

**Schäfer + Peters GmbH**  
Competence in Stainless Steel



RIVETS  
RIVETS





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# ISO 15983 A2

## RIVETS BORGNES À TÊTE PLATE ET BOULON RIVETÉ RAINURÉ

ISO 15983 A2  
BLIND RIVETS WITH FLAT HEAD AND GROOVED MANDREL

### APPLICATIONS:

Ideaux pour l'assemblage de tôles minces dans tous les domaines de la transformation des métaux.

Les rivets borgnes sont souvent utilisés dans la construction automobile, la construction métallique, les serrureries et le secteur sanitaire.

### USES:

Optimal for linking thin sheets in all metal processing industries

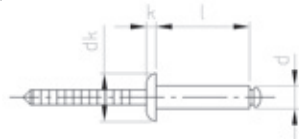
Blind rivets are often used in the car construction, in the metal construction, locksmith's shops and in the sanitary craft

### CARACTÉRISTIQUES:

- Tête plate
- Tête imperdable
- Boulon riveté rainuré

### FEATURES:

- flat head
- unloseable head
- grooved mandrel



d d	l l	dk dk	k k	Pl. serrage Clamp.area	EffTran[N] shaer.fo[N]	ForTrac[N] tens.str[N]	Référence Item Number	
2,4	4	5	0,55	0,5-2,0	1000	1500	15983224 4	500
	6	5	0,55	2,0-4,0	1000	1500	15983224 6	500
	8	5	0,55	4,0-6,0	1000	1500	15983224 8	500
3	6	6,3	1,3	0,5-3,0	1800	2200	1598323 6	500
	8	6,3	1,3	3,0-5,0	1800	2200	1598323 8	500
	10	6,3	1,3	5,0-6,5	1800	2200	1598323 10	500
	12	6,3	1,3	6,5-8,5	1800	2200	1598323 12	500
	14	6,3	1,3	8,5-10,5	1800	2200	1598323 14	500
3,2	6	6,7	1,3	0,5-3,0	1900	2500	15983232 6	500
	8	6,7	1,3	3,0-5,0	1900	2500	15983232 8	500
	10	6,7	1,3	5,0-6,5	1900	2500	15983232 10	500
	12	6,7	1,3	6,5-8,5	1900	2500	15983232 12	500
	14	6,7	1,3	8,5-10,5	1900	2500	15983232 14	500
	16	6,7	1,3	10,5-12,5	1900	2500	15983232 16	500
	18	6,7	1,3	12,0-14,0	1900	2500	15983232 18	500
4	6	8,4	1,7	1,0-2,5	2700	3500	1598324 6	500
	8	8,4	1,7	2,5-4,5	2700	3500	1598324 8	500
	10	8,4	1,7	4,5-6,5	2700	3500	1598324 10	500
	12	8,4	1,7	6,5-8,5	2700	3500	1598324 12	500
	14	8,4	1,7	8,5-10,0	2700	3500	1598324 14	500
	16	8,4	1,7	10,0-12,0	2700	3500	1598324 16	500
	18	8,4	1,7	12,0-14,0	2700	3500	1598324 18	500
	20	8,4	1,7	14,0-16,0	2700	3500	1598324 20	500
	25	8,4	1,7	16,0-21,0	2700	3500	1598324 25	500
	4,8	6	10,1	2	1,5-2,0	4000	5000	15983248 6
8		10,1	2	2,0-4,0	4000	5000	15983248 8	500
10		10,1	2	4,0-6,0	4000	5000	15983248 10	500
12		10,1	2	6,0-8,0	4000	5000	15983248 12	500
14		10,1	2	8,0-9,5	4000	5000	15983248 14	500
16		10,1	2	8,0-11,0	4000	5000	15983248 16	500
18		10,1	2	11,0-13,0	4000	5000	15983248 18	500
20		10,1	2	13,0-16,0	4000	5000	15983248 20	250
22		10,1	2	15,0-17,0	4000	5000	15983248 22	250
24		10,1	2	16,0-18,0	4000	5000	15983248 24	250
25		10,1	2	16,0-19,0	4000	5000	15983248 25	250
26		10,1	2	18,0-20,0	4000	5000	15983248 26	250
30	10,1	2	21,0-25,0	4000	5000	15983248 30	250	
35	10,1	2	25,0-30,0	4000	5000	15983248 35	250	
40	10,1	2	30,0-34,0	4000	5000	15983248 40	250	



# ISO 15983 A2 RIVETS BORGNES À TÊTE PLATE ET BOULON RIVETÉ RAINURÉ

ISO 15983 A2  
BLIND RIVETS WITH FLAT HEAD AND GROOVED MANDREL

#### APPLICATIONS:

Ideaux pour l'assemblage de tôles minces dans tous les domaines de la transformation des métaux.

Les rivets borgnes sont souvent utilisés dans la construction automobile, la construction métallique, les serrureries et le secteur sanitaire.

#### USES:

Optimal for linking thin sheets in all metal processing industries

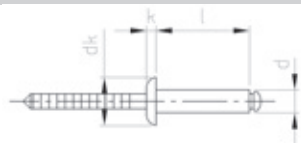
Blind rivets are often used in the car construction, in the metal construction, locksmith's shops and in the sanitary craft

#### CARACTÉRISTIQUES:

- Tête plate
- tête imperdable
- boulon riveté rainuré

#### FEATURES:

- flat head
- unloseable head
- grooved mandrel



d d	l l	dk dk	k k	Pl. serrage Clamp.area	EffTran[N] shaer.fo[N]	ForTrac[N] tens.str[N]	Référence Item Number	
5	8	10,5	2,1	2,0-4,0	4700	5800	1598325 8	500
	10	10,5	2,1	4,0-6,0	4700	5800	1598325 10	500
	12	10,5	2,1	6,0-8,0	4700	5800	1598325 12	500
	14	10,5	2,1	8,0-9,5	4700	5800	1598325 14	500
	16	10,5	2,1	8,0-11,0	4700	5800	1598325 16	500
	18	10,5	2,1	11,0-13,0	4700	5800	1598325 18	500
	20	10,5	2,1	13,0-16,0	4700	5800	1598325 20	250
	22	10,5	2,1	15,0-17,0	4700	5800	1598325 22	250
	24	10,5	2,1	16,0-18,0	4700	5800	1598325 24	250
	25	10,5	2,1	16,0-19,0	4700	5800	1598325 25	250
	26	10,5	2,1	18,0-20,0	4700	5800	1598325 26	250
	30	10,5	2,1	20,0-25,0	4700	5800	1598325 30	250
6	8	12	2,5	2,0-4,0	5700	7500	1598326 8	250
	10	12	2,5	4,0-6,0	5700	7500	1598326 10	250
	12	12	2,5	6,0-8,0	5700	7500	1598326 12	250
	14	12	2,5	7,0-9,5	5700	7500	1598326 14	250
	16	12	2,5	8,0-11,0	5700	7500	1598326 16	250
	18	12	2,5	9,0-13,0	5700	7500	1598326 18	250
	20	12	2,5	11,0-15,0	5700	7500	1598326 20	250
	25	12	2,5	15,0-20,0	5700	7500	1598326 25	250
	30	12	2,5	20,0-24,0	5700	7500	1598326 30	250
	35	12	2,5	24,0-29,0	5700	7500	1598326 35	250
	40	12	2,5	29,0-34,0	5700	7500	1598326 40	250
	6,4	10	13	2,6	2,0-4,0	6500	8850	15983264 10
12		13	2,6	4,0-6,0	6500	8850	15983264 12	250
14		13	2,6	6,0-8,0	6500	8850	15983264 14	250
16		13	2,6	7,0-10,0	6500	8850	15983264 16	250
18		13	2,6	9,0-13,0	6500	8850	15983264 18	250
20		13	2,6	13,0-16,0	6500	8850	15983264 20	250
22		13	2,6	14,0-17,0	6500	8850	15983264 22	250
25		13	2,6	15,0-19,0	6500	8850	15983264 25	250
30		13	2,6	19,0-23,0	6500	8850	15983264 30	250
35		13	2,6	23,0-28,0	6500	8850	15983264 35	250
40		13	2,6	28,0-33,0	6500	8850	15983264 40	250



# ISO 15983 A4

## RIVETS BORGNES À TÊTE PLATE ET BOULON RIVETÉ RAINURÉ

ISO 15983 A4  
BLIND RIVETS WITH FLAT HEAD AND GROOVED MANDREL

### APPLICATIONS:

Ideaux pour l'assemblage de tôles minces dans tous les domaines de la transformation des métaux.

Les rivets borgnes sont souvent utilisés dans la construction automobile, la construction métallique, les serrureries et le secteur sanitaire.

### USES:

Optimal for linking thin sheets in all metal processing industries

Blind rivets are often used in the car construction, in the metal construction, locksmith's shops and in the sanitary craft

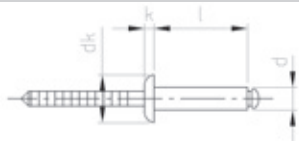
### CARACTÉRISTIQUES:

- Tête plate
- Tête imperdable
- Boulon riveté rainuré

### FEATURES:

- flat head
- unloseable head
- grooved mandrel

d d	l l	dk dk	k k	Pl. serrage Clamp.area	EffTran[N] shaer.fo[N]	ForTrac[N] tens.str[N]	Référence Item Number	
3	6	6,3	1,3	0,5-3,0	1800	2200	1598343 6	500
	8	6,3	1,3	3,0-5,0	1800	2200	1598343 8	500
	10	6,3	1,3	5,0-6,5	1800	2200	1598343 10	500
	12	6,3	1,3	6,5-8,5	1800	2200	1598343 12	500
	14	6,3	1,3	8,5-10,5	1800	2200	1598343 14	500
	16	6,3	1,3	10,5-12,5	1800	2200	1598343 16	500
3,2	6	6,7	1,3	0,5-3,0	1900	2500	15983432 6	500
	8	6,7	1,3	3,0-5,0	1900	2500	15983432 8	500
	10	6,7	1,3	5,0-6,5	1900	2500	15983432 10	500
	12	6,7	1,3	6,5-8,5	1900	2500	15983432 12	500
	14	6,7	1,3	8,5-10,5	1900	2500	15983432 14	500
	16	6,7	1,3	10,5-12,5	1900	2500	15983432 16	500
4	6	8,4	1,7	1,0-2,5	2700	3500	1598344 6	500
	8	8,4	1,7	2,5-4,5	2700	3500	1598344 8	500
	10	8,4	1,7	4,5-6,5	2700	3500	1598344 10	500
	12	8,4	1,7	6,5-8,5	2700	3500	1598344 12	500
	14	8,4	1,7	8,5-10,0	2700	3500	1598344 14	500
	16	8,4	1,7	10,0-12,0	2700	3500	1598344 16	500
4,8	6	10,1	2	1,0-2,0	4000	5000	15983448 6	500
	8	10,1	2	2,0-4,0	4000	5000	15983448 8	500
	10	10,1	2	4,0-6,0	4000	5000	15983448 10	500
	12	10,1	2	6,0-8,0	4000	5000	15983448 12	500
	14	10,1	2	8,0-9,5	4000	5000	15983448 14	500
	16	10,1	2	8,0-11,0	4000	5000	15983448 16	500
5	8	10,5	2,1	2,0-4,0	4700	5800	1598345 8	500
	10	10,5	2,1	4,0-6,0	4700	5800	1598345 10	500
	12	10,5	2,1	6,0-8,0	4700	5800	1598345 12	500
	14	10,5	2,1	8,0-9,5	4700	5800	1598345 14	500
	16	10,5	2,1	8,0-11,0	4700	5800	1598345 16	500
	18	10,5	2,1	11,0-13,0	4700	5800	1598345 18	500
6,4	12	13	2,6	4,0-6,0	6500	8850	15983464 12	250
	14	13	2,6	6,0-8,0	6500	8850	15983464 14	250
	18	13	2,6	9,0-13,0	6500	8850	15983464 18	250
	20	13	2,6	13,0-16,0	6500	8850	15983464 20	250
	25	13	2,6	15,0-19,0	6500	8850	15983464 25	250





# ISO 15984 A2 RIVETS BORGNES À TÊTE FRAISÉE ET BOULON RIVETÉ RAINURÉ

ISO 15984 A2  
BLIND RIVETS WITH COUNTERSUNK HEAD AND GROOVED MANDREL

#### APPLICATIONS:

Ideaux pour l'assemblage de tôles minces dans tous les domaines de la transformation des métaux.

Les rivets borgnes sont souvent utilisés dans la construction automobile, la construction métallique, les serrureries et le secteur sanitaire.

#### USES:

Optimal for linking thin sheets in all metal processing industries

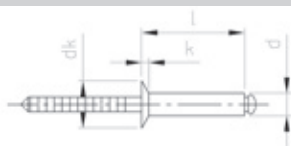
Blind rivets are often used in the car construction, in the metal construction, locksmith's shops and in the sanitary craft

#### CARACTÉRISTIQUES:

- Tête fraisée
- Tête imperdable
- Boulon riveté rainuré

#### FEATURES:

- countersunk
- unloseable head
- grooved mandrel



d d	l l	dk dk	k k	Pl. serrage Clamp.area	EffTran[N] shaer.fo[N]	ForTrac[N] tens.str[N]	Référence Item Number	
3	6	6,3	1,3	1,5-3,0	1800	2200	1598423 6	500
	8	6,3	1,3	3,0-5,0	1800	2200	1598423 8	500
	10	6,3	1,3	5,0-6,5	1800	2200	1598423 10	500
	12	6,3	1,3	6,5-8,5	1800	2200	1598423 12	500
3,2	6	6,7	1,3	1,5-3,0	1900	2500	15984232 6	500
	8	6,7	1,3	3,0-5,0	1900	2500	15984232 8	500
	10	6,7	1,3	5,0-6,5	1900	2500	15984232 10	500
	12	6,7	1,3	6,5-8,5	1900	2500	15984232 12	500
4	8	8,4	1,7	2,5-4,5	2700	3500	1598424 8	500
	10	8,4	1,7	4,5-6,5	2700	3500	1598424 10	500
	12	8,4	1,7	6,5-8,5	2700	3500	1598424 12	500
	14	8,4	1,7	8,5-10,0	2700	3500	1598424 14	500
	16	8,4	1,7	10,0-12,0	2700	3500	1598424 16	500
	18	8,4	1,7	12,0-14,0	2700	3500	1598424 18	500
	20	8,4	1,7	14,0-16,0	2700	3500	1598424 20	500
	4,8	8	10,1	2	2,5-4,0	4000	5000	15984248 8
4,8	10	10,1	2	4,0-6,0	4000	5000	15984248 10	500
	12	10,1	2	6,0-8,0	4000	5000	15984248 12	500
	14	10,1	2	7,0-9,0	4000	5000	15984248 14	500
	16	10,1	2	8,0-11,0	4000	5000	15984248 16	500
	18	10,1	2	11,0-13,0	4000	5000	15984248 18	500
	20	10,1	2	13,0-15,0	4000	5000	15984248 20	250
	25	10,1	2	15,0-17,0	4000	5000	15984248 25	250
	30	10,1	2	17,0-19,0	4000	5000	15984248 30	250
5	8	10,5	2,1	2,5-4,0	4700	5800	1598425 8	500
	10	10,5	2,1	4,0-6,0	4700	5800	1598425 10	500
	12	10,5	2,1	6,0-8,0	4700	5800	1598425 12	500
	14	10,5	2,1	7,0-9,0	4700	5800	1598425 14	500
	16	10,5	2,1	8,0-11,0	4700	5800	1598425 16	500
	18	10,5	2,1	11,0-13,0	4700	5800	1598425 18	500
	20	10,5	2,1	13,0-15,0	4700	5800	1598425 20	250
	25	10,5	2,1	15,0-17,0	4700	5800	1598425 25	250
30	10,5	2,1	17,0-19,0	4700	5800	1598425 30	250	



# ISO 16585 A2 RIVETS BORGNES ÉTANCHES À TÊTE PLATE ET BOULON RIVETÉ RAINURÉ

ISO 16585 A2  
BLIND RIVETS WITH FLAT HEAD AND GROOVED MANDREL

#### APPLICATIONS:

Les rivets borgnes étanches sont souvent utilisés dans la construction automobile, la construction métallique, les serrureries, dans le domaine de la ventilation et de la climatisation ainsi que dans la plomberie.

#### USES:

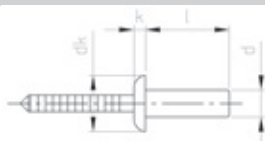
Rivets are often used in the car construction, in the metal construction, locksmith's shops and in the sanitary craft.

#### CARACTÉRISTIQUES:

- Tête plate
- Boulon imperdable
- Douille de rivet fermée
- Boulon riveté rainuré

#### FEATURES:

- Flathead
- captive mandrel
- closed rivet sleeve
- grooved mandrel



d d	l l	Pl. serrage Clamp. area	dk dk	k k	EffTran[N] shaer.fo[N]	ForTrac[N] tens.str[N]	Référence Item Number	
3,2	6	0,5-1,5	6,7	1,3	2000	2200	16585232 6	500
	8	1,5-3,0	6,7	1,3	2000	2200	16585232 8	500
	10	3,0-5,0	6,7	1,3	2000	2200	16585232 10	500
	12	5,0-6,5	6,7	1,3	2000	2200	16585232 12	500
4	14	6,5-8,0	6,7	1,3	2000	2200	16585232 14	500
	6	0,5-1,5	8,4	1,7	3000	3500	1658524 6	500
	8	1,5-3,0	8,4	1,7	3000	3500	1658524 8	500
	10	3,0-5,0	8,4	1,7	3000	3500	1658524 10	500
4,8	12	5,0-6,5	8,4	1,7	3000	3500	1658524 12	500
	14	6,5-8,0	8,4	1,7	3000	3500	1658524 14	500
	16	8,0-11,0	8,4	1,7	3000	3500	1658524 16	500
	8	0,5-3,0	10,1	2	4000	4400	16585248 8	500
4,8	10	3,0-5,0	10,1	2	4000	4400	16585248 10	500
	12	5,0-6,5	10,1	2	4000	4400	16585248 12	500
	14	6,0-7,5	10,1	2	4000	4400	16585248 14	500
	16	6,5-9,0	10,1	2	4000	4400	16585248 16	500
6,4	20	9,0-12,0	10,1	2	4000	4400	16585248 20	250
	12	1,5-6,5	13,4	2,7	6000	8000	16585264 12	250
	14	5,0-7,0	13,4	2,7	6000	8000	16585264 14	250
	16	6,5-8,0	13,4	2,7	6000	8000	16585264 16	250
6,4	20	8,0-12,0	13,4	2,7	6000	8000	16585264 20	250





# ARTICLE 1021 A2

## ÉCROUS À RIVER À PETITE TÊTE FRAISÉE, TIGE RONDE OUVERTE, MOLETÉE

ITEM 1021 A2  
BLIND RIVET NUTS WITH SMALL CSK, STRAIGHT SHANK, OPEN TYPE  
KNURLED

### APPLICATIONS:

les écrous borgnes à tige ronde moletée se prêtent aux cas où l'utilisation d'une empreinte hexagonale est impossible. Ce moletage renforce la résistance à la torsion dans le cas de matériaux durs contrairement aux rivets borgnes non moletés.

### USES:

Blind rivet nuts with knurled round shank is used when an application using the hex shank is not possible. This knurling is an additional security against rotation with hard materials as opposed to unknurled blind rivets.

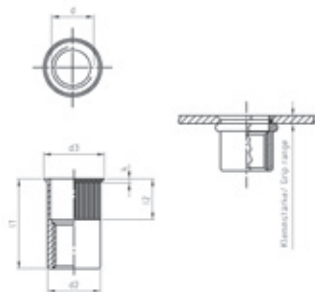
### CARACTÉRISTIQUES:

- petite tête fraisée
- tige ronde
- moletée
- ouverte

### FEATURES:

- small countersunk
- straight shank
- knurled
- open type

d1 d1	l1 l1	d2 d2	d3 d3	l2 l2	k k	Force de serr. clamp.stre	EffTran[N] shaer.fo[N]	ForTrac[N] tens.str[N]	Référence Item Number	
3	9	4,9	6	4,2	0,8	0,5-2,0	2499	5831	102123 9	250
4	10	5,9	7	5,2	0,8	0,5-2,5	2940	6860	102124 10	250
5	11,5	6,9	8	5,7	0,8	0,5-2,5	4020	11760	102125 115	250
6	14	8,9	10	6,5	0,8	0,5-3,0	5190	18630	102126 14	250
8	15,5	10,9	12	7	0,8	0,5-3,0	5390	25490	102128 155	250
10	19,5	12,9	14,5	9	1	0,8-3,5	5880	34320	1021210 195	250
12	24	15,9	17,6	10	1	1,5-3,5	6174	36036	1021212 24	250





# ARTICLE 1023 A2

## ÉCROUS À RIVER À TÊTE FRAISÉE, TIGE RONDE OUVERTE, MOLETÉE

ITEM 1023 A2  
BLIND RIVET NUTS WITH CSK, STRAIGHT SHANK, OPEN KNURLED

### APPLICATIONS:

les écrous borgnes à tige ronde moletée se prêtent aux cas où l'utilisation d'une empreinte hexagonale est impossible. Ce moletage renforce la résistance à la torsion dans le cas de matériaux durs contrairement aux rivets borgnes non moletés.

### USES:

Blind rivet nuts with knurled round shank is used when an application using the hex shank is not possible. This knurling is an additional security against rotation with hard materials as opposed to unknurled blind rivets.

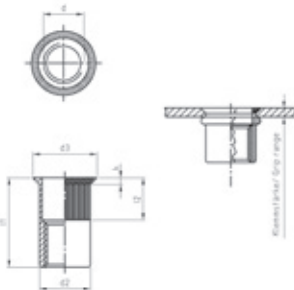
### CARACTÉRISTIQUES:

- tête fraisée
- tige ronde
- moletée
- ouverte

### FEATURES:

- countersunk
- straight shank
- knurled
- open type

d1 d1	l1 l1	d2 d2	d3 d3	l2 l2	k k	Force de serr. clamp.stre	EffTran[N] shaer.fo[N]	ForTrac[N] tens.str[N]	Référence Item Number	
3	9	4,9	8	4,5	1,7	1,5-2,0	3162	8585	102323 9	250
4	11,5	5,9	9	5,5	1,7	1,5-3,5	3720	10100	102324 115	250
5	13,5	6,9	10	5,8	1,7	1,5-4,0	4020	11760	102325 135	250
6	16	8,9	12	7	1,7	1,5-4,5	5490	20590	102326 16	250
8	19	10,9	14	8,5	1,7	1,5-4,5	7640	27450	102328 19	250
10	21	12,9	16	9	1,7	1,5-4,5	8040	32360	1023210 21	250
12	24	15,9	18	10	1,7	1,5-4,5	8442	33978	1023212 24	250





## ARTICLE 1025 A2 ÉCROUS À RIVER À TÊTE PLATE, TIGE RONDE OUVERTE, MOLETÉE

ITEM 1025 A2  
BLIND RIVET NUTS WITH FLAT HEAD, STRAIGHT SHANK, OPEN TYPE  
KNURLED

### APPLICATIONS:

Les écrous borgnes à tige ronde moletée se prêtent aux cas où l'utilisation d'une empreinte hexagonale est impossible. Ce moletage renforce la résistance à la torsion dans le cas de matériaux durs contrairement aux rivets borgnes non moletés.

### USES:

Blind rivet nuts with knurled round shank is used when an application using the hex shank is not possible. This knurling is an additional security against rotation with hard materials as opposed to unknurled blind rivets.

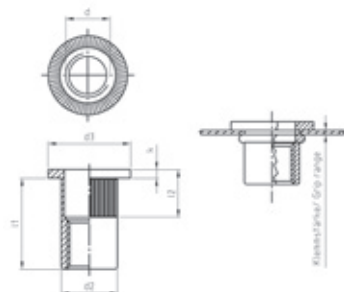
### CARACTÉRISTIQUES:

- Tête plate
- Tige ronde
- Moletée
- Ouverte

### FEATURES:

- flat head
- straight shank
- knurled
- open type

d1 d1	l1 l1	d2 d2	d3 d3	l2 l2	k k	Force de serr. clamp.stre	EffTran[N] shaer.fo[N]	ForTrac[N] tens.strj[N]	Référence Item Number	
3	10	4,9	8	4,3	0,9	0,3-2,0	1760	5390	102523 10	250
4	10	5,9	9	5,5	1	0,3-3,0	3920	6860	102524 10	250
	11,5	5,9	9	7,5	1	2,1-4,0	3920	6860	102524 115	250
5	12	6,9	10	5,7	1	0,3-2,0	4510	11760	102525 12	250
	15	6,9	10	7,7	1	2,1-4,0	4510	11760	102525 15	250
6	14,5	8,9	13	7,5	1,5	0,5-3,0	4900	18630	102526 145	250
	16	8,9	13	9,5	1,5	3,1-5,0	4900	18630	102526 16	250
8	16	10,9	16	8	1,5	0,5-3,0	6860	27450	102528 16	250
	18,5	10,9	16	10,5	1,5	3,1-5,5	6860	27450	102528 185	250
10	17	12,9	19	10	2	0,5-3,0	7840	29410	1025210 17	250
	22	12,9	19	13	2	3,1-6,0	7840	29410	1025210 22	250
12	23	14,9	23	12	2	1,0-4,0	9800	52950	1025212 23	250



# ARTICLE 1027 A2 ÉCROUS À RIVER, PETITE TÊTE FRAISÉE, TIGE HEXAGONALE RÉDUITE OUVERTE

ITEM 1027 A2  
BLIND RIVET NUTS WITH SMALL CSK, PARTIAL HEXAGON, OPEN TYPE

## APPLICATIONS:

La tige hexagonale réduite optimise la résistance à la torsion. Après l'utilisation d'une clé, la tige hexagonale réduite empêche un dévissage par erreur contrairement à la tige hexagonale.

## USES:

An optimal security against rotation is ensured by the partial hexagonal shank. Once you have used a key part of the hex shank prevents accidental unscrewing as opposed to the hex shaft.

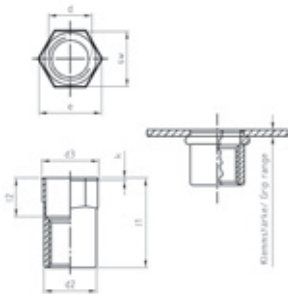
## CARACTÉRISTIQUES:

- Petite tête fraisée
- Tige hexagonale réduite
- Ouverte

## FEATURES:

- small countersunk
- partial hexagon
- open type

d1 d1	l1 l1	d2 d2	d3 d3	l2 l2	k k	e e	Force de serr. clamp.stre	EffTran[N] shaer.fof[N]	ForTrac[N] tens.strf[N]	Entraînement Drive size	Référence Item Number	
3	9	4,9	5,6	4,2	0,5	5,3	0,3-1,5	2058	5761	SW 5	102723 9	250
4	12	5,9	7	4,5	0,6	6,5	0,5-2,0	2940	8230	SW 6	102724 12	250
5	14	6,9	8	5,2	0,6	7,6	0,5-2,5	3820	11760	SW 7	102725 14	250
6	16	8,9	10	6,3	0,6	10	0,5-3,0	3430	21570	SW 9	102726 16	250
8	17	10,9	12	6,8	0,6	12,1	0,5-3,0	4900	24510	SW 11	102728 17	250
10	20,5	12,9	14	9	0,6	14,7	1,0-4,0	5000	47070	SW 13	1027210 205	250
12	24	15,9	17,5	9,3	0,6	17,6	1,0-4,0	5250	49423	SW 16	1027212 24	250





# ARTICLE 1029 A2

## ÉCROUS À RIVER À TÊTE PLATE, TIGE HEXAGONALE RÉDUITE OUVERTE

ITEM 1029 A2  
BLIND RIVET NUTS WITH FLAT HEAD, OPEN PARTIAL HEXAGON

### APPLICATIONS:

La tige hexagonale réduite optimise la résistance à la torsion. Après l'utilisation d'une clé, la tige hexagonale réduite empêche un dévissage par erreur contrairement à la tige hexagonale.

### USES:

An optimal security against rotation is ensured by the partial hexagonal shank. Once you have used a key part of the hex shank prevents accidental unscrewing as opposed to the hex shaft.

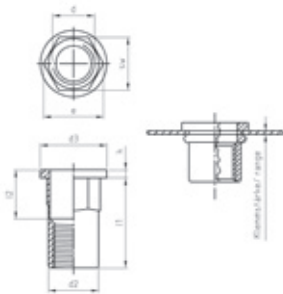
### CARACTÉRISTIQUES:

- Tête plate
- Tige hexagonale réduite
- Ouverte

### FEATURES:

- flat head
- partial hexagon
- open type

d1 d1	l1 l1	d2 d2	d3 d3	k k	l2 l2	e e	Force de serr. clamp.stre	EffTran[N] shaer.fo[N]	For-Trac[N] tens.str[N]	Entraînement Drive size	Référence Item Number	
3	9	4,9	8	0,75	4,3	5,3	0,3-1,8	1848	6860	SW 5	102923 9	250
4	11,5	5,9	9,3	1	4,8	6,5	0,5-2,0	2640	9800	SW 6	102924 115	250
5	13,5	6,9	10,3	1	6,5	7,6	0,5-2,5	3620	12740	SW 7	102925 135	250
6	15,5	8,9	12,3	1,5	7	10	0,5-3,0	4700	21570	SW 9	102926 155	250
8	17,5	10,9	14,3	1,5	7,8	12,4	0,5-3,0	6860	37260	SW 11	102928 175	250
10	22	12,9	16,3	2	9,7	14,7	1,0-4,0	8620	47070	SW 13	1029210 22	250
12	26	15,9	23	2	10,5	17,6	1,0-4,0	9051	49423	SW 16	1029212 26	250





# DIN 660 A2 RIVETS DEMI-RONDS

## DIN 660 A2 ROUND HEAD RIVETS

### APPLICATIONS:

Grâce à leur étanchéité à l'air et à l'eau, les rivets étanches sont idéaux pour l'assemblage de deux ou plusieurs matériaux.

### USES:

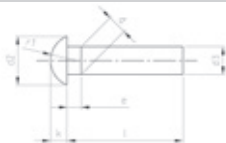
Since the compounds include air and water sealing, the sealing rivets are ideal for connecting two or more materials.

### CARACTÉRISTIQUES:

- Tête semi-ronde

### FEATURES:

- round head



d1 d1	l l	d2 d2	d3 d3	e e	k k	r1 r1	Pl. serrage Clamp.area	Référence Item Number	
2	6	3,5	1,87	1	1,2	1,9	3	066022 6	500
	8	3,5	1,87	1	1,2	1,9	4,5	066022 8	500
	10	3,5	1,87	1	1,2	1,9	6	066022 10	500
	12	3,5	1,87	1	1,2	1,9	7,5	066022 12	500
	14	3,5	1,87	1	1,2	1,9	9,5	066022 14	500
	16	3,5	1,87	1	1,2	1,9	11	066022 16	500
	18	3,5	1,87	1	1,2	1,9	12,5	066022 18	500
	20	3,5	1,87	1	1,2	1,9	14	066022 20	500
	22	3,5	1,87	1	1,2	1,9	16	066022 22	500
	25	3,5	1,87	1	1,2	1,9	18	066022 25	500
2,5	6	4,4	2,37	1,25	1,5	2,4	2,5	0660225 6	500
	8	4,4	2,37	1,25	1,5	2,4	4	0660225 8	500
	10	4,4	2,37	1,25	1,5	2,4	6	0660225 10	500
	12	4,4	2,37	1,25	1,5	2,4	7,5	0660225 12	500
	14	4,4	2,37	1,25	1,5	2,4	9	0660225 14	500
	16	4,4	2,37	1,25	1,5	2,4	11	0660225 16	500
	18	4,4	2,37	1,25	1,5	2,4	13	0660225 18	500
	20	4,4	2,37	1,25	1,5	2,4	14	0660225 20	500
	22	4,4	2,37	1,25	1,5	2,4	16	0660225 22	500
	25	4,4	2,37	1,25	1,5	2,4	18	0660225 25	500
3	6	5,2	2,87	1,5	1,8	2,8	2	066023 6	500
	8	5,2	2,87	1,5	1,8	2,8	4	066023 8	500
	10	5,2	2,87	1,5	1,8	2,8	5,5	066023 10	500
	12	5,2	2,87	1,5	1,8	2,8	7,5	066023 12	500
	14	5,2	2,87	1,5	1,8	2,8	9,5	066023 14	500
	16	5,2	2,87	1,5	1,8	2,8	11	066023 16	500
	18	5,2	2,87	1,5	1,8	2,8	13	066023 18	500
	20	5,2	2,87	1,5	1,8	2,8	14	066023 20	500
	22	5,2	2,87	1,5	1,8	2,8	16	066023 22	500
	25	5,2	2,87	1,5	1,8	2,8	18	066023 25	500
4	6	7	3,87	2	2,4	3,8	1	066024 6	200
	8	7	3,87	2	2,4	3,8	3	066024 8	200
	10	7	3,87	2	2,4	3,8	4,5	066024 10	200
	12	7	3,87	2	2,4	3,8	6	066024 12	200
	14	7	3,87	2	2,4	3,8	7,5	066024 14	200
	16	7	3,87	2	2,4	3,8	9	066024 16	200
	18	7	3,87	2	2,4	3,8	11	066024 18	200
	20	7	3,87	2	2,4	3,8	13	066024 20	200
	22	7	3,87	2	2,4	3,8	15	066024 22	200
	25	7	3,87	2	2,4	3,8	17	066024 25	200
	28	7	3,87	2	2,4	3,8	20	066024 28	200
	30	7	3,87	2	2,4	3,8	22	066024 30	200
	35	7	3,87	2	2,4	3,8	26	066024 35	200
	40	7	3,87	2	2,4	3,8	30	066024 40	200
45	7	3,87	2	2,4	3,8		066024 45	200	
50	7	3,87	2	2,4	3,8		066024 50	200	
60	7	3,87	2	2,4	3,8		066024 60	200	



# DIN 660 A2 RIVETS DEMI-RONDS

DIN 660 A2  
ROUND HEAD RIVETS

#### APPLICATIONS:

Grâce à leur étanchéité à l'air et à l'eau, les rivets étanches se prêtent parfaitement à l'assemblage de deux ou plusieurs matériaux.

#### USES:

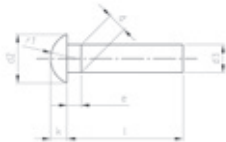
Since the compounds include air and water sealing, the sealing rivets are ideal for connecting two or more materials.

#### CARACTÉRISTIQUES:

- Tête semi-ronde

#### FEATURES:

- round head



d1 d1	l l	d2 d2	d3 d3	e e	k k	r1 r1	Pl. serrage Clamp.area	Référence Item Number	
5	8	8,8	4,82	2,5	3	4,6	2	066025 8	200
	10	8,8	4,82	2,5	3	4,6	4	066025 10	200
	12	8,8	4,82	2,5	3	4,6	5,5	066025 12	200
	14	8,8	4,82	2,5	3	4,6	7	066025 14	200
	16	8,8	4,82	2,5	3	4,6	9	066025 16	200
	18	8,8	4,82	2,5	3	4,6	11	066025 18	200
	20	8,8	4,82	2,5	3	4,6	12	066025 20	200
	22	8,8	4,82	2,5	3	4,6	14	066025 22	200
	25	8,8	4,82	2,5	3	4,6	17	066025 25	200
	28	8,8	4,82	2,5	3	4,6	19	066025 28	200
	30	8,8	4,82	2,5	3	4,6	21	066025 30	200
	35	8,8	4,82	2,5	3	4,6	25	066025 35	200
	40	8,8	4,82	2,5	3	4,6	32	066025 40	200
	6	10	10,5	5,82	3	3,6	5,7	2,5	066026 10
12		10,5	5,82	3	3,6	5,7	4,5	066026 12	100
14		10,5	5,82	3	3,6	5,7	6,5	066026 14	100
16		10,5	5,82	3	3,6	5,7	8	066026 16	100
18		10,5	5,82	3	3,6	5,7	9,5	066026 18	100
20		10,5	5,82	3	3,6	5,7	11	066026 20	100
22		10,5	5,82	3	3,6	5,7	13	066026 22	100
25		10,5	5,82	3	3,6	5,7	16	066026 25	100
28		10,5	5,82	3	3,6	5,7	18	066026 28	100
30		10,5	5,82	3	3,6	5,7	20	066026 30	100
35		10,5	5,82	3	3,6	5,7	24	066026 35	100
40		10,5	5,82	3	3,6	5,7	32	066026 40	100
45		10,5	5,82	3	3,6	5,7	35	066026 45	100
50		10,5	5,82	3	3,6	5,7	38	066026 50	100



# DIN 660 A4 RIVETS DEMI-RONDS

## DIN 660 A4 ROUND HEAD RIVETS

### APPLICATIONS:

Grâce à leur étanchéité à l'air et à l'eau, les rivets étanches sont idéaux pour l'assemblage de deux ou plusieurs matériaux.

### USES:

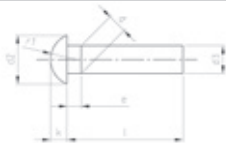
Since the compounds include air and water sealing, the sealing rivets are ideal for connecting two or more materials.

### CARACTÉRISTIQUES:

- Tête semi-ronde

### FEATURES:

- round head



d1 d1	l l	d2 d2	d3 d3	e e	k k	r1 r1	Pl. serrage Clamp.area	Référence Item Number	📄
2	6	3,5	1,87	1	1,2	1,9	3	066042 6	500
	8	3,5	1,87	1	1,2	1,9	4,5	066042 8	500
	10	3,5	1,87	1	1,2	1,9	6	066042 10	500
	12	3,5	1,87	1	1,2	1,9	7,5	066042 12	500
	14	3,5	1,87	1	1,2	1,9	9,5	066042 14	500
	16	3,5	1,87	1	1,2	1,9	11	066042 16	500
	18	3,5	1,87	1	1,2	1,9	12,5	066042 18	500
	20	3,5	1,87	1	1,2	1,9	14	066042 20	500
	22	3,5	1,87	1	1,2	1,9	16	066042 22	500
3	25	3,5	1,87	1	1,2	1,9	18	066042 25	500
	6	5,2	2,87	1,5	1,8	2,8	2	066043 6	500
	8	5,2	2,87	1,5	1,8	2,8	4	066043 8	500
	10	5,2	2,87	1,5	1,8	2,8	5,5	066043 10	500
	12	5,2	2,87	1,5	1,8	2,8	7,5	066043 12	500
	14	5,2	2,87	1,5	1,8	2,8	9,5	066043 14	500
	16	5,2	2,87	1,5	1,8	2,8	11	066043 16	500
	18	5,2	2,87	1,5	1,8	2,8	13	066043 18	500
	20	5,2	2,87	1,5	1,8	2,8	14	066043 20	500
4	22	5,2	2,87	1,5	1,8	2,8	16	066043 22	500
	25	5,2	2,87	1,5	1,8	2,8	18	066043 25	500
	6	7	3,87	2	2,4	3,8	1	066044 6	200
	8	7	3,87	2	2,4	3,8	3	066044 8	200
	10	7	3,87	2	2,4	3,8	4,5	066044 10	200
	12	7	3,87	2	2,4	3,8	6	066044 12	200
	14	7	3,87	2	2,4	3,8	7,5	066044 14	200
	16	7	3,87	2	2,4	3,8	9	066044 16	200
	18	7	3,87	2	2,4	3,8	11	066044 18	200
	20	7	3,87	2	2,4	3,8	13	066044 20	200
	22	7	3,87	2	2,4	3,8	15	066044 22	200
	25	7	3,87	2	2,4	3,8	17	066044 25	200
	28	7	3,87	2	2,4	3,8	20	066044 28	200
	30	7	3,87	2	2,4	3,8	22	066044 30	200
	35	7	3,87	2	2,4	3,8	26	066044 35	200
5	8	8,8	4,82	2,5	3	4,6	2	066045 8	200
	10	8,8	4,82	2,5	3	4,6	4	066045 10	200
	12	8,8	4,82	2,5	3	4,6	5,5	066045 12	200
	14	8,8	4,82	2,5	3	4,6	7	066045 14	200
	16	8,8	4,82	2,5	3	4,6	9	066045 16	200
	18	8,8	4,82	2,5	3	4,6	11	066045 18	200
	20	8,8	4,82	2,5	3	4,6	12	066045 20	200
	22	8,8	4,82	2,5	3	4,6	14	066045 22	200
	25	8,8	4,82	2,5	3	4,6	17	066045 25	200
	28	8,8	4,82	2,5	3	4,6	19	066045 28	200
	30	8,8	4,82	2,5	3	4,6	21	066045 30	200
	35	8,8	4,82	2,5	3	4,6	25	066045 35	200
40	8,8	4,82	2,5	3	4,6	32	066045 40	200	





# DIN 660 A4 RIVETS DEMI-RONDS

DIN 660 A4  
ROUND HEAD RIVETS

#### APPLICATIONS:

Grâce à leur étanchéité à l'air et à l'eau, les rivets étanches se prêtent parfaitement à l'assemblage de deux ou plusieurs matériaux.

#### USES:

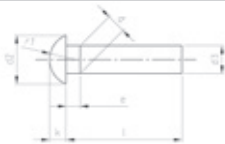
Since the compounds include air and water sealing, the sealing rivets are ideal for connecting two or more materials.

#### CARACTÉRISTIQUES:

- Tête semi-ronde

#### FEATURES:

- round head



d1 d1	l l	d2 d2	d3 d3	e e	k k	r1 r1	Pl. serrage Clamp.area	Référence Item Number	📄
6	10	10,5	5,82	3	3,6	5,7	2,5	066046 10	100
	12	10,5	5,82	3	3,6	5,7	4,5	066046 12	100
	14	10,5	5,82	3	3,6	5,7	6,5	066046 14	100
	16	10,5	5,82	3	3,6	5,7	8	066046 16	100
	18	10,5	5,82	3	3,6	5,7	9,5	066046 18	100
	20	10,5	5,82	3	3,6	5,7	11	066046 20	100
	22	10,5	5,82	3	3,6	5,7	13	066046 22	100
	25	10,5	5,82	3	3,6	5,7	16	066046 25	100
	28	10,5	5,82	3	3,6	5,7	18	066046 28	100
	30	10,5	5,82	3	3,6	5,7	20	066046 30	100
	35	10,5	5,82	3	3,6	5,7	24	066046 35	100
	40	10,5	5,82	3	3,6	5,7	32	066046 40	100
	45	10,5	5,82	3	3,6	5,7	35	066046 45	100
50	10,5	5,82	3	3,6	5,7	38	066046 50	100	



# DIN 661 A2 RIVETS NOYÉS

## DIN 661 A2 COUNTERSUNK HEAD RIVETS

### APPLICATIONS:

Grâce à leur étanchéité à l'air et à l'eau, les rivets étanches se prêtent parfaitement à l'assemblage de deux ou plusieurs matériaux.

### USES:

Since the compounds include air and water sealing, the sealing rivets are ideal for connecting two or more materials.

### CARACTÉRISTIQUES:

- tête fraisée

### FEATURES:

- countersunk



d1 d1	l l	d2 d2	d3 d3	e e	k k	Pl. serrage Clamp.area	Référence Item Number	
2	6	3,5	1,87	1	1	4	066122 6	500
	8	3,5	1,87	1	1	6	066122 8	500
	10	3,5	1,87	1	1	7,5	066122 10	500
	12	3,5	1,87	1	1	9,5	066122 12	500
	14	3,5	1,87	1	1	10,5	066122 14	500
	16	3,5	1,87	1	1	12	066122 16	500
	18	3,5	1,87	1	1	14	066122 18	500
	20	3,5	1,87	1	1	15	066122 20	500
	22	3,5	1,87	1	1	17	066122 22	500
	25	3,5	1,87	1	1	20	066122 25	500
3	6	5,2	2,87	1,5	1,4	4	066123 6	500
	8	5,2	2,87	1,5	1,4	6	066123 8	500
	10	5,2	2,87	1,5	1,4	7,5	066123 10	500
	12	5,2	2,87	1,5	1,4	9,5	066123 12	500
	14	5,2	2,87	1,5	1,4	10,5	066123 14	500
	16	5,2	2,87	1,5	1,4	12	066123 16	500
	18	5,2	2,87	1,5	1,4	14	066123 18	500
	20	5,2	2,87	1,5	1,4	15	066123 20	500
	22	5,2	2,87	1,5	1,4	17	066123 22	500
	25	5,2	2,87	1,5	1,4	20	066123 25	500
4	6	7	3,87	2	2	3,5	066124 6	200
	8	7	3,87	2	2	5,5	066124 8	200
	10	7	3,87	2	2	7	066124 10	200
	12	7	3,87	2	2	9	066124 12	200
	14	7	3,87	2	2	10,5	066124 14	200
	16	7	3,87	2	2	12	066124 16	200
	18	7	3,87	2	2	14	066124 18	200
	20	7	3,87	2	2	15	066124 20	200
	22	7	3,87	2	2	17	066124 22	200
	25	7	3,87	2	2	20	066124 25	200
5	8	8,8	4,82	2,5	2,5	5	066125 8	200
	10	8,8	4,82	2,5	2,5	7	066125 10	200
	12	8,8	4,82	2,5	2,5	9	066125 12	200
	14	8,8	4,82	2,5	2,5	10	066125 14	200
	16	8,8	4,82	2,5	2,5	12	066125 16	200
	18	8,8	4,82	2,5	2,5	13	066125 18	200
	20	8,8	4,82	2,5	2,5	15	066125 20	200
	22	8,8	4,82	2,5	2,5	17	066125 22	200
	25	8,8	4,82	2,5	2,5	20	066125 25	200
	28	8,8	4,82	2,5	2,5	22	066125 28	200
30	8,8	4,82	2,5	2,5	24	066125 30	200	
35	8,8	4,82	2,5	2,5	27	066125 35	200	
40	8,8	4,82	2,5	2,5	32	066125 40	200	



# DIN 661 A2 RIVETS NOYÉS

## DIN 661 A2 COUNTERSUNK HEAD RIVETS

### APPLICATIONS:

Grâce à leur étanchéité à l'air et à l'eau, les rivets étanches se prêtent parfaitement à l'assemblage de deux ou plusieurs matériaux.

### USES:


Since the compounds include air and water sealing, the sealing rivets are ideal for connecting two or more materials.

### CARACTÉRISTIQUES:

- Tête fraisée

### FEATURES:

- countersunk

d1 d1	l l	d2 d2	d3 d3	e e	k k	Pl. serrage Clamp.area	Référence Item Number	
6	10	10,5	5,82	3	3	6,5	066126 10	100
	12	10,5	5,82	3	3	8,5	066126 12	100
	14	10,5	5,82	3	3	10	066126 14	100
	16	10,5	5,82	3	3	11,5	066126 16	100
	18	10,5	5,82	3	3	13	066126 18	100
	20	10,5	5,82	3	3	15	066126 20	100
	22	10,5	5,82	3	3	17	066126 22	100
	25	10,5	5,82	3	3	20	066126 25	100
	28	10,5	5,82	3	3	22	066126 28	100
	30	10,5	5,82	3	3	24	066126 30	100
	35	10,5	5,82	3	3	27	066126 35	100
	40	10,5	5,82	3	3	32	066126 40	100
	45	10,5	5,82	3	3	35	066126 45	100
	50	10,5	5,82	3	3	40	066126 50	100





# DIN 661 A4 RIVETS NOYÉS

## DIN 661 A4 COUNTERSUNK HEAD RIVETS

### APPLICATIONS:

Grâce à leur étanchéité à l'air et à l'eau, les rivets étanches se prêtent parfaitement à l'assemblage de deux ou plusieurs matériaux.

### USES:

Since the compounds include air and water sealing, the sealing rivets are ideal for connecting two or more materials.

### CARACTÉRISTIQUES:

- Tête fraisée

### FEATURES:

- countersunk



d1 d1	l l	d2 d2	d3 d3	e e	k k	Pl. serrage Clamp.area	Référence Item Number	
2	6	3,5	1,87	1	1	4	066142 6	500
	8	3,5	1,87	1	1	6	066142 8	500
	10	3,5	1,87	1	1	7,5	066142 10	500
	12	3,5	1,87	1	1	9,5	066142 12	500
	14	3,5	1,87	1	1	10,5	066142 14	500
	16	3,5	1,87	1	1	12	066142 16	500
	18	3,5	1,87	1	1	14	066142 18	500
	20	3,5	1,87	1	1	15	066142 20	500
	22	3,5	1,87	1	1	17	066142 22	500
	25	3,5	1,87	1	1	20	066142 25	500
3	6	5,2	2,87	1,5	1,4	4	066143 6	500
	8	5,2	2,87	1,5	1,4	6	066143 8	500
	10	5,2	2,87	1,5	1,4	7,5	066143 10	500
	12	5,2	2,87	1,5	1,4	9,5	066143 12	500
	14	5,2	2,87	1,5	1,4	10,5	066143 14	500
	16	5,2	2,87	1,5	1,4	12	066143 16	500
	18	5,2	2,87	1,5	1,4	14	066143 18	500
	20	5,2	2,87	1,5	1,4	15	066143 20	500
	22	5,2	2,87	1,5	1,4	17	066143 22	500
	25	5,2	2,87	1,5	1,4	20	066143 25	500
4	6	7	3,87	2	2	3,5	066144 6	200
	8	7	3,87	2	2	5,5	066144 8	200
	10	7	3,87	2	2	7	066144 10	200
	12	7	3,87	2	2	9	066144 12	200
	14	7	3,87	2	2	10,5	066144 14	200
	16	7	3,87	2	2	12	066144 16	200
	18	7	3,87	2	2	14	066144 18	200
	20	7	3,87	2	2	15	066144 20	200
	22	7	3,87	2	2	17	066144 22	200
	25	7	3,87	2	2	20	066144 25	200
5	8	8,8	4,82	2,5	2,5	5	066145 8	200
	10	8,8	4,82	2,5	2,5	7	066145 10	200
	12	8,8	4,82	2,5	2,5	9	066145 12	200
	14	8,8	4,82	2,5	2,5	10	066145 14	200
	16	8,8	4,82	2,5	2,5	12	066145 16	200
	18	8,8	4,82	2,5	2,5	13	066145 18	200
	20	8,8	4,82	2,5	2,5	15	066145 20	200
	22	8,8	4,82	2,5	2,5	17	066145 22	200
	25	8,8	4,82	2,5	2,5	20	066145 25	200
	28	8,8	4,82	2,5	2,5	22	066145 28	200
30	8,8	4,82	2,5	2,5	24	066145 30	200	
35	8,8	4,82	2,5	2,5	27	066145 35	200	
40	8,8	4,82	2,5	2,5	32	066145 40	200	



# DIN 661 A4 RIVETS NOYÉS

## DIN 661 A4 COUNTERSUNK HEAD RIVETS

### APPLICATIONS:

Grâce à leur étanchéité à l'air et à l'eau, les rivets étanches se prêtent parfaitement à l'assemblage de deux ou plusieurs matériaux.

### USES:

Since the compounds include air and water sealing, the sealing rivets are ideal for connecting two or more materials.

### CARACTÉRISTIQUES:

- Tête fraisée

### FEATURES:

- countersunk



d1 d1	l l	d2 d2	d3 d3	e e	k k	Pl. serrage Clamp.area	Référence Item Number	
6	10	10,5	5,82	3	3	6,5	066146 10	100
	12	10,5	5,82	3	3	8,5	066146 12	100
	14	10,5	5,82	3	3	10	066146 14	100
	16	10,5	5,82	3	3	11,5	066146 16	100
	18	10,5	5,82	3	3	13	066146 18	100
	20	10,5	5,82	3	3	15	066146 20	100
	22	10,5	5,82	3	3	17	066146 22	100
	25	10,5	5,82	3	3	20	066146 25	100
	28	10,5	5,82	3	3	22	066146 28	100
	30	10,5	5,82	3	3	24	066146 30	100
	35	10,5	5,82	3	3	27	066146 35	100
	40	10,5	5,82	3	3	32	066146 40	100
	45	10,5	5,82	3	3	35	066146 45	100
	50	10,5	5,82	3	3	40	066146 50	100

# RIVETS S+P

RIVETS AT S + P

Référence	Désignation II	Matériau						Forme de la tête				Tige		Divers		
		1 partie		Boulon riveté			Douille de rivet									
		A2	A4	A2	A4	C1	A2	A4	Tête fraisée	Petite tête fraisée	Tête plate	Tête semi-ronde	Tige ronde	Tige hexagonale réduite	moletée	ouverte
15983	Rivets borgnes à tête plate et boulon riveté rainuré			x	x		x	x			x					
15984	Rivets borgnes à tête fraisée et boulon riveté rainuré			x			x		x							
16585	Rivets borgnes étanches à tête plate, boulon riveté rainuré					x	x			x						
1021	Écrous à river, petite tête fraisée tige ronde ouverte moletée	x								x		x		x	x	
1023	Écrous à river à tête fraisée, tige ronde ouverte, moletée	x							x			x		x	x	
1025	Écrous à river à tête plate, tige ronde ouverte, moletée	x								x		x		x	x	
1027	Écrous à river, petite tête fraisée, tige hexagonale réduite ouverte	x								x			x			x
1029	Écrous à river à tête plate, tige hexagonale réduite ouverte	x									x		x			x
660	Rivets demi-ronds	x	x									x				
661	Rivets noyés	x	x						x							

item number	title II	material						head shape				shank		other		
		1-pieces		mandrel			rivet sleeve									
		A2	A4	A2	A4	C1	A2	A4	countersunk	small countersunk	flat head	round head	round shank	semi-hexagonal	knurled	open
15983	Blindrivets with flat head and grooved mandrel			x	x		x	x			x					
15984	Blindrivets with CSK head and grooved mandrel			x			x		x							
16585	Closed blindrivets with flat head, grooved mandrel					x	x			x						
1021	Rivet nuts, small CSK head, open type, knurled	x								x		x		x	x	
1023	Rivet nuts with CSK head, open type, knurled	x							x			x		x	x	
1025	Rivet nuts with flat head, open type, knurled	x								x		x		x	x	
1027	Rivet nuts, small CSK head, semi-hexagonal shank	x								x			x			x
1029	Rivet nuts with flat head, semi-hexagonal shank	x									x		x			x
660	Round head rivets	x	x									x				
661	Countersunk head rivets	x	x						x							



Competence in  
Stainless Steel



[www.schaefer-peters.com](http://www.schaefer-peters.com)

# General terms of supply and payment for Schäfer + Peters GmbH (hereinafter also named „S+P“, Öhringen, Version dated September 2011

## I. Scope of application

- The following sales terms and conditions apply to all the contracts concluded between the purchaser and S + P for the supply of goods, insofar as the purchaser is a company, a legal entity under public law or a special fund under public law. Orders will be fulfilled on the basis of the following terms and conditions only. The offer, the acceptance of the offer, the order confirmation and the sale of any products are subject to the present conditions. We do not recognise any contrary or different terms of the purchaser, unless we have accepted explicitly that they are valid. The following terms and conditions also apply if we carry out the order without reservation in the awareness of the purchaser's contrary or different terms.
- All the agreements between the purchaser and S + P regarding performance of the purchase contracts up to the point when the contract in question was concluded have been recorded in writing in the contracts. This does not affect the effectiveness of any agreements concluded separately.
- Where S + P and the purchaser have concluded a framework agreement, these General Terms and Conditions shall apply to this framework agreement and to the individual supply or purchase contract.
- The General Terms and Conditions shall also apply to all future business dealings even if they are not explicitly agreed again.

## II. Offer and conclusion of contract

- We can choose to accept an order from the purchaser which qualifies as a legally binding offer to conclude a purchase contract within two weeks, either by sending confirmation of the order or by providing the services or goods ordered without reservation.
- Our offers are subject to change without notice and non-binding, unless we have explicitly designated them as binding. Information about our goods (including, but not limited to data, dimensions, performance and consumption data and the descriptions in the product information sheets or advertising material etc) are only approximate; they are not a guarantee of quality, unless the guarantee has been given explicitly and in writing.
- We retain title, copyright and other proprietary rights to all illustrations, calculations, drawings and other documents. The purchaser may only pass these on to third parties with our written permission, irrespective of whether we have designated them as confidential.

## III. Payment conditions

- Our prices are ex works Öhringen, and do not include packaging, duty, insurance and any other fees applying in individual cases, if not specified otherwise. Statutory VAT is not included in our prices. We will state the statutory amount separately on the invoice on the day the invoice is issued.
- If not otherwise agreed, invoices shall be due for payment with no discount within 30 days of the date of the invoice and delivery. Payments within 10 days of the invoice date shall attract a discount of 2% unless the purchaser is in default of other payments to us. A payment shall not be considered complete until the amount is available to us. Payments by cheque shall not be considered complete until the cheque has been honoured.
- If the purchaser does not pay within the specified period, he or she will be in default without a further demand for payment having been issued. Should the purchaser be in default of payment, the statutory late payment interest rate for companies shall be applied to the purchase price. Rights shall be reserved to make further claims. If the purchaser fails to make payment following another demand, we shall be entitled to accelerate immediately all the purchaser's debts, including, but not limited to, deferred payments or payments to be made in instalments, and to refuse to supply any more goods.
- The purchaser shall only be authorised to offset payments and/or retain the goods if the counterclaims are derived from the same contractual relationship. If the delivery is based on an outline agreement or other long-term contractual relationship, the possibility to offset payments applies only to debts from the actual legal relationship from which the principle claim and counterclaim result. If the counterclaim is not based on the same contractual relationship, the purchaser can only offset the payment if the counterclaims have been legally established, are acknowledged by us or are uncontested.
- If S + P have permitted the purchaser to pay by instalments, the total amount remaining will be due for payment if the buyer delays payment of one instalment for longer than 8 days.
- Price changes shall be permissible if more than 4 months pass between conclusion of the contract and the agreed delivery date and the price change is due to a current increase in costs for which we are not responsible. Costs are deemed to have increased if wages, material costs or sales costs have risen before the delivery. The same applies if duty is increased or a duty is introduced or our suppliers increase their prices or there are exchange rate fluctuations. In these instances, S + P are justified in increasing the price commensurately with the rise in costs.

## IV. Delivery and performance time, liability if delivery delayed.

- Delivery times or periods which have not been explicitly agreed as binding are non-binding statements only. They are only approximate and describe the time and date when delivery can be expected. Any different agreements regarding a binding delivery date and time must be made explicitly and in writing. The delivery time will start when the purchaser has properly completed the actions incumbent on him or her to help bring about the delivery.
- If we do not receive deliveries or services from our suppliers or subcontractors through no fault of our own despite having made the appropriate provisions, or do not receive them at the appropriate time or there are instances of force majeure, we will inform our customers in good time in writing. In this event, we are entitled to postpone the delivery or the service for the duration of the impediment, or to withdraw partially or in full from the contract on account of the unfulfilled part of the contract, provided we have fulfilled our obligation to provide information as described above and have not accepted the risks associated with procurement or manufacture. Instances of force majeure are strikes, lock-out, intervention by authorities, lack of power or raw materials, transport bottlenecks through no fault of ours, operational impediments through no fault of ours such as fire, water, damage to machinery and all other impediments which from an objective point of view are not our fault. If the delivery or the service is delayed by more than a month, then both we and the customer – to the exclusion of all claims for damages – shall be entitled to withdraw from the contract where the quantity affected by the delivery problems is concerned. The customer shall be entitled to withdraw fully from the contract if it is unreasonable to expect him or her to accept a part delivery.
- In any case we will not be deemed to be delaying delivery until a subsequent reasonable period set by the customer has expired, unless the transaction includes delivery by a fixed date within the meaning of Section 286 para. 2 no. 4 German Civil Code (BGB) or Section 376 German Commercial Code.
- Claims for damages arising from delayed delivery shall be excluded, provided they are not the result of intentional or gross negligence on our part or that of our agents or of a culpable infringement of substantive contractual obligations. Those contractual obligations are substantive which protect the customer's legal position which the content and purpose of the contract must provide; also substantive are those contractual obligations the fulfillment of which is only made possible by the correct performance of the contract and on which as a general rule, the contractual partner relies and may rely. Exclusion of liability for ordinary negligence shall not apply to damages resulting from injury to life, body or health or from the infringement of substantive contractual obligations or which affect warranties. However, where a substantive contractual obligation has been infringed as the result of ordinary negligence, we shall only be liable for average damages that are foreseeable, typical and immediate, given the type of contract concluded.
- Should we be responsible for delaying the delivery, the purchaser shall be able to claim flatrate compensation amounting to 0.5% of the value of the delivery for every full week of the delay, up to a maximum of 5% of the value of the delivery, unless we show that he or she has suffered less or no damage.
- We shall be entitled to make part deliveries or deliver only some services at any time if the customer can be reasonably expected to accept this.
- If the purchaser delays accepting the goods, we shall be entitled to request compensation for the losses this causes and for any extra expenditure. The same applies if the purchaser culpably fails to fulfil his or her duty to cooperate.

## V. Place of performance, transfer of risk, despatch and packing

- Where no other agreement has been made, the place of performance shall be our registered company offices in Öhringen.
- Where no other agreement has been made, the risk of accidental damage or loss of the goods shall pass to the purchaser as follows: as soon as the goods are not despatched from our warehouse in Öhringen, at the time when the goods are made available to the first transport person, or, if the purchaser is delaying acceptance, at the time at which we offer the transfer in such a way as to constitute a delay, provided the goods are despatched from our warehouse in Öhringen at the time at which we inform the customer the goods are available for collection. Loading and despatch shall not be insured and shall be at the risk of the purchaser.
- We shall endeavour to take account of the purchaser's wishes and interests regarding the method and route of despatch; any extra costs arising as a result – even when carriage paid has been agreed – will be charged to the purchaser.
- We do not take back any transport or other packaging in accordance with the packaging directive, with the exception of pallets. The purchaser must dispose of the packaging which becomes his or her property at his or her own cost.
- If the despatch is delayed at the wish or due to the fault of the purchaser, we shall store the goods at the cost and risk of the purchaser. In this case, notification that we are ready to despatch shall be equivalent to the despatch.
- We shall insure the delivery through a transport insurance company if the purchaser wishes and at his or her cost. Explicit instructions in writing from the purchaser are required to effect this.

## VI. Warranty / limits of liability / compensation for wasted expenditure

- Warranty claims by the purchaser are valid only if the purchaser has correctly fulfilled the statutory obligations in examining the goods and making a complaint. We must be notified in writing of detectable defects within a week of receipt of the goods. If this is not done, the goods shall be deemed approved. S + P must be notified of latent defects as soon as they have been found.
- If the defect in the goods is our fault, we are initially obliged to rectify the defect unless legislation entitles us to refuse rectification. The purchaser's rights to withdraw from the contract or reduce the selling price are excluded. The purchaser must allow us

a reasonable period to rectify the defect. The purchaser can choose to have the defect rectified through elimination (correction) or through delivery of new goods. Where the defect is eliminated, we shall bear the necessary expenses, provided these are not increased because the object of the contract is at a location different from the place of performance.

If the rectification to which the purchaser is entitled fails or it is unreasonable to expect the purchaser to accept it, or the rectification is refused under the provisions of Section 439 para. 3 German Civil Code, or, the interests of both parties having been weighed up, the circumstances are such that require immediate claim for compensation for damages or withdrawal, the purchaser can request that the purchase price be reduced or announce withdrawal from the contract.

The purchaser can only assert claims for compensation for damages due to the defect under the following conditions if the rectification has failed. The right of the purchaser to assert further claims for damages under the following conditions shall not be affected.

- Claims in accordance with Section 478 German Civil Code (Recourse of the entrepreneur) asserted by the purchaser against S + P shall exist only in so far as the purchaser has not entered into any agreements with his or her customer which contain provisions which extend beyond statutory warranty claims (see point 4). A claim is excluded if the purchaser has not correctly fulfilled the statutory obligations to examine the goods and to make a complaint in respect of a defect.
- The obligation stated in item VI, point 3 is excluded if the defect is based on advertising statements or other contractual agreements which did not originate with us or if the purchaser has given the end consumer a special warranty. The obligation is similarly excluded if the purchaser him/herself was under no obligation towards the end consumer under the statutory regulations governing the exercise of warranty rights or did not give notice of this defect in respect of a claim made up on it. This also applies if the purchaser has given the end consumer warranties which extend beyond the statutory requirements.
- Claims for damages arising from defects in the title or quality shall be excluded provided they are not the result of intentional or gross negligence on our part or that of our agents or a culpable infringement of substantive contractual obligations. Those contractual obligations are substantive which protect the customer's legal position which the content and purpose of the contract must provide; also substantive are those contractual obligations the fulfillment of which is only made possible by the correct performance of the contract and on which as a general rule, the contractual partner relies and may rely. Exclusion of liability for ordinary negligence shall not apply to damages resulting from injury to life, body or health or from the infringement of substantive contractual obligations or from warranties or claims based on product liability legislation. However, where a substantive contractual obligation has been infringed as the result of ordinary negligence, we shall only be liable for average damages that are foreseeable, typical and immediate, given the type of contract concluded.
- Claims for compensation for wasted expenditure in accordance with Section 284 German Civil Code shall be waived if in accordance with the above, a claim for compensation for damage in the place of effective performance has been excluded in the contract.

## VII. Liability

Claims for damages resulting from infringement of a non-contractual obligation (tortious liability) or from culpability on or previous to concluding the contract (culpa in contrahendo) and for other legal reasons, including, but not limited to infringement of the general obligation to be considerate (section 241 para. 2 German Civil Code) or other contractual obligations (Section 280 Section 1 German Civil Code) provided these are not already claims against warranty shall be excluded, provided they are not the result of intentional or gross negligence on our part or that of our agents or of the culpable infringement of substantive contractual obligations.

This includes but is not limited to, our liability where a substantive contractual obligation has been infringed as the result of ordinary negligence, for average damages that given the type of contract concluded are foreseeable, typical and immediate.

Exclusion of liability for ordinary negligence shall not apply to damages resulting from injury to life, body or health or the infringement of substantive contractual obligations or from warranties or claims based on product liability legislation.

## VIII. Statute of limitations

Claims of the purchaser for warranty and compensation for damages (items IV, VI, VII) shall fall under the statute of limitations one year after the goods have been delivered. This shall not apply where we are liable for damages which result from injury to life, body or health and the infringement of substantive contractual obligations, are based on fraudulently concealed defects, or affect warranties and claims under product liability legislation. The shortening of the period of the statute of limitations shall not apply in the event of recourse of the entrepreneur (Sections 478 and 479 of the German Civil Code) or the object purchased is a building or has been as a building in accordance with customary use and caused its defectiveness (Section 438 para. 1 no. 2 German Civil Code).

## IX. Reservation of title

- The goods supplied by us shall remain our property until all the existing claims or claims arising in the future which are due to us for any legal reason from the ongoing business relationship and/or the actual purchase contract with the purchaser are fulfilled. If the purchaser is in breach of the contract, in default of payment, for example, we shall be entitled after setting an appropriate interval to take back the goods subject to retention of title. Our taking back the goods subject to retention of title shall represent withdrawal from the contract. Our seizing the goods subject to retention of title shall constitute withdrawal from the contract. We shall be entitled to resell the goods subject to retention of title after taking them back. After subtracting an appropriate amount for the costs of reselling, the proceeds of the resale will be used to offset the monies owed to us by the purchaser.
- The purchaser must handle the goods subject to retention carefully and insure them at their as-new value against damage from fire, water and theft. The purchaser must carry out any maintenance and service work required at his or her cost. The purchaser shall also be obliged, at S + P's request, to inform us at any time about the condition of the goods and to tell us where they are stored.
- The purchaser shall be entitled to sell and/or use the goods subject to retention of title in a proper business transaction as long as he or she is not in default of payment. Pledging or assignment as collateral is not permitted. The purchaser shall assign all claims arising from a sale or other legal basis (insurance, non-permitted activity) of the goods subject to retention of title (including all current account balance claims) now for reasons of safety; we hereby accept the assignment. We authorise the purchaser to call in the debts assigned for the purchaser's account in his or her own name. The authorisation to call in the debts can be revoked at any time if the purchaser does not fulfil his or her payment obligations correctly. The purchaser is not authorised to assign this debt for the purposes of calling in the debt via factoring, unless at the same time, the factor is obliged to give us immediate consideration in the amount still owed to us by the purchaser. The purchaser shall furthermore be obliged to inform us immediately of any seizure of the goods or other impairment by third parties.
- The goods subject to retention will in any case be processed or converted for us by the purchaser. If the goods subject to retention of title are processed with objects which do not belong to us, we shall acquire joint ownership of the new object to the value of the goods subject to retention (final invoice amount, including VAT) relative to the other processed objects at the time of processing. If the goods subject to retention of title are inseparably combined with objects which do not belong to us, we shall acquire joint ownership of the new object to the value of the goods subject to retention (final invoice amount, including the VAT) relative to the other combined objects at the time of combining. If the purchaser's object is to be deemed a primary object as the result of the combining, and if the purchaser and we agree that the purchaser shall transfer to us proportionate joint ownership in this object, we herewith accept the transfer. The purchaser shall keep our exclusive or joint ownership thus created in safe custody. The same applies to the new object created from the processing or conversion as for the goods subject to retention of title, with the restriction however that the purchaser assigns claims from third parties to us in the amount of joint ownership we acquired as stated above.
- If third parties access the goods subject to retention, including but not limited to seizures, the purchaser shall make them aware of our title and inform us immediately so that we can assert our right to title. If the third party is unable to reimburse us for any legal or non-legal costs arising in this respect, the purchaser shall be liable for them.
- We shall be obliged to release the collateral owed to us in so far as the realisable value of our collateral exceeds the claims to be collateralised by more than 10%; we shall be able to choose which collateral to release.

## X. Place of performance, choice of forum, applicable legislation

- The place of performance and choice of forum for deliveries and payments (including complaints regarding cheques or bills) and for all disputes arising between us and the purchaser from the purchase contracts concluded between us and him or her shall be Öhringen. However we shall be entitled to file a complaint against the purchaser at his or her residence or registered business address.
- The legal relationship between us and our customers or between us and third parties shall be governed exclusively by the legislation of the Federal Republic of Germany.

## XI. Miscellaneous

- In the event that one or more of the provisions in this agreement is or becomes partly invalid or incomplete, or is excluded by a special agreement, this shall not affect the validity of the remaining provisions.
- We would like to point out that we hold our customers' data as part of our mutual business relationships in accordance with the Federal Data Protection Act.

## Schäfer + Peters GmbH





# CERTIFICAT



Ce document est pour certifier que



## Schäfer + Peters GmbH

Zeilbaumweg 32  
74613 Öhringen

a mis en œuvre un **ystème de management de la qualité.**

Domaine d'application:  
Commerce de vis en acier inoxydable

Par un audit, documenté par un rapport, il a été établi que le système de management correspond aux exigences de la norme ci-dessous:

## ISO 9001 : 2008

N° d'enregistrement du certificat	019819 QM08
Date de certification	2011-12-15
Valable jusqu'au	2014-12-14



## DQS GmbH

Michael Drechsel  
Directeur Général

Accredited Body: DQS GmbH, August-Schanz-Straße 21, 60433 Frankfurt am Main





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