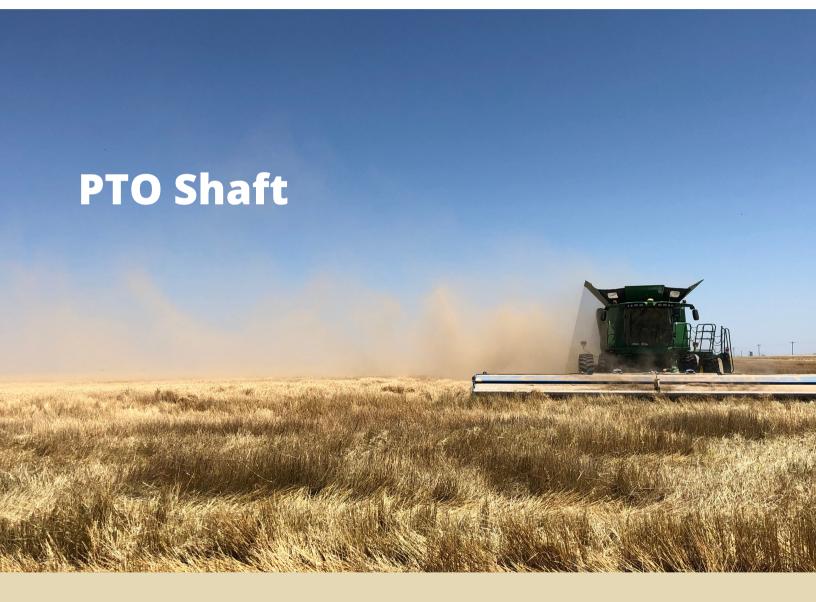
2020 CATALOG

SUNFIELD

Agricultural Parts Manufacturer and Supplier





www.sf-agriculturalparts.com



About us

SunField LLC Agricultural Machinery is in DFW, TX and manufacturing facilities are in China. We provide high-quality replacement parts for combines, cotton pickers, tractors, and other agricultural equipment, as well as full supply chain service. We are the manufacture with field supports on the ground.

The advantages of working with us

- High-quality products. We apply high standards of quality control procedures to ensure we offer the best products in the class to our customers.
- Wide products selection. For examples, more than 200 different sprockets for JD and CNH combines, corn head, and other equipment. We continue to add new products to our lines every year.
- Flexible order quantity. Flexibility is important to customers. Therefore, we don't require high MOQ! 50 PCS for any sprockets, even if to develop a new sprocket.
- Competitive cost. No extra layers between the manufactures and our customers.
- Full supply chain services, including, but not limited to,
 - New Product Development,
 Prototyping,
 Strategic Sourcing,
 Engineering,
 Customized Packaging,
 Vendor Management,
 International Logistic,
 and so on.



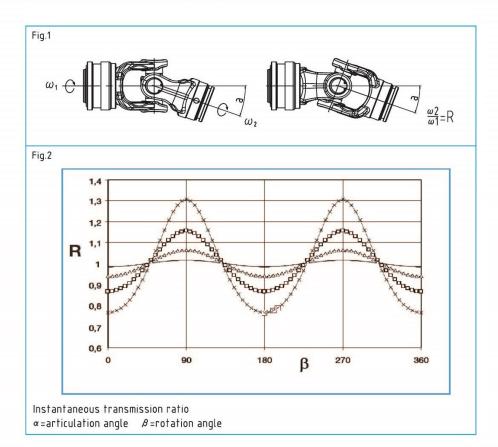
Contents

SECTION 1: General information	002
Cardan joint theory	
Kinematic characteristics	
PTO Drive shaft rotation irregularity alignment chart	
Constant velocity joint CvJ	
SECTION 2: PTO drive shafts and Spare parts (T Series)	006
PTO drive shafts and Spare parts (L Series)	007
PTO drive shafts and Spare parts (S Series)	008
PTO drive shafts and Spare parts (G Series)	009
SECTION 3: Spare parts for PTO drive shaft	010
SECTION 4: Shear bolt torque limiter (SB Series)	014
SECTION 5: Ratchet torque limiter (SA Series)	016
SECTION 6: Overrunning clutch (RA1, RA1S Series)	018
Overrunning clutch (RA2, RA2S Series)	
Overrunning clutch (RL / RLS Series)	
SECTION 7: Friction torque limiter (FFV1-FFV2 Series)	022
Friction torque limiter (FFV3-FFV4 Series)	
Friction torque limiter (FFVT1-FFVT2 Series)	
Friction torque limiter (FFVT1-FFVT2 Series)	
Friction torque limiter (FFVS1-FFVS2-FFVS3-FFVS4 S	Series)
SECTION 8: Constant velocity joint (SFT. 80°) (CV Series)	032
SECTION 9: Speedlash (SP Series)	034
SECTION 10: Splined dimensions	
SECTION 11: PTO Adaptor & splined shaft	037
SECTION 12: Cross journal	039
SECTION 13: Tubes	
SECTION 14: Plastic shield	041
SECTION 15: Safety and working conditions	042
SECTION 16: Gear box	046

CE CE

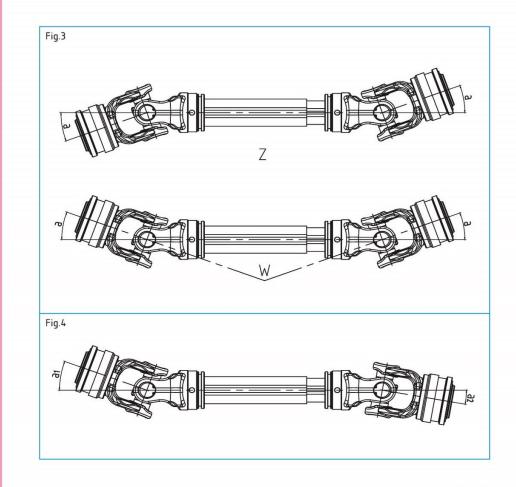
Cardan joint theory

The PTO drive shaft for agricultural applications consists of two cardan joints and a telescopic coupling. The cardan joint, consisting of two yokes and a cross, is the element used to transmit the motion between two tilted axles. The cardan joint construction is designed so that during rotation, the speed of the output shaft is not always equal to that of the input shaft and this difference in speed depends on the articulation angle of the joint (Fig. 1). The transmission ratio versus the articulation angle and the rotation angle is represented in Fig. 2. The more the ratio deviates from 1 the greater becomes the irregularity of the motion, thus generating undesirable effects (vibrations, noise, inertial stress).



Kinematic characteristics

The standard PTO drive shaft consists of two cardan joints. The irregularities of the single joints thus can be cancelled or mutually combined. When the articulation angles of the two joints are equal (see configuration W or Z in Fig. 3) the transmission is uniform, i.e. The speed of the output yoke is always equal to the speed of the input yoke, thus eliminating the undesirable effects. In all the other angulations (Fig. 4), an irregularity always remains that can be evaluated with the graph on the following page (Fig. 5).



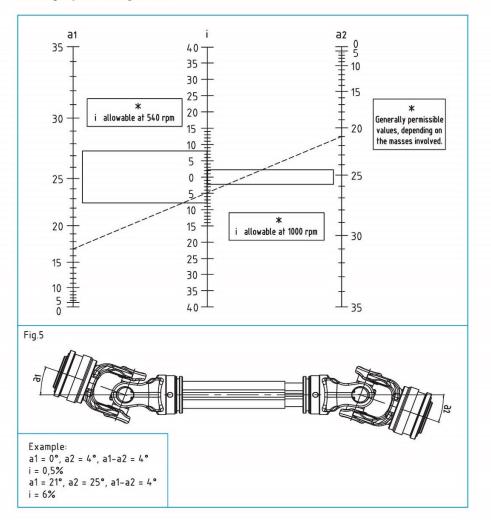
PTO Drive shaft rotation irregularity alignment chart

Constant velocity joint CVJ

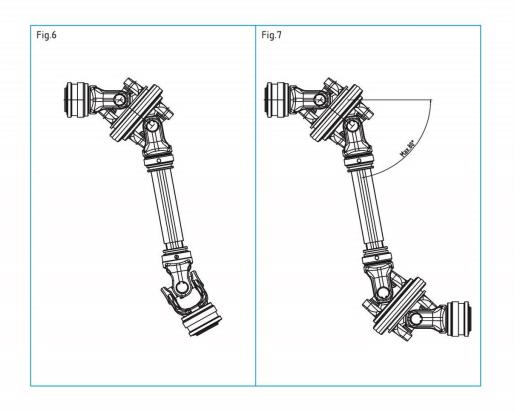
Irregularity " i" of the motion depends on the articulation of the two cardan joints and on the difference between the articulations of the two joints (see the example: with angular difference being equal, the irregularity is greater if the articulations of the single joints are greater).

CE

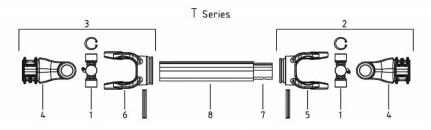
CE



The CvJ (Constant Velocity Joint) is a double universal joint with a centering system that equally divides the articulation angle between the two yokes (W configuration). The speed of the output yoke is always equal to the input speed and there are no rotation irregularities. In a PTO drive shaft with a CvJ joint and a standard joint (Fig. 6), the total irregularity is caused only by the standard joint, that therefore must work with small articulation angles. For high work angles at the two ends of the shaft, two CvJ joints must be used (Fig. 7). The CvJ joint can work with high articulation angles only for brief periods (ex.: while steering). Absolute quality And reliability of the CvJ construction are ensured by the ball bridge welded to the yoke which considerably reduces stress and consequently wears in the ball-cylinder contact zone and in the splined coupling between the shaft and the yoke.

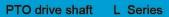


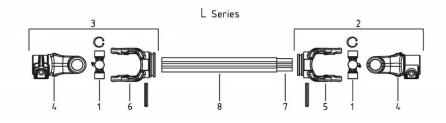
PTO drive shaft T Series



	Cross	Joint	simple	Spline yoke	Tube	yoke	Tube		
Туре	Cross	Inner	Outer	Sprine yoke	Inner	Outer	Inner	Outer	
туре	u go		DI	Y	Y	Y	\bigcirc	\bigcirc	
	1	2	3	4	5	6	7	8	
T110	22x54	T110001	T110002	A110138	T1226	T1233	T263	T332	
T220	23.8x61.2	T220001	T220002	A220138	T2229	T2236	T293	T363	
T311	27x70	T311001	T311002	A311138	T3236	T3243	T363	T433	
T421	27x74.6	T421001	T421002	A421138	T4236	T4243	T364	T433	
T500	30.2x80	T500001	T500002	A500138	T5245	T5252	T454	T523	
T622	30.2x92	T622001	T622002	A622138	T6245	T6254	T454	T544	
T723	30.2x106.5	T723001	T723002	A723138	T7245	T7254	T455	T544	
T7N	34.9x94	T7N001	T7N002	A7N138	T7N245	T7N254	T455	T544	
T824	34.9x106.5	T824001	T824001 T824002		T8254	T8263	T544	T634	

			Operatir	ng torque			
Туре		540 tr./min			1000 tr./min		Ne
туре	Kw	pk	Nm	Kw	pk	Nm	Nm
T 110	12	16	210	18	25	172	320
T220	15	21	270	23	31	220	450
T311	22	30	390	35	47	330	640
T421	26	35	460	40	55	380	780
T500	35	47	620	54	74	520	1050
T622	47	64	830	74	100	710	1450
T723	55	75	970	87	118	830	1800
T7N	55	75	970	87	118	830	1800
T824	70	95	1240	110	150	1050	2250



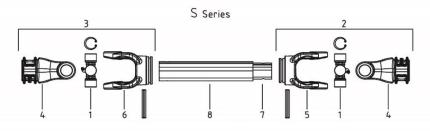


CE CE

	Cross	Joint	simple	Spline yoke	Tube	yoke	Tube		
Туре	CIUSS	Inner	Outer	Sprine yoke	Inner	Outer	Inner	Outer	
туре	ē		DI	Y	Ų	Ų	\bigcirc	\bigcirc	
	1		3	4	5	6	7	8	
L2100(L010)	22x55	L010001	L010002	A010138	L010223	L010230	L235	L303	
L2200(L220)	23.8x61.2	L220001	L220002	A220138	L220234	L220241	L344	L413	
L311	27x70	L311001	L311002	A311138	L311234	L311241	L344	L413	
1 2200/1 / 211	27.71 6	L421001	L421002	A421138	L421234	L421241	L344	L413	
L2300(L421)	L622 30.2x92 L622001 L622002		L421004	A421150	L421239	L421248	L395	L484	
L622			L622002	A622138	L622239	L622248	L395	L484	
L2400(035)			L035002	A035138	L035239	L035248	L395	L484	

	Operating torque													
Tupo		540 tr./min			1000 tr./min		Nm							
Туре	Kw	pk	Nm	Kw	pk	Nm	NM							
L2100(L010)	12	16	210	18	24	175	1100							
L2200(L220)	20	27	335	31	42	295	1750							
L311	22	30	390	35	47	330	1950							
L2300(L421)	28	38	500	44	60	415	2350							
L2300S(L421)	32	43	575	52	71	450	2800							
L622	35	49	600	58	78	525	3200							
L2400(035)	39	53	695	61	83	580	3800							

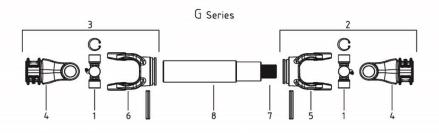
PTO drive shaft S Series



	Cross	Joint	simple	Spline yoke	Tube	yoke	Tube		
Туре	Cross	Inner	Outer	Sprine yoke	Inner	Outer	Inner	Outer	
Type	ē		21	Y	U	Y		0	
	1	2	3	4	5	6	7	8	
S622	30.2x92	S622001	S622002	A622138	S622251	S622261	S510	S614	
S723	30.2x106.5	S723001	S723002	A723138	S723251	S723261	S510	S614	
S824	34.9x106.5	S824001	S824002	A824138	S824251	S824261	S510	S614	
2400(035)	32x76	S035001	S035002	A035138	S035251	S035261	S510	S614	
2500(036)	36x88.8	S036001	S036002	A036138	S036251	S036261	S510	S614	
2600(026)	42x104	S026001	S026002	A026138	S026251	S026261	S614	S710	

	Operating torque													
Tupo		540 tr./min			1000 tr./min		Nm							
Туре	Kw	pk	Nm	Kw	pk	Nm	NIM							
S622	47	64	830	74	100	710	2700							
S723	36	56	780	75	92	550	3400							
S824	45	77	890	82	110	780	4200							
2400(035)	55	75	970	87	118	830	5200							
2500(036)	66	90	1175	102	139	975	6000							
2600(026)	79	107	1400	122	166	1165	7800							

PTO drive shaft G Series



ςε ςε

	Cross	Joint	simple	Spline yoke	Tube	yoke	Shaft	Tube
Туре	CLOSS	Inner	Outer	Sprine yoke	Inner	Outer	Silari	TUDE
Type	ē		01	Y	U٥	U0	۲	0
	1	2	3	4	5	6	7	8
G500	30.2x80	G500001	G500002	A500138	G5004012	G500C58	G40-Z12	58x3
G622	30.2x92	G622001	G622002	A622138	G6224012	G622C58	G40-Z12	58x3
G7N	34.9x94	G7N001	G7N002	A7N138	G7N4514	G7NC65	G45-Z14	65x3.5
G824	34.9x106.5	G824001	G824002	A824138	G8244514	G824C65	G45-Z14	65x3.5
G2600(G026)	42x104	G026001	G026002	A026138	G0265520	G026C75	G55-Z20	75x4

	Operating torque													
Тиро		540 tr./min			1000 tr./min		Nm							
Туре	Kw	pk	Nm	Kw	pk	Nm	Nm							
G500	35	47	620	54	74	520	1050							
G622	47	64	830	74	100	710	1450							
G7N	55	75	970	87	118	830	1800							
G824	70	95	1240	110	150	1050	2250							
G2600(G026)	80	120	1560	140	190	1340	2900							

ςε ςε

Spare parts for PTO drive shaft

Туре					Ø					1		S O L			
	L	L1	Α	В	Code 5	L2	C	Code 6	D	Ε	F	Code 7	L3	G	Code 8
			20	6	A110020			A110020S	20	6	12.8	AE110020		M6	AE110020S
			22	8	A110022	15		A110022S	22	0	13.8	AE110022	20	PIO	AE110022S
110	80	20	25	0	A110025	IJ	M6	A110025S	25	8	15.8	AE110025	20	M8	AE110025S
			30	10	A110030			A110030S	30	U	18.3	AE110030		no	AE110030S
			31.8	10	A110032	18.5		A110032S							
			20	6	A220020			A220020S	20	6	12.8	AE220020		M6	AE220020S
			22	8	A220022	15		A220022S	22	D	13.8	AE220022	20	MO	AE220022S
220	84	20	25	0	A220025	CI	M6	A220025S	25	8	15.8	AE220025	20	M8	AE220025S
			30	10	A220030			A220030S	30	0	18.3	AE220030		MO	AE220030S
			31.8	10	A220032	18.5		A220032S							
			20		A311020	15 20 ^{M6}	A311020S	20	6	12.8	AE311020		NC	AE311020S	
			22	8	A311022		A311022S	22	0	13.8	AE311022		M6	AE311022S	
311	92	20	25		A311025		M6	A311025S	25	8	15.8	AE311025	20		AE311025S
			30	10	A311030	20		A311030S	30		18.3	AE311030		M8	AE311030S
			35	13	A311035			A311035S	35	10	20.8	AE311035		M10	AE311035S
			22		A421020			A421020S	22	6	13.8	AE421022		M6	AE421022S
		20	25	8	A421025			A421025S	25		15.8	AE421025			AE421025S
421	92		30	40	A421030	20	M6	A421030S	30	8	18.3	AE421030	20	M8	AE4210305
			31.8	10	A421032			A421032S	35	10	20.8	AE421035		M10	AE421035S
		25	35	13	A421035	15	M8	A421035S							
			30	10	A500030		M6	A500030S	30	8	18.3	AE500030	20	M8	AE500030S
500	00		35		A500035	20	M8	A500035S	35	10	20.8	AE500035	20	M10	AE500035S
500	98	20	40	13	A500040		M10	A500040S	40	12	23.3	AE500040		M12	AE5000405
			30	10	A622030		M6	A622030S	30	8	18.3	AE622030		M8	AE622030S
(00	405		35		A622035		M8	A622035S	35	10	20.8	AE622035		M10	AE622035S
622	105	20	40	13	A622040	20		A622040S	40		23.3	AE622040	20		AE622040S
			42		A622042		M10	A622042S	42	12	24.3	AE622042		M12	AE622042S

Spare parts for PTO drive shaft

Туре	-	W H L S			4							Q ,	Q _B
	Cross	W	Н	L	S	Code 1	н	L	Α	В	Code 2	Code 3	Code 4
					1 3 "-Z6	A110138			1 3 "-Z6	M10	A110538	AE110332 1 ‡"BORE ‡"+}"KEY	AE110322
			~		1 3 "-Z21	A110121				M10		AE110335 13"BORE 1"+3"KEY	AE110325 1"BORE 2"KEY
110 2	22x54	62	21	92			14	89		M10		AE110332 1 ¹ / ₂ "BORE ¹ / ₄ "+ ³ "KEY	AE110328 1 1"BORE 1"KEY
					1 <mark>8</mark> "-Z6	A220118			1 3 ''-Z6	M10	A220538	AE220332 12"BORE 2"+3"KEY	AE220322 2"BORE 1"KEY
					1 3 "-Z6	A220138				M10		AE220335	AE220325 1"BORE 2"KEY
220 2	3.8x61.2	68	21	98	1 ³ / ₈ "-Z21	A220121	20	98		M10		AE220332	AE220328
												1 ¹ 2"BORE 2"+8"KEY	1¦"BORE !"KEY
					1 ¹ "-Z6	A 311118			1 ³ "-Z6	M12	A311538	AE311332	AE311322
			21		18"-Z6	A311138			18 20	M12	ASTISSO	1 ‡"BORE ‡"+}"KEY AE311335	8"BORE 2"KEY AE311325
311	27x70	78		21	102			22	102				13"BORE 1"+3"KEY AE311332
					1 ∦ "−Z21	A311121				M12		12"BORE 2"+3"KEY	1ª"BORE ‡"KEY
												AE421332	AE421322
					1 8 "-Z6	A421118			1 3 "-Z6	M12	A421538	1 1 "BORE 1"+1"KEY AE421335	2"BORE 2"KEY AE421325
421 2	27x74.6	84	21	108	1 3 "-Z6	A421138	22	108		M12		13"BORE 1"+3"KEY	1"BORE & KEY
				100	1 3 "-Z21	A421121		100		M12		AE421332 12"BORE 2"+3"KEY	AE421328 1 å"BORE ‡"KEY
					1 3 "-Z6	A500138			1 3 "-Z6	M12	A500538	AE500332 12"BORE 2"+3"KEY	AE500322 7"BORE 2"KEY
			2.2		1 3 "-Z21	A500121				M12		AE500335 13"BORE 1"+3"KEY	AE500325 1"BORE 1"KEY
500 3	30.2x80 92	92	21	111			22	111		M12		AE500332 12"BORE 2"+3"KEY	AE500328 1 "BORE 1"KEY
					1 } "-Z6	A622138			1 ≩ ‴-Z6	M12	A622538	AE622332 1‡"BORE ‡"+}"KEY	AE622322 3"BORE 2"KEY
		F			1 ³ ″-Z21	A622121				M12		AE622335	AE622325 1"BORE 2"KEY
622 3	30.2x92	104	21	118	1 ³ / ₂ "-Z6	A622134	22	118		M12		AE622338	AE622328
					1 ³ / ₄ "-Z20	A622120						1≟"BORE ≟"+}"KEY	1 BORE L"KEY

CE CE

Spare parts for PTO drive shaft

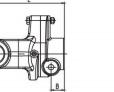
Туре		-			Ø					7					
	L	L1	Α	В	Code 5	L2	C	Code 6	D	Ε	F	Code 7	L3	G	Code 8
			35		A723035		M8	A723035S	35	10	20.8	AE723035		M10	AE723035S
723	117	25	40	13	A723040	25		A723040S	40	12	23.3	AE723040	25	M12	AE723040S
125	117	25	42	CI	A723042	25	M10	A723042S	42	IZ	24.3	AE723042	25	MIZ	AE723042S
			45		A723045			A723045S	45	14	26.3	AE723045		M14	AE723045S
		F	35		A7N035		M8	A7N035S	35	10	20.8	AE7N035		M10	AE7N035S
7N	106	20	40	13	A7N040	20		A7N040S	40	12	23.3	AE7N040	20	M12	AE7N040S
/19	100	20	42	כו	A7N042	20	M10	A7N042S	42	12	24.3	AE7N042	20	rnz	AE7N042S
			45		A7N045			A7N045S	45	14	26.3	AE7N045		M14	AE7N045S
			35		A824035		M8	A824035S	35	10	20.8	AE824035		M10	AE824035S
824	120	25	40	12	A824040 25		A824040S	40	40		AE824040	25	M12	AE824040S	
024	120	25	42	13	A824042	25	5 M10	A824042S	42	42 12	24.3	AE824042	25	miz	AE824042S
			45	5	A824045			A824045S	45	14	26.3	AE824045		M14	AE824045S

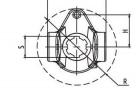
Spare parts for PTO drive shaft

q		1	9			Š														
Туре	Cross	W	Η	L	S	Code 1	Н	L	Α	В	Code 2	Code 3	Code 4							
					1 3 ''-Z6	A723138		1 3 "-Z6	M12	A723538	AE723335 1ª"BORE 1"+3"KEY									
723	30.2x106.5	117	7 21	21	130	1 8 ''-Z21	A723121	20	122		M12		AE7N338 12"BORE 2"+3"KEY							
125	30.28 100.3				001	1 ³ "-Z6	A723134	20	122											
					1 ³ / ₄ "-Z20	A723120														
				-	1 3 "-Z6	A7N138		_		M12		AE7N335 13"BORE 2"+3"KEY								
			07 21	107 21	07 21		1 % "-Z21	A7N121				M12		AE7N338 1 ¹ //BORE ¹ // ³ //KEY						
7N	32x94	107				107 21	107 21	07 21	7 21	21	125	1 ≹ "-Z6	A7N134	20	120					
										1 ³ "-Z20	A7N120									
			118 21									1 ≩ "-Z6	A824138			1 3 "-Z6	M16	A824538	AE824335 13"BORE 2"+3"KEY	
						1 ³ "-Z21	A824121			1 ³ "-Z21	M16	A824521	AE824338 12"BORE 2"+3"KEY							
824	824 34.9x106.5 118	118		21 128	1 3 ″-Z6	A824134	20	120	1 3 "-Z6		A824534									
					1 ³ "-Z20	A824120			1 2 "-Z20		A824520									
					1 3 "-Z6	A035138			1 3 ″-Z6	M12	A035538	AE035332 12"BORE 2"+3"KEY								
					1 ³ "-Z21	A035121				M12		AE035335								
2400(035)	32x76	90	21	21	21	21	111	1≹"-Z6	A035134	24	116		M12		AE035338 1 ¹ / ₂ "BORE ¹ / ₂ "+ ³ / ₂ "KEY					
					1 <u></u> ³ "-Z20	A035120						12 20112 4 18 1121								
					1 <mark>8</mark> "-Z6	A036138			1 3 ‴-Z6	M16	A036538									
			21		1 3 ‴-Z21	A036121			1 ³ "-Z21	M16	A036521									
2500(036)	36x88.8	100		128	1 ≹ "-Z6	A036134	24	116	1 ≩ ″-Z6	M16	A036534									
			24		1 ³ / ₄ "-Z20	A036120			1 <u></u> ² "-Z20	M16	A036520									
					1 3 "-Z6	A026138			1 3 ″-Z6	M16	A026538									
			21		1 ³ ″-Z21	A026121			1 ³ "-Z21	M16	A026521									
2600(026)	42x104	120		140	1 } "-Z6	A026134	24	130	1 3 "-Z6	M16	A026534									
		24		1 ³ / ₄ "-Z20	A026120			1≹"-Z20	M16	A026520										

Shear bolt torque limiter SB Series

Shear bolt torque limiter SB Series



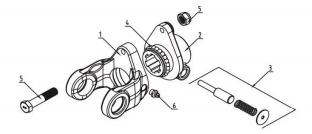


ςε ςε

Series	- E	W	L	В	R	S	Н	Bolt+Uut CL.8.8	Torque Nm max.	Туре
110	22x54	62	95	19	90	1 3/8"-Z6	35	M6	650	SB110138
110	22834	02	75	19	90	1 3/8"-Z21		110	050	SB110121
220	23.8x61.2	72	99	19	110	1 3/8"-Z6	45	M6	900	SB220138
220	23.0801.2	12	"	12	ΠŪ	1 3/8"-Z21	45	HU	900	SB220121
421	27x74.6	86	113	21	125	1 3/8"-Z6	48	M8	8 1400	SB421138
421	21214.0	00	115	21	125	1 3/8"-Z21	40	110	1400	SB421121
500	30.2x80	92	111	21	135	1 3/8"-Z6	46	M10	2100	SB500138
500	50.2000	72		21	155	1 3/8"-Z21	+0	1110	2100	SB500121
						1 3/8"-Z6		M10	2100	SB622138
622	30.2x92	102	141	20	150	1 3/8"-Z21	55		2100	SB622121
OLL	OLL SULLYL		141	20	001	1 3/4"-Z6		M12	2500	SB622134
						1 3/4"-Z20				SB622120
		4.9x106.5 118			150	1 3/8"-Z6	57		3500	SB824138
824	34.9x106.5		148	20		1 3/8"-Z21		M12		SB824121
024	54.77100.5	110	140	20	001	1 3/4"-Z6	57			SB824134
						1 3/4"-Z20				SB824120
2400(035)	32x76	86	111	21	135	1 3/8"-Z6	46	M10	2100	SB035138
2400(055)	JZXTO	00	10	21	201	1 3/8"-Z21	40	1110	2100	SB035121
						1 3/8"-Z6				SB036138
2500(036)	36x88.8	102	141	20	150	1 3/8"-Z21	56	M10	2900	SB036121
20010001	50×00.0	102	141	20	001	1 3/4"-Z6	50	THV	2700	SB036134
						1 3/4"-Z20				SB036120
					· · · · · ·	1 3/8"-Z6				SB026138
2600(026)	1.2×10/	42×104 118	145	24	150	1 3/8"-Z21	56	M12	4200	SB026121
2000(020)	42×104		145	24		1 3/4"-Z6	50			SB026134
						1 3/4"-Z20				SB026120

NOTE: available on demand with interfering clamp bolt

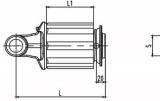
The torque limiter interrupts the power transmission when the torque exceeds the setting value, by shearing the bolt. Transmission is restored by inserting a new bolt in the device.



ITEM	Size	DeSCription	Notes
	110		
	220		
	421		
1	500	Yoke	
	622		
	824		
	2400(035)		
	2500(036)		
	2600(026)		
	110		
	220		Spline:1 3/8"-Z6
	421		1 3/8"-Z21
2	500	Spline hub	
	622		
	824		Spline:1 3/8"-Z6 1 3/8"-Z21
	2400(035)		1 3/8 - 221 1 3/4"-Z6
	2500(036)		1 3/4"-Z20
	2600(026)		
3		Push pin + spring	13/8" 13/4"
	110/220/311		7/32"
4	421/500	Ball	1/4″
	622/824		5/16″
5		Bolt + Nut CL.8.8	M6x40/M6x45/M8x50 M10x55/M10x60/M12x65
6		Greaser	M6x1 / M8x1

Ratchet torque limiter SA Series

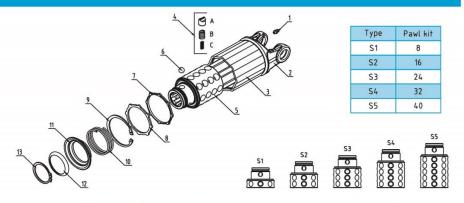
Ratchet torque limiter SA Series



Series	ē	L1	L	Limit.	Range	Torque	S	Тур	e *
						Nm max.		1 3/8"-Z6	1 3/8"-Z21
110	22x54	38	112	S1	1	300		SA110138S1	SA110121S1
110	22254	57	131	S2	2	600		SA110138S2	SA110121S2
		38	114	S1	1	300		SA220138S1	SA220121S1
220	23.8x61.2	57	132	S2	2	600		SA220138S2	SA220121S2
		76	151	\$3	3	900		SA220138S3	SA220121S3
311	27x70	57	141	S2	2	600		SA311138S2	SA311121S2
511	21×10	76	171	\$3	3	900		SA311138S3	SA311121S3
		57	142	S2	2	600		SA421138S2	SA421121S2
421	27x74.6	76	160	S3	3	900		SA421138S3	SA421121S3
		95	178	S4	4	1200		SA421138S4	SA421121S4
		76	171	S3	3	900		SA500138S3	SA500121S3
500	30.2×80	95	190	S4	4	1200	1 3/8"-Z6 1 3/8"-Z21	SA500138S4	SA500121S4
		114	209	S5	5	1500		SA500138S5	SA500121S5
		76	171	S3	3	900		SA622138S3	SA622121S3
622	30.2x92	95	190	S4	4	1200		SA622138S4	SA622121S4
		114	209	S5	5	1500		SA622138S5	SA622121S5
		76	187	S3	3	900		SA824138S3	SA824121S3
824	34.9x106.5	95	205	S4	4	1200		SA824138S4	SA824121S4
		114	224	S5	5	1500		SA824138S5	SA824121S5
		76	171	S3	3	900		SA035138S3	SA035121S3
2400(035)	32x76	95	190	S4	4	1200		SA035138S4	SA035121S4
		114	209	S5	5	1500		SA035138S5	SA035121S5
		76	171	S3	3	900		SA036138S3	SA036121S3
2500(036)	36x88.8	95	190	S4	4	1200	1	SA036138S4	SA036121S4
		114	209	S5	5	1500		SA036138S5	SA036121S5

The torque limiter is activated when the operating torque exceeds the setting value. During the limiting phase, the device transmits reduced power in pulses. The elimination of the external cause and the reduction of the PTO speed allows the normal power transmission to be re-established. When the limiter is activated, it is recommended to disconnect the PTO to avoid unnecessary wear and overheating.

Type *:Spline manufacture is divided into two 13/8"-Z6、13/8"-Z21 For example:SA110138S1、SA110121S1



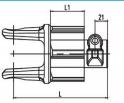
C€ **C**€

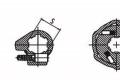
ITEM	Size	DeSCription	Notes
1		Grease	M6x1
	110		
	220		
	311		
	421		
2	500	Yoke	
	622		
	824		
	2400(035)		
	2500(036)		
3		Tube	L=38/57/76/95/144
4		Ratchet teeth and springs set	A: Ratchet tooth B: Outer spring C: Inner spring
		Spline hubS1	
		Spline hubS2	
5		Spline hubS3	1 3/8"-Z6 1 3/8"-Z21
		Spline hubS4	
		Spline hubS5	
6		Ball	1/2"
7		Retaining washer	
8		Grease protection	
9		Circlip	
10		Collar spring	
11		Sliding sleeve collar	
12		Snap ring	
13		Circlip	

CE

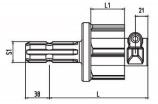
CE

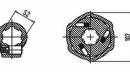
Overrunning clutch RA1 / RA2 / RA1S / RA2S Series





Series	ஞ	L1		Torque	S	Ту	pe
ocrico	-9-	2.	-	Nm max.		1 3/8"-Z6	1 3/8"-Z21
110	22x54	37	125	2400		RA1-110138	RA1-110121
220	23.8x61.2	37	130	2400		RA1-220138	RA1-220121
311	27x70	37	132	2400		RA1-311138	RA1-311121
421	27x74.6	37	138	2400	1 3/8"-Z6	RA1-421138	RA1-421121
421	21x14.0	56	156	3800	1 3/8"-Z21	RA2-421138	RA2-421121
500	30.2x80	56	165	3800		RA2-500138	RA2-500121
622	30.2x92	56	167	3800		RA2-622138	RA2-622121
824	34.9x106.5	56	182	3800		RA2-824138	RA2-824121



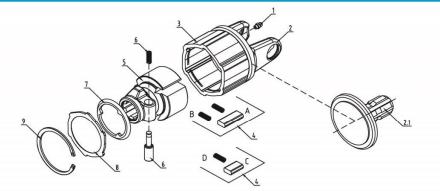


L1	L	Torque Nm max.	S1	S2	Туре
37	129	2400	1 3/8"-Z6	1 3/8"-Z21	138RA1S121
56	147	3800	1 3/8"-Z21	1 3/8"-Z6	121RA2S138

NOTE: available upon request for anti-clockwise direction of rotation.

The device is used to transmit the motion in a single rotation direction, when the tractor drives the implement. During the stopping phase, with the tractor PTO disengaged and the implement still moving, the transmission is disconnected. This device is useful for operating machinery with high rotation inertia because during the stopping phase, the tractor PTO is dis-engaged from the driven machine.

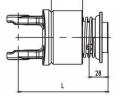
Overrunning clutch RA1 / RA2 / RA1S / RA2S Series



ITEM	Size	DeSCription	Notes
1		Grease	M6x1
	110		
	220		
	311		
2	421	Flange yoke	
	500		
	622		
	824		
2.1		Spline hub.	1 3/8"-Z6 1 3/8"-Z21
3	1	Tube	L=37 / 56
4			A/C:Ratchet B/D:Spring
5		Spline hub.	1 3/8"-Z6 1 3/8"-Z21
6		Push pin + spring	Ø14
7		Retaining washer	
8		Grease protection	
9		Circlip	

Overrunning clutch RL / RLS Series

Overrunning clutch RL / RLS Series

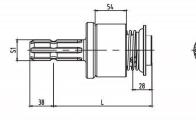


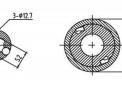




ςε ςε

Series	ē	L	Torque	S	Туре	
	-8-	1.	Nm max.		1 3/8"-Z6	1 3/8"-Z21
110	22x54	140			RL110138	RL110121
220	23.8x61.2	143			RL220138	RL220121
311	27x70	165			RL311138	RL311121
421	27x74.6	150	3000	1 3/8"-Z6 1 3/8"-Z21	RL421138	RL421121
500	30.2x80	155			RL500138	RL500121
622	30.2x92	162			RL622138	RL622121
824	34.9x106.5	177			RL824138	RL824121

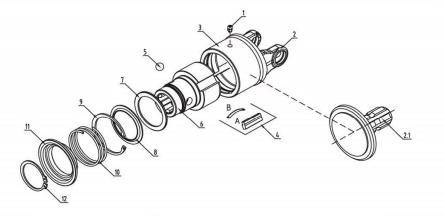




L	Torque Nm max.	S1	S2	Туре
142	2800	1 3/8"-Z6	1 3/8"-Z21	138RLS121
142	3800	1 3/8"-Z21	1 3/8"-Z6	121RLS138

NOTE: available upon request for anti-clockwise direction of rotation.

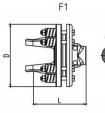
The device is used to transmit the motion in a single rotation direction, when the tractor drives the implement. During the stopping phase, with the tractor PTO disengaged and the implement still moving, the transmission is disconnected. This device is useful for operating machinery with high rotation inertia because during the stopping phase, the tractor PTO is dis-engaged from the driven machine.

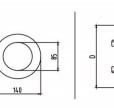


ITEM	Size	DeSCription	Notes
1		Grease	M6x1
	110		
	220		
	311		
2	421	Flange yoke	
	500		
	622		
	824		
2.1		Spline hub.	1 3/8"-Z6 1 3/8"-Z21
3		Tube	L=54
4			A: Ratchet B: Leaf + Spring
5		Ball	1/2"
6		Spline hub.	13/8"-Z6 13/8"-Z21
7		Retaining washer ring	
8		Spring push ring	
9		Circlip	
10		Collar spring	
11		Sliding sleeve collar	
12		Circlip	

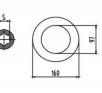
Friction torque limiter FFV1-FFV2 Series

Friction torque limiter FFV1-FFV2 Series





F2



CE

CE

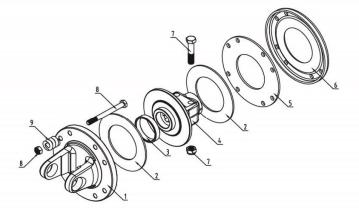
Series	ē	F1 - F2	S	D	L	Torque Nm max.	Туре		
		F1	1 3/8"-Z6	180	· · · · · · · · · · · · · · · · · · ·	900	FFV1421138		
421	27x74.6	E1	1 3/8"-Z21	100	154	900	FFV1421121		
421	21x14.0	F2	1 3/8"-Z6	200	154	1200	FFV2421138		
		ΓZ	1 3/8"-Z21	200		1200	FFV2421121		
		F1	1 3/8"-Z6	180		900	FFV1500138		
500	30.2×80	FI	1 3/8"-Z21	100	154	900	FFV1500121		
500	50.2X00	F2	1 3/8"-Z6	200	154 1200	1200	FFV2500138		
		ΓZ	1 3/8"-Z21	200		1200	FFV2500121		
	30.2x92					F1 13/8"-Z6 180	900	FFV1622138	
		EL	1 3/8"-Z21	160		900	FFV1622121		
622			1 3/8"-Z6		161		FFV2622138		
022		F2	1 3/8"-Z21	200	101	1200	FFV2622121		
		ΓZ	1 3/4"-Z6				FFV2622134		
			1 3/4"-Z20				FFV2622120		
					1 3/8"-Z6				FFV2824138
824	34.9x106.5	F2	1 3/8"-Z21	200	169	1200	FFV2824121		
024	54.58 100.5	12	1 3/4"-Z6	200	10.9	1200	FFV2824134		
			1 3/4"-Z20				FFV2824120		
			1 3/8"-Z6				FFVT2035138		
2400(035)	32x76	ED	1 3/8"-Z21	200	154	1200	FFVT2035121		
2400(035)	JZX /0	F2	1 3/4"-Z6				FFVT2035134		
			13/4"-Z20				FFVT2035120		

The torque limiter is activated when the setting torque exceeds the calibration torque. During the torque peak limiting phase, the clutch continues to transmit power. The clutch is useful as a safety device to protect against load peaks and to start machines with high rotational inertia. It is recommended to ensure that the setting value is correct to avoid excessive heating of the friction discs (insufficient setting) or clutch seizing (excessive setting).

Friction clutches may become hot during use.



Keep the area around the friction clutch clear of any material which could catch fire and avoid prolonged slipping.



ITEM	DeSCription	Notes
1	Flange yoke	
2	Friction disc	Ø140x85 Ø160x97
3	Bushing	
4	Spline hub	1 3/8"-Z6 1 3/8"-Z21 1 3/4"-Z6 1 3/4"-Z20
5	Inner plate	
6	Pressure plate	
7	Bolt + Nut	M12 8.8CL.
8	Bolt + Nut	M10 8.8CL.
9	Speing	

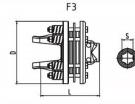
Torque Specifications:

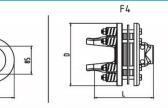
Spring	F1			F2			
1	Ø5	Ø6	Ø7	Ø5	Ø6	Ø7	
L	Nm	Nm	Nm	Nm	Nm	Nm	
L=28.5	240	390	640	280	470	770	
L=28	320	510	850	360	610	1010	
L=27.5	380	640	1070	440	740	1220	
L=27	460	750	1230	520	860	1400	
L=26.5	520	850	1360	590	980	1570	
L=26	580	930	-	650	1070	-	
L=25.5	620	-	-	700	-	-	

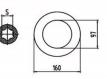


Friction torque limiter FFV3-FFV4 Series

Friction torque limiter FFV3-FFV4 Series







CE

CE

Series	- E	F3 - F4	S	D	L	Torque Nm max.	Туре																	
		F3	1 3/8"-Z6	180	168	2000	FFV3500138																	
		ГЭ	1 3/8"-Z21	100	100	2000	FFV3500121																	
500	30.2x80		1 3/8"-Z6				FFV4500138																	
500	50.2x00	F4	1 3/8"-Z21	200	168	2000	FFV4500121																	
		14	1 3/4"-Z6	200	100	2000	FFV4500134																	
			1 3/4"-Z20				FFV4500120																	
		F3	1 3/8"-Z6	180	180 175	2000	FFV3622138																	
		ГЭ	1 3/8"-Z21	100	175	2000	FFV3622121																	
622	30.2x92		1 3/8"-Z6				FFV4622138																	
022	30.2892	F4	1 3/8"-Z21	200	177	2000	FFV4622121																	
		F4	1 3/4"-Z6	200		2000	FFV4622134																	
			1 3/4"-Z20				FFV4622120																	
							1 3/8"-Z6				FFV4824138													
824	34.9x106.5	F4	1 3/8"-Z21	200	182	2500	FFV4824121																	
024	54.9X 100.5	F4	1 3/4"-Z6	200	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	2500	FFV4824134
2			1 3/4"-Z20				FFV4824120																	
			1 3/8"-Z6				161	161	161	161	161	161	161		FFV4035138									
2400	32x76	F4	1 3/8"-Z21	200	101	101		1450	FFV4035121															
(035)	52X70	Γ4	1 3/4"-Z6	200	167	1450	FFV4035134																	
			1 3/4"-Z20		107		FFV4035120																	
	1		1 3/8"-Z6		167		FFV4036138																	
2500	36x89	F4	1 3/8"-Z21	200	107	1700	FFV4036121																	
(036)	20X09	Γ4	1 3/4"-Z6	200	173							200		0.000		FFV4036134								
			1 3/4"-Z20				FFV4036120																	
			1 3/8"-Z6	104	101	104				107	101	107	107	10.6	107	101	101	107	10.0	106	10.6		FFV4026138	
2600	42x104	F4	1 3/8"-Z21	200	196					2000	FFV4026121													
(026)	42X104	Γ4	1 3/4"-Z6	200	202	2000	FFV4026134																	
			1 3/4"-Z20		202		FFV4026120																	

The torque limiter is activated when the setting torque exceeds the calibration torque. During the torque peak limiting phase, the clutch continues to transmit power. The clutch is useful as a safety device to protect against load peaks and to start machines with high rotational inertia. It is recommended to ensure that the setting value is correct to avoid excessive heating of the friction discs (insufficient setting) or clutch seizing (excessive setting).

Friction clutches may become hot during use.

Do not touch! Keep the area around the friction clutch clear of any material which could catch fire and avoid prolonged slipping.

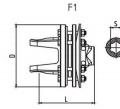
ITEM	DeSCription	Notes
1	Flange yoke	
2	Friction disc	Ø140x85 Ø160x97
3	Bushing	
4	Spline hub	13/8"-Z6 13/8"-Z21 13/4"-Z6 13/4"-Z20
5	Inner plate	
6	Drive plate	
7	Pressure plate	
8	Bolt + Nut	M12 8.8CL.
9	Bolt + Nut	M10 8.8CL.
10	Speing	

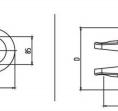
Torque Specifications:

Spring		F1				
	Ø5	Ø6	Ø7	Ø5	Ø6	Ø7
L	Nm	Nm	Nm	Nm	Nm	Nm
L=28.5	240	390	640	280	470	770
L=28	320	510	850	360	610	1010
L=27.5	380	640	1070	440	740	1220
L=27	460	750	1230	520	860	1400
L=26.5	520	850	1360	590	980	1570
L=26	580	930	-	650	1070	-
L=25.5	620		-	700	-	

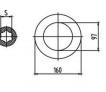


Friction torque limiter FFVT1-FFVT2 Series





F2



C€ **C**€

Series	ē	F1 – F2	S	D	L	Torque Nm max.	Туре										
		F1	1 3/8"-Z6	180		40.00	FFVT1421138										
421	27x74.6	ГІ	1 3/8"-Z21	160	154	1000	FFVT1421121										
421	21x14.0	F2	1 3/8"-Z6	200	154	1500	FFVT2421138										
		ΓZ	1 3/8"-Z21	200		1500	FFVT2421121										
		F1	1 3/8"-Z6	180		1000	FFVT1500138										
500	30.2×80	ГІ	1 3/8"-Z21	160	154	1000	FFVT1500121										
500	30.2X00	F2	1 3/8"-Z6	200	154	1500	FFVT2500138										
		ΓZ	1 3/8"-Z21	200		1500	FFVT2500121										
		F1	1 3/8"-Z6	180		1000	FFVT1622138										
		ГІ	1 3/8"-Z21	160		1000	FFVT1622121										
622	30.2x92		1 3/8"-Z6		161		FFVT2622138										
022	30.ZX9Z	E2	1 3/8"-Z21	200	101	101	1500	FFVT2622121									
		F2	1 3/4"-Z6	200													
			1 3/4"-Z20		4		FFVT2622120										
			1 3/8″-Z6				FFVT4824138										
824	34.9x106.5	F2	1 3/8"-Z21	200	169	1800	FFVT4824121										
024	54.9X 100.5	ΓZ	1 3/4"-Z6	200	109	1600	FFVT4824134										
			1 3/4"-Z20				FFVT4824120										
			1 3/8"-Z6				FFVT4035138										
2400(035)	32x76	F2	1 3/8"-Z21	200	1E /	+ 1200	FFVT4035121										
2400(035)	52X/0	ΓZ	1 3/4"-Z6	200	154		FFVT4035134										
			1 3/4"-Z20				FFVT4035120										

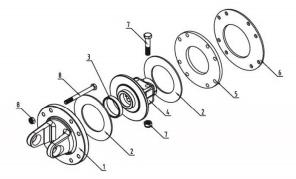
The torque limiter is activated when the setting torque exceeds the calibration torque. During the torque peak limiting phase, the clutch continues to transmit power. The clutch is useful as a safety device to protect against load peaks and to start machines with high rotational inertia. It is recommended to ensure that the setting value is correct to avoid excessive heating of the friction discs (insufficient setting) or clutch seizing (excessive setting).

Friction clutches may become hot during use.



Keep the area around the friction clutch clear of any material which could catch fire and avoid prolonged slipping.

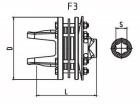
Friction torque limiter FFVT1-FFVT2 Series

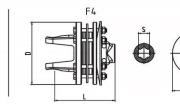


ITEM	DeSCription	Notes
1	Flange yoke	
2	Friction disc	Ø140x85 Ø160x97
3	Bushing	
4	Spline hub	13/8"-Z6 13/8"-Z21 13/4"-Z6 13/4"-Z20
5	Inner plate	
6	Belleville spring	
7	Bolt + Nut	M12 8.8CL.
8	Bolt + Nut	M10 8.8CL.

Friction torque limiter FFVT3-FFVT4 Series

Friction torque limiter FFVT3-FFVT4 Series





C€ **C**€

Series	ē	F3 - F4	S	D	L	Torque Nm max.	Туре									
1		F3	1 3/8"-Z6	180	168	2000	FFVT3500138									
		ГЭ	1 3/8"-Z21	100	100	2000	FFVT3500121									
500	30.2x80		1 3/8"-Z6				FFVT4500138									
500	50.2x00	F4	1 3/8"-Z21	200	200	168	160	2000	FFVT4500121							
		14	1 3/4"-Z6	200	100	2000	FFVT4500134									
			1 3/4"-Z20				FFVT4500120									
		F3	1 3/8"-Z6	180	175	2000	FFVT3622138									
		ГЭ	1 3/8"-Z21	100	175	2000	FFVT3622121									
622	30.2x92		1 3/8"-Z6				FFVT4622138									
022	50.2892	F4	1 3/8"-Z21	200	177	7 2000	FFVT4622121									
		Γ4	1 3/4"-Z6	200	177		FFVT4622134									
			1 3/4"-Z20				FFVT4622120									
			1 3/8"-Z6			2500	FFVT4824138									
824	34.9x106.5	F4	1 3/8"-Z21	200	182		FFVT4824121									
024	54.98100.5	14	1 3/4"-Z6	200	102	102	102	102	102	102	152	102	102	102	2500	FFVT4824134
			1 3/4"-Z20	n			FFVT4824120									
			1 3/8"-Z6		161		FFVT4035138									
2400	32x76	F4	1 3/8"-Z21	200	101	1450	FFVT4035121									
(035)	52×10	14	1 3/4"-Z6	200	167	1450	FFVT4035134									
			1 3/4"-Z20		107		FFVT4035120									
			1 3/8"-Z6	1	167		FFVT4036138									
2500	36x89	F4	1 3/8"-Z21	200	107	1700	FFVT4036121									
(036)	10X03	14	1 3/4"-Z6	200	173	245323637571	24235080791	845563635351	24235080791	24235080791	5253036295H		FFVT4036134			
			1 3/4"-Z20				FFVT4036120									
			1 3/8"-Z6		196		FFVT4026138									
2600	42x104	F4	1 3/8"-Z21	200			2000	FFVT4026121								
(026)	422104	14	1 3/4"-Z6	200	202	2000	FFVT4026134									
			1 3/4"-Z20		202		FFVT4026120									

The torque limiter is activated when the setting torque exceeds the calibration torque. During the torque peak limiting phase, the clutch continues to transmit power. The clutch is useful as a safety device to protect against load peaks and to start machines with high rotational inertia. It is recommended to ensure that the setting value is correct to avoid excessive heating of the friction discs (insufficient setting) or clutch seizing (excessive setting).

Friction clutches may become hot during use.

Do not touch! Keep the area

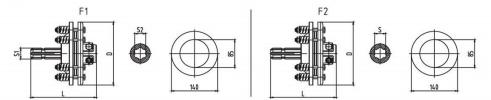
Keep the area around the friction clutch clear of any material which could catch fire and avoid prolonged slipping.

ITEM	DeSCription	Notes
1	Flange yoke	
2	Friction disc	Ø140x85 Ø160x97
3	Bushing	
4	Spline hub	1 3/8"-Z6 1 3/8"-Z21 1 3/4"-Z6 1 3/4"-Z20
5	Inner plate	
6	Drive plate	
7	Belleville spring	
8	Inner plate	
9	Bolt + Nut	M12 8.8CL.
10	Bolt + Nut	M10 8.8CL.

▶028◀

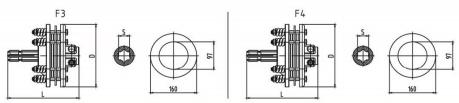


Friction torque limiter FFVS1-FFVS2-FFVS3-FFVS4 Series

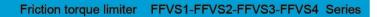


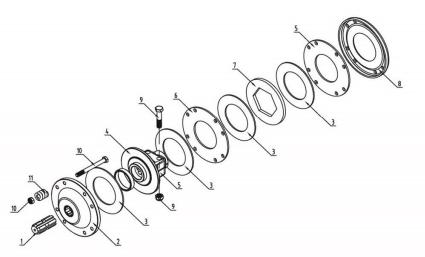
CE CE

F1 - F2	S1	S2	D	L	Torque Nm max.	Туре
	1 3/8"-Z6	1 3/8"-Z6				FFVS1138
	1 3/8"-Z21	1 3/8"-Z21	180	200		FFVS1121
F1	38x32x6-z8	38x32x6-z8			900	FFVS138328
	1 3/4"-Z6	1 3/4"-Z6				FFVS1134
	1 3/4"-Z21	1 3/4"-Z21				FFVS1120
	1 3/8"-Z6	1 3/8"-Z6				FFVS2138
	1 3/8"-Z21	1 3/8"-Z21				FFVS2121
F2	38x32x6-z8	38x32x6-z8	200	200	1200	FFVS238328
	1 3/4"-Z6	1 3/4"-Z6				FFVS2134
	1 3/4"-Z21	1 3/4"-Z21				FFVS2120



F3 – F4	S1	S2	D	L	Torque Nm max.	Туре
	1 3/8"-Z6	1 3/8"-Z6	· · · · · · · · · · · · · · · · · · ·			FFVS3138
	1 3/8"-Z21	1 3/8"-Z21	1	180 217		FFVS3121
F3	38x32x6-z8	38x32x6-z8	180		900	FFVS338328
	1 3/4"-Z6	1 3/4"-Z6				FFVS3134
	1 3/4"-Z21	1 3/4"-Z21				FFVS3120
	1 3/8"-Z6	1 3/8"-Z6				FFVS4138
	1 3/8"-Z21	1 3/8"-Z21				FFVS4121
F4	38x32x6-z8	38x32x6-z8	200	217	1200	FFVS438328
	1 3/4"-Z6	1 3/4"-Z6			· · · · · · ·	FFVS4134
[1 3/4"-Z21	1 3/4"-Z21				FFVS4120

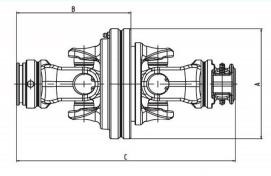




ITEM	DeSCription	Notes
1	Spline shaft	13/8"-Z6 13/8"-Z21 38x32x6-z8 13/4"-Z6 13/4"-Z20
2	Flange yoke	
3	Friction disc	Ø140x85 Ø160x97
4	Bushing	
5	Spline hub	13/8"-Z6 13/8"-Z21 38x32x6-z8 13/4"-Z6 13/4"-Z20
6	Inner plate	
7	Drive plate	
8	Pressure plate	
9	Bolt + Nut	M12 8.8CL.
10	Bolt + Nut	M10 8.8CL.
11	Speing	

Constant velocity joint (SFT.80°) CV Series

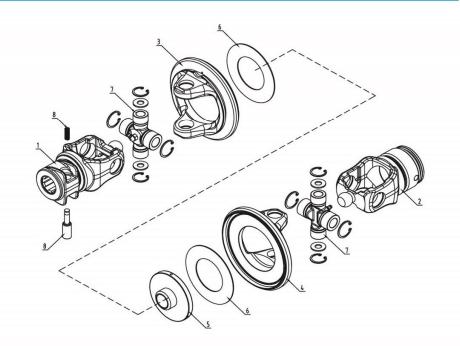
Constant velocity joint (SFT.80°) CV Series



CE

CE

Size	ē	А	В	С									Туре
					T364	CV46236	_		_			CV2386138	CV4001
					1 304	(\$40230	-	-	-	-		CV2386121	CV4001121
421	23.8x91	155	164	315			12/1	CV2386234	_		CV238000	CV2386138	CV238001
421	27x74.6	ככו	104	כוכ	-	-	L344	(¥2300234	-	_	CV230000	N/A	N/A
_						· · · · · · · · · · · · · · · · · · ·	1/42	CV2386241				CV2386138	CV238002
					-	-	L413	LV2300241	-	-		N/A	N/A
					T454	CV66245						CV356138	CV6001
					1454	(100245	-	-	-	-		CV356121	CV6001121
					T544	CV66254						CV356138	CV6002
622	27x94	166	184	350	1544	LV00254	-	-	-		CUDEDOD	CV356121	CV6002121
022	32x76	100	104	220			1.705	CV356239			CV35000	CV356138	CV35001
					-	-	L395	LV350239	-	-		N/A	N/A
							1.1.01	CV356248				CV356138	CV35002
					-	-	L484	LV356248	-			N/A	N/A
					-							CV366138	CV8001
					T544	CV86254	-		-	-		CV366121	CV8001121
		_									CV2(000	CV366120	CV8001120
											CV36000	CV366138	CV36001
824	32x106 36x88.8	184	184	350	-	-	-	-	S510	CV366251		CV366121	CV36001121
	0.00X0C											CV366120	CV36001120
												CV366138	CV36002
					-	-	-	-	S614	CV366261		CV366121	CV36002121
												CV366120	CV36002120

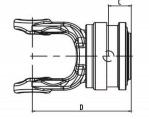


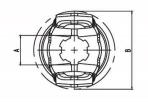
ITEM	DeSCription	Notes
1	Yoke	13/8"-Z6 13/8"-Z21 38x32x6-z8 13/4"-Z6 13/4"-Z20
2	Yoke	
3	Flange yoke.a	
4	Flange yoke.b	
5	Slider	
6	Belleville spring	
7	Cross + Bearing kit	
8	Pin + Spring	

Speedlash SP Series

Speedlash SP Series

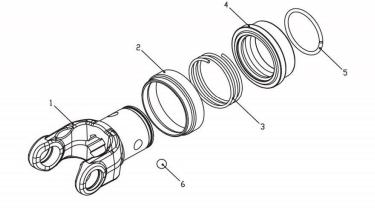
.....





ςε ςε

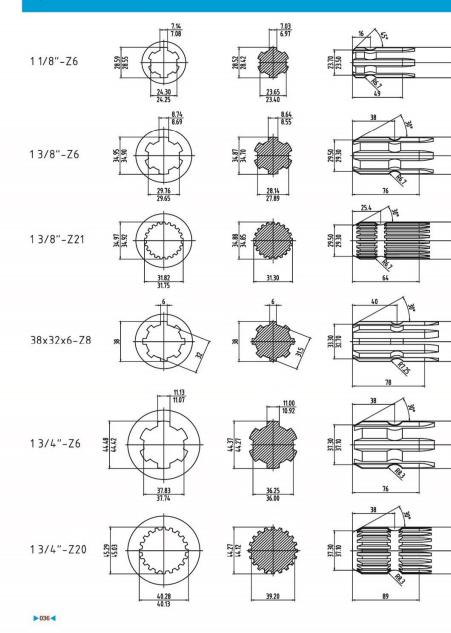
Series	r Son	А	В	С	D	Туре
110	22x54	1 3/8"-Z6	73	26	98	SP110138
110	22X54	1 3/8"-Z21	15	20	98	SP110121
220	23.8x61.2	1 3/8"-Z6	80	26	104	SP220138
220	23.0001.2	1 3/8"-Z21	00	20	104	SP220121
421	27x74.6	1 3/8"-Z6	94	26	111	SP421138
421	21x14.0	1 3/8"-Z21	94	20		SP421121
500	30.2x80	1 3/8"-Z6	100	26	115	SP500138
500	50.2x00	1 3/8"-Z21	100	20	CII	SP500121
		1 3/8"-Z6		26	120	SP622138
622	30.2x92	1 3/8"-Z21	115	20	120	SP622121
022	50.2892	1 3/4"-Z6	115	29.5	131	SP622134
		1 3/4"-Z20		29.5	151	SP622120
		1 3/8"-Z6		26	137	SP824138
824	34.9x106.5	1 3/8"-Z21	132	20	1 61	SP824121
024	54.98 100.5	1 3/4"-Z6	IJZ	29.5	142	SP824134
		1 3/4"-Z20		29.5	142	SP824120

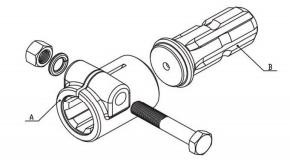


ITEM	Size	DeSCription	Notes
	110		
	220		
1	421	Yoke	Spline:1 3/8"-Z6
'	500	TORE	1 3/8"-Z21
	622		
	824		
2		Protection set	
3		Collar spring	
4		Sliding sleeve collar	
5		Snap ring	
6		Ball	1/2"

PTO Adaptor & splined shaft

Splined dimensions





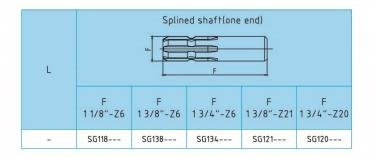
ςε ςε

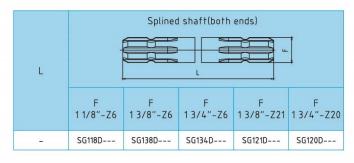
Code	А	В	Length	Code	А	В	Length
138B118		1 1/8"-Z6	135	138P118		1 1/8"-Z6	135
138B138	13/8"-Z6	1 3/8"-Z6	160	138P138	1 3/8"-Z6	1 3/8"-Z6	160
138B134	n.	1 3/4"-Z6	165	138P134		1 3/4"-Z6	165
138B121		1 3/8"-Z21	160	138P121		1 3/8"-Z21	160
138B120		1 3/4"-Z20	165	138P120		1 3/4"-Z20	165
134B138	13/4"-Z6	1 3/8"-Z6	160	121P118		1 1/8"-Z6	135
134B121	13/4 -26	1 3/8"-Z21	170	121P138	1 3/8"-Z21	1 3/8"-Z6	160
134B120		1 3/4"-Z20	175	121P134		1 3/4"-Z6	445
121B118		1 1/8"-Z6	135	121P120		1 3/4"-Z20	165
121B138	1 3/8"-Z21	1 3/8"-Z6	160				
121B134		1 3/4"-Z6	445				
121B120		1 3/4"-Z20	165				
120B138	4.2.4.11 7.2.0	1 3/8"-Z6	170				
120B134	1 3/4"-Z20	1 3/4"-Z6	175				
120B121		1 3/8"-Z21	170				

PTO Adaptor & splined shaft

L	-			Splined bush	<u>)</u>		Spline joint
		F 1 1/8″-Z6	F 1 3/8"-Z6	F 1 3/4"-Z6	F 1 3/8"-Z21	F 1 3/4"-Z20	F 1 3/8"-Z6
6	0	PG118060	PG138060	PG134060	PG121060	PG120060	PG138060S
6	5	PG118065	PG138065	PG134065	PG121065	PG120065	PG138065S
8	0	PG118080	PG138080	PG134080	PG121080	PG120080	PG138080S
10	0	PG118100	PG138100	PG134100	PG121100	PG120100	PG138100S
12	0	PG118120	PG138120	PG134120	PG121120	PG120120	PG138120S
13	0	PG118130	PG138130	PG134130	PG121130	PG120130	PG138130S

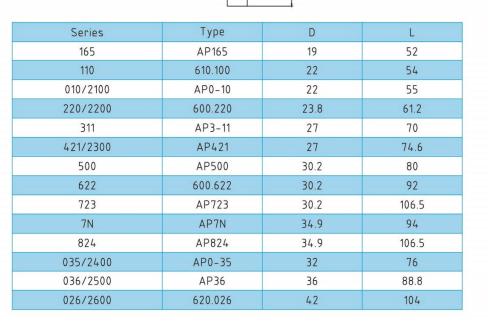
CE CE



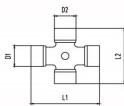


CROSS

▶039◀



O



SERIES	Туре	D1	L1	D2	L2
CVJ4	AP2106	23.8	91	27	74.6
CVJ6	AP3506	27	94	32	76
CV J8	AP3606	32	106	36	88.8

▶038◀

Safety and working conditions

Safety and working conditions

▶040◀

	Inner 역		<		Outer ∝		
Туре	A	В	Code	Туре	А	В	Code
110	26.5	3.5	T263	110	33	2.6	T332
220	29	3.5	T293	220	36	3.4	T363
311	36	3.4	T363	311	43	3	T433
421	36	4.5	T364	421	43	3	T433
500	45	4	T454	500	52	3	T523
622	45	4	T454	622	54	4	T544
723	45	5.5	T455	723	54	4	T544
824	54	4	T544	824	63	4	T634
9	54	6	T546	9	63	4	T634

CE

CE

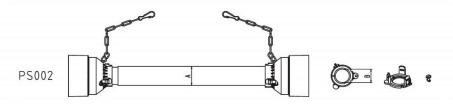
	1	nner				0	uter	and a state of the	
Туре	А	В	S	Code	Туре	А	В	S	Code
2100	23.8	31	5	L235	2100	30	39	3	L303
2100/2200/2300	34.5	40	4	L344	2100/2200/2300	41.3	48	3	L413
2300/2400	39.5	49	5	L395	2300/2400	48	57.5	4	L484

	Ir	ner	V B			()uter	B	
Туре	А	В	S	Code	Туре	А	В	S	Code
2400(035)/2500(036)	51	37		S510	2400(035)/2500(036)	61	47	4.5	S614
2600(026)	61	47	4.5	S614	2600(026)	71	57.5	5	S715

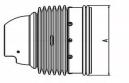
	ų						
Туре	А	Length	Code	Туре	A	Length	Code
50HP	40-Z12		G40Z12	50HP	58	3	R583
70/90/100HP	45-Z14		G45Z14	70/90/100HP	65	3.5	R653
130HP	55-Z20		G55Z20	130HP	75	4	R754

PS001

C	Tub	e (A)	Retaining collar (B)		
Series	Inner	Outer	Inner	Outer	
110			34	40	
220	55.5	61	41	47	
311 - 421	61	66.5	47	54	
500	75	01.0	54.5	63	
622 - 7N	75	81.2	60	69	
824	90	96	69.5	81.5	



Series	Tub	e (A)	Retaining collar (B)		
	Inner	Outer	Inner	Outer	
110			34	40	
220	55.5	61	41	47	
311 - 421	61	66.5	47	54	
500	25	81.2	54.5	63	
622 - 7N	75		60	69	
824	90	96	69.5	81.5	





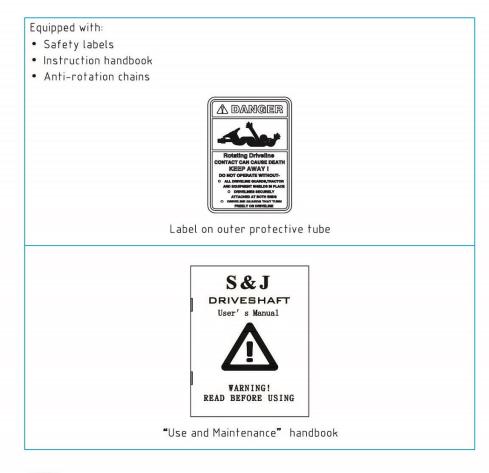
Series	А	В
421	210	117
622	225	123
824	245	127

ĆE

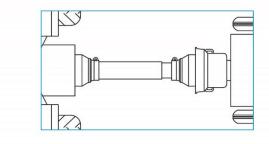
Safety and working conditions

Safety and working conditions

S&J Has always considered safety to be one of the most important design and construction parameters for its products which are all built in full compliance with the international ISO standard and EU safety regulations. Information on safety and on correct final user's application of the PTO drive shaft are supplied in safety labels and in the "Use and Maintenance" Manual provided with all PTO drive shafts. It is the customer responsibility to inform S&J. about the Country to which the PTO drive shafts will be delivered, in order to provide them with the suitable Manuals and Labels.



Please read carefully before use "Use and Maintenance" handbook. Before starting to work, make sure that:

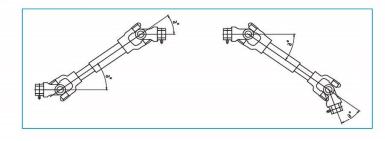


• Ensure that all driveline, tractor and implement shields are functional and in place before operation. Damaged or missing parts must be replaced with original spare parts, correctly installed, before using the driveline.



• Ensure that the driveline is securely attached to the tractor.

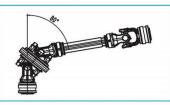
• The joint angles are limited ang equal;for operations that exceed 35°,disengage the power take-off.



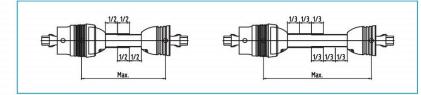
Safety and working conditions

Safety and working conditions

• the PTO drive shaft joint does not operate continuously with an angle close to 80°, but only for brief periods (steering).



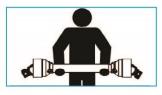
• 1/3 of the transmissions telescopic elements are always overlapping in the STD transmission and 1/2 in the PTO drive shaft transmissions..



• DANGER! Rotating driveline-contact can cause death. Keep away! Do not wear loose clothing, jewelry, or hair that could become entangled with the driveline.



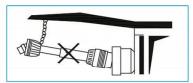
• The transmission must be transported horizontally to prevent accidents (since it may slip out) or to avoid damage to safety guards. Depending on the weight, use a suitable means of transport.



Never use the safety chains to support the driveline for storage. Always
use the support on the implement.

CE

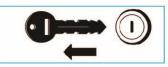
CE



• Do not stand on the driveline. Do not step over, or go under the driveline.



• Disengage the P.T.O, turn off the tractor engine and remove key before approaching the implement or performing maintenance work.

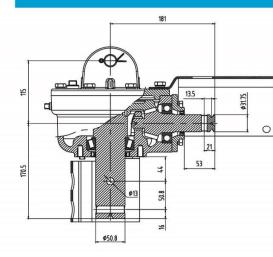


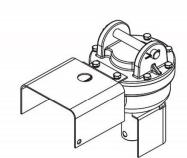
• Friction clutches may become hot dring use .Do not touch! Keep the area around the friction clutch clear of any material which could catch fire and avoid prolonged slipping.

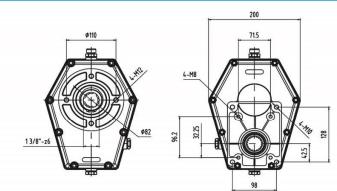


CE CE

Gear box



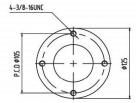




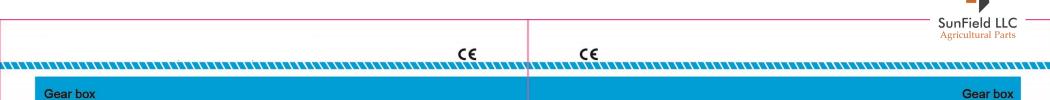


Gear box

Part NO.			Output				
Part NU.	Ratio	R.P.M	KW	HP – CV	N.m	N.m	R.P.M
SJ-CN00090	3.76 : 1	540	13	17.5	158	230	143
SJ-CN00097	3.05 : 1	540	13	17.5	158	230	177

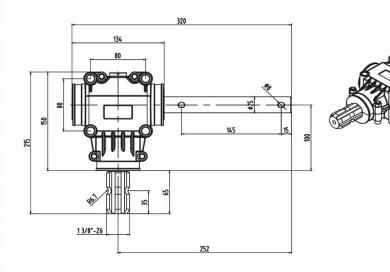


Part NO.	Input						tput
Part NO.	Ratio	R.P.M	KW	HP – CV	N.m	N.m	R.P.M
SJ-S240701AS	3 : 1	540	45	60	778	2334	180

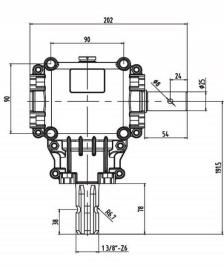


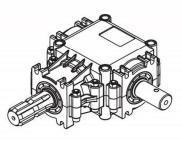
D



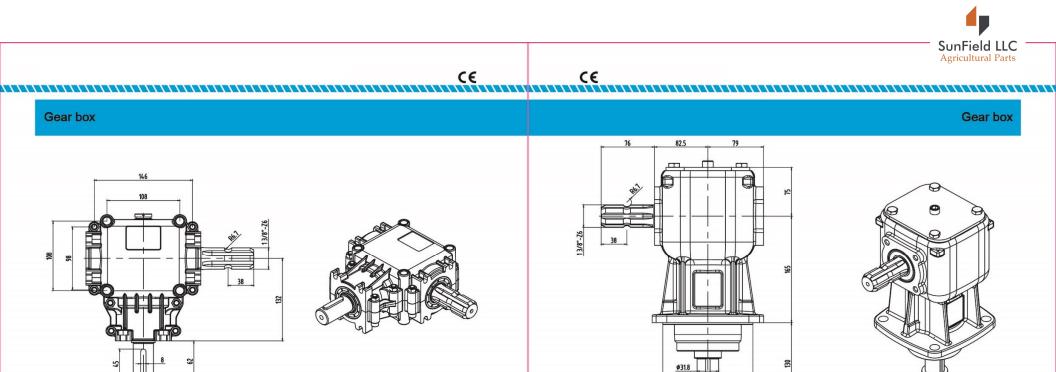


Part NO.		SJM1515-1	
Ratio		1:1	
Module		4.5	
Input Description		Spline shaft (1 3/8"-Z6)	
Output Description		Plain shaft (Ø25)	
Housing Material		YL104	
Gear Material		20CrMnTi	
Shaft Material		40Cr/20CrMnTi	
Housing Surface Colour		According to the customers requirements	
N.W	kg	4.2	
B.I.I.	HP	11	
Rated input power K		8	
Rated output torque	N.m	14	
Rated input speed	R.P.M	540	





Part NO.		SJM1616-2	
Ratio		1:1	
Module		4.5	
Input Description		Spline shaft (1 3/8"-Z6)	
Output Description		Plain shaft (ø25)	
Housing Material		YL104	
Gear Material		20CrMnTi	
Shaft Material		40Cr/45#	
Housing Surface Colour		Black plastic spray	
N.W	kg	4.7	
Rated input power	HP	15	
Kared input power KW		11	
Rated output torque	N.m	18.9	
Rated input speed R.P.M		540	



Part NO.		SJM2509-2F.W	
Ratio		1 : 2.78	
Module		3.8	
Input Description		Spline shaft (1 3/8"-Z6)	
Output Description		Plain shaft (Ø30)	
Housing Material		YL104	
Gear Material		20CrMnTi	
Shaft Material		40Cr/20CrMnTi	
Housing Surface Colour		True colors	
N.W	kg	7.4	
Dated input nouse	HP	14	
Rated input power K		10	
Rated output torque	N.m	4.9	
Rated input speed	R.P.M	540	

\$30

Part NO.		SJM2312-1	
Ratio		1 : 1.92	
Module		5	
Input Description		Spline shaft (1 3/8"-Z6)	
Output Description		Cone base aequilate spline shaft	
Housing Material		QT400-18	
Gear Material		20CrMnTi	
Shaft Material		20CrMnTi	
Housing Surface Colour		According to the customers requirements	
N.W	kg	16	
Dated issue as use	HP	30	
Rated input power	KW	22	
Rated output torque N.m		20	
Rated input speed	R.P.M	540	

Ø133.5