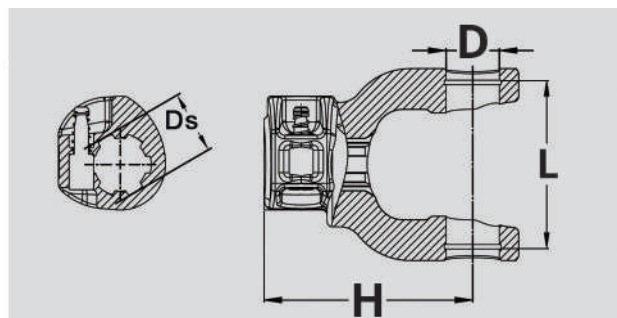
* Our pipes can be cut to any size

YOKES SPLINE – 6 SPLINES, 34.9 MM (1 3/8")



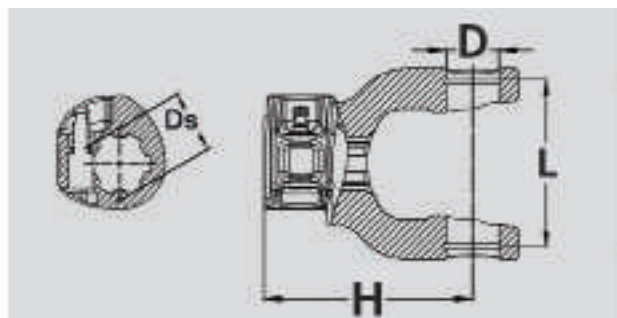
D (mm)	L (mm)	Ds (mm)	H (mm)	Part number	New part number
22	54	34,9 (1 3/8")	94	TS2254	YS2254-6
22	54	34,9 (1 3/8")	98	TS2254-6-1	YS2254-6B
23.8	61.3	34,9 (1 3/8")	102	TS2361	YS2361-6
23.8	61.3	34,9 (1 3/8")	104	TS2361-6-1	YS2361-6B
27	70	34,9 (1 3/8")	102	TS2770	YS2770-6
27	74.6	34,9 (1 3/8")	107	TS2774	YS2774-6
27	74.6	34,9 (1 3/8")	110	TS2774-6-1	YS2774-6B
28	73	34,9 (1 3/8")	105	TS2873-6	YS2873-6
30.2	80	34,9 (1 3/8")	112	TS3080	YS3080-6
30.2	80	34,9 (1 3/8")	115	TS3080-6-1	YS3080-6B
30.2	80	34,9 (1 3/8")	108	TS3080-6-2	YS3080-6B2
30.2	92	34,9 (1 3/8")	120	TS3092	YS3092-6
30.2	92	34,9 (1 3/8")	123	TS3092-6-1	YS3092-6B
30.2	106.3	34,9 (1 3/8")	132	TS30106	YS30106-6
32	76	34,9 (1 3/8")	120	TS3276	YS3276-6
34.9	94	34,9 (1 3/8")	115	TS3594	YS3594-6
34.9	106.3	34,9 (1 3/8")	128	TS34106	YS34106-6
34.9	106.3	34,9 (1 3/8")	140	TS34106-6-1	YS34106-6B
35	106.3	34,9 (1 3/8")	128	TS34106	YS35106-6
35	98	34,9 (1 3/8")	120	TS3598	YS3598-6
36	89	34,9 (1 3/8")	122	TS3689	YS3689-6
39	118	34,9 (1 3/8")	140	TS39118	YS39118-6
42	104.5	34,9 (1 3/8")	140	TS42104	YS42104-6

YOKES SPLINE – 6 SPLINES, 44.4 MM (1 3/4")



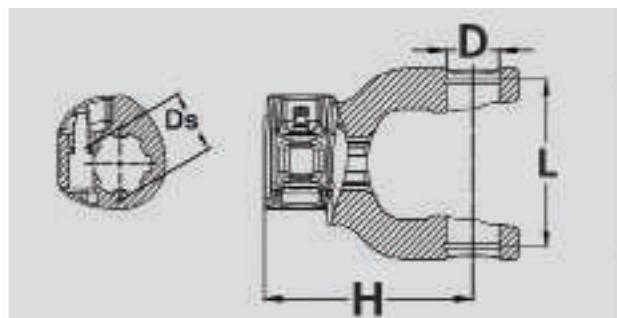
D (mm)	L (mm)	Ds (mm)	H (mm)	Part number	New part number
30.2	80	44.4 (1 3/4")	104	TS3080-1	YS3080-6A
30.2	106.3	44.4 (1 3/4")	132	TS30106-1	YS30106-6A
30.2	92	44.4 (1 3/4")	108	TS3092-2	YS3092-6A
32	76	44.4 (1 3/4")	112	TS3276-1	YS3276-6A
34.9	94	44.4 (1 3/4")	126	TS3594-1	YS3594-6A
34.9	106.3	44.4 (1 3/4")	130	TS34106-1	YS34106-6A
35	106.3	44.4 (1 3/4")	130	TS35106-1-G	YS35106-6A-G
36	89	44.4 (1 3/4")	128	TS3689-1	YS3689-6A
39	118	44.4 (1 3/4")	140	TS39118A	YS39118-6A
42	104.5	44.4 (1 3/4")	140	TS42104-1	YS42104-6A

YOKES SPLINE – 8 SPLINES, 38 MM (1 1/2")



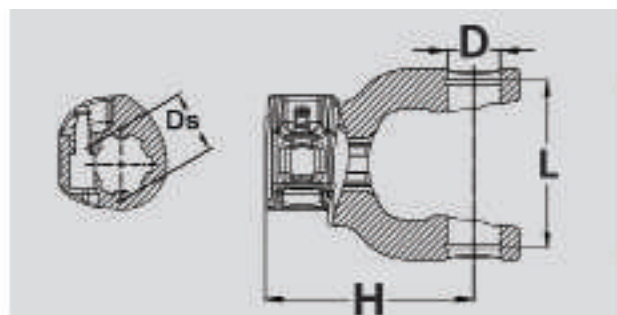
D (mm)	L (mm)	Ds (mm)	H (mm)	Part number	New part number
22	54	38 (1 1/2")	94	TS2254-8	YS2254-8
23.8	61.3	38 (1 1/2")	102	TS2361-8	YS2361-8
27	70	38 (1 1/2")	102	TS2770-8	YS2770-8
27	74.6	38 (1 1/2")	107	TS2774-8	YS2774-8
28	73	38 (1 1/2")	105	TS2873-8	YS2873-8
30.2	80	38 (1 1/2")	112	TS3080-8	YS3080-8
30.2	92	38 (1 1/2")	120	TS3092-8	YS3092-8
32	76	38 (1 1/2")	120	TS3276-8	YS3276-8
34.9	94	38 (1 1/2")	126	TS3594-8	YS3594-8
34.9	106.3	38 (1 1/2")	98	TS34106-8	YS34106-8
35	98	38 (1 1/2")	120	TS3598-8	YS3598-8
36	89	38 (1 1/2")	130	TS3689-8	YS3689-8
39	118	38 (1 1/2")	142	TS39118-8	YS39118-8
39	118	42	140	TS39118-8B	YS39118-8-42
42	104.5	38 (1 1/2")	140	TS42104-8	YS42104-8

YOKES SPLINE – 20 SPLINES, 44.4 MM (1 3/4")



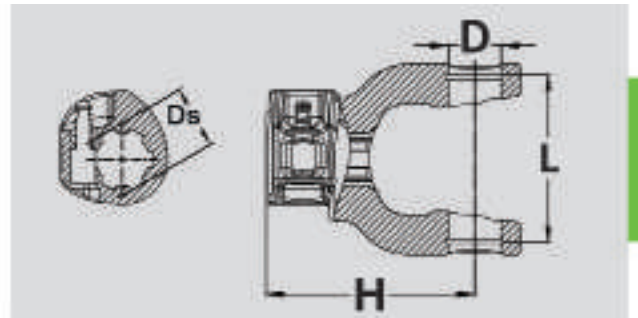
D (mm)	L (mm)	Ds (mm)	H (mm)	Part number	New part number
30.2	80	44.4 (1 3/4")	120	TS3080-20	YS3080-20
30.2	92	44.4 (1 3/4")	120	TS3092-20	YS3092-20
32	76	44.4 (1 3/4")	120	TS3276-20	YS3276-20
34.9	94	44.4 (1 3/4")	126	TS3594-20	YS3594-20
34.9	106.3	44.4 (1 3/4")	126	TS34106-20	YS34106-20
35	106.3	44.4 (1 3/4")	126	TS35106-20-G	YS35106-20-G
35	98	44.4 (1 3/4")	120	TS3598-20	YS3598-20
36	89	44.4 (1 3/4")	120	TS3689-20	YS3689-20
39	118	44.4 (1 3/4")	140	TS39118-20	YS39118-20
42	104.5	44.4 (1 3/4")	140	TS42104-20	YS42104-20

YOKES SPLINE – 6 SPLINES, 28.6 MM (1 1/8")



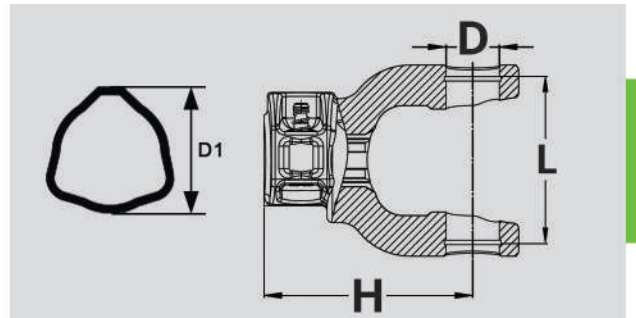
D (mm)	L (mm)	Ds (mm)	H (mm)	Part number	New part number
23.8	61.3	28.6 (1 1/8")	102	TS2361-2	YS2361-6-28
27	74.6	28.6 (1 1/8")	107	TS2774-2	YS2774-6-28

YOKES SPLINE - 21 SPLINES, 34.9 MM (1 3/8")



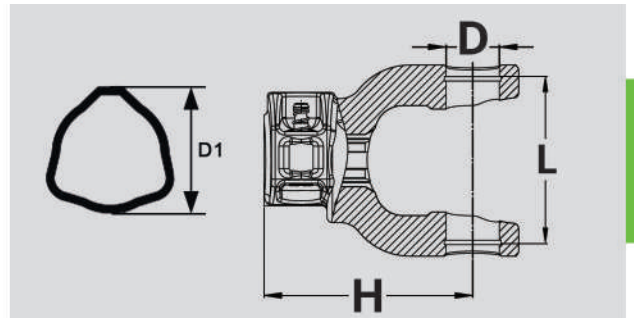
D (mm)	L (mm)	Ds (mm)	H (mm)	Part number	New part number
22	54	34.9 (1 3/8")	102	TS2254-21	YS2254-21
23.8	61.3	34.9 (1 3/8")	102	TS2361-21	YS2361-21
27	70	34.9 (1 3/8")	102	TS2770-21	YS2770-21
27	74.6	34.9 (1 3/8")	102	TS2774-21	YS2774-21
28	73	34.9 (1 3/8")	105	TS2873-21	YS2873-21
30.2	80	34.9 (1 3/8")	120	TS3080-21	YS3080-21
30.2	92	34.9 (1 3/8")	120	TS3092-21	YS3092-21
30.2	106.3	34.9 (1 3/8")	120	TS30106-21	YS30106-21
32	76	34.9 (1 3/8")	120	TS3276-21	YS3276-21
34.9	94	34.9 (1 3/8")	126	TS3594-21	YS3594-21
34.9	106.3	34.9 (1 3/8")	132	TS34106-21	YS34106-21
35	106.3	34.9 (1 3/8")	128	TS35106-21-G	YS35106-21-G
35	98	34.9 (1 3/8")	120	TS3598-21	YS3598-21
36	89	34.9 (1 3/8")	120	TS3689-21	YS3689-21
39	118	34.9 (1 3/8")	140	TS39118-21	YS39118-21
42	104.5	34.9 (1 3/8")	140	TS42104-21	YS42104-21

YOKES INNER - TUBE TRIANGLE



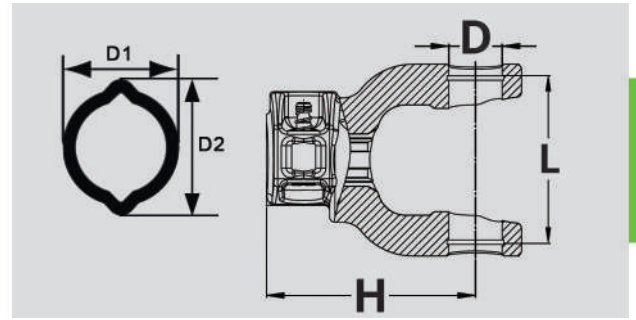
Ø D (mm)	Lenght L (mm)	Diameter D1 (D2) (mm)	Height H (mm)	Ø Slide ring (mm)	Catalog number
22	54	26	67	33/55	YT2254-264
22	54	33	67	40/60	YT2254-332
23.8	61.3	29	75	40/55	YT2361-294
23.8	61.3	36	75	46/60	YT2361-363
27	70	36	95	46/60	YT2770-364
27	70	43.5	95	53/65	YT2770-433
27	74.6	36	85	46/60	YT2774-364
27	74.6	43.5	85	53/65	YT2774-433
28	73	36	85	46/60	YT2873-364
28	73	43.5	85	53/65	YT2873-433
30.2	80	45	98	54/75	YT3080-454
30.2	80	51.6	98	62/80	YT3080-523
30.2	92	45	105	60/75	YT3092-455
30.2	92	54	105	68/80	YT3092-544
30.2	106.3	45	118	60/75	YT30106-455
30.2	106.3	54	118	68/80	YT30106-544
32	76	45	98	54/75	YT3276-455
32	76	54	98	62/80	YT3276-544
34.9	106.3	54	120	68/90	YT34106-544
34.9	106.3	63	120	82/97	YT34106-634
34.9	106.3	45	120	60/75	YT34106-454-G

YOKES INNER - TUBE TRIANGLE



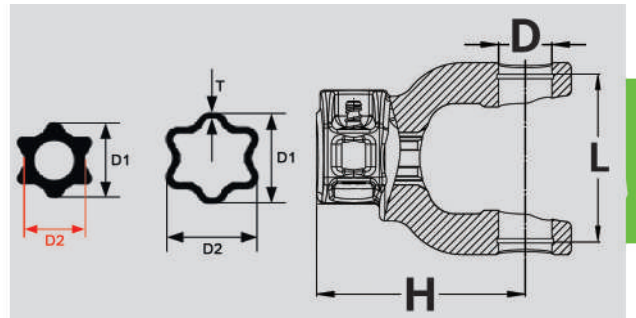
Ø D (mm)	Lenght L (mm)	Diameter D1 (D2) (mm)	Height H (mm)	Ø Slide ring (mm)	Catalog number
35	106.3	54	120	68/90	YT35106-545-P
35	106.3	63	120	82/97	YT35106-634-P
34.9	94	45	106	60/75	YT3594-455
34.9	94	54	106	68/80	YT3594-544
35	98	45	103	54/75	YT3598-454
35	98	52	103	62/80	YT3598-523
35	98	54	103	62/80	YT3598-544
36	89	45	105	60/75	YT3689-455
36	89	54	115	68/80	YT3689-544

YOKES INNER - TUBE LEMON



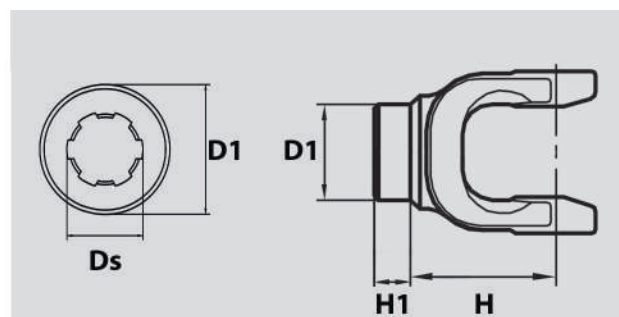
Ø D (mm)	Lenght L (mm)	Diameter D1 (D2) (mm)	Height H (mm)	Ø Slide ring (mm)	Catalog number
22	54	23.5 (31)	66	40/55	YL2254-235
22	54	23.5 (31)	80	34/55	YL2254-235-P
22	54	29.8 (39)	66	40/60	YL2254-303
23.8	61.3	34.5 (40)	75	52/60	YL2361-344
23.8	61.3	41 (48)	75	53/65	YL2361-413
23.8	61.3	41 (48)	80	52/60	YL2361-413-P
27	70	34.5 (40)	95	46/60	YL2770-344
27	70	41 (48)	90	50/65	YL2770-413
27	74.6	34.5 (40)	85	50/60	YL2774-344
27	74.6	34.5 (40)	94	46/60	YL2774-344-P
27	74.6	41 (48)	85	50/65	YL2774-413
27	74.6	41 (48)	90	53/65	YL2774-413-P
27	74.6	48.3 (58.5)	85	62/80	YL2774-484
27	74.6	39.7 (49)	85	62/75	YL2774-395
30.2	80	39.7 (49)	100	60/75	YL3080-395
30.2	80	48.3 (58.5)	100	68/80	YL3080-484
30.2	92	39.7 (49)	105	60/75	YL3092-395
30.2	92	48.3 (58.5)	105	68/80	YL3092-484
32	76	39.7 (49)	92	62/75	YL3276-395
32	76	39.7 (49)	100	60/75	YL3276-395-P
32	76	48.3 (58.5)	92	62/80	YL3276-484
32	76	48.3 (58.5)	100	68/80	YL3276-484-P
36	89	39,7 (49)	115	60/75	YL3689-395
36	89	48,3 (58,5)	115	68/80	YL3689-484

YOKES INNER - TUBE STAR



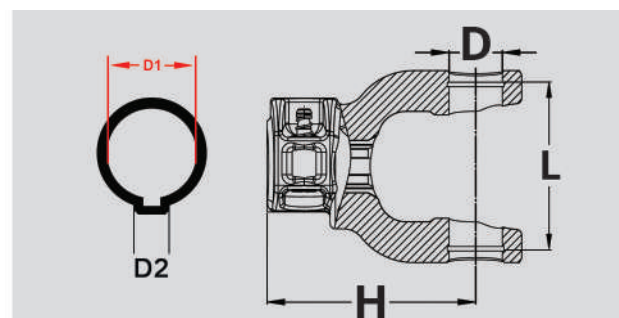
Ø D (mm)	Lenght L (mm)	Diameter D1 (D2) (mm)	Height H (mm)	Ø Slide ring (mm)	Catalog number
30.2	92	51 (37)	105	62/75	YS3092-510
30.2	92	51 (37)	105	60/75	YS3092-510-P
30.2	92	61 (47)	105	68/80	YS3092-614
30.2	106.3	51 (37)	118	62/75	YS30106-510
30.2	106.3	51 (37)	118	60/75	YS30106-510-P
30.2	106.3	61 (47)	117	62/80	YS30106-614
30.2	106.3	61 (47)	117	68/80	YS30106-614-P
32	76	51 (37)	92	62/75	YS3276-510
32	76	61 (47)	92	62/80	YS3276-614
34.9	106.3	51 (37)	120	68/90	YS34106-510
34.9	106.3	61 (47)	120	82/97	YS34106-614
35	106.3	51 (37)	120	60/75	YS35106-510-P
35	106.3	61 (47)	120	68/80	YS35106-614-P
36	89	51 (37)	105	60/75	YS3689-510-P
36	89	51 (37)	110	62/75	YS3689-510
36	89	61 (47)	110	62/80	YS3689-614
36	89	61 (47)	110	68/80	YS3689-614-P
39	118	51 (37)	130	68/75	YS39118-510
39	118	61 (47)	130	68/80	YS39118-614
42	104.5	51 (37)	116	68/90	YS42104-616
42	104.5	71 (57.5)	116	82/97	YS42104-715

YOKES TUBE / SPLINE INNER



Ø Diameter D (mm)	Joint hight L (mm)	Number of splines/diameter Ds (mm)	Hole diameter D1 (mm)	Fork height H (mm)	Groove height H1 (mm)	Catalog number
35	98	8 / 38	55.2	84	15	YS2774-345
39	118	8 / 42	55.2	100	15	YS3276-400

YOKES BORE

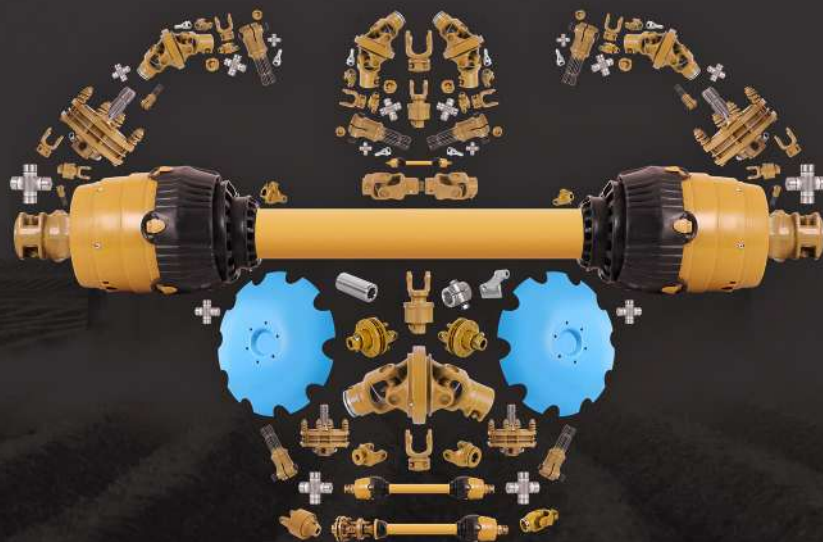


Ø D (mm)	Lenght L (mm)	Diameter D1 (mm)	Height H (mm)	Wedge width D2	Catalog number
22	54	25	89	8	YK2254-25
22	54	30	89	8	YK2254-30
23.8	61.3	25	98	8	YK2361-25
23.8	61.3	30	98	8	YK2361-30
27	70	25	92	8	YK2770-25
27	70	30	92	10	YK2770-30
27	74.6	25	92	8	YK2774-25
27	74.6	30	105	8	YK2774-30
27	74.6	35	105	8	YK2774-35

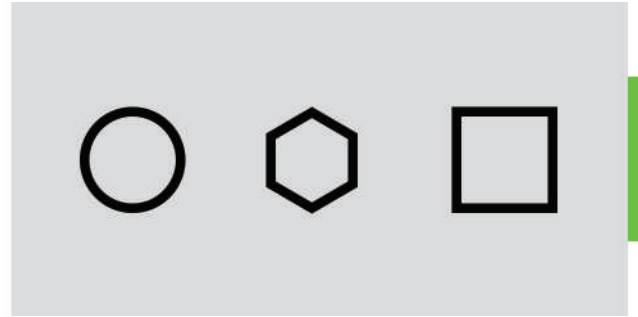
YOKES BORE

Ø D (mm)	Lenght L (mm)	Diameter D1 (mm)	Height H (mm)	Wedge width D2	Catalog number
28	73	25	84	8	YK2873-25
28	73	30	84	8	YK2873-30
30.2	92	30	118	8	YK3092-30
30.2	92	35	118	8 + 10	YK3092-35
30.2	92	35	118	8	YK3092-35-1
32	76	30	115	8	YK3276-30
32	76	35	115	8	YK3276-35
35	98	30	120	8	YK3598-30
35	98	35	120	10	YK3598-35
39	118	35	140	10	YK39118-35
39	118	40	140	12	YK39118-40

POWER in the field.



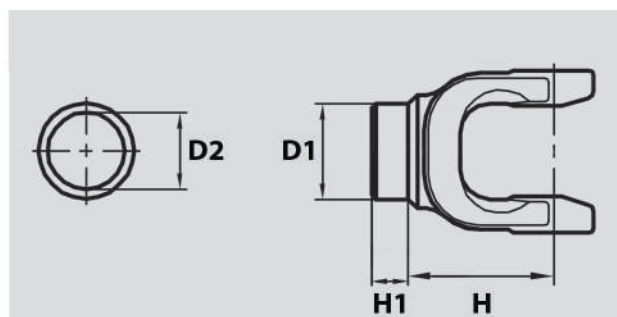
YOKES PROFILE HOLE



Ø Diameter D (mm)	Joint hight L (mm)	Hole diameter / edge length Ø (mm)	Lenght H (mm)	Catalog number
23.8	61.3	circle Ø 25	85	YP2361-C25
27	70	circle Ø 22	92	YP2770-C22
27	70	circle Ø 25	92	YP2770-C25
27	70	hexagon Ø 28.6 / 32.8 (hole diameter)	101	YP2770-H29
27	74	circle Ø 35	90	YP2774-C35
28	73	square 28 x 28	85	YP2873-S28
28	73	hexagon Ø 28.6 / 32.8 (hole diameter)	105	YP2873-H29
30.2	92	circle Ø 35	104	YP3092-C35
32	76	circle Ø 35	105	YP3276-C35
32	76	hexagon Ø 28.6 / 32.8 (hole diameter)	110	YP3276-H29
35	98	square 30.2 x 30.2	120	YP3598-S30
35	98	hexagon Ø 28.6 / 32.8 (hole diameter)	120	YP3598-H29
36	89	hexagon Ø 28.6 / 32.8 (hole diameter)	128	YP3689-H29

Attention: **C** - circle, **H** - hexagon, **S** - square

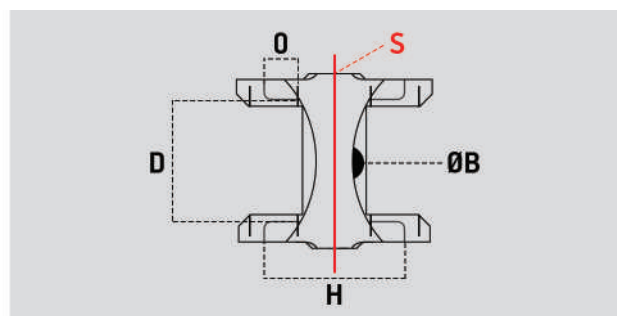
YOKES TUBE INNER



Ø D (mm)	Joint Height L (mm)	Hole diameter / outside diameter D1 / D2 (mm)	Spline height H (mm)	H1 (mm)	Catalog number
28	73	46.2 / 31	70	12	YO2873-45-70
35	98	55.2 / 42	82	15	YO3598-55-82
35	98	55.2 / 42	89	30	YO3598-55-89

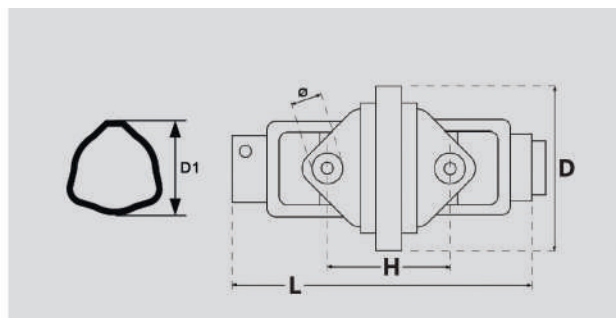
Note: H - High

WIDE ANGLE JOINT CENTRAL YOKES 50°



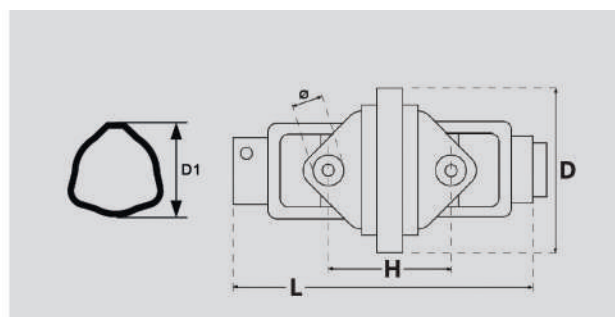
UJ dimensions (mm) (O) x (D)	Ø Diameter S (mm)	Height H (mm)	ØB ball diameter	Catalog number
23.8 x 61.3	-	80	-	WJCY2361A
27 x 74.6	-	90	-	WJCY2774A
30.2 x 92	-	100	-	WJCY3092A

WIDE ANGLE JOINTS 80° - TUBE TRIANGLE (2327)



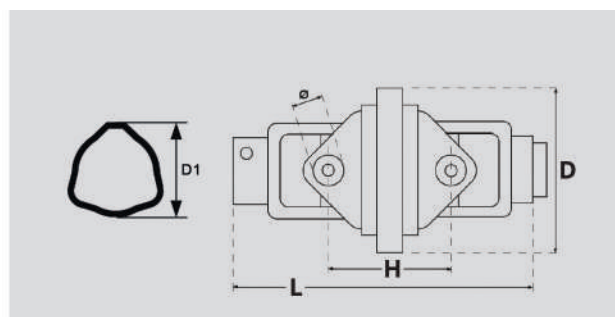
Ø Bearing diameter (mm) x cross height (mm) combined cross	Diameter D (mm)	Length H/L (mm)	Ø Slide ring (mm)	Number of splines / tube type D1 (D2) (mm)	Catalog number
23.8 x 91 27 x 74.6	155	95/315	52/60	6 splines 34.9mm (1 3/8") / triangle 36mm	WAJ2327-6-T364
23.8 x 91 27 x 74.6	155	95/315	53/65	6 splines 34.9mm (1 3/8") / triangle 43mm	WAJ2327-6-T433
23.8 x 91 27 x 74.6	155	95/315	52/60	8 splines 36mm (1 1/2 ") / triangle 36mm	WAJ2327-8-T364
23.8 x 91 27 x 74.6	155	95/315	53/65	8 splines 36mm (1 1/2 ") / triangle 43mm	WAJ2327-8-T433
23.8 x 91 27 x 74.6	155	95/315	52/60	21 splines 34.9mm (1 3/8") / triangle 36mm	WAJ2327-21-T364
23.8 x 91 27 x 74.6	155	95/315	53/65	21 splines 34.9mm (1 3/8") / triangle 43mm	WAJ2327-21-T433

WIDE ANGLE JOINTS 80° - TUBE TRIANGLE (2732)



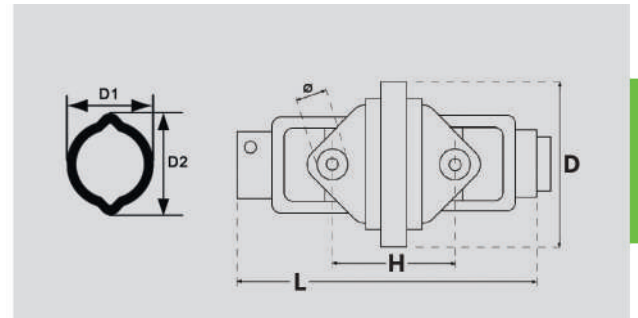
Ø Bearing diameter (mm) x cross height (mm) combined cross	Diameter D (mm)	Length H/L (mm)	Ø Slide ring (mm)	Number of splines / tube type D1 (D2) (mm)	Catalog number
27 x 94 32 x 76	165	105/335	60/75	6 splines 34.9mm (1 3/8") / triangle 45mm	WAJ2732-6-T455
27 x 94 32 x 76	171	105/337	68/80	6 splines 34.9mm (1 3/8") / triangle 54mm	WAJ2732-6-T544
27 x 94 32 x 76	165	105/335	60/75	6 splines 44.4mm (1 3/4") / triangle 45mm	WAJ2732-6A-T455
27 x 94 32 x 76	165	115/350	68/80	6 splines 44.4mm (1 3/4") / triangle 54mm	WAJ2732-6A-T544
27 x 94 32 x 76	165	105/355	60/75	8 splines 38mm (1 1/2") / triangle 45mm	WAJ2732-8-T455
27 x 94 32 x 76	165	115/350	68/80	8 splines 38mm (1 1/2") / triangle 54mm	WAJ2732-8-T544
27 x 94 32 x 76	165	105/335	60/75	20 splines 44.4mm (1 3/4") / triangle 45mm	WAJ2732-20-T455
27 x 94 32 x 76	165	105/335	68/80	20 splines 44.4mm (1 3/4") / triangle 54mm	WAJ2732-20-T544
27 x 94 32 x 76	165	105/343	60/75	21 splines 34.9mm (1 3/8") / triangle 45mm	WAJ2732-21-T455
27 x 94 32 x 76	165	115/350	68/80	21 splines 34.9mm (1 3/8") / triangle 54mm	WAJ2732-21-T544

WIDE ANGLE JOINTS 80° - TUBE TRIANGLE (3236)



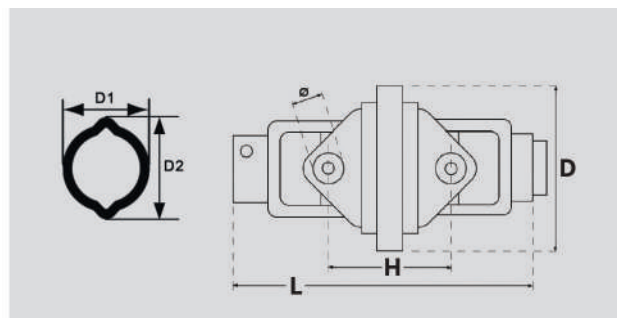
Ø Bearing diameter (mm) x cross height (mm) combined cross	Diameter D (mm)	Length H/L (mm)	Ø Slide ring (mm)	Number of splines / tube type D1 (D2) (mm)	Catalog number
32 x 106.3 36 x 89	184	118/348	62/75	6 splines 34.9mm (1 3/8") / triangle 45mm	WAJ3236-6-T455
32 x 106.3 36 x 89	184	118/352	68/80	6 splines 34.9mm (1 3/8") / triangle 54mm	WAJ3236-6-T544
32 x 106.3 36 x 89	184	118/348	62/75	6 splines 44.4mm (1 3/8") / triangle 45mm	WAJ3236-6A-T455
32 x 106.3 36 x 89	184	118/352	68/80	6 splines 44.4mm (1 3/8") / triangle 54mm	WAJ3236-6A-T544
32 x 106.3 36 x 89	184	118/348	62/75	8 splines 38mm (1 1/2") / triangle 45mm	WAJ3236-8-T455
32 x 106.3 36 x 89	184	118/352	68/80	8 splines 38mm (1 1/2") / triangle 54mm	WAJ3236-8-T544
32 x 106.3 36 x 89	184	118/348	62/75	20 splines 44.4mm (1 3/4") / triangle 45mm	WAJ3236-20-T455
32 x 106.3 36 x 89	184	118/352	68/80	20 splines 44.4mm (1 3/4") / triangle 54mm	WAJ3236-20-T544
32 x 106.3 36 x 89	184	118/348	62/75	21 splines 34.9mm (1 3/8") / triangle 45mm	WAJ3236-21-T455
32 x 106.3 36 x 89	184	118/352	68/80	21 splines 34.9mm (1 3/8") / triangle 54mm	WAJ3236-21-T544

WIDE ANGLE JOINTS 80° - TUBE LEMON (2327)



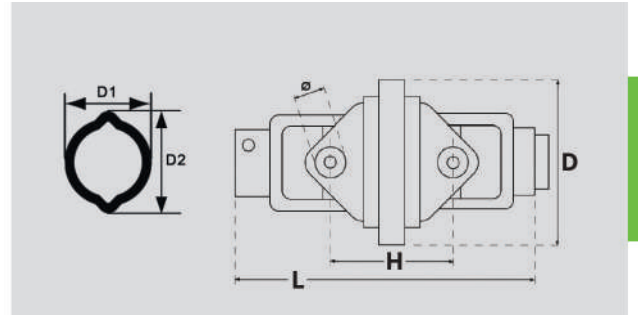
Ø Bearing diameter (mm) x cross height (mm) combined cross	Diameter D (mm)	Length H/L (mm)	Ø Slide ring (mm)	Number of splines / tube type D1 (D2) (mm)	Catalog number
23.8 x 91 27 x 74.6	155	95/315	50/60	6 splines 34.9mm (1 3/8 ") / lemon 34.5(40)mm	WAJ2327-6-L344
23.8 x 91 27 x 74.6	155	95/315	50/65	6 splines 34.9mm (1 3/8 ") / lemon 41(48)mm	WAJ2327-6-L413
23.8 x 91 27 x 74.6	155	95/315	50/60	8 splines 38mm (1 1/2") / lemon 34.5(40)mm	WAJ2327-8-L344
23.8 x 91 27 x 74.6	155	95/315	50/65	8 splines 38mm (1 1/2") / lemon 41(48)mm	WAJ2327-8-L413
23.8 x 91 27 x 74.6	155	95/315	50/60	21 splines 34.9mm / lemon 34.5 (40)mm	WAJ2327-21-L344
23.8 x 91 27 x 74.6	155	95/315	50/65	21 splines 34.9mm / lemon 41 (48)mm	WAJ2327-21-L413

WIDE ANGLE JOINTS 80° - TUBE LEMON (2732)



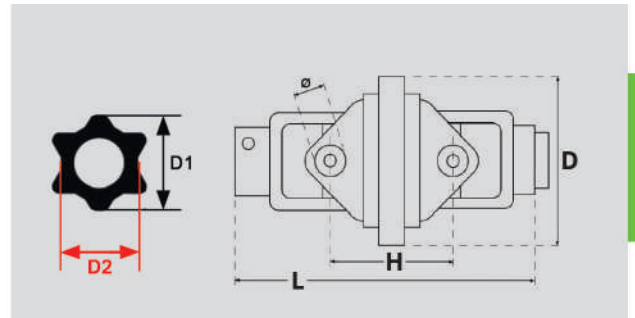
Ø Bearing diameter (mm) x cross height (mm) combined cross	Diameter D (mm)	Length H/L (mm)	Ø Slide ring (mm)	Number of splines / tube type D1 (D2) (mm)	Catalog number
27 x 94 32 x 76	165	105/337	60/75	6 splines 34.9mm (1 3/8 ") / lemon 39.7(49)mm	WAJ2732-6-L395
27 x 94 32 x 76	165	105/337	68/80	6 splines 34.9mm (1 3/8 ") / lemon 48.3(58.5)mm	WAJ2732-6-L484
27 x 94 32 x 76	165	105/337	60/75	6 splines 44.4mm (1 3/4") / lemon 39.7(49)mm	WAJ2732-6A-L395
27 x 94 32 x 76	165	105/337	68/80	6 splines 44.4mm (1 3/4") / lemon 48.3(58.5)mm	WAJ2732-6A-L484
27x94 32x76	165	115/350	62/75	8 splines 38mm (1 1/2") / lemon 39.7(49)mm	WAJ2732-8-L395
27x94 32x76	165	115/350	68/80	8 splines 38mm (1 1/2") / lemon 48.3(58.5)mm	WAJ2732-8-L484
27 x 94 32 x 76	165	105/337	62/75	20 splines 44.4mm (1 3/4") / lemon 39.7(49)mm	WAJ2732-20-L395
27 x 94 32 x 76	165	105/337	68/80	20 splines 44.4mm (1 3/4") / lemon 48.3(58.5)mm	WAJ2732-20-L484
27x94 32x76	165	105/337	62/75	21 splines 34.9mm (1 3/8 ") / lemon 39.7(49)mm	WAJ2732-21-L395
27x94 32x76	165	105/337	68/80	21 splines 34.9mm (1 3/8 ") / lemon 48.3(58.5)mm	WAJ2732-21-L484

WIDE ANGLE JOINTS 80° - TUBE LEMON (3236)



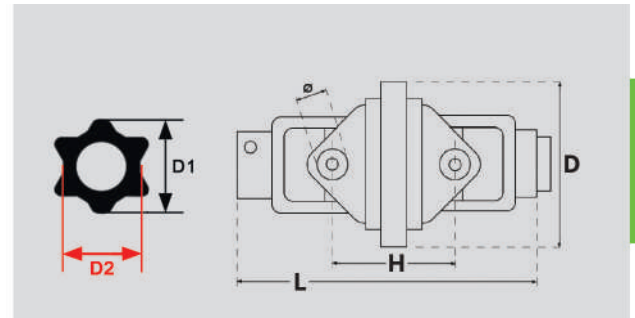
Ø Bearing diameter (mm) x cross height (mm) combined cross	Diameter D (mm)	Length H/L (mm)	Ø Slide ring (mm)	Number of splines / tube type D1 (D2) (mm)	Catalog number
32 x 106.3 36 x 89	182	182/348	62/75	6 splines 34.9mm (1 3/8 ") / lemon 39.7(49)mm	WAJ3236-6-L395
32 x 106.3 36 x 89	182	182/348	68/80	6 splines 34.9mm (1 3/8 ") / lemon 48.3(58.5)mm	WAJ3236-6-L484
32 x 106.3 36 x 89	182	182/348	62/75	6 splines 44.4mm (1 3/4") / lemon 39.7(49)mm	WAJ3236-6A-L395
32 x 106.3 36 x 89	182	182/348	68/80	6 splines 44.4mm (1 3/4") / lemon 48.3(58.5)mm	WAJ3236-6A-L484
32 x 106.3 36 x 89	182	182/348	62/75	8 splines 38mm (1 1/2") / lemon 39.7(49)mm	WAJ3236-8-L395
32 x 106.3 36 x 89	182	182/348	68/80	8 splines 38mm (1 1/2") / lemon 48.3(58.5)mm	WAJ3236-8-L484
32 x 106.3 36 x 89	182	182/348	62/75	20 splines 44.4mm (1 3/4") / lemon 39.7(49)mm	WAJ3236-20-L395
32 x 106.3 36 x 89	182	182/348	68/80	20 splines 44.4mm (1 3/4") / lemon 48.3(58.5)mm	WAJ3236-20-L484
32 x 106.3 36 x 89	182	182/348	62/75	21 splines 34.9mm (1 3/8 ") / lemon 39.7(49)mm	WAJ3236-21-L395
32 x 106.3 36 x 89	182	182/348	68/80	21 splines 34.9mm (1 3/8 ") / lemon 48.3(58.5)mm	WAJ3236-21-L484

WIDE ANGLE JOINTS 80° - TUBE STAR (2732)



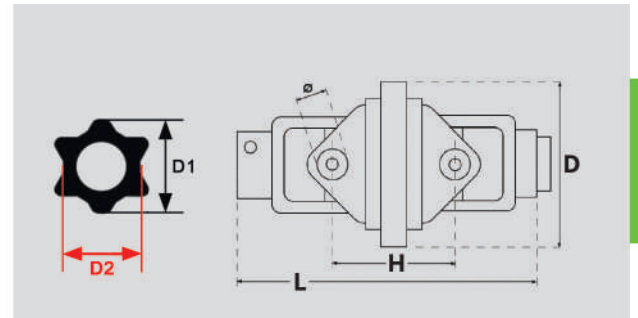
Ø Bearing diameter (mm) x cross height (mm) combined cross	Diameter D (mm)	Length H/L (mm)	Ø Slide ring (mm)	Number of splines / tube type D1 (D2) (mm)	Catalog number
27 x 94 32 x 76	165	105 / 337	60/75	6 splines 34.9mm (1 3/8 ") / star 51(37)mm	WAJ2732-6-S510
27 x 94 32 x 76	165	105 / 337	68/80	6 splines 34.9mm (1 3/8 ") / star 61(47)mm	WAJ2732-6-S614
27 x 94 32 x 76	165	115/350	60/75	6 splines 44.4mm (1 3/4") / star 51(37)mm	WAJ2732-6A-S510
27 x 94 32 x 76	165	115/350	68/80	6 splines 44.4mm (1 3/4") / star 61(47)mm	WAJ2732-6A-S614
27 x 94 32 x 76	165	115/350	60/75	8 splines 38mm (1 1/2") / star 51(37)mm	WAJ2732-8-S510
27 x 94 32 x 76	165	115/350	68/80	8 splines 38mm (1 1/2") / star 61(47)mm	WAJ2732-8-S614
27 x 94 32 x 76	165	115/350	60/75	20 splines 44.4mm (1 3/4") / star 51(37)mm	WAJ2732-20-S510
27 x 94 32 x 76	165	115/350	68/80	20 splines 44.4mm (1 3/4") / star 61(47)mm	WAJ2732-20-S614
27 x 94 32 x 76	165	115/350	60/75	21 splines 34.9mm (1 3/8 ") / star 51(37)mm	WAJ2732-21-S510
27 x 94 32 x 76	165	115/350	68/80	21 splines 34.9mm (1 3/8 ") / star 61(47)mm	WAJ2732-21-S614

WIDE ANGLE JOINTS 80° - TUBE STAR (3236)



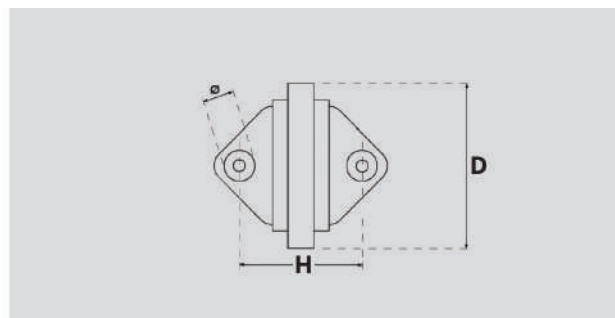
Ø Bearing diameter (mm) x cross height (mm) combined cross	Diameter D (mm)	Length H/L (mm)	Ø Slide ring (mm)	Number of splines / tube type D1 (D2) (mm)	Catalog number
32 x 106.3 36 x 89	184	118/342	68/80	6 splines 34.9mm (1 3/8 ") / star 51(37)mm	WAJ3236-6-S510
32 x 106.3 36 x 89	184	118/352	82/97	6 splines 34.9mm (1 3/8 ") / star 61(47)mm	WAJ3236-6-S614
32 x 106.3 36 x 89	184	118/362	62/80	6 splines 44.4mm (1 3/4 ") / star 51(37)mm	WAJ3236-6A-S510
32 x 106.3 36 x 89	184	118/348	82/97	6 splines 44.4mm (1 3/4 ") / star 61(47)mm	WAJ3236-6A-S614
32 x 106.3 36 x 89	184	118/341	68/80	8 splines 38mm (1 1/2 ") / star 51(37)mm	WAJ3236-8-S510
32 x 106.3 36 x 89	184	118/348	82/97	8 splines 38mm (1 1/2 ") / star 61(47)mm	WAJ3236-8-S614
32 x 106.3 36 x 89	184	118/382	68/80	20 splines 44.4mm (1 3/4 ") / star 51(37)mm	WAJ3236-20-S510
32 x 106.3 36 x 89	184	118/348	82/97	20 splines 44.4mm (1 3/4 ") / star 61(47)mm	WAJ3236-20-S614
32 x 106.3 36 x 89	184	118/352	68/80	21 splines 34.9mm (1 3/8 ") / star 51(37)mm	WAJ3236-21-S510
32 x 106.3 36 x 89	184	118/348	82/97	21 splines 34.9mm (1 3/8 ") / star 61(47)mm	WAJ3236-21-S614

WIDE ANGLE JOINTS 80° - TUBE STAR (3642)



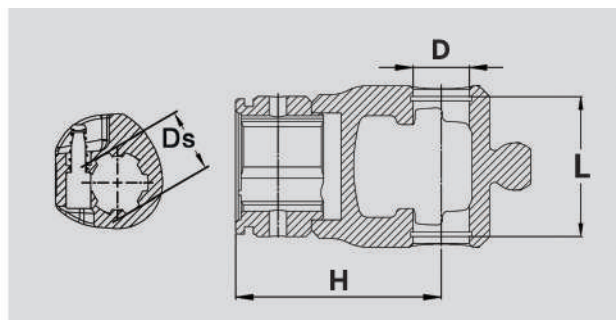
Ø Bearing diameter (mm) x cross height (mm) combined cross	Diameter D (mm)	Length H/L (mm)	Ø Slide ring (mm)	Number of splines / tube type D1 (D2) (mm)	Catalog number
36 x 124 42 x 104	190	124/400	68/90	6 splines 34.9mm (1 3/8 ") / star 61(47)mm	WAJ3642-6-S616
36 x 124 42 x 104	190	124/400	82/97	6 splines 34.9mm (1 3/8 ") / star 71(57.5)mm	WAJ3642-6-S715
36 x 124 42 x 104	190	124/400	68/90	6 splines 44.4mm (1 3/4") / star 61(47)mm	WAJ3642-6A-S616
36 x 124 42 x 104	190	124/400	82/97	6 splines 44.4mm (1 3/4") / 71 (57.5)mm	WAJ3642-6A-S715
36 x 124 42 x 104	190	124/400	68/90	20 splines 44.4mm (1 3/4") / star 61(47)mm	WAJ3642-20-S616
36 x 124 42 x 104	190	124/400	82/97	20 splines 44.4mm (1 3/4 ") / star 71(57.5)mm	WAJ3642-20-S715
36 x 124 42 x 104	190	124/400	68/90	21 splines 34.9mm (1 3/8 ") / star 61(47)mm	WAJ3642-21-S616
36 x 124 42 x 104	190	124/400	82/97	21 splines 34.9mm (1 3/8 ") / star 71(57.5)mm	WAJ3642-21-S715

WIDE ANGLE JOINT CENTRAL YOKES 80°



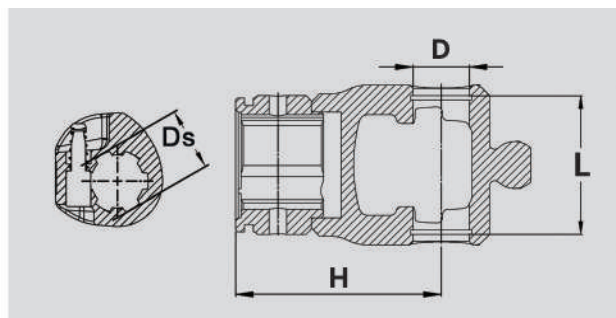
UJ dimensions (mm) (O) x (D)	Ø Diameter S (mm)	Height H (mm)	ØB ball diameter	Catalog number
23.8 x 91	155	95	20	WAJCY2327-80-P
23.8 x 91	155	95	24	WAJCY2327-80
27 x 94	166	105	27	WAJCY2794-80
27 x 94	166	105	29	WAJCY2794-80-P
27 x 100	180	120	-	WAJCY27100-80
30.2 x 106	190	130	-	WAJCY30106-80
32 x 106	184	118	-	WAJCY32106-80
32 x 106	184	118	-	WAJCY32106-80-P
36 x 124	190	124		WAJCY36124-80

YOKES WIDE ANGLE JOINT - 6 SPLINES



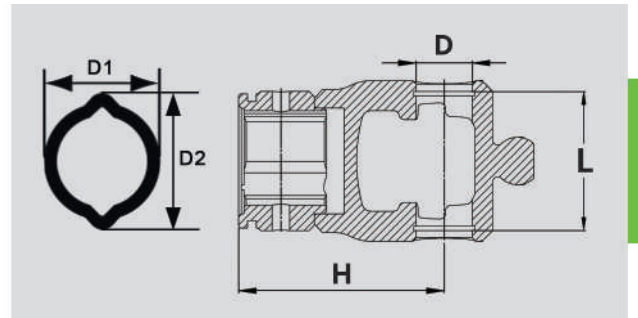
Ø D (mm)	Joint height L (mm)	Diameter Ds (mm)	Length H (mm)	Ball diameter (mm)	Catalog number
27	74.6	6 splines 34.9 (1 3/8")	116	24	YWAJ2774-6
27	74.6	6 splines 34.9 (1 3/8")	116	20	YWAJ2774-6-P
30.2	92	6 splines 34.9 (1 3/8")	140	27	YWAJ3092-6
32	76	6 splines 34.9 (1 3/8")	126	27	YWAJ3276-6
32	76	6 splines 44.4 (1 3/4")	126	27	YWAJ3276-6A
35	106.3	6 splines 34.9 (1 3/8")	150	30	YWAJ35106-6
36	89	6 splines 34.9 (1 3/8")	126	30	YWAJ3689-6
36	89	6 splines 44.4 (1 3/4")	126	30	YWAJ3689-6A
42	104	6 splines 34.9 (1 3/8")	155	39	YWAJ42104-6
42	104	6 splines 44.4 (1 3/4")	155	39	YWAJ42104-6A

YOKES WIDE ANGLE JOINT - 8, 20, 21 SPLINES



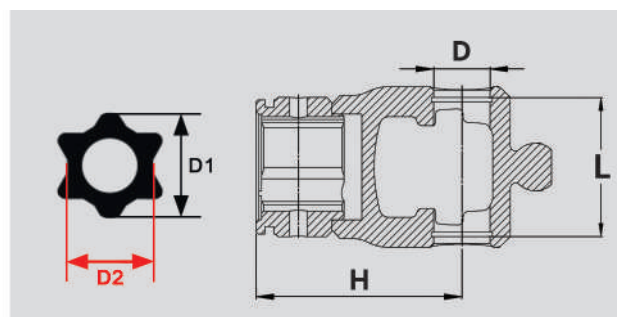
Ø D (mm)	Joint height L (mm)	Diameter Ds (mm)	Length H (mm)	Ball diameter (mm)	Catalog number
27	74.6	8 splines 38 (1 1/2")	116	24	YWAJ2774-8
27	74.6	21 splines 34.9 (1 3/8")	116	24	YWAJ2774-21
32	76	8 splines 38 (1 1/2")	126	27	YWAJ3276-8
32	76	20 splines 44.4 (1 3/4")	126	27	YWAJ3276-20
32	76	21 splines 34.9 (1 3/8")	126	27	YWAJ3276-21
36	89	8 splines 38 (1 1/2")	126	30	YWAJ3689-8
36	89	20 splines 44.4 (1 3/4")	126	30	YWAJ3689-20
36	89	21 splines 34.9 (1 3/8")	126	30	YWAJ3689-21
42	104	20 splines 44.4 (1 3/4")	155	39	YWAJ42104-20
42	104	21 splines 34.9 (1 3/8")	155	39	YWAJ42104-21

YOKES WIDE ANGLE JOINT - TUBE LEMON



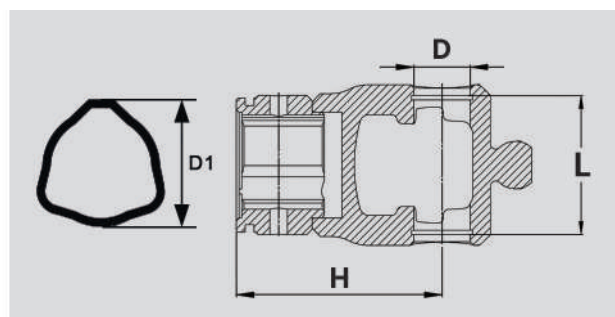
Ø D (mm)	Height L (mm)	Diameter D1 (D2) (mm)	Lenght H (mm)	Ball diameter (mm)	Ø Bearing diameter (mm)	Catalog number
27	74.6	34.5 (40)	104	24	50/65	YWAJ2774-L344
27	74.6	34.5 (40)	94	24	46/60	YWAJ2774-L344-P
27	74.6	41 (48)	104	24	52/60	YWAJ2774-L413
27	74.6	41 (48)	95	24	53/65	YWAJ2774-L413-P
30.2	92	39,7 (49)	115	27	60/75	YWAJ3092-L395
30.2	92	48,3 (58,5)	115	27	68/80	YWAJ3092-L484
32	76	39.7 (49)	118	27	60/75	YWAJ3276-L395
32	76	48.3 (58.5)	120	27	68/80	YWAJ3276-L484
36	89	39.7 (49)	115	30	60/75	YWAJ3689-L395
36	89	48.3 (58.5)	115	30	68/80	YWAJ3689-L484

YOKES WIDE ANGLE JOINT - TUBE STAR



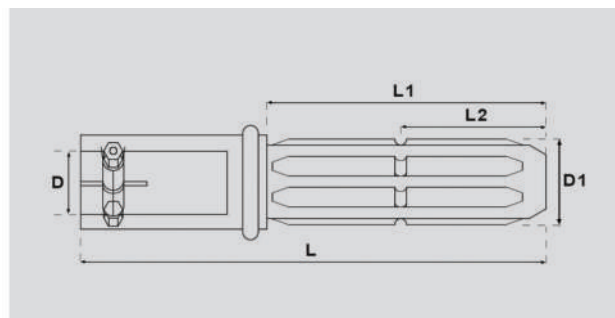
Ø D (mm)	Height L (mm)	Diameter D1 (D2) (mm)	Lenght H (mm)	Ball diameter (mm)	Ø Bearing diameter (mm)	Catalog number
30.2	92	51(37)	114	27	60/75	YWAJ3092-S510
30.2	92	61(47)	110	27	68/80	YWAJ3092-S614
32	76	51(37)	112	27	60/75	YWAJ3276-S510
32	76	61(47)	112	27	68/80	YWAJ3276-S614
35	106.3	51(37)	130	30	68/80 68/90	YWJA35106-S510
35	106.3	61(46)	130	30	82/97	YWAJ35106-S614
36	89	51(37)	112	30	68/80 68/90	YWAJ3689-S510
36	89	61(47)	112	30	82/97	YWAJ3689-S614
42	104	61(47)	130	39	68/90	YWAJ42104-S614
42	104	71(57.5)	130	39	82/97	YWAJ42104-S715

YOKES WIDE ANGLE JOINT - TUBE TRIANGLE



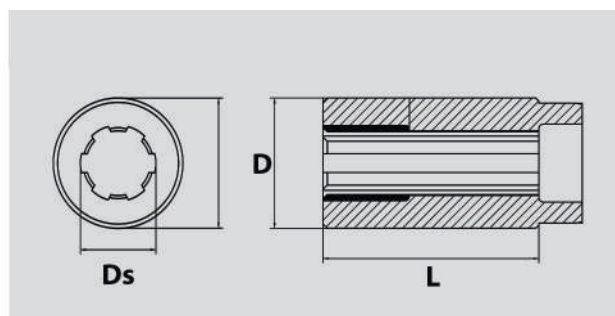
Ø D (mm)	Height L (mm)	Diameter D1 (D2) (mm)	Lenght H (mm)	Ball diameter (mm)	Ø Bearing diameter (mm)	Catalog number
27	74,6	36	105	24	50/65	YWAJ2774-T364
27	74	43	95	24	52/60	YWAJ2774-T433
30.2	92	45	115	27	60/75	YWAJ3092-T454
30.2	92	54	114	27	68/80	YWAJ3092-T544
32	76	45	120	27	62/75	YWAJ3276-T454
32	76	54	120	27	68/80	YWAJ3276-T544
32	76	52	120	27	68/80	YWAJ3276-T523
35	106.3	54	130	30	68/80 68/90	YWAJ35106-T545
35	106.3	63	125	30	82/97	YWAJ35106-T634
36	89	45	115	30	62/75	YWAJ3689-T455
36	89	54	118	30	68/80	YWAJ3689-T544

ADAPTERS



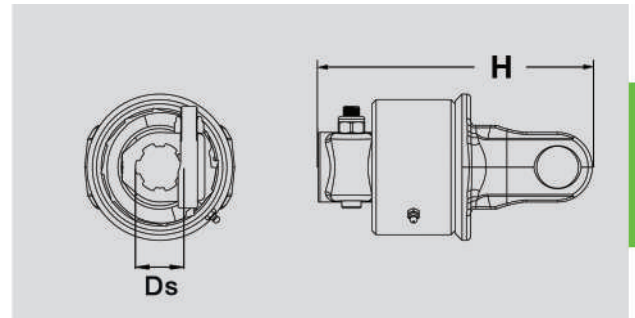
Number of splines / inner diameter D (mm)	Number of splines / outer diameter D1 (mm)	Total length L (mm)	L1/L2 (mm)	Part number	New part number
6 splines 34.9mm 1 3/8"	6 splines 44.4mm 1 3/4"	173	78/37.6	ADAPTO-66	AD-6-6A
6 splines 44.4mm 1 3/4"	6 splines 34.9mm 1 3/8"	173	78/37.6	ADAPTO-66-1	AD-6A-6
6 splines 34.9mm 1 3/8"	6 splines 34.9mm 1 3/8"	170	78/37.6	ADAPTO-66-2	AD-6-6
6 splines 34.9mm 1 3/8"	8 splines 38mm 1 1/2"	160	68/37.6	ADAPTO-68	AD-6-8
6 splines 44.4mm 1 3/4"	8 splines 38mm 1 1/2"	178	78/39.3	ADAPTO-68-1	AD-6A-8
6 splines 34.9mm 1 3/8"	20 splines 44.4mm 1 3/4"	185	89/37.6	ADAPTO-620	AD-6-20
6 splines 44.4mm 1 3/4"	20 splines 44.4mm 1 3/4"	189	89/37.6	ADAPTO-620-1	AD-6A-20
6 splines 34.9mm 1 3/8"	21 splines 34.9mm 1 3/8"	160	68/25.3	ADAPTO-621	AD-6-21
6 splines 44.4mm 1 3/4"	21 splines 34.9mm 1 3/8"	164	65/25.3	ADAPTO-621-1	AD-6A-21
8 splines 38mm 1 1/2"	6 splines 44.4mm 1 3/4"	173	78/37.6	ADAPTO-86	AD-8-6
8 splines 38mm 1 1/2"	6 splines 44.4mm 1 3/4"	173	78/37.6	ADAPTO-86-1	AD-8-6A
8 splines 38mm 1 1/2"	20 splines 44.4mm 1 3/4"	185	91/37.6	ADAPTO-820	AD-8-20
8 splines 38mm 1 1/2"	21 splines 34.9mm 1 3/8"	160	68/25.3	ADAPTO-821	AD-8-21
20 splines 44.4mm 1 3/4"	6 splines 34.9mm 1 3/8"	177	78/37.6	ADAPTO-206	AD-20-6
20 splines 44.4mm 1 3/4"	6 splines 44.4mm 1 3/4"	177	78/37.6	ADAPTO-206-1	AD-20-6A
20 splines 44.4mm 1 3/4"	8 splines 38mm 1 1/2"	178	81/39.6	ADAPTO-208	AD-20-8
20 splines 44.4mm 1 3/4"	21 splines 34.9mm 1 3/8"	165	65/25.3	ADAPTO-2021	AD-20-21
21 splines 34.9mm 1 3/8"	6 splines 34.9mm 1 3/8"	173	81/37.6	ADAPTO-216	AD-21-6
21 splines 34.9mm 1 3/8"	6 splines 44.4mm 1 3/4"	173	78/37.6	ADAPTO-216-1	AD-21-6A
21 splines 34.9mm 1 3/8"	8 splines 38mm 1 1/2"	173	81/39.3	ADAPTO-218	AD-21-8
21 splines 34.9mm 1 3/8"	20 splines 44.4mm 1 3/4"	185	91/37.6	ADAPTO-2120	AD-21-20

BUSHING SPLINES



6 splines 34.9mm (1 3/8")				
Number of splines Ds (mm)	Outer diameter D (mm)	Length L (mm)	Bolt lock	New part number
6 / 34.9mm (1 3/8")	54	60	-	BS-6-60-54
6 / 34.9mm (1 3/8")	54	60	+	BS-6-60-54B
6 / 34.9mm (1 3/8")	54	65	-	BS-6-65-54
6 / 34.9mm (1 3/8")	54	65	+	BS-6-65-54B
6 / 34.9mm (1 3/8")	54	80	-	BS-6-80-54
6 / 34.9mm (1 3/8")	54	100	-	BS-6-100-54
6 / 34.9mm (1 3/8")	54	120	-	BS-6-120-54
6 / 34.9mm (1 3/8")	54	130	-	BS-6-130-54
6 splines 44.4mm (1 3/4")				
6 / 44.4 (1 3/4")	62	60	-	BS-6A-60-62
6 / 44.4 (1 3/4")	62	65	-	BS-6A-65-62
6 / 44.4 (1 3/4")	62	80	-	BS-6A-80-62
20 splines 44.4mm (1 3/4")				
20 / 44.4mm (1 3/4")	62	60	-	BS-20-60-62
20 / 44.4mm (1 3/4")	62	65	-	BS-20-65-62
20 / 44.4mm (1 3/4")	62	80	-	BS-20-80-62
20 / 44.4mm (1 3/4")	62	100	-	BS-20-100-62
20 / 44.4mm (1 3/4")	62	120	-	BS-20-120-62
20 / 44.4mm (1 3/4")	62	130	-	BS-20-130-62
21 splines 34.9mm (1 3/8")				
21 / 34.9mm (1 3/8")	54	60	-	BS-21-60-54
21 / 34.9mm (1 3/8")	54	65	-	BS-21-65-54
21 / 34.9mm (1 3/8")	54	80	-	BS-21-80-54
21 / 34.9mm (1 3/8")	54	100	-	BS-21-100-54
21 / 34.9mm (1 3/8")	54	120	-	BS-21-120-54
21 / 34.9mm (1 3/8")	54	130	-	BS-21-130-54

AUTOMATIC CLUTCHES

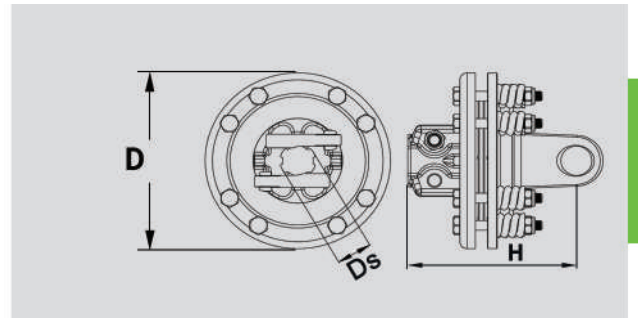


Ø D (mm)	UJ Hight (mm)	Diameter / Length H (mm)	Max torque (Nm)	Number of splines / diameter Ds (mm)	New part number
30.2	92	150 210	2100	6 splines 34.9mm (1 3/8")	AC3092-6-2100
30.2	92	150 210	2500	6 splines 34.9mm (1 3/8")	AC3092-6-2500
32	76	150 210	2500	21 splines 34.9mm (1 3/8")	AC3276-21-2500
32	76	150 210	2500	6 splines 34.9mm (1 3/8")	AC3276-6-2500
32	76	150 210	2500	6 splines 44.4mm (1 3/4")	AC3276-6A-2500
35	106.3	150 220	3000	6 splines 34.9mm (1 3/8")	AC35106-6-3000
35	106.3	150 220	3000	6 splines 44.4mm (1 3/4")	AC35106-6A-3000
36	89	150 210	2600	20 splines 44.4mm (1 3/4")	AC3689-20-2600
36	89	150 210	2600	21 splines 34.9mm (1 3/8")	AC3689-21-2600
36	89	150 210	2600	6 splines 34.9mm (1 3/8")	AC3689-6-2600
36	89	150 210	2600	6 splines 44.4mm (1 3/4")	AC3689-6A-2600
42	104	180 240	3500	20 splines 44.4mm (1 3/4")	AC42104-20-3500
42	104	180 240	3500	6 splines 44.4mm (1 3/4")	AC42104-6A-3500

FRICTION TORQUE LIMITER CLUTCHES



FCA

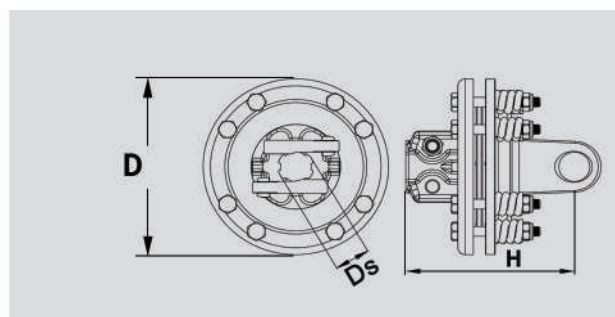


Ø D (mm)	Joint height L (mm)	Diameter / length H (mm)	Torque (Nm)	Friction discs quantity	Number of splines / diameter Ds (mm)	Part number	New part number
27	70	180 / 178	900	2	6 splines 34.9mm (1 3/8")	SC2770	FC2770-6-900
27	70	180 / 178	900	2	8 splines 38mm (1 1/2")	SC2770-1	FC2770-8-900
27	74.6	180 / 154	900	2	6 splines 34.9mm (1 3/8")	SC2774	FC2774-6-900
27	74.6	200 / 154	1200	2	6 splines 34.9mm (1 3/8")	SC2774-1	FC2774-6-1200
27	74.6	200 / 154	900	2	21 splines 34.9mm (1 3/8")	SC2774-2	FC2774-21-900
28	73	180 / 154	900	2	6 splines 34.9mm (1 3/8")	SC2873	FC2873-6-900
28	73	180 / 154	900	2	8 splines 38mm (1 1/2")	SC2873-1	FC2873-8-900
30.2	80	180 / 154	900	2	6 splines 34.9mm (1 3/8")	SC3080	FC3080-6-900
30.2	80	200 / 154	1200	2	6 splines 34.9mm (1 3/8")	SC3080-1	FC3080-6-1200
30.2	80	200 / 168	2000	4	6 splines 34.9mm (1 3/8")	SC3080-2	FC3080-6-2000
30.2	80	200 / 160	2000	4	6 splines 44.4mm (1 3/4")	SC3080-7	FC3080-6A-2000
30.2	80	200 / 160	2000	4	20 splines 44.4mm (1 3/4")	SC3080-8	FC3080-20-2000
30.2	80	180 / 150	900	2	21 splines 34.9mm (1 3/8")	SC3080-3	FC3080-21-900
30.2	80	200 / 145	1200	2	21 splines 34.9mm (1 3/8")	SC3080-4	FC3080-21-1200
30.2	80	180 / 160	2000	3	21 splines 34.9mm (1 3/8")	SC3080-5	FC3080-21-2000
30.2	80	200 / 160	2400	4	21 splines 34.9mm (1 3/8")	SC3080-6	FC3080-21-2400
30.2	92	180 / 161	900	1	6 splines 34.9mm (1 3/8")	SC3092	FC3092-6-900
30.2	92	200 / 161	1200	3	6 splines 34.9mm (1 3/8")	SC3092-1	FC3092-6-1200
30.2	92	200 / 155	1500	4	6 splines 34.9mm (1 3/8")	SC3092-2	FC3092-6-1500
30.2	92	200 / 170	2000	4	6 splines 34.9mm (1 3/8")	SC3092-3	FC3092-6-2000
30.2	92	200 / 155	1200	3	6 splines 44.4mm (1 3/4")	SC3092-10	FC3092-6A-1200
30.2	92	200 / 170	2000	4	6 splines 44.4mm (1 3/4")	SC3092-4	FC3092-6A-2000
30.2	92	200 / 170	2000	4	8 splines 38mm (1 1/2")	SC3092-8	FC3092-8-2000
30.2	92	200 / 150	1200	3	20 splines 44.4mm (1 3/4")	SC3092-11	FC3092-20-1200
30.2	92	200 / 170	2000	4	20 splines 44.4mm (1 3/4")	SC3092-5	FC3092-20-2000

FRICITION TORQUE LIMITER CLUTCHES



FCA

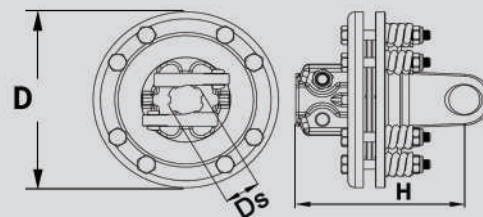


Ø D (mm)	Joint height L (mm)	Diameter / length H (mm)	Torque (Nm)	Friction discs quantity	Number of splines / diameter Ds (mm)	Part number	New part number
30.2	92	170 / 155	900	2	21 splines 34.9mm (1 3/8")	SC3092-7	FC3092-21-900
30.2	92	180 / 170	1200	3	21 splines 34.9mm (1 3/8")	SC3092-9	FC3092-21-1200
30.2	92	200 / 170	2000	4	21 splines 34.9mm (1 3/8")	SC3092-6	FC3092-21-2000
30.2	106.3	180 / 175	2400	4	20 splines 44.4mm (1 3/4")	SC30106, SC30106-20	FC30106-20-2400
32	76	200 / 180	1450	4	6 splines 34.9mm (1 3/8")	SC3276	FC3276-6-1450
32	76	200 / 180	1450	4	6 splines 44.4mm (1 3/4")	SC3276-3	FC3276-6A-1450
32	76	200 / 180	1450	4	8 splines 38mm (1 1/2")	SC3276-8	FC3276-8-1450
32	76	200 / 180	1450	4	21 splines 34.9mm (1 3/8")	SC3276-1	FC3276-21-1450
32	76	200 / 180	1450	4	20 splines 44.4mm (1 3/4")	SC3276-2	FC3276-20-1450
34.9	106.3	200 / 182	2500	4	6 splines 34.9mm (1 3/8")	SC34106	FC34106-6-2500
34.9	106.3	200 / 160	2500	4	6 splines 44.4mm (1 3/4")	SC34106-1	FC34106-6A-2500
34.9	106.3	200 / 185	2500	4	21 splines 34.9mm (1 3/8")	SC34106-3	FC34106-21-2500
34.9	106.3	200 / 165	1200	3	21 splines 34.9mm (1 3/8")	SC34106-4	FC34106-21-1200
34.9	106.3	200 / 165	1200	3	6 splines 44.4mm (1 3/4")	SC34106-5	FC34106-6A-1200
34.9	106.3	200 / 165	1200	3	20 splines 44.4mm (1 3/4")	SC34106-6	FC34106-20-1200
34.9	106.3	200 / 180	2500	4	20 splines 44.4mm (1 3/4")	SC34106-2	FC34106-20-2500
34.9	106.3	200 / 180	2500	4	8 splines 38mm (1 1/2")	SC34106-8	FC34106-8-2500
35	98	200 / 182	1700	4	6 splines 34.9mm (1 3/8")	SC3598	FC3598-6-1700
35	98	200 / 182	2500	4	8 splines 38mm (1 1/2")	SC3598-1	FC3598-8-2500
35	98	200 / 188	1700	2	8 splines 38mm (1 1/2")	SC3598-8	FC3598-8-1700
36	89	200 / 195	1700	4	6 splines 34.9mm (1 3/8")	SC3689	FC3689-6-1700
36	89	200 / 200	1700	4	6 splines 44.4mm (1 3/4")	SC3689-1	FC3689-6A-1700
36	89	200 / 200	1700	4	21 splines 34.9mm (1 3/8")	SC3689-2	FC3689-21-1700
36	89	200 / 200	1700	4	20 splines 44.4mm (1 3/4")	SC3689-3, SC3689-20	FC3689-20-1700

FRICTION TORQUE LIMITER CLUTCHES

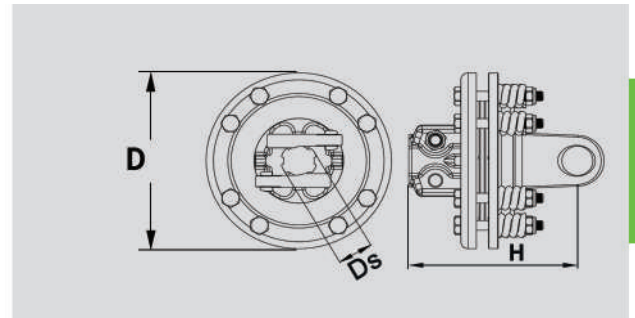


FCA



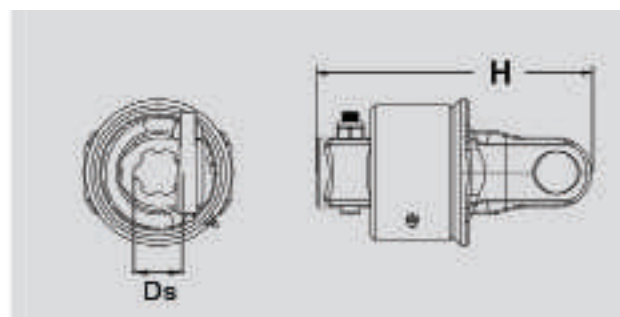
Ø D (mm)	Joint height L (mm)	Diameter / length H (mm)	Torque (Nm)	Friction discs quantity	Number of splines / diameter Ds (mm)	Part number	New part number
36	89	200 / 200	1700	4	8 splines 38mm (1 1/2")	SC3689-8	FC3689-8-1700
41	118	195 / 185	2400	4	6 splines 34.9mm (1 3/8")	SC41118	FC41118-6-2400
42	104.5	200 / 160	2000	4	6 splines 34.9mm (1 3/8")	SC42104	FC42104-6-2000
42	104.5	200 / 180	2000	4	6 splines 44.4mm (1 3/4")	SC42104-1	FC42104-6A-2000
42	104.5	200 / 180	2000	4	8 splines 38mm (1 1/2")	SC42104-8	FC42104-8-2000
42	104.5	200 / 180	2000	4	20 splines 44.4mm (1 3/4")	SC42104-2, SC42104-20	FC42104-20-2000
42	104.5	200 / 180	2000	4	21 splines 34.9mm (1 3/8")	SC42104-3	FC42104-21-2000
-	Universal	160 / 190	600	1	6 / 34.9 (1 3/8") 6 / 34.9 (1 3/8")	SCDM-66	FCA66-600-1
-	Universal	180 / 200	900	1	6 / 34.9 (1 3/8") 6 / 34.9 (1 3/8")	SCDM-66-1	FCA66-900-1
-	Universal	200 / 195	1200	2	6 / 34.9 (1 3/8") 6 / 34.9 (1 3/8")	SCDM-66-2	FCA66-1200-2
-	Universal	180 / 171	1500	3	6 / 34.9 (1 3/8") 6 / 34.9 (1 3/8")	SCDM-66-3	FCA66-1500-3
-	Universal	200 / 210	1200	4	6 / 34.9 (1 3/8") 6 / 34.9 (1 3/8")	SCDM-66-4	FCA66-1200-4
-	Universal	200 / 195	1200	4	6 / 44.4mm (1 3/4") 6 / 44.4mm (1 3/4")	SCDM-66-5	FCA66A-1200-4
-	Universal	200 / 200	600	1	8 / 38mm (1 1/2") 8 / 38mm (1 1/2")	SCDM-88	FCA88-600-1
-	Universal	180 / 195	900	2	21 / 34.9mm (1 3/8") 21 / 34.9mm (1 3/8")	SCDM-121	FCA2121-900-2
-	Universal	200 / 195	1200	3	21 / 34.9mm (1 3/8") 21 / 34.9mm (1 3/8")	SCDM-121-1	FCA2121-1200-3

FRICITION TORQUE OVERRUNNING CLUTCH



Ø D (mm)	Joint height L (mm)	Diameter / length H (mm)	Torque (Nm)	Friction discs quantity	Number of splines/ diameter Ds (mm)	Part number	New part number
200	34.9 x 106.3	180	1200	2	6 splines 44.4mm (1 3/4")	safety bolt	FOC34106-6A-1200B
200	34.9 x 106.3	180	1200	2	6 splines 34.9mm (1 3/8")	safety bolt	FOC34106-6-1200B
200	34.9 x 106.3	180	1200	2	6 splines 34.9mm (1 3/8")	safety latch	FOC34106-6-1200
200	30.2 x 92	180	1200	2	6 splines 44.4mm (1 3/4")	safety bolt	FOC3092-6A-1200B
200	30.2 x 92	180	1200	2	6 splines 34.9mm (1 3/8")	safety bolt	FOC3092-6-1200B
200	30.2 x 92	180	1200	2	6 splines 34.9mm (1 3/8")	safety latch	FOC3092-6-1200
200	30.2 x 106.3	180	1200	2	6 splines 44.4mm (1 3/4")	safety bolt	FOC30106-6A-1200B
200	30.2 x 106.3	180	1200	2	6 splines 34.9mm (1 3/8")	safety bolt	FOC30106-6-1200B
200	30.2 x 106.3	180	1200	2	6 splines 34.9mm (1 3/8")	safety latch	FOC30106-6-1200

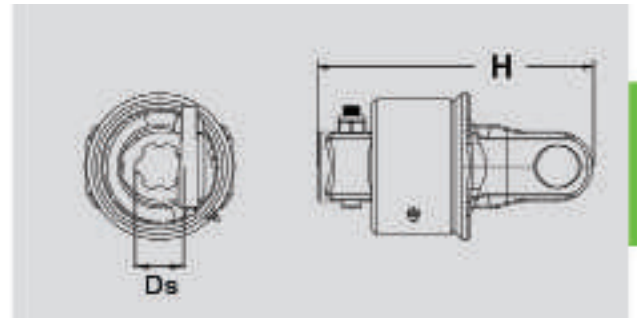
OVERRUNNING CLUTCHES



Ø D (mm)	UJ Hight (mm)	Diameter / Length H (mm)	Max torque (Nm)	Number of splines / diameter Ds (mm)	Part number	New part number
22	54	102 135	2400	6 splines 34.9mm (1 3/8")	SK2254	OC2254-6-2400
23.8	61.3	102 147(129)	2400	6 splines 34.9mm (1 3/8")	SK2361, SK2361-1	OC2361-6-2400
27	70	102 152(190)	2400	6 splines 34.9mm (1 3/8")	SK2770, SK2770-1	OC2770-6-2400
27	70	102 192	2400	8 splines 38mm (1 1/2")	SK2770-8	OC2770-8-2400
27	74.6	102 137	1600	6 splines 34.9mm (1 3/8")	SK2774-1	OC2774-6-1600
27	74.6	102 155(137)	2400	6 splines 34.9mm (1 3/8")	SK2774	OC2774-6-2400
27	74.6	102 156	2400	6 splines 44.4mm (1 3/4")	SK2774-2	OC2774-6A-2400
27	74.6	102 156	2400	8 splines 38mm (1 1/2")	SK2774-8	OC2774-8-2400
27	74.6	102 155	3800	21 splines 34.9mm (1 3/8")	SK2774-3	OC2774-21-3800
27	74.6	102 166	1600	6 splines 34.9mm (1 3/8")	SK2774L	OC2774-6-1600L-G
27	74.6	102 156	2400	6 splines 34.9mm (1 3/8")	SK2774L-1	OC2774-6-2400L
28	73	102 159	2400	6 splines 34.9mm (1 3/8")	SK2873	OC2873-6-2400
28	73	102 159	2400	8 splines 38mm (1 1/2")	SK2873-1	OC2873-8-2400
30.2	80	102 145	1600	6 splines 34.9mm (1 3/8")	SK3080	OC3080-6-1600
30.2	80	102 165	2400	6 splines 34.9mm (1 3/8")	SK3080-1	OC3080-6-2400
30.2	80	102 165	3800	6 splines 34.9mm (1 3/8")	SK3080-2	OC3080-6-3800
30.2	80	102 155	3800	21 splines 34.9mm (1 3/8")	SK3080-3	OC3080-21-3800
30.2	80	102 155	2400	6 splines 34.9mm (1 3/8")	SK3080-4, SK3080L	OC3080-6-2400L
30.2	92	102 147	1600	6 splines 34.9mm (1 3/8")	SK3092	OC3092-6-1600

Note: L - left rotation

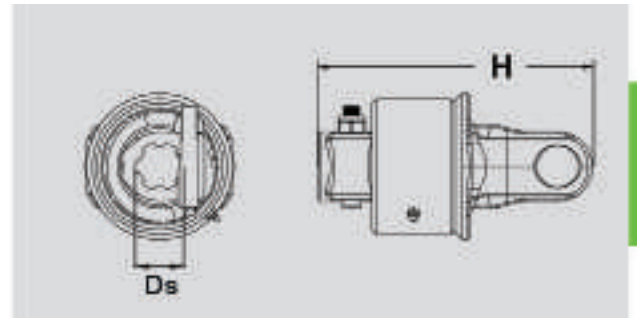
OVERRUNNING CLUTCHES



Ø D (mm)	UJ Hight (mm)	Diameter / Length H (mm)	Max torque (Nm)	Number of splines / diameter Ds (mm)	Part number	New part number
30.2	92	106(102) 147(166)	2400	6 splines 34.9mm (1 3/8")	SK3092-1, SK3092-2	OC3092-6-2400
30.2	92	102 166	3800	6 splines 34.9mm (1 3/8")	SK3092-3	OC3092-6-3800
30.2	92	102 195	2400	6 splines 44.4mm (1 3/4")	SK3092-4	OC3092-6A-2400
30.2	92	102 195	2400	20 splines 44.4mm (1 3/4")	SK3092-6	OC3092-20-2400
30.2	92	102 166	2400	21 splines 34.9mm (1 3/8")	SK3092-5	OC3092-21-2400
30.2	92	102 170	3800	21 splines 34.9mm (1 3/8")	SK3092-5	OC3092-21-3800
30.2	92	102 180	2400	6 splines 34.9mm (1 3/8")	SK3092-L1	OC3092-6-2400L
32	76	102 163	3800	6 splines 34.9mm (1 3/8")	SK3276, SK3276-2	OC3276-6-3800
32	76	102 163	3800	6 splines 44.4mm (1 3/4")	SK3276-1	OC3276-6A-3800
32	76	102 163	3800	8 splines 38mm (1 1/2")	SK3276-8	OC3276-8-3800
35	106.3	102 180	1600	6 splines 34.9mm (1 3/8")	SK34106	OC35106-6-1600-G
34.9	106.3	102 200	2400	6 splines 34.9mm (1 3/8")	SK34106-1	OC34106-6-2400
34.9	106.3	102 170	3800	21 splines 34.9mm (1 3/8")	SK34106-2	OC34106-21-3800
35	106.3	102 180	1600	6 splines 34.9mm (1 3/8")	SK34106	OC35106-6-1600-G
35	106.3	102 200	2400	6 splines 34.9mm (1 3/8")	SK34106-1	OC35106-6-2400-G
35	106.3	102 200	2400	20 splines 44.4mm (1 1/2")	SK34106-3	OC35106-20-2400-G
35	106.3	102 175	2400	21 splines 34.9mm (1 3/8")	SK34106-2	OC35106-21-2400-G
35	98	102 196	3000	6 splines 34.9mm (1 3/8")	SK3598	OC3598-6-3000
35	98	102 195	3000	8 splines 38mm (1 1/2")	SK3598-1	OC3598-8-3000

Note: L - left rotation

OVERRUNNING CLUTCHES



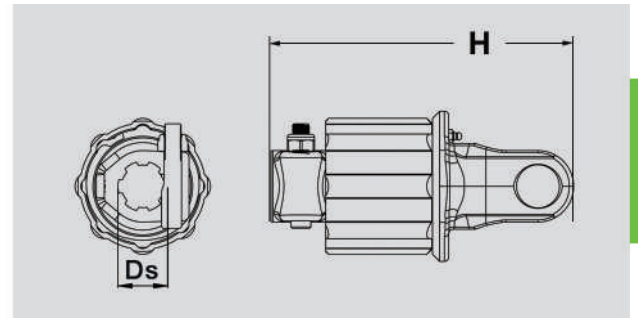
Ø D (mm)	UJ Hight (mm)	Diameter / Length H (mm)	Max torque (Nm)	Number of splines / diameter Ds (mm)	Part number	New part number
36	89	102 195	3000	6 splines 34.9mm (1 3/8")	SK3689	OC3689-6-3000
36	89	102 195	3000	6 splines 44.4mm (1 3/4")	SK3689-1	OC3689-6A-3000
36	89	102 193	3800	6 splines 34.9mm (1 3/8")	SK3689-2	OC3689-6-3800
36	89	102 195	3000	8 splines 38mm (1 1/2")	SK3689-8	OC3689-8-3000
-	Universal	102 195	1200	6 / 34.9mm (1 3/8") 6 / 34.9mm (1 3/8")	SKDM-66-4	OCA66-1200
-	Universal	102 195	1600	6 / 34.9mm (1 3/8") 6 / 34.9mm (1 3/8")	SKDM-66	OCA66-1600
-	Universal	102 195	1600	6 / 34.9mm (1 3/8") 6 / 34.9mm (1 3/8")	SKDM-66-1	OCA66-1600L
-	Universal	102 195	2400	6 / 34.9mm (1 3/8") 6 / 34.9mm (1 3/8")	SKDM-66-2	OCA66-2400
-	Universal	102 195	2400	6 / 34.9mm (1 3/8") 6 / 34.9mm (1 3/8")	SKDM-66-3	OCA66-2400L
-	Universal	102 215	1600	6 / 34.9mm (1 3/8") 8 / 38mm (1 1/2")	SKDM-68	OCA68-1600
-	Universal	102 215	1600	8 / 38mm (1 1/2") 6 / 34.9mm (1 3/8")	SKDM-86	OCA86-1600
-	Universal	102 220	1600	8 / 38mm (1 1/2") 8 / 38mm (1 1/2")	SKDM-88	OCA88-1600
-	Universal	102 190	2400	6 / 34.9mm (1 3/8") 21 / 34.9mm (1 3/8")	SKDM-621	OCA621-2400
-	Universal	102 210	3800	6 / 34.9mm (1 3/8") 21 / 34.9mm (1 3/8")	SKDM-621-1	OCA621-3800

Note: L - left rotation

RATCHET TORQUE LIMITER CLUTCHES



RCA

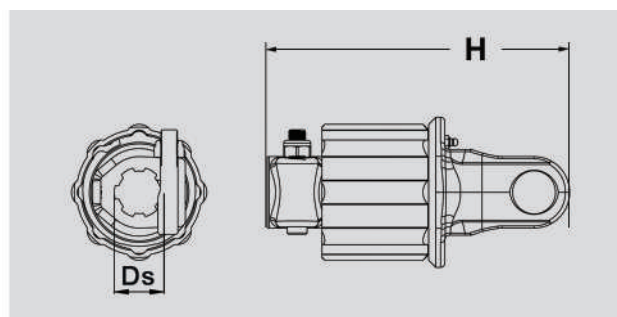


Ø D (mm)	UJ Hight	Diameter / Length H (mm)	Max torque (Nm)	Number of splines / diameter Ds (mm)	Catalog number
22	54	95 / 100	300	6 splines / 34.9mm (1 3/8")	RC2254-6-300
22	54	95 / 120	600	6 splines / 34.9mm (1 3/8")	RC2254-6-600
23.8	61.3	95 / 114	300	6 splines / 34.9mm (1 3/8")	RC2361-6-300
23.8	61.3	95 / 135	600	6 splines / 34.9mm (1 3/8")	RC2361-6-600
23.8	61.3	95 / 151	900	6 splines / 34.9mm (1 3/8")	RC2361-6-900
27	74.6	95 / 142	600	6 splines / 34.9mm (1 3/8")	RC2774-6-600
27	74.6	95 / 160	900	6 splines / 34.9mm (1 3/8")	RC2774-6-900
27	74.6	95 / 178	1200	6 splines / 34.9mm (1 3/8")	RC2774-6-1200
30.2	80	95 / 171	900	6 splines / 34.9mm (1 3/8")	RC3080-6-900
30.2	80	95 / 190	1200	6 splines / 34.9mm (1 3/8")	RC3080-6-1200
30.2	92	95 / 171	900	6 splines / 34.9mm (1 3/8")	RC3092-6-900
30.2	92	95 / 190	1200	6 splines / 34.9mm (1 3/8")	RC3092-6-1200
30.2	92	102 / 170	900	21 splines / 34.9mm (1 3/8")	RC3092-21-900
30.2	92	102 / 190	1200	21 splines / 34.9mm (1 3/8")	RC3092-21-1200
32	76	95 / 171	900	6 splines / 34.9mm (1 3/8")	RC3276-6-900
32	76	95 / 187	1200	6 splines / 34.9mm (1 3/8")	RC3276-6-1200
32	76	95 / 190	900	21 splines / 34.9mm (1 3/8")	RC3276-21-900
32	76	95 / 200	1200	21 splines / 34.9mm (1 3/8")	RC3276-21-1200

RATCHET TORQUE LIMITER CLUTCHES

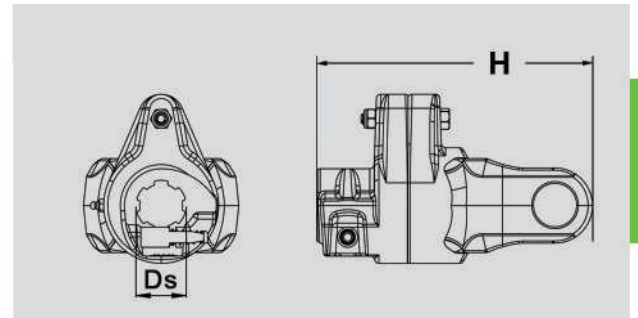


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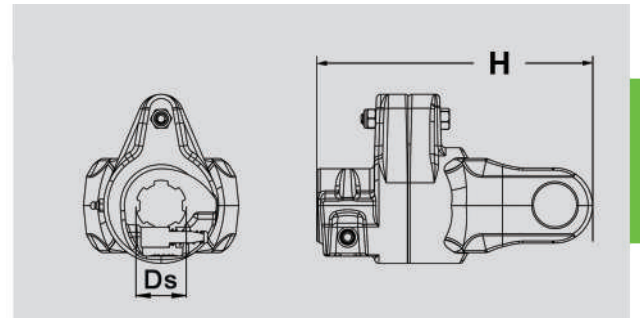
Ø D (mm)	UJ Hight	Diameter / Length H (mm)	Max torque (Nm)	Number of splines / diameter Ds (mm)	Catalog number
34.9	106.3	95 / 190	900	6 splines / 34.9mm (1 3/8")	RC34106-6-900
34.9	106.3	95 / 210	1200	6 splines / 34.9mm (1 3/8")	RC34106-6-1200
34.9	106.3	95 / 190	900	21 splines / 34.9mm (1 3/8")	RC34106-21-900
34.9	106.3	95 / 210	1200	21 splines / 34.9mm (1 3/8")	RC34106-21-1200
35	98	95 / 187	900	6 splines / 34.9mm (1 3/8")	RC3598-6-900
36	89	95 / 200	900	6 splines / 34.9mm (1 3/8")	RC3689-6-900
36	89	95 / 220	1200	6 splines / 34.9mm (1 3/8")	RC3689-6-1200
36	89	95 / 200	900	21 splines / 34.9mm (1 3/8")	RC3689-21-900
36	89	95 / 200	1200	21 splines / 34.9mm (1 3/8")	RC3689-21-1200
-	Universal	100 / 175	300	6 / 34.9mm (1 3/8") 6 / 34.9mm (1 3/8")	RCA66-300
-	Universal	100 / 196	600	6 / 34.9mm (1 3/8") 6 / 34.9mm (1 3/8")	RCA66-600
-	Universal	100 / 214	900	6 / 34.9mm (1 3/8") 6 / 34.9mm (1 3/8")	RCA66-900
-	Universal	100 / 232	1200	6 / 34.9mm (1 3/8") 6 / 34.9mm (1 3/8")	RCA66-1200

SHEAR BOLT TORQUE LIMITER CLUTCHES



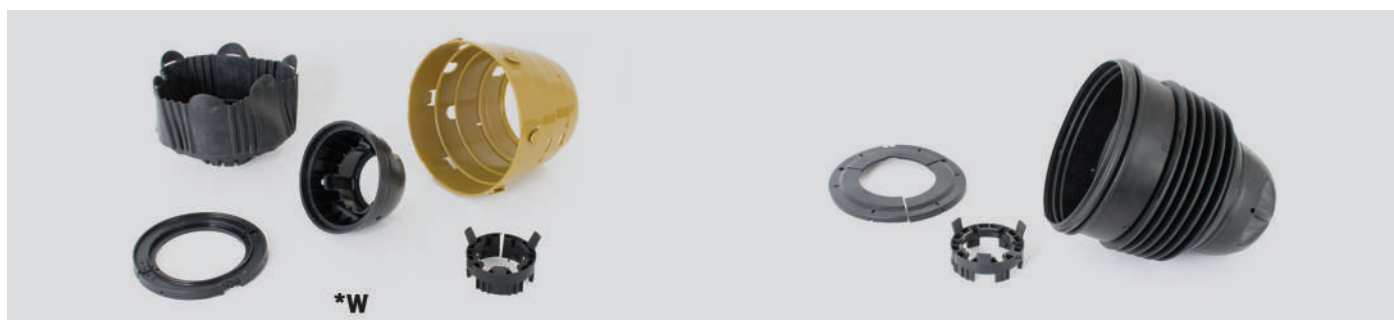
Ø D (mm)	UJ Hight (mm)	Diameter / Length H (mm)	Max torque (Nm)	Number of splines Ds (mm)	New part number
23.8	61.3	100	900	6 splines / 34.9mm (1 3/8")	SB2361-6-900
23.8	61.3	125	1250	6 splines / 34.9mm (1 3/8")	SB2361-6-1250
27	74.6	112	1400	6 splines / 34.9mm (1 3/8")	SB2774-6-1400
27	74.6	112	1700	6 splines / 34.9mm (1 3/8")	SB2774-6-1700
27	74.6	120	1400	21 splines / 34.9mm (1 3/8")	SB2774-21-1400
30.2	80	110	2100	6 splines / 34.9mm (1 3/8")	SB3080-6-2100
30.2	80	130	2400	6 splines / 34.9mm (1 3/8")	SB3080-6-2400
30.2	80	130	2100	21 splines / 34.9mm (1 3/8")	SB3080-21-2100
30.2	92	142	2100	6 splines / 34.9mm (1 3/8")	SB3092-6-2100
30.2	92	142	2700	6 splines / 34.9mm (1 3/8")	SB3092-6-2700
30.2	92	165	3100	6 splines / 34.9mm (1 3/8")	SB3092-6-3100
30.2	92	156	2700	6 splines / 44.4mm (1 3/4")	SB3092-6A-2700
30.2	92	150	2500	20 splines / 44.4mm (1 3/4")	SB3092-20-2500
30.2	92	150	2100	21 splines / 34.9mm (1 3/8")	SB3092-21-2100
32	76	118	2100	6 splines / 34.9mm (1 3/8")	SB3276-21-2100
32	76	120	2100	21 splines / 34.9mm (1 3/8")	SB3276-21-2100

SHEAR BOLT TORQUE LIMITER CLUTCHES



Ø D (mm)	UJ Hight (mm)	Diameter / Length H (mm)	Max torque (Nm)	Number of splines Ds (mm)	New part number
34.9	94	140	2700	6 splines / 34.9mm (1 3/8")	SB3594-6-2700-G
34.9	94	140	3100	6 splines / 34.9mm (1 3/8")	SB3594-6-3100-G
34.9	94	140	3500	6 splines / 34.9mm (1 3/8")	SB3594-6-3500-G
34.9	94	140	4200	6 splines / 34.9mm (1 3/8")	SB3594-6-4200-G
34.9	106.3	148	3500	6 splines / 34.9mm (1 3/8")	SB34106-6-3500
34.9	106.3	148	3500	6 splines / 44.4mm (1 3/4")	SB34106-6A-3500
35	106.3	148	4200	6 splines / 34.9mm (1 3/8")	SB35106-6-4200-G
35	106.3	140	3500	20 splines / 44.4mm (1 3/4")	SB35106-20-3500-G
35	98	165	2900	6 splines / 34.9mm (1 3/8")	SB3598-6-2900
35	98	170	3100	6 splines / 34.9mm (1 3/8")	SB3598-6-3100
35	98	165	2900	8 splines / 34.9mm (1 3/8")	SB3598-8-2900
36	89	141	2900	6 splines / 34.9mm (1 3/8")	SB3689-6-2900
36	89	120	2900	6 splines / 44.4mm (1 3/4")	SB3689-6A-2900
36	89	120	2900	20 splines / 44.4mm (1 3/4")	SB3689-20-2900
36	89	120	2900	21 splines / 34.9mm (1 3/8")	SB3689-21-2900
32	76	120	2100	21 splines / 34.9mm (1 3/8")	SB3276-21-2100

WIDE ANGLE JOINT PLASTIC SHIELD



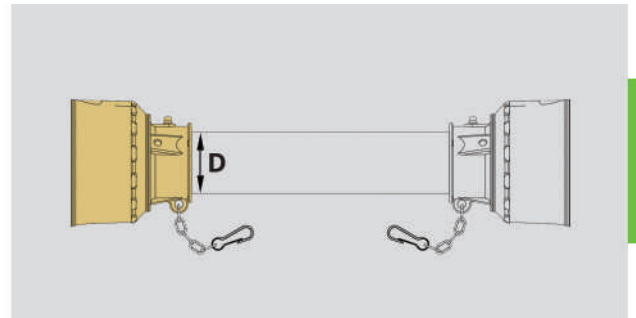
Application		Part number	New part number
Combined joint	Model		
23.8 x 91 27 x 74.6	DK2327	OSLPTO-DK2327	SWAJ-2327
23.8 x 91 27 x 74.6	DK2327	OSLPTO-DK2327IN	SWAJ-2327W
27 x 94 32 x 76	DK2732	OSLPTO-DK2732IN	SWAJ-2732W
32 x 106.3 36 x 89	DK3236	OSLPTO-DK3236	SWAJ-3236
32 x 106.3 36 x 89	DK3236	OSLPTO-DK3236IN	SWAJ-3236W

PTO SHAFT PLASTIC COVER CHAIN



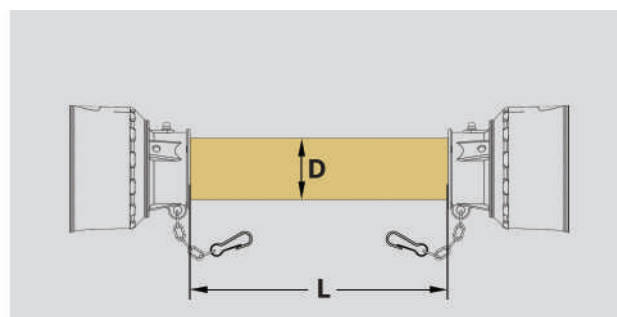
Length L (mm)	Part number	New part number
600	LANC1	CHAIN

CONE PLASTIC SHIELD



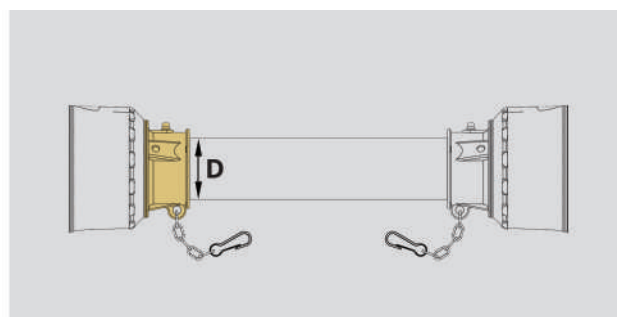
Ø Tube diameter D (mm)	Part number	New part number
55	KOL55	S55
60	KOL60	S60
65	KOL65	S65
75	KOL75	S75
75	KOL75-Z	S75P
80	KOL80	S80
80	KOL80-Z	S80P
90	KOL90	S90
97	KOL97	S97

PLASTIC TUBE SHIELD



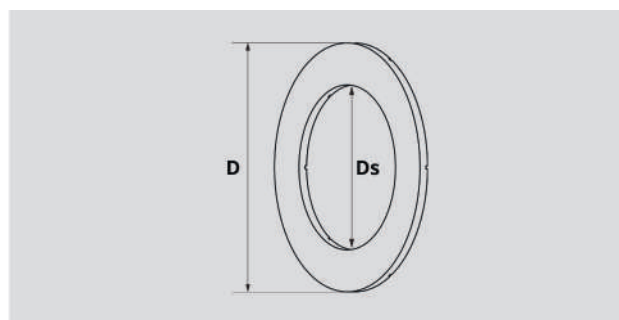
Length L (mm)	Ø Diameter D (mm)	Part number	New part number
1000	55 / 60	RUR55-60-100	TP55-60-1000
1500	55 / 60	RUR55-60-150	TP55-60-1500
2000	55 / 60	RUR55-60-200	TP55-60-2000
1500	60 / 65	RUR60-65-150	TP60-65-1500
2000	60 / 65	RUR60-65-200	TP60-65-2000
3000	60 / 65	RUR60-65-300	TP60-65-3000
800	75 / 80	RUR75-80-80-Z	TP75-80-800P
2000	75 / 80	RUR75-80-100-Z	TP75-80-1000P
1500	75 / 80	RUR75-80-140-Z	TP75-80-1400P
1500	75 / 80	RUR75-80-150	TP75-80-1500
1500	75 / 80	RUR75-80-200	TP75-80-2000
1500	75 / 80	RUR75-80-300	TP75-80-3000
1500	90 / 97	RUR90-97-150	TP90-97-1500
2000	90 / 97	RUR90-97-200	TP90-97-2000

SLIDE RINGS PLASTIC SHIELD



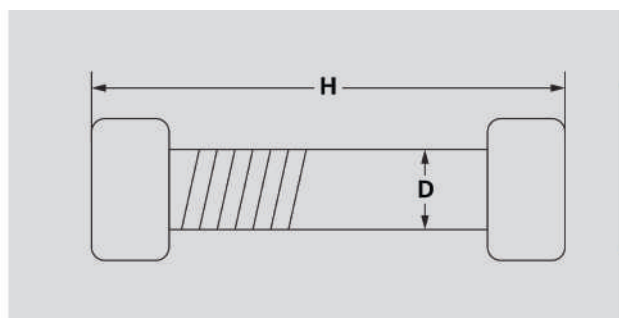
Ø Tube diameter D (mm)	Ø For slide D (mm)	Part number	New part number
55	34	SLI34-55	SR34-55
55	40	SLI40-55	SR40-55
60	40	SLI40-60	SR40-60
55	42	SLI42-55	SR42-55
60	42	SLI42-60	SR42-60
60	46	SLI46-60	SR46-60
60	48	SLI48-60	SR48-60
60	52	SLI52-60	SR52-60
65	50	SLI50-65	SR50-65
65	53	SLI53-65	SR53-65
75	54	SLI54-75	SR54-75
75	54	SLI54-75-Z	SR54-75P
75	60	SLI60-75	SR60-75
75	62	SLI62-75	SR62-75
80	62	SLI62-80	SR62-80
80	62	SLI62-80-Z	SR62-80P
80	68	SLI68-80	SR68-80
90	68	SLI68-90	SR68-90
97	82	SLI82-97	SR82-97

FRICTION CLUTCH DISKS



$\varnothing$ D (mm)	Hole diameter (mm)	Catalog number
140	85	FCD140-85
160	97	FCD160-97

SHEAR BOLTS FOR CLUTCHES

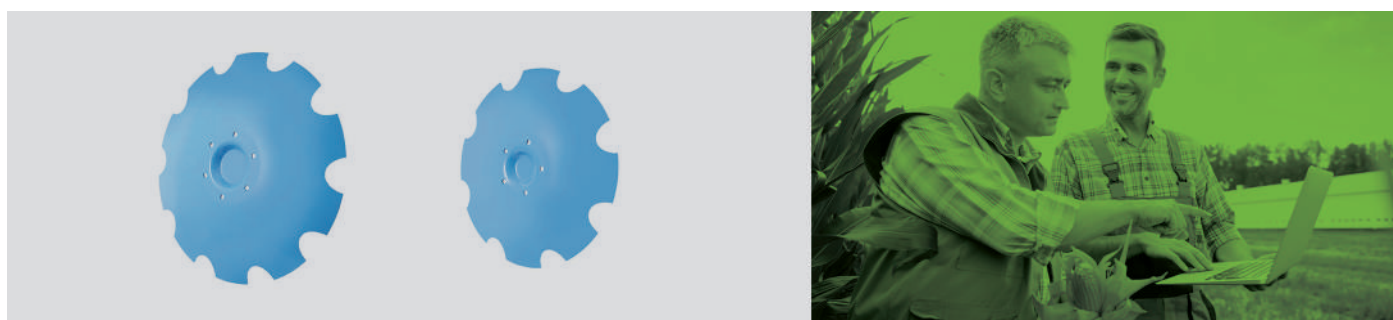


Diameter / Length D (mm) / H (mm)	Lenght H (mm)	Catalog number
6	40	SB6-40
6	45	SB6-45
8	50	SB8-50
10	55	SB10-55
10	60	SB10-60
12	65	SB12-65

WELDING HOOKS

Photo	Product name	Catalog number
	Lower link hook, Cat 2	HOOK-2-CBM
	Lower link hook, Cat 2 ball set	HOOK-2T-CBM
	Lower link hook, Cat 2 lightweight, set without ball	HOOK-2L-CBM
	Lower link hook, Cat.3	HOOK-3-CBM

HARROW DISCS - LEMKEN RUBIN 9, 12



Ø D (mm)	Number of blades	Number of holes / hole spacing	Thickness	Catalog number
735 mm	10	6 / 195 mm	6 mm	D-L2
625 mm	8	5 / 160 mm	7 mm	D-L1

HARROW DISCS



Ø (mm)	Number of blades	Hole type and dimensions	Thickness	Catalog number	Photo
510	-	square hole 26mm	4mm	D-H9	
610	-	square hole 31mm	5mm	D-H7	
660	-	square hole 40mm	6mm	D-H11	
510	8	square hole 26mm	4mm	D-H6	
510	10	round hole 76mm + 6x8mm	5mm	D-H5	
510	10	6 holes	4mm	D-H3	
560	10	round hole 76mm + 6x8mm	5mm	D-H4	
560	10	6 holes	4mm	D-H2	
560	10	4 holes	4mm	D-H1	
610	10	square hole 31mm	5mm	D-H10	
660	10	square hole 40mm	6mm	D-H8	

GEARBOXES FOR AGRIMACHINERY

Photo	Description	Comer number	Catalog number
	Gearbox 1.31:4	9.727.319	GB-9
	Gearbox 1.00:1 - 1.80:1	5367.001.018	GB-8
	Gearbox 1.8:1 - 3.2:1	5367.054.032	GB-7
	Gearbox 1:1.28 - 1.41:1	5367.053.016	GB-6
	Gearbox 21.1:1	5717.004.8580	GB-5
	Gearbox 16.13:1	5717.004.8581	GB-4
	Gearbox 140 1:1.93	-	GB-3
	Gearbox 310 - T100 1:3	-	GB-2
	Gearbox S2071 1:3	-	GB-1

PLATTER HUB WITH BEARING



Photo	Specification	Catalog number
	H - 102mm Outer diameter - 117 mm Thread M M22x1.5 Number of holes 4	PIAS-ROL4
	H - 102mm Outer diameter - 117 mm Thread M M22x1.5 Number of holes 5	PIAS-ROL5

BEARING UNIT WITH HOUSING

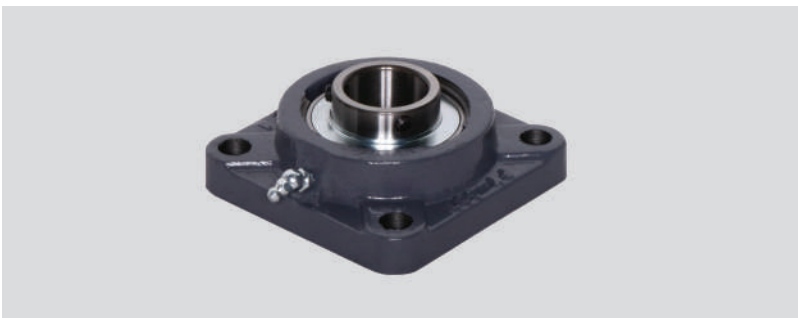


Photo	Specification	Catalog number
	Inside diameter: 35mm The distance between the holes in the housing: 92mm The size of the holes in the housing: 14mm	UCF207-PBF

FLAILS



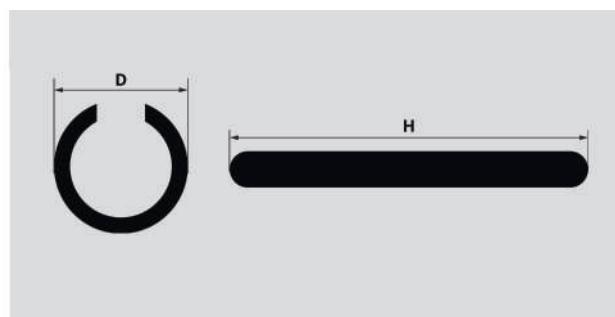
Photo	Hole size, (mm)	Blade width, (mm)	Clamping width / radius (mm)	Application	New part number
	16.5mm	100mm	40/105mm	Samasz Mido, Grino, Kangu, Lama 121 HD, Vino	FLAIL-1
	20.5mm	120mm	40/110mm	Becchio Mandrile, Cabe (Nuova Cabe) Desvoys, Forigo-Roteritalia Gilbers, Maschio, Tehnos Wessex, Zappator	FLAIL-2
	16.5mm	100mm	40/100mm	Dabaki Bremon, Geo, Kellfri, Stark, Jansen, Menasor, EFGCH	FLAIL-3
	16.5mm	180mm	70/180mm	Ferri, Rotoram	FLAIL-4
	14.5 mm	85mm	40/100mm	Talex Leopard, Unia Kornik L	FLAIL-5
	16.5 mm	137mm	40/98mm	Samasz, Muthing, Berti, Rolmex, Deleks, Lefa, Herder	FLAIL-6
	14.5 mm	120mm	40/90mm	Ferri, Zanon	FLAIL-7
	16.5mm	105mm	22/105mm	Kuhn, OMARV, Vigolo, Ferri, Perfect	FLAIL-8
	16.5mm	104mm	40/105mm	Kuhn, OMARV, Vigolo, Ferri, Perfect	FLAIL-9
	16.5mm	100mm	23/110mm	-	FLAIL-10

MILLED POWER TAKE-OFF SHAFT



Number of splines Ds (mm)	Length L (mm)	Type	Catalog number
6 / 34.9mm (1 3/8")	150mm	unilateral	SS-6-150
6 / 34.9mm (1 3/8")	280mm	unilateral	SS-6-280
6 / 34.9mm (1 3/8")	300mm	unilateral	SS-66-300
6 / 34.9mm (1 3/8")	400mm	unilateral	SS-6-400
6 / 34.9mm (1 3/8")	400mm	bilateral	SS-66-400
6 / 34.9mm (1 3/8")	500mm	unilateral	SS-6-500
20 / 44.4mm (1 3/4")	200mm	unilateral	SS-20-200
21 / 34.9mm (1 3/8")	200mm	unilateral	SS-21-200

PINS



Diameter D (mm)	Length (mm)	Catalog number
8	40	PIN8-40
8	50	PIN8-50
8	65	PIN8-65
10	80	PIN10-80
10	90	PIN10-90
12	90	PIN12-90

OPERATING INSTRUCTIONS AND TECHNICAL SERVICE OF PTO SHAFTS

DECLARATION OF CONFORMITY

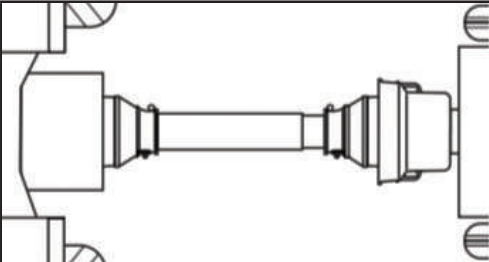
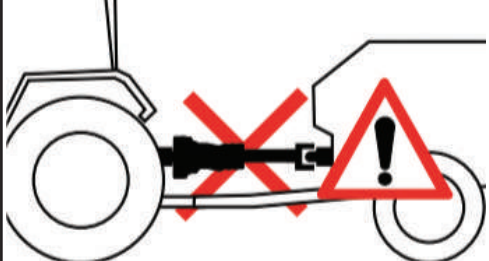
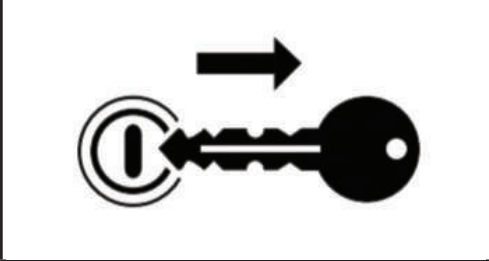
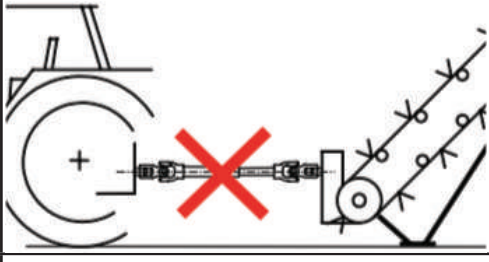
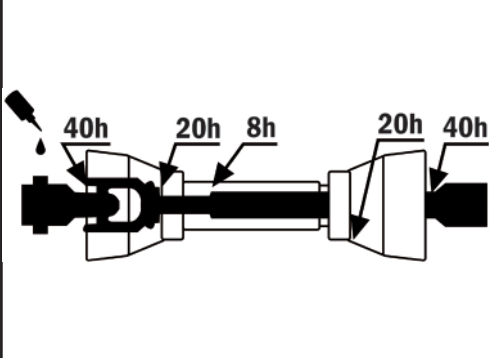
**DIRECTIVE 2006/42 / EC PTO shafts are manufactured in accordance with
EN ISO 12100: 2010, EN 965: 2003 + A2: 2009**

1. GENERAL INSTRUCTIONS AND BASIC SAFETY RULES

- a) PTO shaft must be only used for its intended purpose, and with specific parameters for specific vehicle and transmitted power.
- b) Use a vehicle only with a PTO shaft that is suitable in terms of power, length and protective tubes.
- c) Wear tight-fitting clothing and safety shoes while working.
Avoid work wearing clothes with belts or other items that can be caught.
- d) Components of PTO shaft during operation can be heated to high temperatures, in order to avoid burns, do not touch them until they cool down.
- e) Stay away from operating area of the rotating PTO shaft.
- f) Before starting work, make sure that all protective components of PTO shaft, tractor and trailed machine are in place and in good working condition.

Rotating elements must be protected and covered.

- g) Before starting work, make sure that PTO shaft is correctly attached to tractor and trailed machine.
- h) Maximum permissible operating rotational speed must not be exceeded.
- i) Before starting maintenance work or before entering working area of PTO shaft, stop the engine and make sure that all rotating parts have stopped.
- j) Maintenance and repair work must be carried out using appropriate safety equipment and protective equipment.
- k) Before using PTO shaft, all damaged or missing parts must be replaced by new ones and must be correctly installed.
- l) PTO shaft must be transported in a horizontal position to avoid accidents or PTO shaft elements damage.

	All rotating parts of PTO shaft must be in safety shield. Contact with moving part of the shaft may cause death or disability.
	Before starting operation, check if elements of tractor, agriculture vehicle and PTO shaft are in working condition and properly connected. Damaged or missing parts must be replaced by original APG spare parts and must be installed correctly.
	To switch off power take off at tractor side, switch off tractor engine, remove a key and check if all rotating parts have stopped, before approaching a PTO shaft or implement.
	Do not approach or allow any person to approach work zone or rotating parts. Do not wear loose clothing, jewelry, loose hair, or anything that could be pulled in by an operating implement.
	Do not stand, lean against or otherwise come into contact with the drive system.
	Pay special attention that profile tubes should not be too much overstretched. Under all operating conditions, lengthened drive system should not exceed data specified in this catalogue. All rotating parts must be in safety shield.
	Unscrupulous maintenance of PTO shaft components (universal joints, telescopic elements - tubes, safety slide rings, protective couplings) can cause early wear of elements and damage of whole PTO shaft. Correct preventive maintenance is critical to ensure long life of PTO shaft (see illustration). Grease should be applied to cleaned surfaces only. Presence of odd objects in lubricant (shavings, dirt, sand) leads to increased wear of PTO shaft elements.

2. INSTALLATION INSTRUCTIONS

ATTENTION:

Before installing a PTO shaft, switch off a tractor / a driveline and secure it against unintentional starting!

- a) Before installing a PTO shaft, its components must be cleaned and lubricated.
- b) Attach fixing chains. Safety shield should not rotate during operation.
Chains must be installed in a radial direction in relation to a PTO shaft, adjusting their length so that safety shield can move, but at the same time, it is protected from twisting. Chain cannot get any tension.
- c) Non-reversible or overload clutches must always be installed on implement side.
- d) Always check correct tightening and wear of locking devices on PTO shaft before starting work.
- e) Before starting work, check PTO shaft length in all working positions.
- f) Maximum operating angles of rotation:
 - < 25 ° while continuous operation;
 - < 45 ° while short operation;
 - > 45 ° in stopped condition.
- g) Press pins down and evenly push a joint yoke onto PTO shaft until pivot pin engages completely in necessary position.

3. REMOVING A PTO SHAFT

ATTENTION:

Before removing a PTO shaft, turn off a tractor / driveline and secure it against unintentional starting!

- a) If a PTO shaft is disconnected, it must be supported on suitable supports to avoid damage to its components.
- b) Chains securing safety shields cannot be used for hanging and handling PTO shaft.

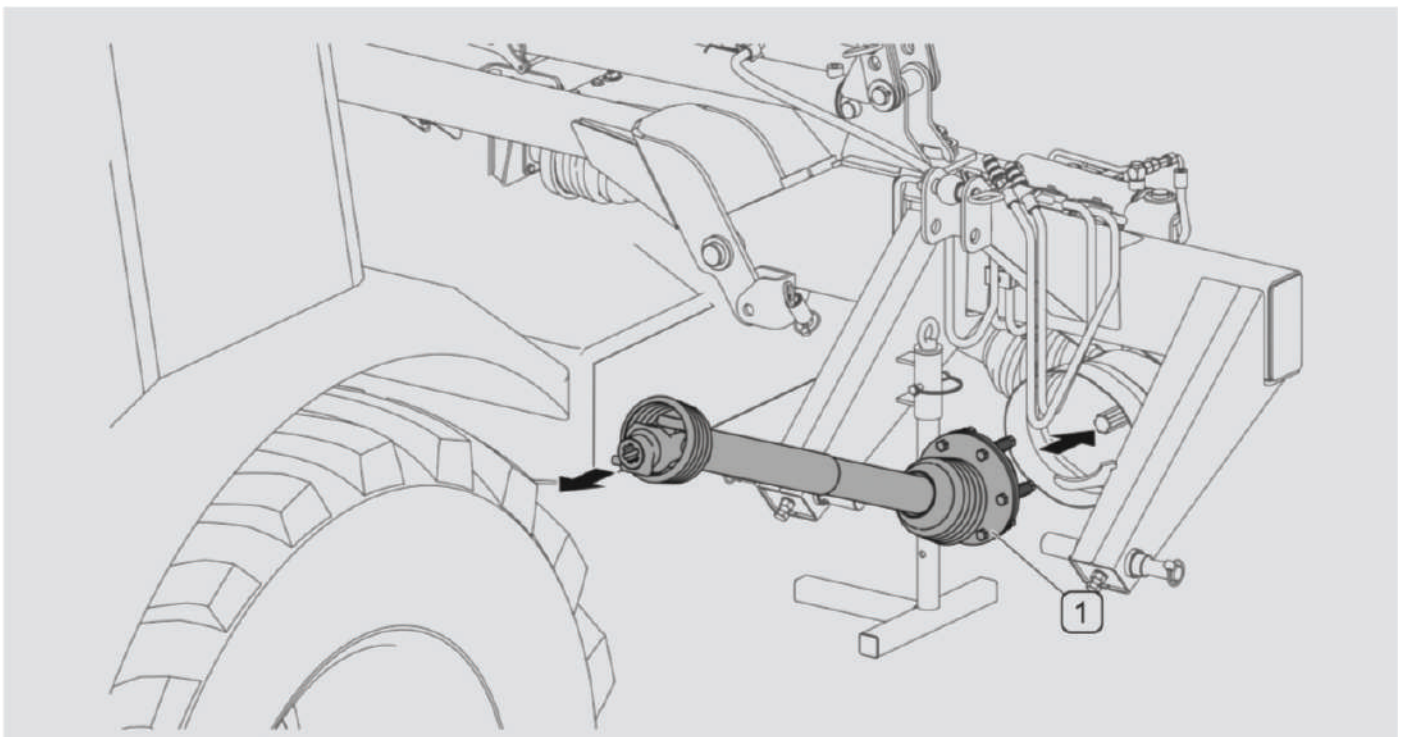
4. PTO SHAFT MAINTENANCE AND LUBRICATION

- a) Lubricate grease fittings of universal joints and protective couplings with a multi-purpose grease no later than after 8 hours of operation.
- b) Tractor power take off must be cleaned and lubricated with a multi-purpose grease before mounting PTO shaft.

- c) An overrunning clutch must be lubricated every 50 hours and after each period of non-use.
- d) **A shear bolt torque limiter clutch** must be lubricated every 50 hours and after each period of non-use.
- e) A shear bolt must be lubricated every 250 hours and after each period of non-use.
- f) A ratchet torque limiter clutch should be lubricated every 50 hours and after each period of non-use.

5. USING AND PERFORMING OPERATIONS ON PTO SHAFT

- a) It is recommended to use a suitable original PTO shaft length.
- b) PTO shafts may only be shortened by a qualified technician.
- c) Tubes overlap in working position of PTO shaft must be at least $\frac{1}{3}$ of tube length. The optimal tubes overlap is $\frac{2}{3}$ of the tube length.
- d) Profile tubes and safety plastic tubes must be cut evenly. Tube edges should be processed and cleaned.
- e) Insufficient overlap of profile tubes in working position of PTO shaft can lead to early wear of tubes, and opening during operation can cause serious accidents and breakdowns not only of PTO shaft, but also of other elements of agricultural machine and an tractor.
- f) Check the shaft for proper operation before reinstalling it.



PROPSHAFT LIFE

PTO shaft life depends on torque, rotational speed of PTO shaft and the working angles of joints: the wider the angles, the more difficult operating conditions are.

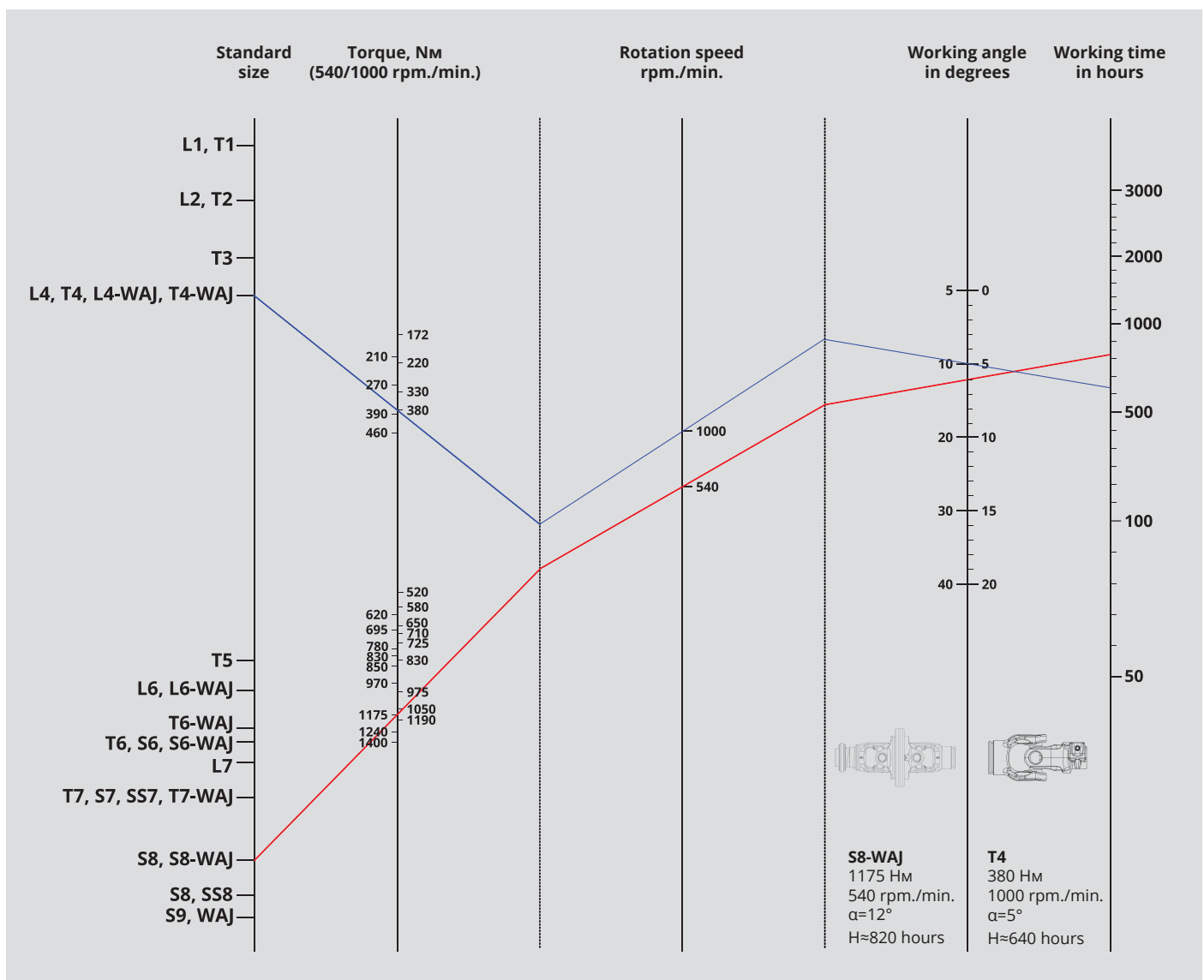
Optimal working angles, at which the highest efficiency is ensured, are in the range of 2-22 °.

Estimated life of standard joint (540 rpm):

- at working angles 5 ° ~ 1000 hours;
- at working angles 10 ° ~ 100 hours.

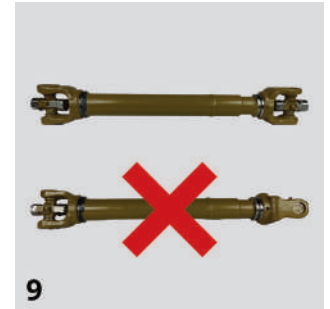
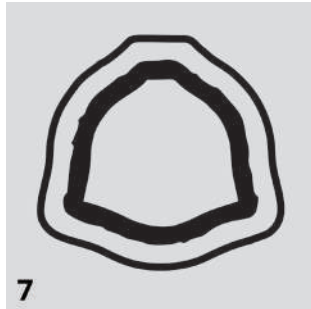
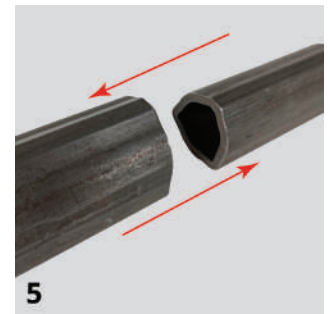
Estimated life of wide-angle joint (540 rpm):

- at working angles 10 ° ~ 1000 hours;
- at working angles 18 ° ~ 100 hours.



Picture: Dependence of PTO shaft service life on torque, rotation speed and working angles of joints

FAULTS AND WAYS OF THEIR ELIMINATION



Picture number	Fault description	Cause of malfunction	Elimination of malfunction
1	Break or serious deformation of yoke ears	Exceeding permissible maximum working angles of PTO shaft.	Do not exceed working angles of PTO shaft. Switch off PTO shaft on turns. For simple joints do not exceed 45 degrees working angle.
2,3	Deformation and distortion of yoke ears	Overloads in PTO shaft operation. PTO shaft cannot withstand peak loads.	Do not exceed permissible torque for specific PTO shaft. Install or change another type of clutch on PTO shaft.
4	Excessive wear of PTO shaft universal joint elements	Exceeding permissible load on PTO shaft. Insufficient or untimely lubrication of PTO shaft elements.	Check permissible power characteristics of working device. Do not exceed permissible torque and rotation speed - check with corresponding manual for agricultural vehicle. Lubricate universal joints as recommended.

FAULTS AND WAYS OF THEIR ELIMINATION

Picture number	Fault description	Cause of malfunction	Elimination of malfunction
5	After installing PTO shaft between tractor and agricultural device, there was disjunction of PTO shaft tubes	PTO shaft length is incorrect.	Longer PTO shaft is required according to working length.
6	Deformation (curvature) of telescopic tubes of PTO shaft	Overloading of PTO shaft. PTO shaft type does not match PTO shaft peak loads in operation.	Do not exceed permissible torque. Consider Installing safety clutch on PTO shaft. Check if safety clutch is operated correctly. Check if PTO shafts is installed in a proper way. While operating, PTO shaft must touch neither tractor nor implement.
7	Excessive wear of PTO shaft tubes	Insufficient lubrication. Wrong length of PTO shaft, as overlap of profile tubes is not sufficient for proper operation of PTO shaft. Protective cover is damaged and dirt gets inside tubes.	Check length of PTO shaft. Replace PTO shaft with a longer one. Check if protective shield is not damaged, replace it if necessary. Follow requirements of universal joints lubrication.
8	Excessive wear on PTO shaft guard bearings	Insufficient lubrication. Protective cover is not properly attached with chains.	Observe the requirements for lubricating the PTO shaft. Check the correct attachment of protective cover with chains to tractor and working device.
9	Vibration, noise, excessive wear of PTO shaft elements	Incorrect installation of inner yoke, rule of placing yokes in one plane is violated.	Install inner yokes correctly on tubes so that they are in the same plane.

PTO SHAFT NON-STANDARD ORDER FORM

DRIVESHAFT PARTS

AGRIPARTS GLOBAL

Customer:

Name: _____ Address: _____

Phone: _____ E-mail: _____

Tractor information:

NAME / MODEL / TYPE: _____

Power kW / KM: _____kW _____KM Torque / min: _____

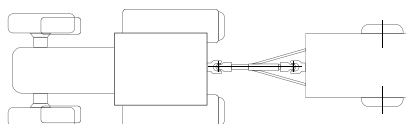
Information about the machine:

NAME / MODEL / TYPE: _____

Power kW / KM: _____kW _____KM Torque / min: _____

Information on the PTO profile:

- ☐ 6 splines, 34.9mm (1 3/8")
- ☐ 6 splines, 44.4 mm (1 3/4")
- ☐ 8 splines, 38 mm (1 1/2")
- ☐ 20 splines, 44.4 mm (1 3/4")
- ☐ 21 splines, 34.9 mm (1 3/8")
- ☐ Circle _____
- ☐ Square _____
- ☐ Hexagon _____
- ☐ Clutch type _____
- ☐ Other: _____



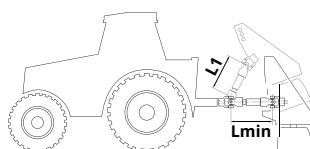
- ☐ 6 splines, 34.9mm (1 3/8")
- ☐ 6 splines, 44.4 mm (1 3/4")
- ☐ 8 splines, 38 mm (1 1/2")
- ☐ 20 splines, 44.4 mm (1 3/4")
- ☐ 21 splines, 34.9 mm (1 3/8")
- ☐ Circle _____
- ☐ Square _____
- ☐ Hexagon _____
- ☐ Clutch type _____
- ☐ Other: _____

Information on the PTO length:

- ☐ Standard PTO shaft:

L1 _____mm

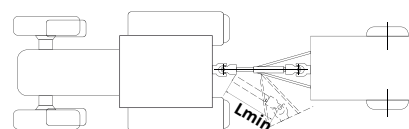
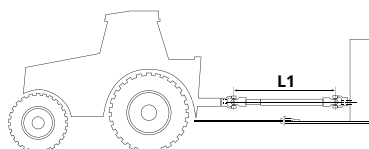
Lmin _____mm



- ☐ Standard PTO shaft mounted to the machine:

L1 _____mm

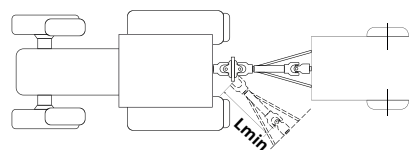
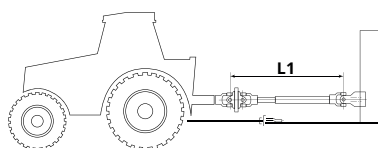
Lmin _____mm



- ☐ PTO with wide angle joint mounted to the machine:

L1 _____mm

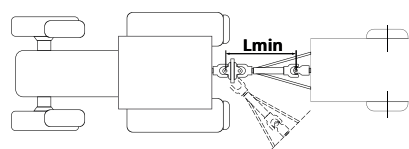
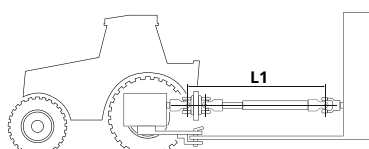
Lmin _____mm



- ☐ PTO with wide angle joint with the maximum working angle:

L1=Lmin

Lmin _____mm



[illegible]

Worldwide:
POLAND / UKRAINE / UK / RPA



AGRIPARTS GLOBAL

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