

ORLOCK SYSTEMS

THE ORLOCK®

"Locked in for life" *(with a unique locking ability)*

ADVANTAGES

- ✓ Resistant to vibration.
- ✓ High shear and tensile strengths.
- ✓ Ease of installation
- ✓ Waterproof.
- ✓ Tamperproof.
- ✓ Wide grip range.
- ✓ Large blind side bearing area
- ✓ Mandrel remains captive.
- ✓ Attractive finish



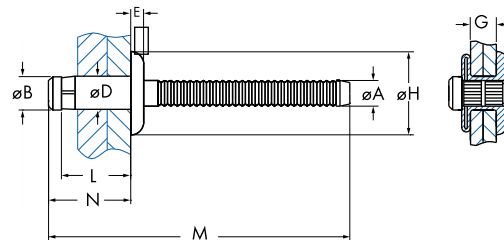
ORLOCK®AL/AL64

ALUMINIUM/ALUMINIUM INDUSTRIAL

FASTENER

P HEAD

(LOW PROFILE MUSH)



SIZE	RIVET CODE	RIVET LENGTH L ±0.3	GRIP RANGE G	A DIA ±0.07	B DIA ±0.06	D DIA ±0.06	E ±0.2	H DIA ±0.3	M ± 2	N ±0.5
1/4" 6.4mm	LH64105P	10.5	2.8 - 4.8	4.17	6.45	6.40	3.0	13.0	50	14.5
	LH64125P	12.5	4.8 - 6.8						52	16.5
	LH64145P	14.5	6.8 - 8.8						54	18.5
	LH64165P	16.5	8.8 - 10.8						56	20.5
	LH64185P	18.5	10.8 - 12.8						58	22.5
	LH64205P	20.5	12.8 - 14.8						60	24.5

RIVET CODE	SHEAR STRENGTH		TENSILE STRENGTH	
	min. N/kgf	nom. N/kgf	min. N/kgf	nom. N/kgf
LH64105P	3826/390	4218/430	3140/320	3434/350
LH64125P	4218/430	4513/460		
LH64145P/ LH64205P	4611/470	4905/500		

BODY MATERIAL	ALUMINIUM ALLOY - ALMG2.5(5052)DIN1725 WERKSTOFF-NR.3.3523
MANDREL MATERIAL	ALUMINIUM ALLOY - ALMG 5.0/6.0 OR EQUIVALENT
FINISH	BRIGHT FINISHED SURFACE
RECOMMENDED HOLE SIZE	6.6 - 6.8mm

- NOTE:** 1) ALL SIZES ARE IN mm.
 2) RECOMMENDED RIVETING TOOL: HEAVY DUTY PNEUMATIC-HYDRAULIC: KC-740, VISION 3L
 NOSEPIECE DIA. 4.4-4.5mm.
 MINIMUM TRACTION POWER 1300 kgf.
 3) SHEAR AND TENSILE STRENGTH VARIES DUE TO DIFFERENT GRIP RANGE AND HOLE SIZE.



ORLOCK SYSTEMS

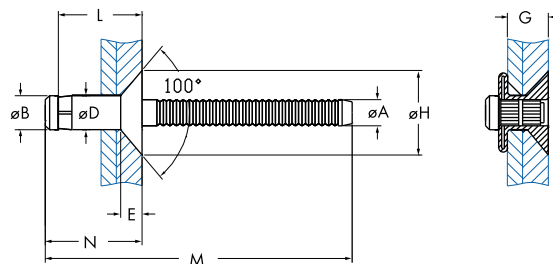
ORLOCK® 64

ALUMINIUM/ALUMINIUM

INDUSTRIAL FASTENER

100° COUNTERSUNK

HEAD



SIZE	RIVET CODE	RIVET LENGTH $L \pm 0.3$	GRIP RANGE G	A DIA. ± 0.07	B DIA. ± 0.05	D DIA. ± 0.05	E ± 0.2	H DIA. ± 0.3	M ± 2	N ± 0.5	G1 ** $\leq$
1/4" 6.4mm	LH64115K	11.5	3.8 - 5.8	4.17	6.45	6.40	2.0	10.0	48	15.5	1.5
	LH64135K	13.5	5.8 - 7.8						50	17.5	3.3
	LH64155K	15.5	7.8 - 9.8						52	19.5	4.8
	LH64175K	17.5	9.8 - 11.8						54	21.5	6.8
	LH64195K	19.5	11.8 - 13.8						56	23.5	8.8
	LH64215K	21.5	13.8 - 15.8						58	25.5	10.8
	LH64235K	23.5	15.8 - 17.8						60	27.5	12.8

RIVET CODE	SHEAR STRENGTH	TENSILE STRENGTH	RIVET CODE	SHEAR STRENGTH	TENSILE STRENGTH
	nom. N/kgf	nom. N/kgf		nom. N/kgf	nom. N/kgf
LH64115K	2747/280	2943/300	LH64175K	4905/500	2943/300
LH64135K	3728/380		LH64235K	4905/500	
LH64155K	4218/430				

BODY MATERIAL	ALUMINIUM ALLOY - ALMG2.5(5052)DIN1725 WERKSTOFF-NR.3.3523
MANDREL MATERIAL	ALUMINIUM ALLOY - ALMG6.0 OR EQUIVALENT
FINISH	BRIGHT FINISHED SURFACE
RECOMMENDED HOLE SIZE	6.6 - 6.8mm

NOTE: 1) ALL SIZES ARE IN mm.

2)RECOMMENDED RIVETING TOOL: HEAVY DUTY PNEUMATIC-HYDRAULIC: KC-740, VISION 3L

3)SHEAR AND TENSILE STRENGTH VARIES DUE TO DIFFERENT GRIP RANGE AND HOLE SIZE.



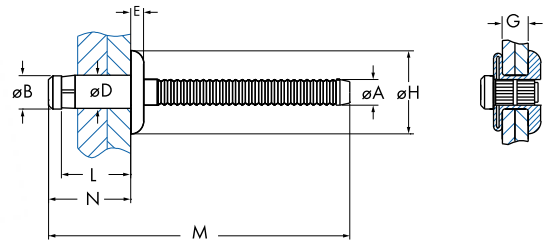
ORLOCK SYSTEMS

ORLOCK®48

STEEL/STEEL INDUSTRIAL FASTENER

P HEAD

(LOW PROFILE HEAD.)



SIZE	RIVET CODE	RIVET LENGTH L ± 0.3	GRIP RANGE G	A DIA $+0.06$ -0.04	B DIA ± 0.06	D DIA ± 0.06	E ± 0.2	H DIA ± 0.3	M ± 2	N ± 0.5
3/16" 4.8mm	L48090P	9.0	1.5 - 3.5	3.02	4.84	4.76	2.2	9.8	46	12.2
	L48115P	11.5	3.5 - 6.0						49	14.7
	L48140P	14.0	6.0 - 8.5						51	17.2
	L48165P	16.5	8.5 - 11.0						54	19.7
	L48190P	19.0	11.0 - 13.5						56	22.2

RIVET CODE	SHEAR STRENGTH		TENSILE STRENGTH		MANDREL PUSH OUT			
	min. N/kgf	nom. N/kgf	min. N/kgf	nom. N/kgf	min. N/kgf			
L48090P	3924/400	4513/460	2943/300	3532/360	686/70			
L48115P	5297/540	5984/610						
L48140P	5690/580	6278/640						
L48190P								

BODY MATERIAL	LOW CARBON STEEL
MANDREL MATERIAL	CARBON STEEL
FINISH	ZINC COATED, YELLOW PASSIVATION
RECOMMENDED HOLE SIZE	4.9-5.1mm

NOTES: 1) ALL SIZES ARE IN mm.

2) RECOMMENDED RIVETING TOOL: HEAVY DUTY PNEUMATIC-HYDRAULIC: KC-530 , VISION 2M

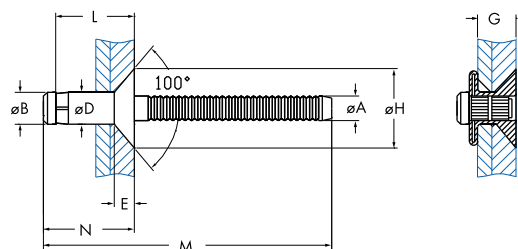
3) SHEAR AND TENSILE STRENGTH VARIES DUE TO DIFFERENT GRIP RANGE AND HOLE SIZE.



ORLOCK SYSTEMS

ORLOCK®48

STEEL / STEEL
INDUSTRIAL FASTENER
100° COUNTERSUNK
HEAD



SIZE	RIVET CODE	RIVET LENGTH L ±0.3	GRIP RANGE G	A DIA. +0.06 -0.04	B DIA. ±0.06	D DIA. ±0.06	E ±0.2	H DIA. ±0.3	M ±2	N ±0.5
3/16" 4.8mm	L48115K	11.5	3.5 - 6.0	3.02	4.84	4.76	1.8	8.5	46	14.7
	L48140K	14.0	6.0 - 8.5						49	17.2
	*L48165K	16.5	8.5 - 11.0						51	19.7
	*L48190K	19.0	11.0 - 13.5						54	22.2

RIVET CODE	SHEAR STRENGTH		TENSILE STRENGTH	
	min. N/kgf	nom. N/kgf	min. N/kgf	nom. N/kgf
L48115K	2354/240	3041/310	2943/300	3335/340
L48140K	3041/310	3924/400		

BODY MATERIAL	LOW CARBON STEEL
MANDREL MATERIAL	CARBON STEEL
FINISH	ZINC COATED, YELLOW PASSIVATION
RECOMMENDED HOLE SIZE	4.9-5.1MM

NOTE: 1)*- FUTURE OPTIONS.

2) ALL SIZES ARE IN mm.

3) RECOMMENDED RIVETING TOOL: HEAVY DUTY PNEUMATIC-HYDRAULIC: KC-530, VISION 2M

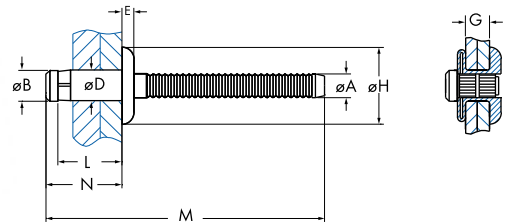
4) SHEAR AND TENSILE STRENGTH VARIES DUE TO DIFFERENT GRIP RANGE AND HOLE SIZE.



ORLOCK SYSTEMS

ORLOCK® 64

STEEL / STEEL
INDUSTRIAL FASTENER
P HEAD
(LOW PROFILE MUSH.)



SIZE	RIVET CODE	RIVET LENGTH L +/-0.3	GRIP RANGE G	A DIA. +/-0.07	B DIA. +/-0.05	D DIA. +/-0.05	E +/-0.2	H DIA. +/-0.3	M +/-2	N +/-0.5
1/4" 6.4mm	*L64090P	9.0	1.5 - 3.5	4.17	6.45	6.40	3.0	13.0	48	13.0
	L64105P	10.5	2.8 - 4.8						50	14.5
	L64125P	12.5	4.8 - 6.8						52	16.5
	L64145P	14.5	6.8 - 8.8						54	18.5
	L64165P	16.5	8.8 - 10.8						56	20.5
	L64185P	18.5	10.8 - 12.8						58	22.5
	L64205P	20.5	12.8 - 14.8						60	24.5
	L64225P	22.5	14.8 - 16.8						62	26.5
	*L64245P	24.5	16.8 - 18.8						64	28.5
	*L64265P	26.5	18.8 - 20.8						66	30.5
	*L64285P	28.5	20.8 - 22.8						68	32.5

RIVET CODE	SHEAR STRENGTH		TENSILE STRENGTH		MANDREL PUSH OUT
	min. N/kgf	nom. N/kgf	min. N/kgf	nom. N/kgf	min. N/kgf
L64090P	5396/550	6867/700	5396/550	6475/660	1177/120
L64105P	7652/780	9221/940			
L64125P	8633/880	10202/1040			
L64145P/L64285P	9614/980	11183/1140			

BODY MATERIAL	LOW CARBON STEEL
MANDREL MATERIAL	CARBON STEEL
FINISH	ZINC COATED, YELLOW PASSIVATION
RECOMMENDED HOLE SIZE	6.6 - 6.8mm

NOTE: 1) *- UNDER SPECIAL REQUEST

2) ALL SIZES ARE IN mm.

3) RECOMMENDED RIVETING TOOL: HEAVY DUTY PNEUMATIC-HYDRAULIC: KC-740, VISION 3L

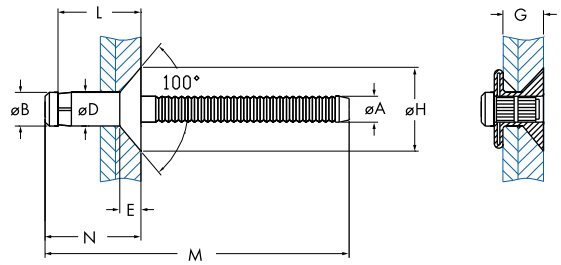
4) SHEAR AND TENSILE STRENGTH VARIES DUE TO DIFFERENT GRIP RANGE AND HOLE SIZE.



ORLOCK SYSTEMS

ORLOCK® 64

STEEL/STEEL INDUSTRIAL FASTENER
100° COUNTERSUNK HEAD



SIZE	RIVET CODE	RIVET LENGTH $L \pm 0.3$	GRIP RANGE G	A DIA. ± 0.07	B DIA. ± 0.05	D DIA. ± 0.05	E ± 0.2	H DIA. ± 0.3	M ± 2	N ± 0.5	G1 ** $\leq$
1/4" 6.4mm	*L64115K	11.5	3.8 - 5.8	4.17	6.45	6.40	2.0	10.0	48	15.5	1.8
	*L64125K	12.5	4.8 - 6.8						50	16.5	2.5
	L64135K	13.5	5.8 - 7.8						50	17.5	3.3
	L64155K	15.5	7.8 - 9.8						52	19.5	4.8
	L64175K	17.5	9.8 - 11.8						54	21.5	6.8
	L64195K	19.5	11.8 - 13.8						56	23.5	8.8
	*L64215K	21.5	13.8 - 15.8						58	25.5	10.8
	*L64235K	23.5	15.8 - 17.8						60	27.5	12.8

RIVET CODE	SHEAR STRENGTH	TENSILE STRENGTH	RIVET CODE	SHEAR STRENGTH	TENSILE STRENGTH
	nom N/kgf	nom. N/kgf		nom N/kgf	nom. N/kgf
L64115K	5395/550	5494/560	L64155K	9320/950	5494/560
L64125K	6376/650		L64175K	10301/1050	
L64135K	7357/750		L64235K	10301/1050	

BODY MATERIAL	LOW CARBON STEEL
MANDREL MATERIAL	CARBON STEEL
FINISH	ZINC COATED, YELLOW PASSIVATION
RECOMMENDED HOLE SIZE	6.6 - 6.8mm

NOTE: 1) *- UNDER SPECIAL REQUEST.

2) ALL SIZES ARE IN mm.

3) RECOMMENDED RIVETING TOOL: HEAVY DUTY PNEUMATIC-HYDRAULIC: KC-740, VISION 3L

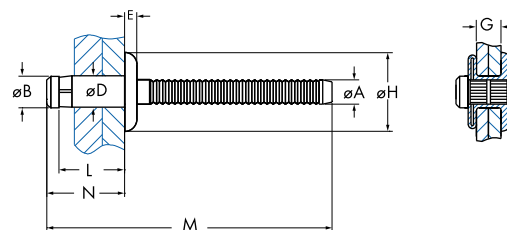
4) ** - SHEAR AND TENSILE STRENGTH VARIES DUE TO DIFFERENT GRIP RANGE AND HOLE SIZE.



ORLOCK SYSTEMS

ORLOCK® 48

NEW TYPE
STEEL/STEEL
INDUSTRIAL FASTENER
LARGE HEAD



SIZE	RIVET CODE	RIVET LENGTH L ±0.3	GRIP RANGE G	A DIA. +0.06 -0.04	B DIA. ±0.06	D DIA. ±0.06	E ±0.2	H DIA. ±0.3	M ±2	N ±0.5
3/16" 4.8mm	L48090L	9.0	1.5-3.5	3.02	4.84	4.76	2.0	14.0	46	12.2
	L48115L	11.5	3.5-6.0						49	14.7
	L48140L	14.0	6.0-8.5						51	17.2
	L48165L	16.5	8.5-11.0	FUTURE OPTION						
	L48190L	19.0	11.0-13.5							

RIVET CODE	SHEAR STRENGTH		TENSILE STRENGTH	
	min. N/kgf	nom. N/kgf	min. N/kgf	nom. N/kgf
L48090L	3924/400	4513/460	2943/300	3532/360
L48115L	5297/540	5984/610		
L48140L	5690/580	6278/640		

BODY MATERIAL	LOW CARBON STEEL
MANDREL MATERIAL	CARBON STEEL
FINISH	ZINC COATED, YELLOW PASSIVATION
RECOMMENDED HOLE SIZE	4.9 - 5.1

NOTE: 1) ALL SIZES ARE IN mm.

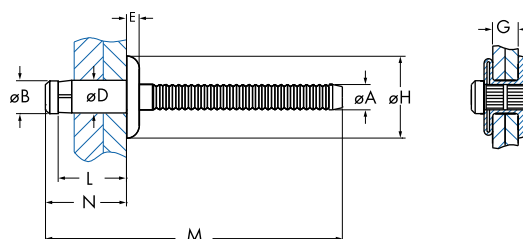
2) RECOMMENDED RIVETING TOOL: HEAVY DUTY PNEUMATIC-HYDRAULIC: KC-530, VISION 2M



ORLOCK SYSTEMS

ORLOCK® 64

STEEL/STEEL
INDUSTRIAL FASTENER
LARGE HEAD(L)



SIZE	RIVET CODE	RIVET LENGTH L +/-0.3	GRIP RANGE G	A DIA +/-0.07	B DIA +/-0.05	D DIA +/-0.05	E +/-0.2	H DIA +/-0.4	M +/-2	N +/-0.5
1/4" 6.4mm	L64105L	10.5	2.8 - 4.8	4.17	6.45	6.40	3.0	16.3	50	14.5
	L64125L	12.5	4.8 - 6.8						52	16.5
	L64145L	14.5	6.8 - 8.8						54	18.5
	L64165L	16.5	8.8 - 10.8						56	20.5
	L64185L	18.5	10.8 - 12.8						58	22.5
	L64205L	20.5	12.8 - 14.8						60	24.5
	L64225L	22.5	14.8 - 16.8						62	26.5

RIVET CODE	SHEAR STRENGTH		TENSILE STRENGTH		MANDREL PUSH OUT
	min. N/kgf	nom. N/kgf	min. N/kgf	nom. N/kgf	min. N/kgf
L64105L	7652/780	9221/940	5396/550	6475/660	1177/120
L64125L	8633/880	10202/1040			
L64145L					
L64225L	9614/980	11183/1140			

BODY MATERIAL	LOW CARBON STEEL
MANDREL MATERIAL	CARBON STEEL
FINISH	ZINC COATED, YELLOW PASSIVATION
RECOMMENDED HOLE SIZE	6.6 - 6.8mm

NOTE: 1) ALL SIZES ARE IN mm.

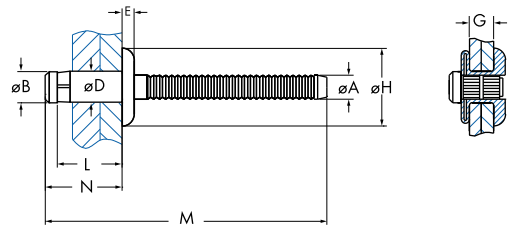
- 2) RECOMMENDED RIVETING TOOL: HEAVY DUTY PNEUMATIC-HYDRAULIC: KC-740, VISION 3L
- 3) SHEAR AND TENSILE STRENGTH VARIES DUE TO DIFFERENT GRIP RANGE AND HOLE SIZE.



ORLOCK SYSTEMS

ORLOCK® 64

STEEL/STEEL
INDUSTRIAL FASTENER
EXTRA LARGE HEAD(X)
*(ON SPECIAL REQUEST)



SIZE	RIVET CODE	RIVET LENGTH L +/-0.3	GRIP RANGE G	A DIA. +/-0.07	B DIA. +/-0.05	D DIA. +/-0.05	E +/-0.2	H DIA. +/-0.3	M +/-2	N +/-0.5
1/4" 6.4mm	*L64090X	9.0	1.5-3.5	4.17	6.45	6.40	3.0	13.0	48	13.0
	L64105X	10.5	2.8-4.8						50	14.5
	L64125X	12.5	4.8-6.8						52	16.5
	L64145X	14.5	6.8-8.8						54	18.5
	L64165X	16.5	8.8-10.8						56	20.5
	L64185X	18.5	10.8-12.8						58	22.5
	L64205X	20.5	12.8-14.8						60	24.5
	L64225X	22.5	14.8-16.8						62	26.5
	*L64245X	24.5	16.8-18.8						64	28.5
	*L64265X	26.5	18.8-20.8						66	30.5
	*L64285X	28.5	20.8-22.8						68	32.5

RIVET CODE	SHEAR STRENGTH		TENSILE STRENGTH		MANDREL PUSH OUT
	min. N/kgf	nom. N/kgf	min. N/kgf	nom. N/kgf	min. N/kgf
L64090X	5396/550	6867/700	5396/550	6475/660	1177/120
L64105X	7652/780	9221/940			
L64125X	8633/880	10202/1040			
L64145X/L64285X	9614/980	11183/1140			

BODY MATERIAL	LOW CARBON STEEL
MANDREL MATERIAL	CARBON STEEL
FINISH	ZINC COATED, YELLOW PASSIVATION
RECOMMENDED HOLE SIZE	6.6 - 6.8mm

NOTE: 1) ALL SIZES ARE IN mm.

2)RECOMMENDED RIVETING TOOL: HEAVY DUTY PNEUMATIC-HYDRAULIC: KC-740, VISION 3L

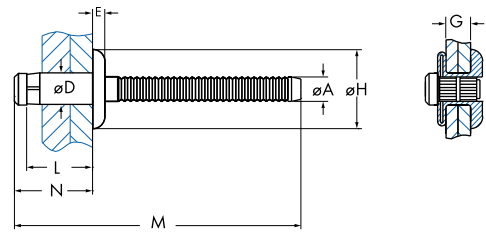
3)SHEAR AND TENSILE STRENGTH VARIES DUE TO DIFFERENT GRIP RANGE AND HOLE SIZE.



ORLOCK SYSTEMS

ORLOCK®65

SUPERIOR STRUCTURAL FASTENER
P HEAD
(STEEL/STEEL)



SIZE	RIVET CODE	RIVET LENGTH L +/-0.3	GRIP RANGE G	A DIA +/-0.7	D DIA +/-0.05	E +/-0.2	H DIA +/-0.4	M +/-0.4	N +/-0.5
6.4mm	LS65105P	10.5	2.0 - 4.5	4.17	6.54	3.0	13.0	50	14.5
	LS65125P	12.5	3.0 - 6.5					52	16.5
	LS65145P	14.5	5.0 - 8.5					54	18.5
	LS65165P	16.5	7.0 - 10.5					56	20.5
	LS65185P	18.5	9.0 - 12.5					58	22.5
	LS65205P	20.5	11.0 - 14.5					60	24.5
	LS65225P	22.5	13.0 - 16.5					62	26.5

RIVET CODE	SHEAR STRENGTH		TENSILE STRENGTH		MANDREL PUSH OUT
	min. N/kgf	nom. N/kgf	min. N/kgf	nom. N/kgf	min. N/kgf
LS65105P	10300/1050	10791/1100	7358/750	7946/810	1864/190
LS65125P	10791/1100	12263/1250			
LS65145P	12753/1300	13734/1400			
LS65165P	13538/13870	14126/1450			
LS65185P/ LS65225P	14520/1480/ 15402/1570				

BODY MATERIAL	LOW CARBON STEEL
MANDREL MATERIAL	CARBON STEEL
FINISH	ZINC COATED, YELLOW PASSIVATION
RECOMMENDED HOLE SIZE	6.7 - 6.9mm

NOTE: 1) ALL SIZES ARE IN mm.

2) RECOMMENDED RIVETING TOOL: HEAVY DUTY PNEUMATIC-HYDRAULIC: KC-740, VISION 3L

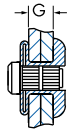
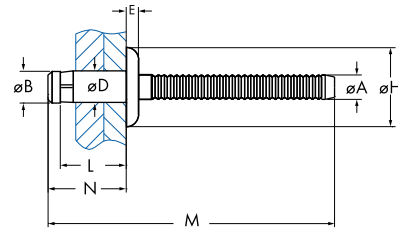
3) SHEAR AND TENSILE STRENGTH VARIES DUE TO DIFFERENT GRIP RANGE AND HOLE SIZE.



ORLOCK SYSTEMS

ORLOCK®78

STEEL/STEEL INDUSTRIAL FASTENER
P HEAD



SIZE	RIVET CODE	RIVET LENGTH L +/-0.3	GRIP RANGE G	A DIA +/-0.8	B DIA +/-0.10	D DIA +/-0.06	E +/-0.3	H DIA +/-0.4	M +/-2	N +/-0.5
5/16" 7.8mm	L78135P	13.5	4.0 - 7.0	5.12	7.85	7.80	3.7	16.0	54	18.5
	L78165P	16.5	7.0 - 10.0						57	21.5
	L78195P	19.5	10.0 - 13.0						60	24.5
	L78225P	22.5	13.0 - 16.0						63	27.5
	*L78225P	25.5	16.0 - 19.0						66	30.5
	*L78285P	28.5	19.0 - 22.0						69	33.5

RIVET CODE	SHEAR STRENGTH		TENSILE STRENGTH	
	min. N/kgf	nom. N/kgf	min. N/kgf	nom. N/kgf
L78135P	13440/1370	13832/1410	7848/800	9124/930
L78165P	14715/1500	15696/1600	7848/800	9124/930
L78285P	14715/1500	15696/1600	7848/800	9124/930

BODY MATERIAL	LOW CARBON STEEL
MANDREL MATERIAL	CARBON STEEL
FINISH	ZINC COATED, YELLOW PASSIVATION
RECOMMENDED HOLE SIZE	8.0 - 8.3mm

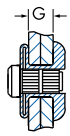
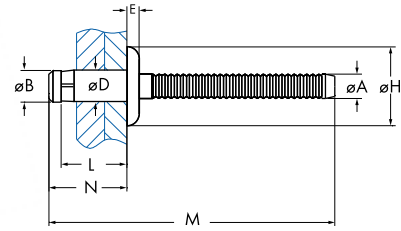
- NOTE:** 1) *- FUTURE OPTION
2) ALL SIZES ARE IN mm.
3) RECOMMENDED RIVETING TOOL: HEAVY DUTY PNEUMATIC-HYDRAULIC: KC-740, VISION 4XL
4) SHEAR AND TENSILE STRENGTH VARIES DUE TO DIFFERENT GRIP RANGE AND HOLE SIZE.
5) IN CASE THERE'S NO STEM DURING SHEARING, MINIMUM SHEAR STRENGTH WILL NOT BE LESS THAN 1200Kgf.



ORLOCK SYSTEMS

ORLOCK®

PROTRUDING HEAD
STAINLESS STEEL BODY AND STEM
U.S. PATENT No.5503510



SIZE	Part No.	RIVET LENGTH L +/-0.3	GRIP RANGE G	A DIA +/-0.07	B DIA +/-0.05	D DIA +/-0.05	E +/-0.2	H DIA +/-0.4	M +/-0.4	N +/-0.5
1/4" 6.4mm	LN64105P	10.5	1.8 - 4.8	4.17	6.45	6.40	3.0	13.0	50	14.5
	LN64125P	12.5	3.8 - 6.8						52	16.5
	LN64145P	14.5	4.8 - 8.8						54	18.5
	LN64165P	16.5	6.8 - 10.8						56	20.5
	LN64185P	18.5	10.8 - 12.8						58	22.5

Part No.	SHEAR STRENGTH,N/kgf		TENSILE STRENGTH,N/kgf	
	min. N/kgf	nom. N/kgf	min. N/kgf	nom. N/kgf
LN64105P	13244/1350	14126/21440	7848/800	8339/850
LN64125P/	13636/1390	14519/1480		
LH64185P				

BODY MATERIAL	AUSTENITIC STAINLESS STEEL,AISI 304Cu, WERKSTOFF 1.4567
MANDREL MATERIAL	AUSTENITIC STAINLESS STEEL, AISI 304Cu WERKSTOFF 1.4567
RECOMMENDED HOLE Ø	6.6 - 6.8
NOSEPIECE Ø	4.4 - 4.5

NOTE: 1) ALL SIZES ARE IN mm.
2)RECOMMENDED RIVETING TOOL: HEAVY DUTY PNEUMATIC-
HYDRAULIC: KC-740、 VISION 4XL
3)SHEAR AND TENSILE STRENGTH VARIES DUE TO
DIFFERENT GRIP RANGE AND HOLE SIZE.

