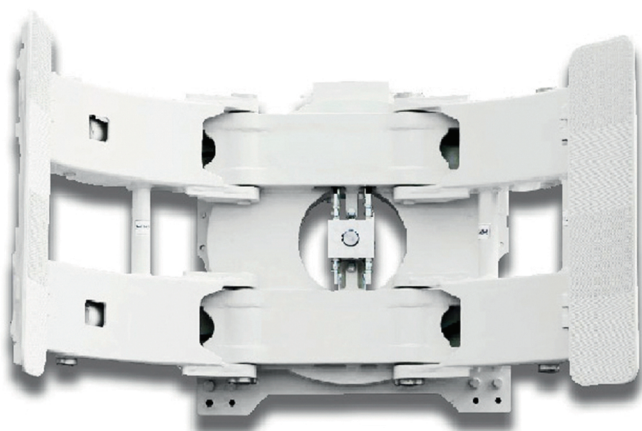


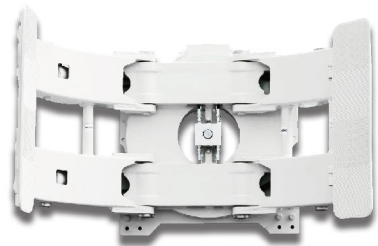
PRODUCT CATALOG

PAPER ROLL CLAMP

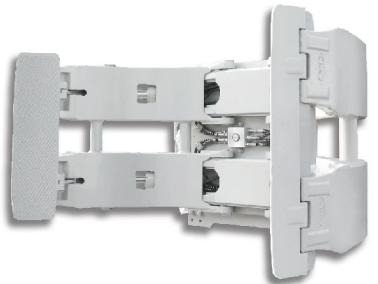


Paper Roll Clamp

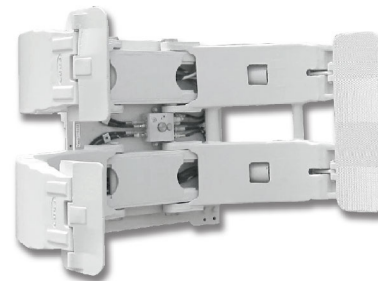
HELI



- 3-1 22H-series Paper Roll Clamp 11
- 3-2 25H-series Paper Roll Clamp 12
- 3-3 27H-series Paper Roll Clamp 13
- 3-4 33H-series Paper Roll Clamp 14



- 3-5 R-series Paper Roll Clamp 15



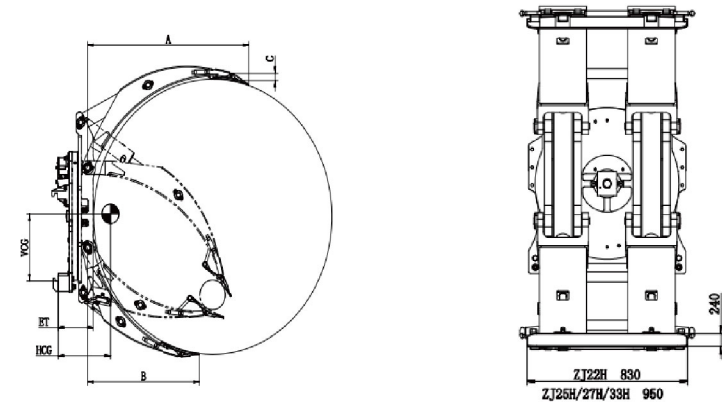
- 3-6 Separate Paper Roll Clamp 16

Introduction:

Paper roll clamp is widely used in the paper roll industry for damage free roll handling with maximum efficiency. HELI offers a full line of paper roll clamps to handle paper rolls regardless of diameter, weight or type of paper. For paper roll handling of every size in industries from stevedoring to printing, our Paper Roll Clamp will deliver.

22H-series Paper Roll Clamp

HELI



Capacity @ Load Center	Model	Opening Range	Mounting Class	Long Arm Length	Short Arm Length	Arm Thickness	Weight	Effective Thickness	Vertical Center of Gravity	Horizontal Center of Gravity	Available Forklift
Kg @ mm		(mm)		A (mm)	B (mm)	C (mm)	(kg)	ET (mm)	VCG (mm)	HCG (mm)	(t)
2200@700	ZJ22H-A1	440-1400	II	989	658	39	677	236	410	321	2-2.5t
2200@650	ZJ22H-A2	200-1300	II	933	645	39	670	236	355	295	2-2.5t
2200@650	ZJ22H-A3	440-1300	II	933	645	39	660	236	360	288	2-2.5t
1950@800	ZJ22H-A4	200-1600	II	1080	750	39	720	236	432	338	2-2.5t
1950@800	ZJ22H-A5	500-1600	II	1080	750	39	710	236	420	330	2-2.5t
1700@915	ZJ22H-A6	380-1830	II	1290	806	39	760	236	366	465	2-2.5t
1700@915	ZJ22H-A7	680-1830	II	1290	806	39	755	236	367	458	2-2.5t
2050@762	ZJ22H-A8	200-1525	II	1040	730	39	710	236	350	350	2-2.5t
2050@762	ZJ22H-A9	490-1525	II	1040	730	39	705	236	360	352	2-2.5t
2200@700	ZJ22H-A14	200-1400	II	989	658	39	685	236	400	310	2-2.5t
2200@700	ZJ22H-B1	440-1400	III	989	658	39	677	236	410	321	3-4.5t
2200@650	ZJ22H-B2	200-1300	III	933	645	39	670	236	355	295	3-4.5t
2200@650	ZJ22H-B3	440-1300	III	933	645	39	660	236	360	288	3-4.5t
1950@800	ZJ22H-B4	200-1600	III	1080	750	39	720	236	432	338	3-4.5t
1950@800	ZJ22H-B5	500-1600	III	1080	750	39	710	236	420	330	3-4.5t
1700@915	ZJ22H-B6	380-1830	III	1290	806	39	760	236	366	465	3-4.5t
1700@915	ZJ22H-B7	680-1830	III	1290	806	39	755	236	367	458	3-4.5t
2050@762	ZJ22H-B8	200-1525	III	1040	730	39	710	236	350	350	3-4.5t
2050@762	ZJ22H-B9	490-1525	III	1040	730	39	705	236	360	352	3-4.5t
2200@700	ZJ22H-B14	200-1400	III	989	658	39	685	236	400	310	3-4.5t

Notes:

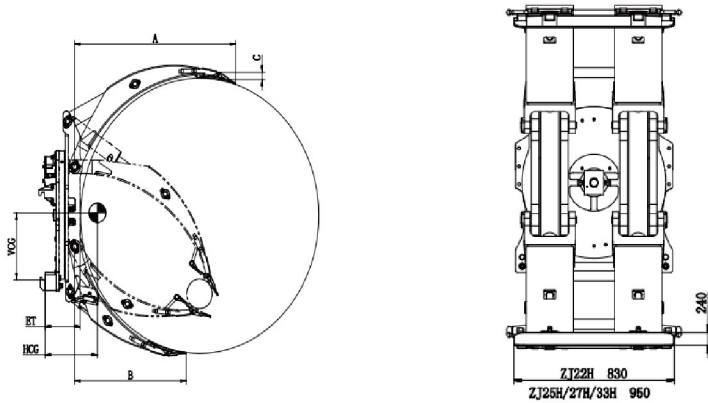
- Forklift trucks need to add 2 sets of oil lines;
- Please obtain the actual comprehensive bearing capacity from the forklift manufacturer;
- According to the needs of customers, we can provide clamping plates suitable for different paper roll clamps;
- The odd number of the model number means that the short arm is fixed, and the even number means that the short arm is adjustable.

Features:

- Reduced Roll Damage
 - With two-way hydraulic lock to achieve two-way hydraulic self-lock;
 - Clamp arms adopt high-strength alloy steel plate to reduce damage.
- Fast Roll Handling
 - 360° rotation to quickly transition to and from bilge position;
 - Worm arm adopts involute gear to improve clamp arm speed.
- Excellent Durability
 - With large modulus slewing bearing to achieve high-strength capacity;
 - Highly durable rotator parts to extend service life.

25H-series Paper Roll Clamp

HELI



Capacity @ Load Center	Model	Opening Range	Mounting Class	Long Arm Length	Short Arm Length	Arm Thickness	Weight	Effective Thickness	Vertical Center of Gravity	Horizontal Center of Gravity	Available Forklift
Kg @ mm		(mm)		A (mm)	B (mm)	C (mm)	(kg)	ET (mm)	VCG (mm)	HCG (mm)	(t)
2500@700	ZJ25H-B1	575-1400	III	1015	618	42	775	191	521	285	3-4.5t
2500@650	ZJ25H-B2	200-1300	III	952	620	42	755	191	514	274	3-4.5t
2500@650	ZJ25H-B3	450-1300	III	952	620	42	748	191	520	275	3-4.5t
2300@800	ZJ25H-B4	200-1600	III	1125	710	42	823	191	518	307	3-4.5t
2300@800	ZJ25H-B5	625-1600	III	1125	710	42	816	191	524	308	3-4.5t
2100@915	ZJ25H-B6	200-1830	III	1245	820	42	883	191	536	341	3-4.5t
2100@915	ZJ25H-B7	625-1830	III	1245	820	42	876	191	541	342	3-4.5t
2400@762	ZJ25H-B8	200-1525	III	1068	678	42	812	191	517	293	3-4.5t
2400@762	ZJ25H-B9	575-1525	III	1068	678	42	803	191	522	294	3-4.5t
2500@700	ZJ25H-B14	200-1400	III	1015	618	42	780	191	516	285	3-4.5t

Notes:

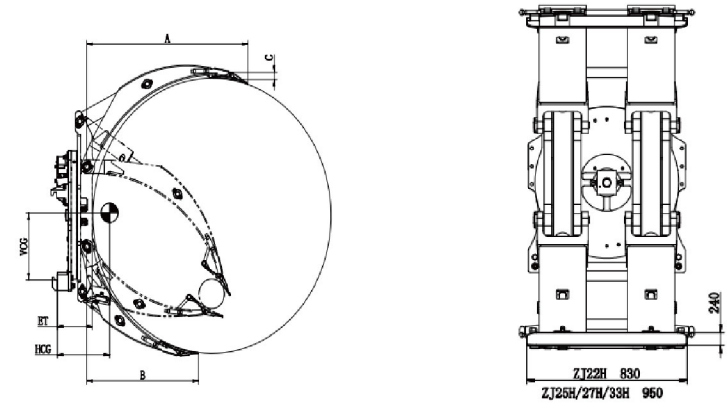
- 1.Forklift trucks need to add 2 sets of oil lines;
- 2.Please obtain the actual comprehensive bearing capacity from the forklift manufacturer;
- 3.According to the needs of customers, we can provide clamping plates suitable for different paper roll clamps;
- 4.The odd number of the model number means that the short arm is fixed, and the even number means that the short arm is adjustable.

Features:

- 1.Reduced Roll Damage
 - With two-way hydraulic lock to achieve two-way hydraulic self-lock;
 - Clamp arms adopt high-strength alloy steel plate to reduce damage.
- 2.Fast Roll Handling
 - 360° rotation to quickly transition to and from bilge position;
 - Worm arm adopts involute gear to improve clamp arm speed.
3. Excellent Durability
 - With large modulus slewing bearing to achieve high-strength capacity;
 - Highly durable rotator parts to extend service life.

27H-series Paper Roll Clamp

HELI



Capacity @ Load Center	Model	Opening Range	Mounting Class	Long Arm Length	Short Arm Length	Arm Thickness	Weight	Effective Thickness	Vertical Center of Gravity	Horizontal Center of Gravity	Available Forklift
Kg @ mm		(mm)		A (mm)	B (mm)	C (mm)	(kg)	ET (mm)	VCG (mm)	HCG (mm)	(t)
2800@700	ZJ27H-B1	575-1400	III	1015	618	42	775	191	521	285	3-4.5t
3000@650	ZJ27H-B2	200-1300	III	952	620	42	755	191	514	274	3-4.5t
3000@650	ZJ27H-B3	450-1300	III	952	620	42	748	191	520	275	3-4.5t
2450@800	ZJ27H-B4	200-1600	III	1125	710	42	823	191	518	307	3-4.5t
2450@800	ZJ27H-B5	625-1600	III	1125	710	42	816	191	524	308	3-4.5t
2200@915	ZJ27H-B6	200-1830	III	1245	820	42	883	191	536	341	3-4.5t
2200@915	ZJ27H-B7	625-1830	III	1245	820	42	876	191	541	342	3-4.5t
2550@762	ZJ27H-B8	200-1525	III	1068	678	42	812	191	517	293	3-4.5t
2550@762	ZJ27H-B9	575-1525	III	1068	678	42	803	191	522	294	3-4.5t
2800@700	ZJ27H-B14	200-1400	III	1015	618	42	780	191	516	285	3-4.5t

Notes:

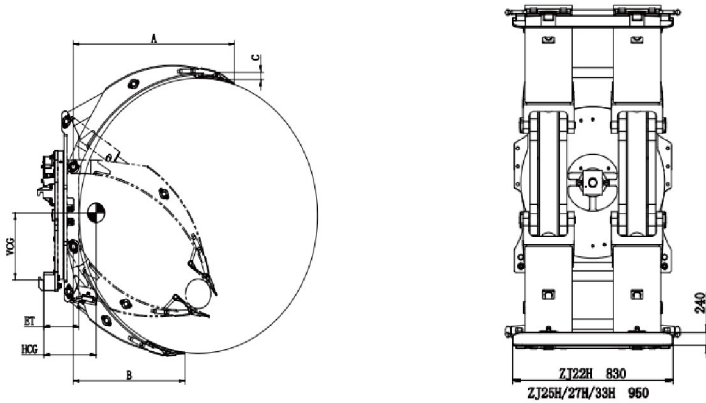
- 1.Forklift trucks need to add 2 sets of oil lines;
- 2.Please obtain the actual comprehensive bearing capacity from the forklift manufacturer;
- 3.According to the needs of customers, we can provide clamping plates suitable for different paper roll clamps;
- 4.The odd number of the model number means that the short arm is fixed, and the even number means that the short arm is adjustable.

Features:

- 1.Reduced Roll Damage
 - With two-way hydraulic lock to achieve two-way hydraulic self-lock;
 - Clamp arms adopt high-strength alloy steel plate to reduce damage.
- 2.Fast Roll Handling
 - 360° rotation to quickly transition to and from bilge position;
 - Worm arm adopts involute gear to improve clamp arm speed.
3. Excellent Durability
 - With large modulus slewing bearing to achieve high-strength capacity;
 - Highly durable rotator parts to extend service life.

33H-series Paper Roll Clamp

HELI



Capacity @ Load Center	Model	Opening Range	Mounting Class	Long Arm Length	Short Arm Length	Arm Thickness	Weight	Effective Thickness	Vertical Center of Gravity	Horizontal Center of Gravity	Available Forklift
Kg @ mm		(mm)		A (mm)	B (mm)	C (mm)	(kg)	ET (mm)	VCG (mm)	HCG (mm)	(t)
3300@700	ZJ33H-B1	500-1400	III	1016	617	42	800	198	479	278	3-4.5t
3500@650	ZJ33H-B2	200-1300	III	955	627	42	785	198	499	269	3-4.5t
3500@650	ZJ33H-B3	425-1300	III	955	627	42	777	198	494	269	3-4.5t
2850@800	ZJ33H-B4	200-1600	III	1122	711	42	860	198	495	305	3-4.5t
2850@800	ZJ33H-B5	575-1600	III	1122	711	42	852	198	490	305	3-4.5t
2500@915	ZJ33H-B6	200-1830	III	1250	823	42	890	198	514	335	3-4.5t
2500@915	ZJ33H-B7	600-1830	III	1250	823	42	882	198	509	335	3-4.5t
3000@762	ZJ33H-B8	200-1525	III	1075	681	42	845	198	495	291	3-4.5t
3000@762	ZJ33H-B9	575-1525	III	1075	681	42	837	198	490	291	3-4.5t
3300@700	ZJ33H-B14	200-1400	III	1016	617	42	808	198	484	278	3-4.5t

Notes:

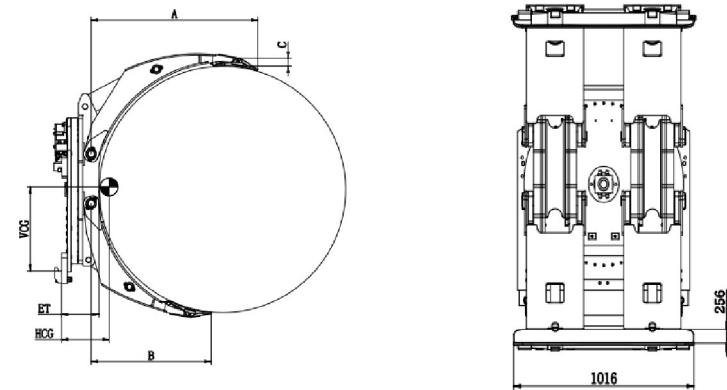
1. Forklift trucks need to add 2 sets of oil lines;
2. Please obtain the actual comprehensive bearing capacity from the forklift manufacturer;
3. According to the needs of customers, we can provide clamping plates suitable for different paper roll clamps;
4. The odd number of the model number means that the short arm is fixed, and the even number means that the short arm is adjustable.

Features:

1. Reduced Roll Damage
 - With two-way hydraulic lock to achieve two-way hydraulic self-lock;
 - Clamp arms adopt high-strength alloy steel plate to reduce damage.
2. Fast Roll Handling
 - 360° rotation to quickly transition to and from bilge position;
 - Worm arm adopts involute gear to improve clamp arm speed.
3. Excellent Durability
 - With large modulus slewing bearing to achieve high-strength capacity;
 - Highly durable rotator parts to extend service life.

R-series Paper Roll Clamp

HELI



Capacity @ Load Center	Catalog Order NO.	Opening Range	Mounting Class	Long Arm Length	Short Arm Length	Arm Thickness	Weight	Effective Thickness	Vertical Center of Gravity	Horizontal Center of Gravity	Available Forklift
Kg @ mm		(mm)		A (mm)	B (mm)	C (mm)	(kg)	ET (mm)	VCG (mm)	HCG (mm)	(t)
1000@800	ZJ10R-A1	560-1600	II	995	675	45	420	135	330	290	1-2.5t
1100@750	ZJ11R-A1	450-1500	II	890	640	45	400	135	330	300	1-2.5t
1200@650	ZJ12R-A1	410-1300	II	860	570	45	376	135	340	255	1-2.5t
1200@650	ZJ12R-B1	410-1300	III	860	570	45	380	135	340	255	3-4.5t
1300@575	ZJ13R-A1	330-1150	II	745	535	45	385	135	335	250	1-2.5t
1300@575	ZJ13R-B1	330-1150	III	745	535	50	385	135	335	250	3-4.5t
3500@650	ZJ35R-B13A	300-1300	III	970	637	65	1015	229	495	298	5-7t
3500@760	ZJ35R-B1	610-1520	III	1025	745	65	1215	229	560	335	3-4.5t
3500@760	ZJ35R-B2	250-1520	III	1025	745	65	1235	229	570	340	3-4.5t
3500@800	ZJ35R-B3	600-1600	III	1096	776	65	1210	229	565	312	5-7t
3500@800	ZJ35R-B4	300-1600	III	1096	776	65	1220	229	573	316	5-7t
3500@760	ZJ35R-C1	610-1520	IV	1025	745	65	1215	229	560	335	5-7t
3500@760	ZJ35R-C2	250-1520	IV	1025	745	65	1235	229	570	340	5-7t
3500@800	ZJ35R-C3	600-1600	IV	1096	776	65	1210	229	565	312	5-7t
3500@800	ZJ35R-C4	300-1600	IV	1096	776	65	1220	229	573	316	5-7t
3000@915	ZJ35R-C6	380-1830	IV	1198	914	65	1225	229	596	358	5-7t
2700@1100	ZJ35R-C10	450-2200	IV	1425	1023	65	1375	229	622	403	5-7t
2700@1000	ZJ35R-C12	400-2000	IV	1420	861	65	1340	229	634	399	5-7t
3000@1250	ZJ45R-C12-03	400-2500	IV	1825	1120	65	1860	229	559	486	5-7t

Notes:

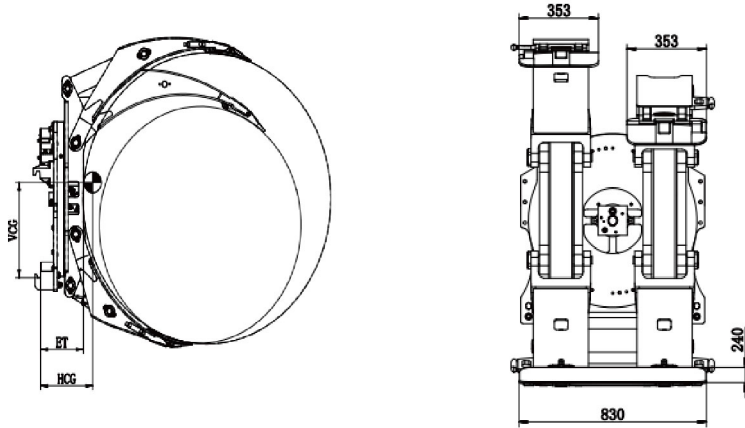
1. Forklift trucks need to add 2 sets of oil lines;
2. Please obtain the actual comprehensive bearing capacity from the forklift manufacturer;
3. According to the needs of customers, we can provide clamping plates suitable for different paper roll clamps;
4. The odd number of the model number means that the short arm is fixed, and the even number means that the short arm is adjustable.

Features:

1. Reduced Roll Damage
 - With two-way hydraulic lock to achieve two-way hydraulic self-lock;
 - Clamp arms adopt high-strength alloy steel plate to reduce damage.
2. Fast Roll Handling
 - 360° rotation to quickly transition to and from bilge position;
 - Worm arm adopts involute gear to improve clamp arm speed.
3. Excellent Durability
 - With large modulus slewing bearing to achieve high-strength capacity;
 - Highly durable rotator parts to extend service life.

Separate Paper Roll Clamp

HELI



Capacity @ Load Center	Catalog Order NO.	Opening Range	Mounting Class	Pad Size	Weight	Effective Thickness	Vertical Center of Gravity	Horizontal Center of Gravity	Available Forklift
Kg @ mm		(mm)		H×W (mm)	(kg)	ET (mm)	VCG (mm)	HCG (mm)	(t)
2200@700	ZJ22HA-B14	200-1400	III	2×(358×232)	680	241	400	310	3-4.5t

Notes:

1. Forklift trucks need to add 2 sets of oil lines;
2. Please obtain the actual comprehensive bearing capacity from the forklift manufacturer;
3. According to the needs of customers, we can provide clamping plates suitable for different paper roll clamps;

Features:

1. Reduced Roll Damage
 - With two-way hydraulic lock to achieve two-way hydraulic self-lock;
 - Clamp arms adopt high-strength alloy steel plate to reduce damage.
2. Fast Roll Handling
 - 360° rotation to quickly transition to and from bilge position;
 - Separate long arm can hold paper rolls of different diameters to improve efficiency.
3. Excellent Durability
 - With large modulus slewing bearing to achieve high-strength capacity;
 - Highly durable rotator parts to extend service life.

Paper Roll Clamp Worksheet

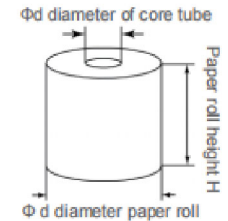
HELI

Customer information

Host factory/agent _____ Contact _____
 Address _____ Post _____
 Telephone _____ Fax _____ Email _____
 End users _____ Contact _____
 Address _____ Post _____
 Telephone _____ Fax _____ Email _____

Data on individual roll parameters (note: mm are all the following parameter units)

Height H range values _____ Weight _____
 Core tube diameter Φd range values _____
 Paper roll diameter Φd range values _____
 Other notes _____



Working condition

Paper roll packaging type

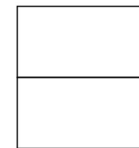
☐ Kraft paper ☐ Packaging film ☐ Banding belt ☐ Other

Working conditions of paper roll

- ☐ Does the diameter of the reel vary greatly?
☐ Do you need to operate in small Spaces such as containers, freight cars?
☐ Do I need to hold two rolls of different diameters at one time?
☐ Do you need a forward tilting function?

Are there any other special operating conditions?

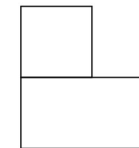
Paper roll stacking



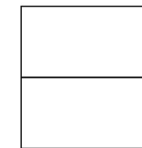
☐
 Double roll,
 top to bottom,
 Use a single film
 for packaging



☐
 Single paper
 roll Single pack
 aging film pack
 aging



☐
 Two different
 diameters of
 paper rolls
 superimposed



☐
 Multiple rolls
 of the same
 diameter
 superimposed

☐
 Other stacking
 methods, please
 specify

Type of paper roll

- | | | |
|--|--|---|
| ☐ Press paper | ☐ Paper / pictorial paper | ☐ Advanced Calendar Paper |
| ☐ Stone paper | ☐ Kraft/corrugated | ☐ Tough Case Paper / Ash Case Paperboard |
| ☐ Milk cartons on paper/waxed paper | ☐ | ☐ Coated carton board paper |
| ☐ Low density soft paper | ☐ Medium density soft paper | ☐ High density soft paper |
| ☐ Dry pulp board/roll paper | ☐ Plastic /Overmolded paper | ☐ Carbon free carbon paper |
| ☐ Gypsum board | ☐ Translucent paper/greaseproof paper | ☐ Other |

Identify the appropriate appliance application

- ☐ Freight cars ☐ Trailer ☐ Warehousing ☐ Cooperate with feeding machine
☐ Eriminal handling ☐ Barges transport ☐ Other

Main parameters of forklift

Forklift model	Nominal carrying capacity(kg)	Forklift installation class	Forklift voltage(v)	Additional oil		Lift the door frame(mm)	Back height of door frame (mm)
				pressure(bar)	traffic(LPM)		
Door frame Free lift height(mm)		Door frame Before the Angle		Horizontal distance from the center of the front wheel to the front of the cargo fork (mm)		Horizontal distance from front end of fork to center of rated load(mm)	

If large forklift is used, please specify the type of forklift

The selection

Plate type

- ☐ Standard plywood ☐ Bolted - tight rubber pad splint ☐ Soft paper splint
- ☐ Other

Instructions

Have you ever used a LDSJ reel?

- ☐ Yes. If yes, the current model of the paper coil is. Fittings number S/N
- ☐ No.

Are there any special instructions on the use of fixtures? If yes, please describe: _____

[illegible]