

# L14-S14

## BP - PVC

Load capacity up to 125kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**BP WHEEL - Thermoplastic PVC Compound. Hardness: 85 Shore A. (-10°C to +50°C).** Manufactured with a Thermoplastic PVC Compound on a polypropylene copolymer core. This wheel offers soft and quiet rolling, great floor protection, and excellent chemical, wear and impact resistance, resulting in an excellent cost-benefit ratio. The recommended traveling speed is up to 4km/h.

Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	F (mm)	Ø (pol)	Bushing	KG	Ø (mm)		w/o brake (mm)	w/ brake G (mm)	
Reference										GL/FL	GS/FS			
GL 414 BPN	FL 414 BPN	GS 414 BPN	FS 414 BPN	R 414 BPN	100	38	7/16"	Nylon Bushing w/o Thread Guards	85	135	140	88	120	
GL 414 BPE	FL 414 BPE	GS 414 BPE	FS 414 BPE	R 414 BPE				32						Ball Bearing w/ Thread Guards
GL 514 BPN	FL 514 BPN	GS 514 BPN	FS 514 BPN	R 514 BPN	125	38		Nylon Bushing w/o Thread Guards	115	156	161	103		
GL 514 BPE	FL 514 BPE	GS 514 BPE	FS 514 BPE	R 514 BPE		32		Ball Bearing w/ Thread Guards						115
GL 614 BPN	FL 614 BPN	GS 614 BPN	FS 614 BPN	R 614 BPN	150	38		Nylon Bushing w/o Thread Guards	125	178	183	118		130
GL 614 BPE	FL 614 BPE	GS 614 BPE	FS 614 BPE	R 614 BPE		32		Ball Bearing w/ Thread Guards						

### Fittings/Accessories

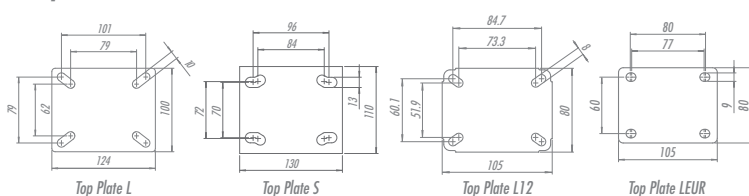
Hole Center	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below
LES	LE	LEX	EX	EA	LEL	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



G  
Total Lock  
Brake

RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30	T3	1" BSP
EX3	25-28	EA4	27-33	S3	Ø25		
EX4	27-30			S4	40 x 40		
EX5	37-40						



# L14 - S14

## SP - EXTRASOFT RUBBER

**Load capacity up to 125kg**

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**SP WHEEL - ExtrasoftThermoplastic Rubber. Hardness: 65 Shore A. (-10°C to +50°C).** Injected wheel manufactured with extrasoft thermoplastic rubber on a polypropylene copolymer core. It features an extremely low operating noise level and excellent vibration reduction. Indicated for light load handling, this non-marking wheel offers excellent floor protection and good resistance to impact and chemicals. The recommended traveling speed is up to 4km/h.

Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	F (mm)	Ø (pol)	Bushing	KG	(mm)		w/o brake (mm)	w/ brake G (mm)	
Reference										GL/FL	GS/FS			
GL 414 SPN	FL 414 SPN	GS 414 SPN	FS 414 SPN	R 414 SPN	100	38	7/16"	Nylon Bushing w/o Thread Guards	85	135	140	88	120	
GL 414 SPE	FL 414 SPE	GS 414 SPE	FS 414 SPE	R 414 SPE				32						Ball Bearing w/ Thread Guards
GL 514 SPN	FL 514 SPN	GS 514 SPN	FS 514 SPN	R 514 SPN	125	38		Nylon Bushing w/o Thread Guards	115	156	161	103		
GL 514 SPE	FL 514 SPE	GS 514 SPE	FS 514 SPE	R 514 SPE		32		Ball Bearing w/ Thread Guards						115
GL 614 SPN	FL 614 SPN	GS 614 SPN	FS 614 SPN	R 614 SPN	150	38		Nylon Bushing w/o Thread Guards	125	178	183	118		130
GL 614 SPE	FL 614 SPE	GS 614 SPE	FS 614 SPE	R 614 SPE		32		Ball Bearing w/ Thread Guards						

### Fittings/Accessories

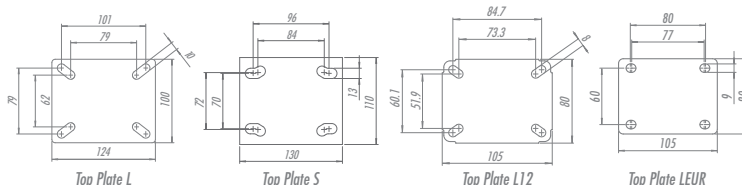
Hole Center	Threaded Stem	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below	See table below
LES	LE	LEX	EX	EA	LEL	S	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (MM)	REFERENCE	SIZE (MM)	REFERENCE	SIZE (MM)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30	T3	1" BSP
EX3	25-28			S3	Ø25		
EX4	27-30	EA4	27-33	S4	∅ 40 x 40		
EX5	37-40						

# L14-S14

## TB - THERMOPLASTIC RUBBER

Load capacity up to 150kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**TB WHEEL - Thermoplastic Rubber. Hardness: 80 Shore A. (-20°C to +70°C).** Manufactured with thermoplastic rubber on a polypropylene copolymer core. This non-marking wheel offers excellent floor protection, soft and quiet rolling, smooth handling and maneuverability, impact resistance, a low deformation index under load, and excellent abrasion resistance. It also has great resistance to inclement weather and compounds such as salt, and grease. The recommended traveling speed is up to 4km/h.

Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	W (mm)	W (pol)	Icon	KG	Ø (mm)		W/o brake (mm)	W/ brake G (mm)	
Reference										GL/FL	GS/FS			
GL 414 TBN	FL 414 TBN	GS 414 TBN	FS 414 TBN	R 414 TBN	100	38	7/16"	Nylon Bushing w/o Thread Guards	100	135	140	88	120	
GL 414 TBE	FL 414 TBE	GS 414 TBE	FS 414 TBE	R 414 TBE										32
GL 514 TBN	FL 514 TBN	GS 514 TBN	FS 514 TBN	R 514 TBN	125	38		Nylon Bushing w/o Thread Guards	125	156	161	103		
GL 514 TBE	FL 514 TBE	GS 514 TBE	FS 514 TBE	R 514 TBE		32		Ball Bearing w/ Thread Guards						
GL 614 TBN	FL 614 TBN	GS 614 TBN	FS 614 TBN	R 614 TBN	150	38		Nylon Bushing w/o Thread Guards	150	178	183	118		130
GL 614 TBE	FL 614 TBE	GS 614 TBE	FS 614 TBE	R 614 TBE		32		Ball Bearing w/ Thread Guards						

### Fittings/Accessories

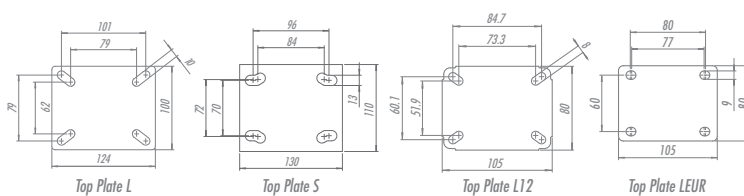
Hole Center	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below
LES	LE	LEX	EX	EA	LEL	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section

### Top Plates

### Brake



G Total Lock Brake

RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28	EA4	27-33	S3	Ø25	T3	1" BSP
EX4	27-30			S4	40 x 40		
EX5	37-40						



# L14 - S14

## TP - THERMOPLASTIC COMPOUND

Load capacity up to 150kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**TP WHEEL - Thermoplastic Compound.** Hardness: 85 Shore A. (-10°C to +50°C). Manufactured with a recyclable thermoplastic compound on a polypropylene copolymer core. It offers soft and quiet rolling, great floor protection, excellent chemical, wear, and impact resistance resulting in an excellent cost-benefit ratio. The recommended traveling speed is up to 4km/h.

Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	H (mm)	Ø (pol)	Fitting	KG	(mm)		w/o brake (mm)	w/ brake G (mm)	
										GL/FL	GS/FS			
GL 414 TPN	FL 414 TPN	GS 414 TPN	FS 414 TPN	R 414 TPN	100	38	7/16"	Nylon Bushing w/o Thread Guards	100	135	140	88	120	
GL 414 TPE	FL 414 TPE	GS 414 TPE	FS 414 TPE	R 414 TPE				32						Ball Bearing w/ Thread Guards
GL 514 TPN	FL 514 TPN	GS 514 TPN	FS 514 TPN	R 514 TPN	125	38		Nylon Bushing w/o Thread Guards	125	156	161	103		
GL 514 TPE	FL 514 TPE	GS 514 TPE	FS 514 TPE	R 514 TPE		32		Ball Bearing w/ Thread Guards						
GL 614 TPN	FL 614 TPN	GS 614 TPN	FS 614 TPN	R 614 TPN	150	38		Nylon Bushing w/o Thread Guards	150	178	183	118		130
GL 614 TPE	FL 614 TPE	GS 614 TPE	FS 614 TPE	R 614 TPE		32		Ball Bearing w/ Thread Guards						

### Fittings/Accessories

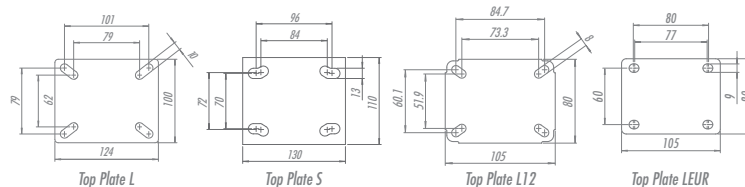
Hole Center	Threaded Stem		Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below	See table below
LES	LE	LEX	EX	EA	LEL	S	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28			S3	Ø25		
EX4	27-30	EA4	27-33	S4	∅ 40 x 40	T3	1" BSP
EX5	37-40						



# L14 - S14

## UP - POLYURETHANE THERMOPLASTIC

Load capacity up to 165kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**UP WHEEL - Thermoplastic Polyurethane. Hardness: 90 Shore A. (-20°C to +70°C).** Manufactured with recyclable thermoplastic elastollan polyurethane on a polypropylene copolymer core. Ideal for those who seek a greater load capacity and excellent floor protection, low noise, easy rolling, plus excellent resistance to abrasion and impact. Resistant to grease, mineral oil, and some acids. The recommended traveling speed is up to 4km/h.



Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	f (mm)	Ø (pol)		KG	(mm)		w/o brake (mm)	w/ brake G (mm)	
Reference										GL/FL	GS/FS			
GL 414 UPN	FL 414 UPN	GS 414 UPN	FS 414 UPN	R 414 UPN	100	38	7/16"	Nylon Bushing w/o Thread Guards	125	135	140	88	120	
GL 414 UPE	FL 414 UPE	GS 414 UPE	FS 414 UPE	R 414 UPE		32		Ball Bearing w/ Thread Guards						
GL 514 UPN	FL 514 UPN	GS 514 UPN	FS 514 UPN	R 514 UPN	125	38		Nylon Bushing w/o Thread Guards	150	156	161	103		
GL 514 UPE	FL 514 UPE	GS 514 UPE	FS 514 UPE	R 514 UPE		32		Ball Bearing w/ Thread Guards						
GL 614 UPN	FL 614 UPN	GS 614 UPN	FS 614 UPN	R 614 UPN	150	38		Nylon Bushing w/o Thread Guards	165	178	183	118		130
GL 614 UPE	FL 614 UPE	GS 614 UPE	FS 614 UPE	R 614 UPE		32		Ball Bearing w/ Thread Guards						

### Fittings/Accessories

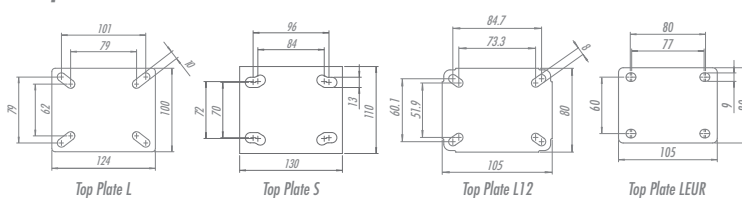
Hole Center	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below
LES	LE	LEX	EX	EA	LEL	S
						T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28	EA4	27-33	S3	Ø25	T3	1" BSP
EX4	27-30			S4	40 x 40		
EX5	37-40						



# L14 - S14

## NP - POLYPROPYLENE

Load capacity up to 165kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**NP WHEEL - Polypropylene. Hardness: 65 Shore D. (-20°C to +70°C).** Injected wheel manufactured with a recyclable polypropylene copolymer tread and core. Indicated for light and medium loads, it rolls very easily and requires low handling effort. Its has good resistance to chemicals, moderate impact, and deformation under static loads, which demonstrate an excellent cost-benefit ratio. The recommended traveling speed is up to 4km/h.

Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	H (mm)	Ø (pol)	Nylon Bushing w/o Thread Guards	KG	(mm)		w/o brake (mm)	w/ brake G (mm)	
										GL/FL	GS/FS			
GL 414 NPN	FL 414 NPN	GS 414 NPN	FS 414 NPN	R 414 NPN	100	38	7/16"	Nylon Bushing w/o Thread Guards	125	135	140	88	120	
GL 414 NPE	FL 414 NPE	GS 414 NPE	FS 414 NPE	R 414 NPE				32						Ball Bearing w/ Thread Guards
GL 514 NPN	FL 514 NPN	GS 514 NPN	FS 514 NPN	R 514 NPN	125	38		Nylon Bushing w/o Thread Guards	150	156	161	103		
GL 514 NPE	FL 514 NPE	GS 514 NPE	FS 514 NPE	R 514 NPE		32		Ball Bearing w/ Thread Guards						
GL 614 NPN	FL 614 NPN	GS 614 NPN	FS 614 NPN	R 614 NPN	150	38		Nylon Bushing w/o Thread Guards	165	178	183	118		130
GL 614 NPE	FL 614 NPE	GS 614 NPE	FS 614 NPE	R 614 NPE		32		Ball Bearing w/ Thread Guards						

### Fittings/Accessories

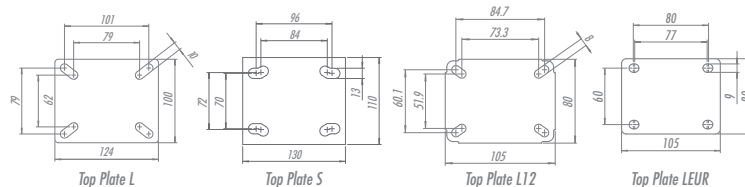
Hole Center	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below
LES	LE	LEX	EX	EA	LEL	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28			S3	Ø25		
EX4	27-30	EA4	27-33	S4	∅ 40 x 40	T3	1" BSP
EX5	37-40						

# L14 - S14

## NPP - POLYPROPYLENE

Load capacity up to 165kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**NPP WHEEL - Polypropylene. Hardness: 65 Shore D. (-20°C to +70°C).** Manufactured with a single-injection recyclable polypropylene copolymer. Indicated for light loads, it rolls very easily, requires low handling effort, resists deformation under static loads, and offers an excellent cost-benefit ratio. It presents good resistance to chemicals and moderate impact. The recommended traveling speed is up to 4km/h.



Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	F (mm)	Ø (pol)	Bearing	KG	Ø (mm)		w/o brake (mm)	w/ brake G (mm)
Reference										GL/FL	GS/FS		
GL 414 NPP	FL 414 NPP	GS 414 NPP	FS 414 NPP	R 414 NPP	100	38	7/16"	Plain Bearing w/o Thread Guards	125	135	140	88	120
GL 414 NPPE	FL 414 NPPE	GS 414 NPPE	FS 414 NPPE	R 414 NPPE				Ball Bearing w/o Thread Guards					
GL 514 NPP	FL 514 NPP	GS 514 NPP	FS 514 NPP	R 514 NPP	125	38	7/16"	Plain Bearing w/o Thread Guards	150	156	161	103	
GL 514 NPPE	FL 514 NPPE	GS 514 NPPE	FS 514 NPPE	R 514 NPPE				Ball Bearing w/o Thread Guards					
GL 614 NPP	FL 614 NPP	GS 614 NPP	FS 614 NPP	R 614 NPP	150	38	7/16"	Plain Bearing w/o Thread Guards	165	178	183	118	130
GL 614 NPPE	FL 614 NPPE	GS 614 NPPE	FS 614 NPPE	R 614 NPPE				Ball Bearing w/o Thread Guards					

### Fittings/Accessories

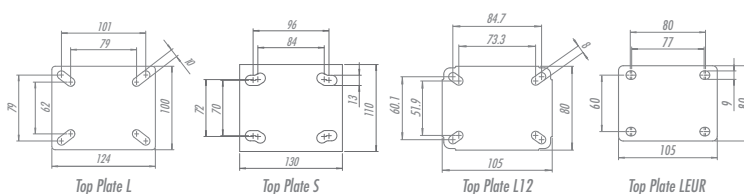
Hole Center	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below
LES	LE	LEX	EX	EA	LEL	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28	EA4	27-33	S3	Ø25	T3	1" BSP
EX4	27-30			S4	40 x 40		
EX5	37-40						

# L14-S14

## NT - TECHNICAL NYLON

Load capacity up to 300kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**NT WHEEL - Technical Nylon.** Hardness: 75 Shore D. (-40°C to +110°C). Manufactured with high quality Nylon 6, both tread and core. It is light, has excellent mechanical resistance, and rolls very easily requiring less effort in maneuvering. Ideal for applications in wet environments, it is resistant to grease, oil, salt, and some acids. The recommended traveling speed is up to 4km/h.



Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	⌀ (mm)	⊥ (mm)	⊙ (pol)	⊞	KG	(mm)		⊞	⊞	
Reference										GL/FL	GS/FS	w/o brake (mm)	w/ brake G (mm)	
GL 414 NTN	FL 414 NTN	GS 414 NTN	FS 414 NTN	R 414 NTN	100	38	7/16"	Nylon Bushing w/o Thread Guards	200	135	140	88	120	
GL 414 NTE	FL 414 NTE	GS 414 NTE	FS 414 NTE	R 414 NTE		32		Ball Bearing w/ Thread Guards						
GL 514 NTN	FL 514 NTN	GS 514 NTN	FS 514 NTN	R 514 NTN	125	38		Nylon Bushing w/o Thread Guards	250	156	161	103		
GL 514 NTE	FL 514 NTE	GS 514 NTE	FS 514 NTE	R 514 NTE		32		Ball Bearing w/ Thread Guards						
GL 614 NTN	FL 614 NTN	GS 614 NTN	FS 614 NTN	R 614 NTN	150	38		Nylon Bushing w/o Thread Guards	300	178	183	118		130
GL 614 NTE	FL 614 NTE	GS 614 NTE	FS 614 NTE	R 614 NTE		32		Ball Bearing w/ Thread Guards						

### Fittings/Accessories

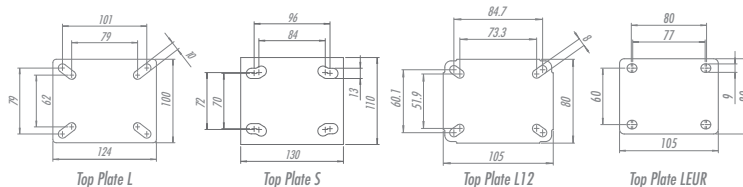
Hole Center	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below
LES	LE	LEX	EX	EA	LEL	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28	EA4	27-33	S3	Ø25	T3	1" BSP
EX4	27-30			S4	40 x 40		
EX5	37-40						



# L14-S14

## NTT - TECHNICAL NYLON

Load capacity up to 300kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**NTT WHEEL - Technical Nylon.** Hardness: 75 Shore D. (-40°C to +110°C). Manufactured with single injection high quality Nylon 6. It is lightweight, provides good mechanical resistance, and rolls very easily requiring less effort in maneuvering. Under static loads, it is resistant to deformation. Ideal for applications in wet environments, it is also resistant to grease, oil, salt, and some acids. The recommended traveling speed is up to 4km/h.



Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	F (mm)	Ø (pol)	Bearing	KG	Ø (mm)		w/o brake (mm)	w/ brake G (mm)
Reference										GL/FL	GS/FS		
GL 414 NTT	FL 414 NTT	GS 414 NTT	FS 414 NTT	R 414 NTT	100	38	7/16"	Plain Bearing w/o Thread Guards	200	135	140	88	120
GL 414 NTTE	FL 414 NTTE	GS 414 NTTE	FS 414 NTTE	R 414 NTTE				Ball Bearing w/o Thread Guards					
GL 514 NTT	FL 514 NTT	GS 514 NTT	FS 514 NTT	R 514 NTT	125	38	7/16"	Plain Bearing w/o Thread Guards	250	156	161	103	130
GL 514 NTTE	FL 514 NTTE	GS 514 NTTE	FS 514 NTTE	R 514 NTTE				Ball Bearing w/o Thread Guards					
GL 614 NTT	FL 614 NTT	GS 614 NTT	FS 614 NTT	R 614 NTT	150	38	7/16"	Plain Bearing w/o Thread Guards	300	178	183	118	130
GL 614 NTTE	FL 614 NTTE	GS 614 NTTE	FS 614 NTTE	R 614 NTTE				Ball Bearing w/o Thread Guards					

### Fittings/Accessories

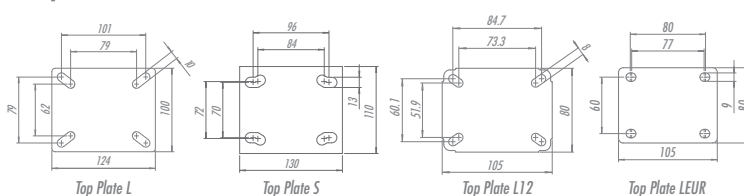
Hole Center	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below
LES	LE	LEX	EX	EA	LEL	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28	EA4	27-33	S3	Ø25	T3	1" BSP
EX4	27-30			S4	40 x 40		
EX5	37-40						



# L14-S14

## BMN - SOLID TIRE

Load capacity up to 120kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**BMN WHEEL - Solid Tire - Polypropylene Core. Hardness: 80 Shore A. (-20°C to +70°C).** Manufactured with a solid rubber tread on an injected polypropylene core. This wheel is lightweight and strong, withstands moisture, and is quiet and smooth rolling. Designed for light duty use on floors in good condition. The recommended traveling speed is up to 4km/h.

Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	H (mm)	Pol	Bearing	KG	Ø (mm)		w/o brake (mm)	w/ brake G (mm)
										GL/FL	GS/FS		
GL 414 BMN	FL 414 BMN	GS 414 BMN	FS 414 BMN	R 414 BMN	100				75	135	140	88	120
GL 514 BMN	FL 514 BMN	GS 514 BMN	FS 514 BMN	R 514 BMN	125	42	7/16"	Plain Bearing	100	156	161	103	
GL 614 BMN	FL 614 BMN	GS 614 BMN	FS 614 BMN	R 614 BMN	150				120	178	183	118	

### Fittings/Accessories

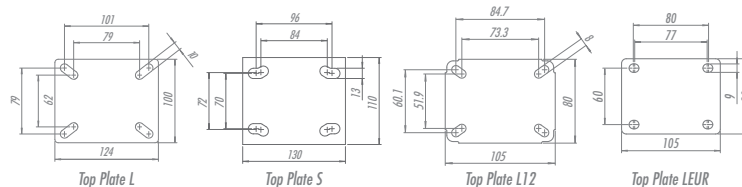
Hole Center	Threaded Stem		Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below	See table below
LES	LE	LEX	EX	EA	LEL	S	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28			S3	Ø25		
EX4	27-30	EA4	27-33	S4	40 x 40	T3	1" BSP
EX5	37-40						

# L14-S14

## BD - SOLID TIRE

Load capacity up to 120kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**BD WHEEL - Solid Tire - Stamped Steel Plate Core. Hardness: 80 Shore A. (-20°C to +70°C).** Manufactured with a solid rubber tread on a stamped zinc-plated carbon steel core. This wheel is lightweight, durable, and provides soft and quiet rolling. Indicated for light duty on floors in good condition. The recommended traveling speed is up to 4km/h.

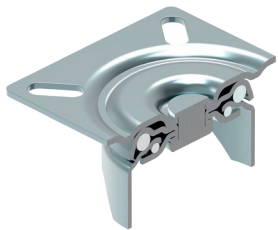
Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	Stem (mm)	Pol	Adapter	KG	Ø (mm)		w/o brake (mm)	w/ brake G (mm)
Reference										GL/FL	GS/FS		
GL 414 BDN	FL 414 BDN	GS 414 BDN	FS 414 BDN	R 414 BDN	100	38	7/16"	Nylon Bushing w/ Thread Guards	75	135	140	88	120
GL 414 BDE	FL 414 BDE	GS 414 BDE	FS 414 BDE	R 414 BDE				Ball Bearing w/ Thread Guards					
GL 514 BDN	FL 514 BDN	GS 514 BDN	FS 514 BDN	R 514 BDN	125	38	7/16"	100	156	161	103		
GL 514 BDE	FL 514 BDE	GS 514 BDE	FS 514 BDE	R 514 BDE								Ball Bearing w/ Thread Guards	
GL 614 BDN	FL 614 BDN	GS 614 BDN	FS 614 BDN	R 614 BDN	150	38	7/16"	120	178	183	118	130	
GL 614 BDE	FL 614 BDE	GS 614 BDE	FS 614 BDE	R 614 BDE									Ball Bearing w/ Thread Guards

### Fittings/Accessories

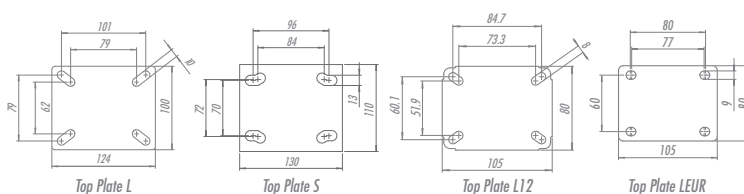
Hole Center	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	See table below	See table below	Ø7/16" X 50mm	See table below	See table below
LES	LE	EX	EA	LEL	S	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28	EA4	27-33	S3	Ø25	T3	1" BSP
EX4	27-30			S4	40 x 40		
EX5	37-40						



# L14-S14

## BIN - MOLDED RUBBER

Load capacity up to 200kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**BIN WHEEL - Molded Rubber - Hard Rubber. Hardness: 80 Shore A. (-20°C to +70°C).** Manufactured with molded rubber on a hard rubber core. This wheel is a lightweight, quiet and smooth rolling. It absorbs shock and vibration and is abrasion, corrosion, and chemical resistant. The recommended traveling speed is up to 4km/h.

Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	⌀ (mm)	⌀ (mm)	⌀ (pol)		KG	(mm)		⌀ (mm)	⌀ (mm)
Reference										GL/FL	GS/FS	w/o brake	w/ brake G
GL 414 BIN	FL 414 BIN	GS 414 BIN	FS 414 BIN	R 414 BIN	100				150	135	140	88	
GL 514 BIN	FL 514 BIN	GS 514 BIN	FS 514 BIN	R 514 BIN	125	38	7/16"	Nylon Bushing	175	156	161	103	120
GL 614 BIN	FL 614 BIN	GS 614 BIN	FS 614 BIN	R 614 BIN	150				200	178	183	118	130

### Fittings/Accessories

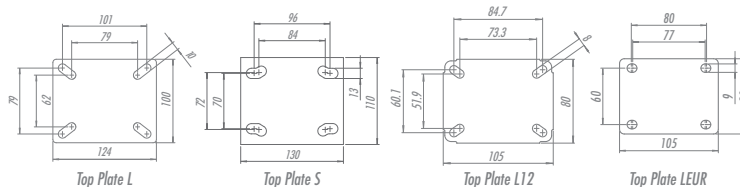
Hole Center	Threaded Stem		Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below	See table below
LES	LE	LEX	EX	EA	LEL	S	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28			S3	Ø25		
EX4	27-30	EA4	27-33	S4	∅ 40 x 40	T3	1" BSP
EX5	37-40						



# L14-S14

## B - MOLDED RUBBER

Load capacity up to 200kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**B WHEEL - Molded Rubber. Hardness: 80 Shore A. (-20°C to +70°C).** Manufactured with molded rubber tread on a cast iron core. This wheel mitigates noise pollution and provides smooth rolling. Absorbs shocks and vibrations. Resistant to abrasion and chemicals. The recommended traveling speed is up to 4km/h when mounted with selected ball bearings and appropriate rig.



Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	F (mm)	Ø (pol)	Bushing	KG	Ø (mm)		w/o brake (mm)	w/ brake G (mm)
Reference										GL/FL	GS/FS		
GL 414 BN	FL 414 BN	GS 414 BN	FS 414 BN	R 414 BN	100	38	7/16"	Nylon Bushing	150	135	140	88	120
GL 414 BR	FL 414 BR	GS 414 BR	FS 414 BR	R 414 BR				Roller Bearing					
GL 414 BE	FL 414 BE	GS 414 BE	FS 414 BE	R 414 BE				Ball Bearing					
GL 514 BN	FL 514 BN	GS 514 BN	FS 514 BN	R 514 BN	125	38	7/16"	Nylon Bushing	175	156	161	103	120
GL 514 BR	FL 514 BR	GS 514 BR	FS 514 BR	R 514 BR				Roller Bearing					
GL 514 BE	FL 514 BE	GS 514 BE	FS 514 BE	R 514 BE				Ball Bearing					
GL 614 BN	FL 614 BN	GS 614 BN	FS 614 BN	R 614 BN	150	38	7/16"	Nylon Bushing	200	178	183	118	130
GL 614 BR	FL 614 BR	GS 614 BR	FS 614 BR	R 614 BR				Roller Bearing					
GL 614 BE	FL 614 BE	GS 614 BE	FS 614 BE	R 614 BE				Ball Bearing					

### Fittings/Accessories

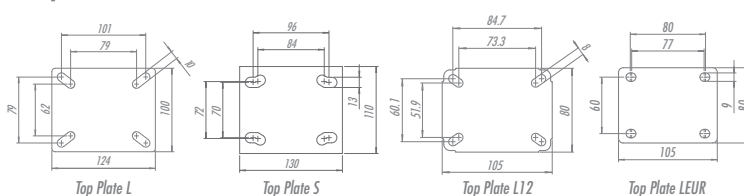
Hole Center	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below
LES	LE	LEX	EX	EA	LEL	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28	EA4	27-33	S3	Ø25	T3	1" BSP
EX4	27-30			S4	40 x 40		
EX5	37-40						

# L14-S14

## NU - MOLDED POLYURETHANE

Load capacity up to 300kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**NU WHEEL - Molded Polyurethane on a Nylon Core. Hardness: 90 Shore A. (-40°C to +80°C).** Manufactured with molded polyurethane on an injected nylon core. The mechanical bond system ensures excellent resistance and service life. Ideal for applications on various surface and environment types. This wheel is lightweight, withstands high loads, protects the floor, requires low effort to handle, and produces a low operating noise level. Excellent resistance to abrasion, impact, inclement weather, and compounds such as grease, oil, salt, and solvents. The recommended traveling speed is up to 4km/h.

Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	H (mm)	Bore (pol)	Accessories	KG	(mm)		w/o brake (mm)	w/ brake G (mm)	
Reference										GL/FL	GS/FS			
GL 414 NUN	FL 414 NUN	GS 414 NUN	FS 414 NUN	R 414 NUN	100	38	7/16"	Nylon Bushing w/o Thread Guards	200	135	140	88	120	
GL 414 NUE	FL 414 NUE	GS 414 NUE	FS 414 NUE	R 414 NUE				32						Ball Bearing w/ Thread Guards
GL 514 NUN	FL 514 NUN	GS 514 NUN	FS 514 NUN	R 514 NUN	125	38		Nylon Bushing w/o Thread Guards	250	156	161	103		
GL 514 NUE	FL 514 NUE	GS 514 NUE	FS 514 NUE	R 514 NUE		32		Ball Bearing w/ Thread Guards						
GL 614 NUN	FL 614 NUN	GS 614 NUN	FS 614 NUN	R 614 NUN	150	38		Nylon Bushing w/o Thread Guards	300	178	183	118		130
GL 614 NUE	FL 614 NUE	GS 614 NUE	FS 614 NUE	R 614 NUE		32		Ball Bearing w/ Thread Guards						

### Fittings/Accessories

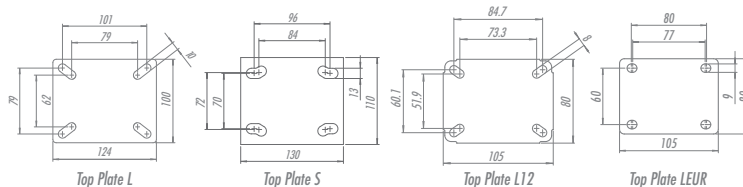
Hole Center	Threaded Stem	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below	See table below
LES	LE	LEX	EX	EA	LEL	S	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28	EA4	27-33	S3	Ø25	T3	1" BSP
EX4	27-30			S4	40 x 40		
EX5	37-40						

# L14-S14 ALUMINIUM ALP

Load capacity up to 300kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**ALP WHEEL - Molded Polyurethane on an Aluminum Core. Hardness: 90 Shore A. (-40°C to +80°C).** Manufactured with molded polyurethane on an Aluminum core. This wheel is lightweight and corrosion resistant and is ideal for applications involving diverse floor types and environments. Capable for high loads, is very durable, protects the floor, requires low push-pull force, and provides a quiet roll. Excellent resistance to abrasion, impact, inclement weather, and chemicals such as grease, oil, salt, and solvents. It can be towed at speeds up to 4 km/h when mounted with selected ball bearings and appropriate rig.

Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	f (mm)	Ø (pol)	Bushing	KG	Swivel (mm)		w/o brake (mm)	w/ brake G (mm)
										GL/FL	GS/FS		
Reference													
GL 414 ALPN	FL 414 ALPN	GS 414 ALPN	FS 414 ALPN	R 414 ALPN	100	38	7/16"	Nylon Bushing	300	135	140	88	120
GL 414 ALPE	FL 414 ALPE	GS 414 ALPE	FS 414 ALPE	R 414 ALPE				Ball Bearing					
GL 514 ALPN	FL 514 ALPN	GS 514 ALPN	FS 514 ALPN	R 514 ALPN	125	38	7/16"	Nylon Bushing	300	156	161	103	120
GL 514 ALPE	FL 514 ALPE	GS 514 ALPE	FS 514 ALPE	R 514 ALPE				Ball Bearing					
GL 614 ALPN	FL 614 ALPN	GS 614 ALPN	FS 614 ALPN	R 614 ALPN	150	38	7/16"	Nylon Bushing	300	178	183	118	130
GL 614 ALPE	FL 614 ALPE	GS 614 ALPE	FS 614 ALPE	R 614 ALPE				Ball Bearing					

## Fittings/Accessories

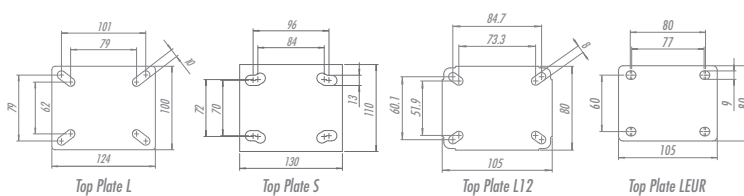
Hole Center	Threaded Stem	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below	See table below
LES	LE	LEX	EX	EA	LEL	S	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

## Swivel Section



## Top Plates



## Brake



G  
Total Lock  
Brake

RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28	EA4	27-33	S3	Ø25	T3	1" BSP
EX4	27-30			S4	40 x 40		
EX5	37-40						

# L14 - S14

## ALUMINIUM ALP SOFT

Load capacity up to 250kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**ALP SOFT WHEEL - Molded Soft Polyurethane on an Aluminum Core. Hardness: 75 Shore A. (-40°C to +80°C).** Manufactured with premium molded soft polyurethane on an Aluminum core. This wheel is lightweight and corrosion resistant. Ideal for applications in the most diverse floor types and environments. It can handle high loads and protects the floor. It offers a low push-pull force, quiet operation, and provides great durability and high vibration absorption. Excellent resistance to abrasion, impact, inclement weather, and compounds such as grease, oil, salt, and solvents. It can be towed at speeds up to 4 km/h when mounted with selected ball bearings and appropriate rig.

Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	f (mm)	Ø (pol)	Icon	KG	W (mm)		W/o brake (mm)	W/ brake G (mm)
Reference										GL/FL	GS/FS		
GL 414 ALPN SOFT	FL 414 ALPN SOFT	GS 414 ALPN SOFT	FS 414 ALPN SOFT	R 414 ALPN SOFT	100	38	7/16"	Nylon Bushing	200	135	140	88	120
GL 414 ALPE SOFT	FL 414 ALPE SOFT	GS 414 ALPE SOFT	FS 414 ALPE SOFT	R 414 ALPE SOFT				Ball Bearing					
GL 514 ALPN SOFT	FL 514 ALPN SOFT	GS 514 ALPN SOFT	FS 514 ALPN SOFT	R 514 ALPN SOFT	125	Nylon Bushing		225	156	161	103		
GL 514 ALPE SOFT	FL 514 ALPE SOFT	GS 514 ALPE SOFT	FS 514 ALPE SOFT	R 514 ALPE SOFT		Ball Bearing							
GL 614 ALPN SOFT	FL 614 ALPN SOFT	GS 614 ALPN SOFT	FS 614 ALPN SOFT	R 614 ALPN SOFT	150	Nylon Bushing		250	178	183	118	130	
GL 614 ALPE SOFT	FL 614 ALPE SOFT	GS 614 ALPE SOFT	FS 614 ALPE SOFT	R 614 ALPE SOFT		Ball Bearing							

### Fittings/Accessories

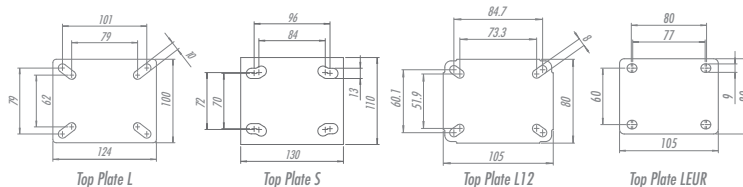
Image	Hole Center	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
	16mm	1/2"NC X 25mm					
	LES	LE	LEX	EX	EA	LEL	S
			See table below	See table below	Ø7/16" X 50mm	See table below	See table below

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°		THREAD	
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP		
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP		
EX2	21-24			S2	Ø30	T3	1" BSP		
EX3	25-28			S3	Ø25				
EX4	27-30	EA4	27-33	S4	∅ 40 x 40				
EX5	37-40								



# L14-S14

## ALUMINIUM ALPSS SOFT

Load capacity up to 300kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**ALPSS SOFT WHEEL - Extra Thick Molded Soft Polyurethane on an Aluminum Core. Hardness: 75 Shore A. (-40°C to +80°C).** Manufactured with premium, extra thick, molded soft polyurethane on an Aluminum core. This wheel is lightweight and corrosion resistant. Ideal for applications in the most diverse floor types and environments. It withstands high loads, protects the floor, has a low push-pull force, low noise level and provides great durability and high vibration absorption. Excellent resistance to abrasion, impact, inclement weather, and compounds such as grease, oil, salt, and solvents. It can be towed at speeds up to 16 km/h when mounted with selected ball bearings and appropriate rig.



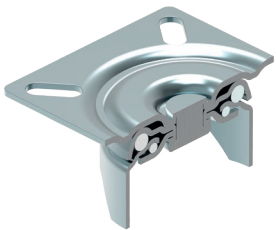
Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	F (mm)	Ø (pol)	Ball Bearing	KG	(mm)		w/o brake (mm)	w/ brake G (mm)
Reference										GL/FL	GS/FS		
GL 514 ALPSS SOFT	FL 514 ALPSS SOFT	GS 514 ALPSS SOFT	FS 514 ALPSS SOFT	R 514 ALPSS SOFT	125	38	7/16"	Ball Bearing	300	156	161	103	120
GL 614 ALPSS SOFT	FL 614 ALPSS SOFT	GS 614 ALPSS SOFT	FS 614 ALPSS SOFT	R 614 ALPSS SOFT	150					178	183		

### Fittings/Accessories

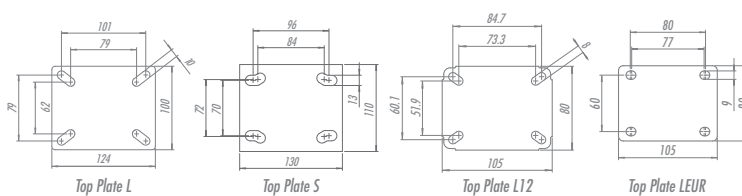
Hole Center	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	See table below	See table below	Ø7/16" X 50mm	See table below	See table below
LES	LE	EX	EA	LEL	S	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28	EA4	27-33	S3	Ø25	T3	1" BSP
EX4	27-30			S4	40 x 40		
EX5	37-40						

# L14-S14

## P - MOLDED POLYURETHANE

Load capacity up to 300kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**P WHEEL - Molded Polyurethane. Hardness: 90 Shore A. (-40°C to +80°C).** Manufactured with molded polyurethane on a cast iron core. Ideal for applications on various surface and environment types. This wheel handles high loads, protects the floor, provides excellent ergonomics, produces low noise pollution during operation and has an excellent service life. It has great resistance to abrasion, impact, inclement weather, and chemicals such as grease, oil, salt, and solvents. It can be used at speeds up to 4km/h when mounted with selected ball bearings and appropriate rig.

Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	H (mm)	Bore (pol)	Bushing	KG	Ø (mm)		w/o brake (mm)	w/ brake G (mm)
										GL/FL	GS/FS		
GL 414 PN	FL 414 PN	GS 414 PN	FS 414 PN	R 414 PN	100	38	7/16"	Nylon Bushing	300	135	140	88	120
GL 414 PR	FL 414 PR	GS 414 PR	FS 414 PR	R 414 PR				Roller Bearing					
GL 414 PE	FL 414 PE	GS 414 PE	FS 414 PE	R 414 PE				Ball Bearing					
GL 514 PN	FL 514 PN	GS 514 PN	FS 514 PN	R 514 PN	125	38	7/16"	Nylon Bushing	300	156	161	103	130
GL 514 PR	FL 514 PR	GS 514 PR	FS 514 PR	R 514 PR				Roller Bearing					
GL 514 PE	FL 514 PE	GS 514 PE	FS 514 PE	R 514 PE				Ball Bearing					
GL 614 PN	FL 614 PN	GS 614 PN	FS 614 PN	R 614 PN	150	38	7/16"	Nylon Bushing	300	178	183	118	130
GL 614 PR	FL 614 PR	GS 614 PR	FS 614 PR	R 614 PR				Roller Bearing					
GL 614 PE	FL 614 PE	GS 614 PE	FS 614 PE	R 614 PE				Ball Bearing					

### Fittings/Accessories

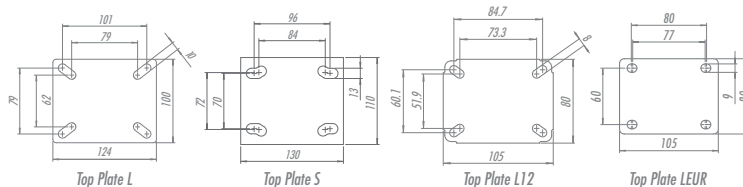
Hole Center	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below
LES	LE	LEX	EX	EA	LEL	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28	EA4	27-33	S3	Ø25	T3	1" BSP
EX4	27-30			S4	40 x 40		
EX5	37-40						

# L14-S14

## C - PHENOLIC RESIN

Load capacity up to 300kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**C WHEEL - Phenolic Resin. Hardness: 103 Rockwell M. (-30°C to +120°C).** Manufactured with a compound obtained from macerated cotton fibers drenched with phenolic resin, molded by heat and pressure. This wheel has excellent mechanical properties, is lightweight and rugged, resistant to deformation under static loads, and rolls easily. It can be used over a wide temperature range. Resistant to mild oils, grease, and acids in low concentrations. Not recommended for applications in wet environments or in contact with alkaline substances (e.g., caustic soda, chlorine, cleaning products, soap, and detergent). The recommended traveling speed is up to 4km/h.



Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	Ø (mm)	W (mm)	Pol	Icon	KG	Ø (mm)		w/o brake (mm)	w/ brake G (mm)
Reference										GL/FL	GS/FS		
GL 414 C	FL 414 C	GS 414 C	FS 414 C	R 414 C	100				200	135	140	88	120
GL 514 C	FL 514 C	GS 514 C	FS 514 C	R 514 C	125	38	7/16"	Plain Bearing	300	156	161	103	
GL 614 C	FL 614 C	GS 614 C	FS 614 C	R 614 C	150					178	183	118	130

### Fittings/Accessories

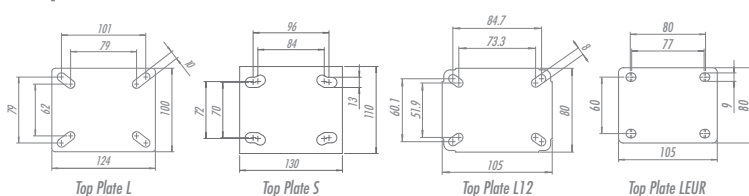
Hole Center	Threaded Stem	Threaded Stem	Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below	See table below
LES	LE	LEX	EX	EA	LEL	S	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24	EA4	27-33	S2	Ø30	T3	1" BSP
EX3	25-28			S3	Ø25		
EX4	27-30			S4	40 x 40		
EX5	37-40						



# L14-S14

## F - CAST IRON

Load capacity up to 300kg

Rig made of stamped steel plate with double ball raceway in the swivel section, zinc-plated finish. Bolted wheel axle.



**F WHEEL - Cast Iron. Hardness: 160 Brinell. (-40°C to +400°C).** Manufactured with grey cast iron. This wheel rolls easily and offers a great reduction in handling effort. It is very resilient and withstands high loads and temperatures. It is not indicated for applications where noise levels and floor maintenance are required. The recommended traveling speed is up to 4km/h.

Swivel Caster	Rigid Caster	Swivel Caster	Rigid Caster	Wheel	⌀ (mm)	F (mm)	⌀ (pol)	⊞	KG	(mm)		w/o brake (mm)	w/ brake G (mm)
Reference										GL/FL	GS/FS		
GL 414 FN	FL 414 FN	GS 414 FN	FS 414 FN	R 414 FN	100	38	7/16"	Plain Bearing	300	135	140	88	120
GL 414 FR	FL 414 FR	GS 414 FR	FS 414 FR	R 414 FR									
GL 414 FE	FL 414 FE	GS 414 FE	FS 414 FE	R 414 FE									
GL 514 FN	FL 514 FN	GS 514 FN	FS 514 FN	R 514 FN	125	38	7/16"	Plain Bearing	300	156	161	103	130
GL 514 FR	FL 514 FR	GS 514 FR	FS 514 FR	R 514 FR									
GL 514 FE	FL 514 FE	GS 514 FE	FS 514 FE	R 514 FE									
GL 614 FN	FL 614 FN	GS 614 FN	FS 614 FN	R 614 FN	150	38	7/16"	Plain Bearing	300	178	183	118	130
GL 614 FR	FL 614 FR	GS 614 FR	FS 614 FR	R 614 FR									
GL 614 FE	FL 614 FE	GS 614 FE	FS 614 FE	R 614 FE									

### Fittings/Accessories

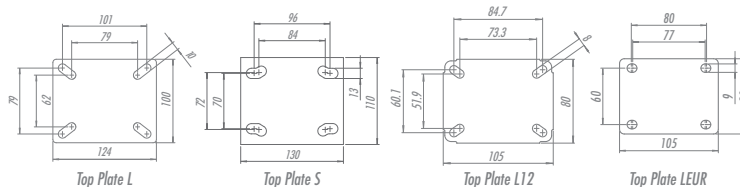
Hole Center	Threaded Stem		Rubber Expander	Aluminum Expander	Plain Stem	Nylon Socket	Cap's
16mm	1/2"NC X 25mm	1/2"NC X 64mm	See table below	See table below	Ø7/16" X 50mm	See table below	See table below
LES	LE	LEX	EX	EA	LEL	S	T

PS: STEM FITTINGS: OVERALL HEIGHT IS 3 MM LOWER.

### Swivel Section



### Top Plates



### Brake



RUBBER EXPANDING ADAPTER		ALUMINUM EXPANDING ADAPTER		NYLON SOCKET FITTING		CAPS N°	THREAD
REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	REFERENCE	SIZE (mm)	T1	1/2" BSP
EX1	18-21	EA2	21-27	S1	Ø38	T2	3/4" BSP
EX2	21-24			S2	Ø30		
EX3	25-28	EA4	27-33	S3	Ø25	T3	1" BSP
EX4	27-30			S4	∅ 40 x 40		
EX5	37-40						