



Quick Ship Basic
Off-the-shelf delivery



**Shipped
same day***
* When ordered
before 12 PM

Quick Ship Basic

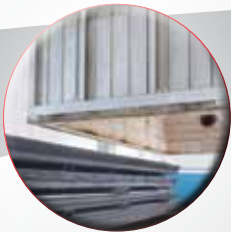
Features:



- **wide range of mold sizes available, from 156 x 156 up to 446 x 596**



- **cavity plates in 1.1730 and Toolox 33**



- **stress relieved steel**



- **immediate availability**



- **lowest-priced mold base on the market**



Quick Ship Basic

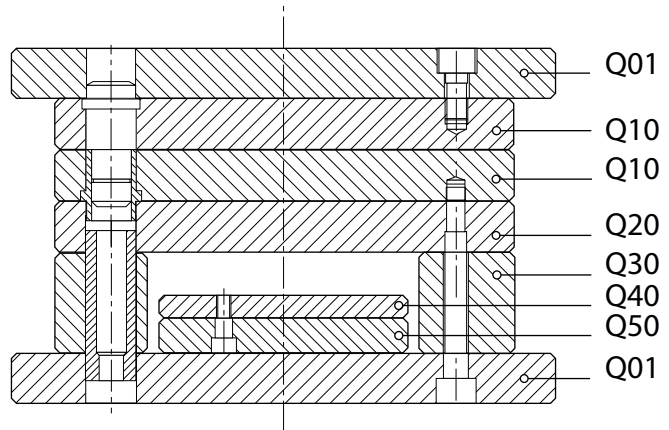
Info	3
156 x 156	10
156 x 196	14
156 x 246	18
196 x 196	22
196 x 246	26
196 x 296	30
196 x 346	34
246 x 246	38
246 x 296	42
246 x 346	46
246 x 396	50
296 x 296	54
296 x 346	58
296 x 396	62
296 x 446	66
346 x 346	70
346 x 396	74
346 x 446	78
346 x 496	82
396 x 396	86
396 x 446	90
396 x 496	94
396 x 546	98
446 x 446	102
446 x 496	106
446 x 546	110
446 x 596	114
Guided Ejection	118

P-Plates

Info	119
------------	-----

Clamping Fixtures

Quick Ship Basic	123
Universal	126

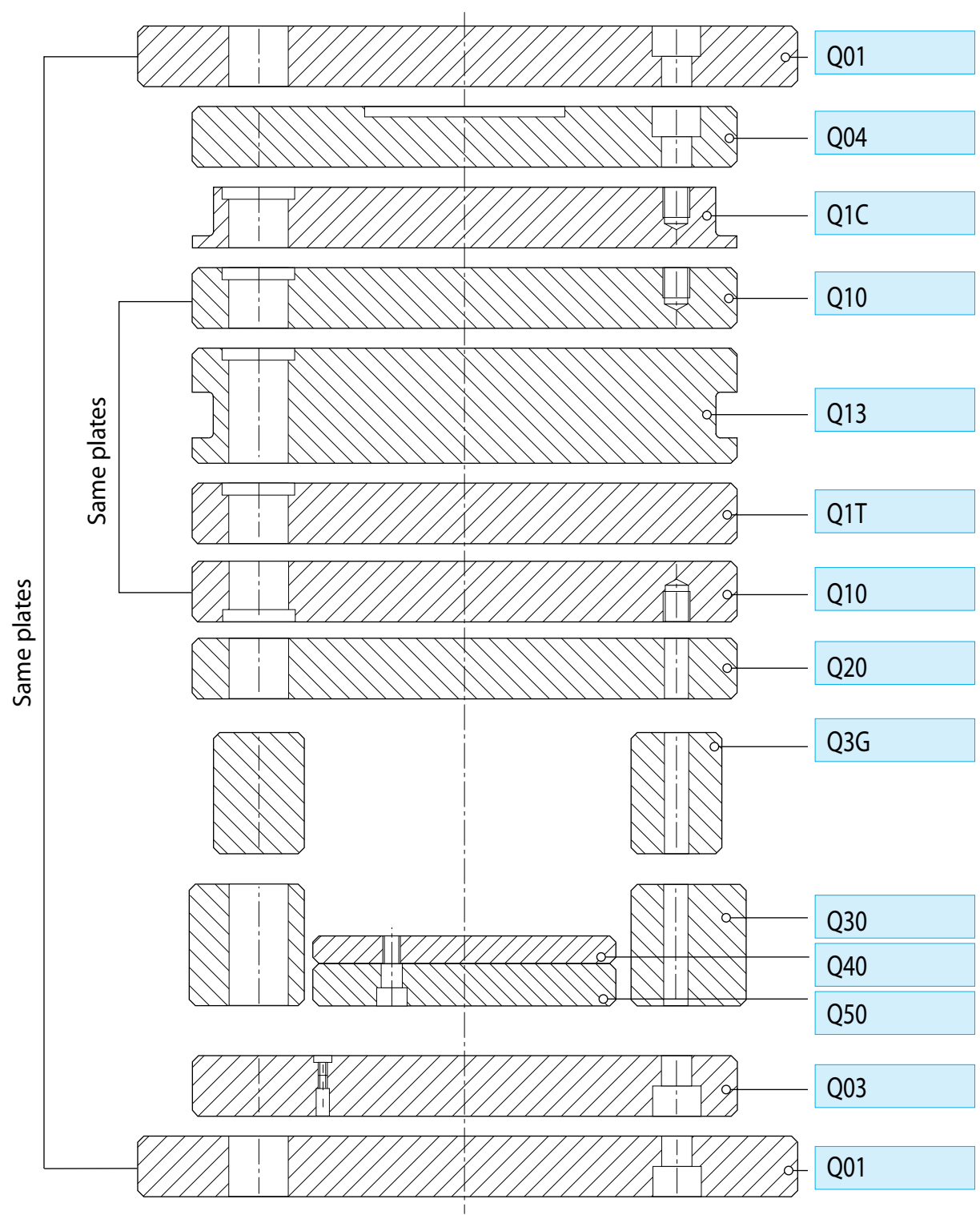


Quick Ship Basic	DME Euro Standard	DME standard	Description
Q01	L10	N01	Oversize clamping plate (width)
Q10	L35	N10	Mold plate
Q20	L45	N20	Support plate
Q30	L50	N30	Risers
Q40	L55	N40	Ejector retainer plate
Q50	L60	N50	Ejector plate
QR2	R02	FSC	Leader pin with centrehead
QR1	R01	FSN	Leader pin
QR4	R04	FBC	Bushings with centrehead
QR3	R03	FBN	Bushings
QR5	R05	TD	Locating sleeves
QM	M	M	Screws



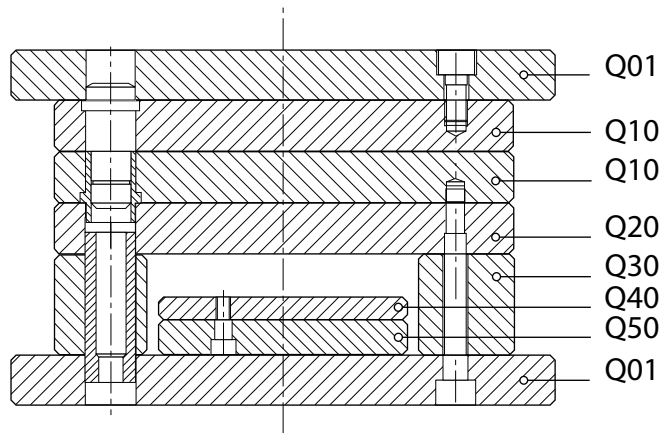
Plates denomination

Info

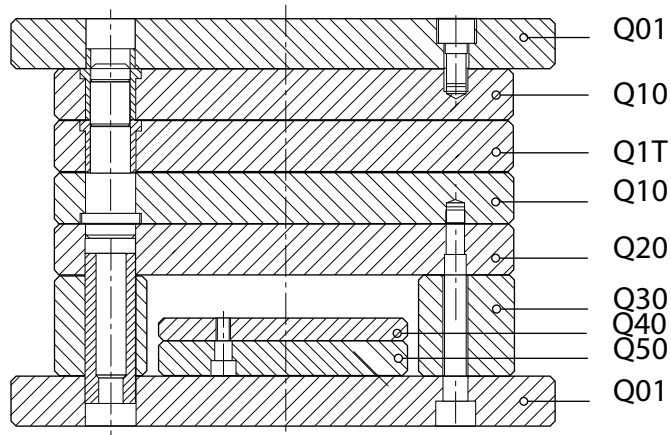


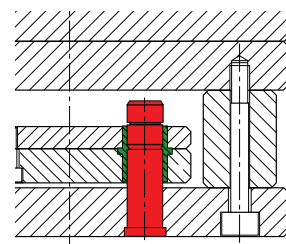
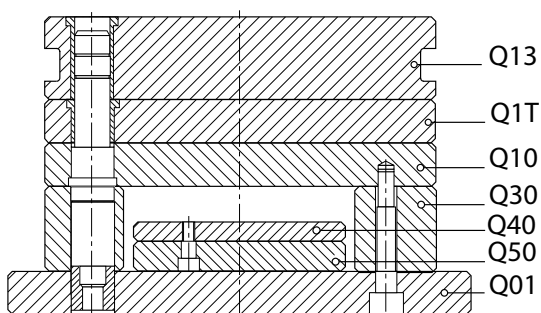
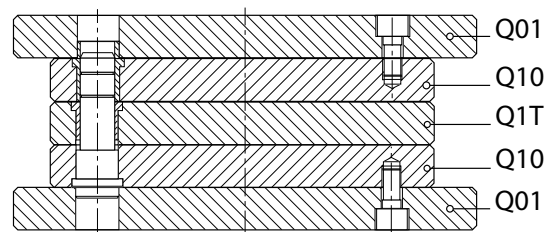
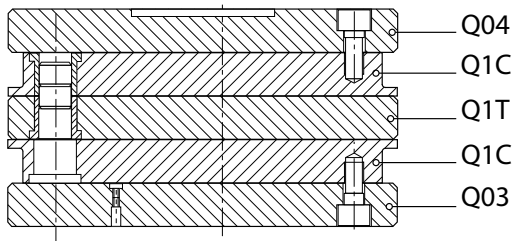
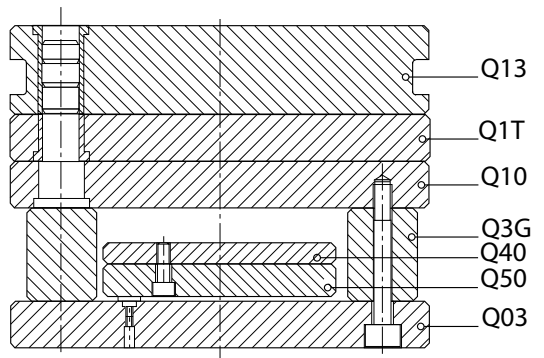
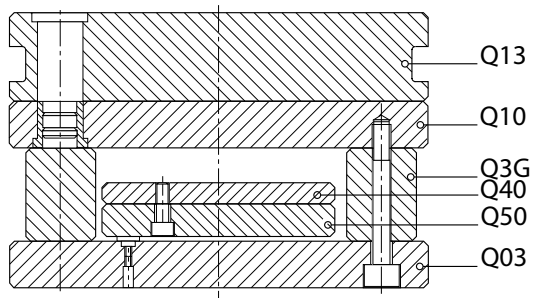
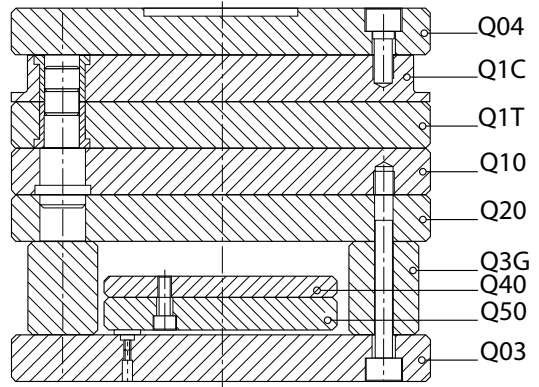
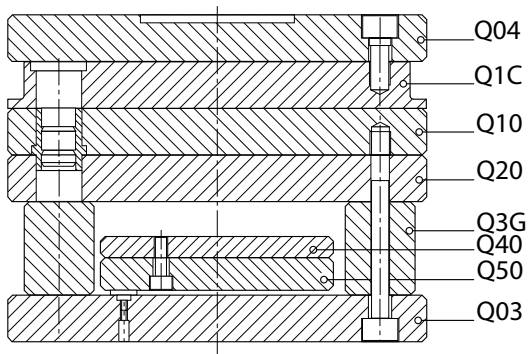


Basic set

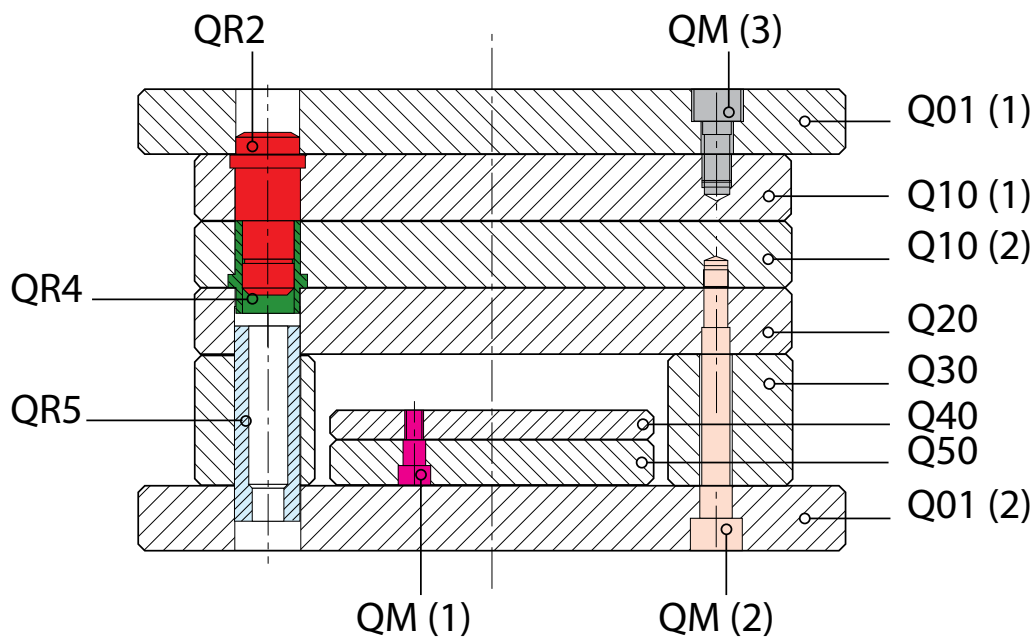


Basic set incl. stripper plate





See page 118



	REF	Item	Ordering example	pcs
(1)	Q01	Q01 - W - L - S - Steel	Q01 156 156 022 1730	1
(1)	Q10	Q10 - W - L - S - Steel	Q10 156 156 036 TOOLOX 33	1
(2)	Q10	Q10 - W - L - S - Steel	Q10 156 156 046 TOOLOX 33	1
	Q20	Q20 - W - L - S - Steel	Q20 156 156 026 1730	1
	Q30	Q30 - W - L - S - Steel	Q30 156 156 057 1730	2
	Q40	Q40 - W - L - S - Steel	Q40 156 156 012 1730	1
	Q50	Q50 - W - L - S - Steel	Q50 156 156 018 1730	1
(2)	Q01	Q01 - W - L - S - Steel	Q01 156 156 022 1730	1
	QR2	QR2 - D1 - L1 - L	QR2 016 036 080	4
	QR4	QR4 - D1 - L	QR4 016 046	4
	QR5	QR5 - D2 - L	QR5 022 080	4
	QM(1)	QM - M - L	QM 008 025	2
	QM(2)	QM - M - L	QM 010 110	4
	QM(3)	QM - M - L	QM 010 025	4



Toolox 33

TOOLOX 33 is a new steel delivered quenched and tempered with high impact toughness and very low residual stresses to get good dimensional stability.

TOOLOX 33 has a low carbide content, and is therefore excellent to machine.

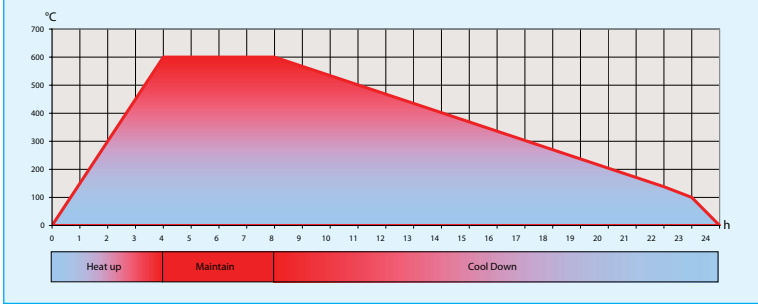
TOOLOX 33 is suitable for plastic molding, for rubber molding and machine components. With proper surface treatment, the service life of the tool/component can be prolonged.

More info see www.toolox.com



Stress relieved steel 1.1730

This heating process removes the inherent stress properties in steel, thereby improving machine ability and allowing us to grind parts to higher flatness standards. Steel is delivered from the most famous European steel mills and is being stress-relieved in house with great care. Thanks to the temperature being maintained for a long time and slow cooling of the oven at a rate of 35° C/h we obtain the best results.



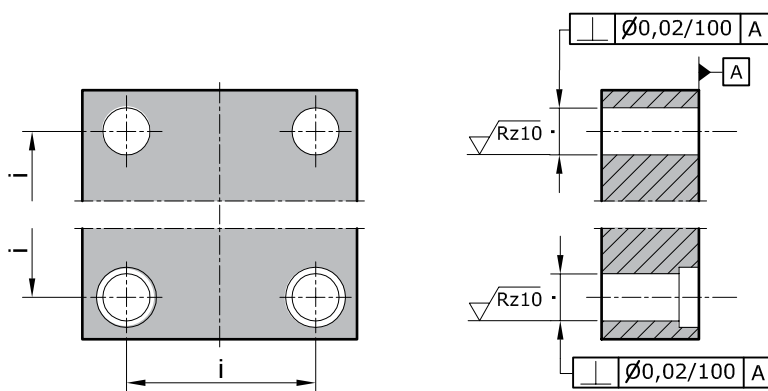


Dimensions of the standard molds

X / Y	156	196	246	296	346	396	446	496	546	596
156	●									
196		●								
246			●							
296				●						
346					●					
396						●				
446							●			
								●		
									●	
										●

● In stock

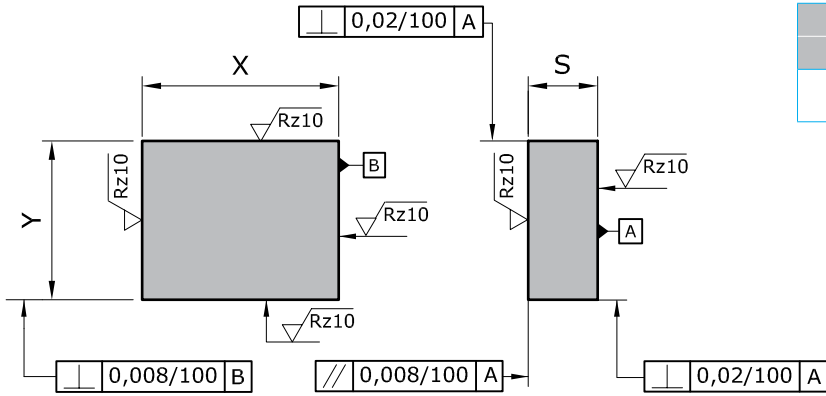
Tolerances



i	mm	μm
i	> 100 ≤ 125	± 10
	> 125 ≤ 160	± 11
	> 160 ≤ 200	± 12
	> 200 ≤ 250	± 13
	> 250 ≤ 315	± 15
	> 315 ≤ 400	± 16
	> 400 ≤ 500	± 17
	> 500 ≤ 630	± 19

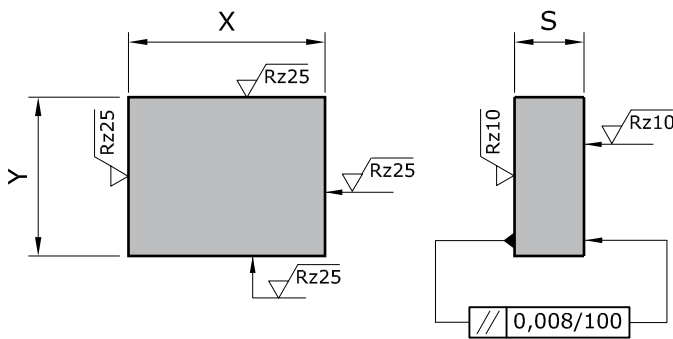


Tolerances plates



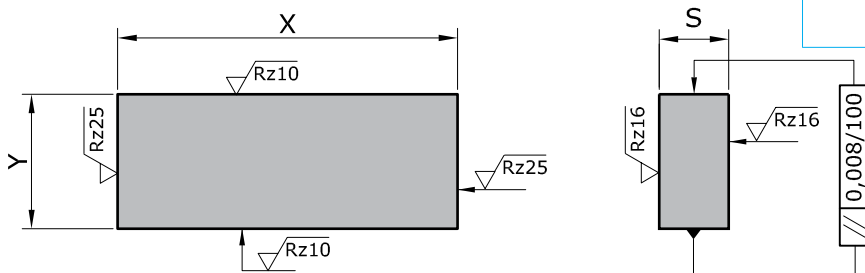
Q1C, Q10, Q13, Q1T, Q20		
X	Y	S
+0,02	+0,02	+0,03
-0,02	-0,02	-0,00

Tolerances plates



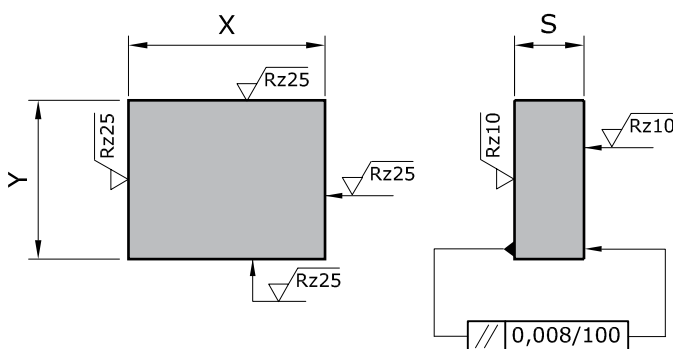
Q01, Q04, Q03		
X	Y	S
+0,2	+0,2	+0,03
-0,2	-0,2	-0,00

Tolerances plates



Q30, Q3G		
X	Y	S
+0,2	+0,02	+0,1
-0,2	-0	-0,1

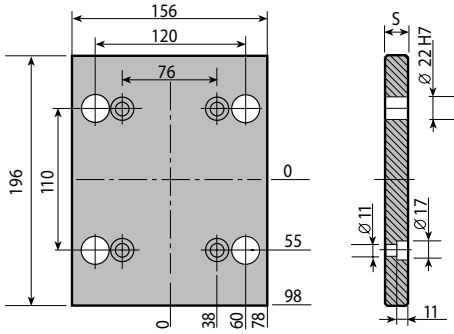
Tolerances plates



Q40		
X	Y	S
+0,2	+0,2	+0,02
-0,2	-0,2	-0,02



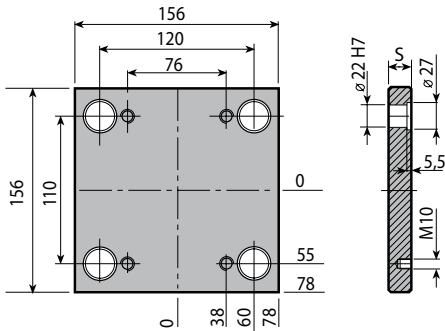
Q01



Mat.	S		
	22	26	36
1730	●		

Q01 156 156 022 1730

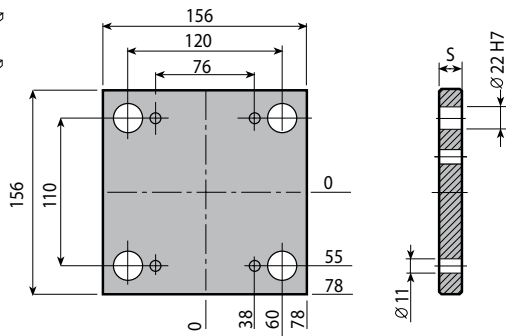
Q10



Mat.	S									
	22	26	36	46	56	66	76	96	106	
1730	●	●	●	●	●	●	●			
Toolox 33	●	●	●	●	●	●	●			

Q10 156 156 022 1730

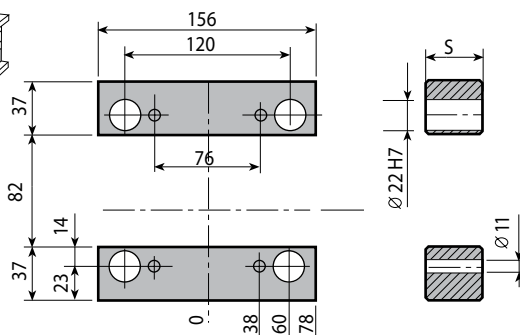
Q20



Mat.	S		
	26	36	46
1730	●		

Q20 156 156 026 1730

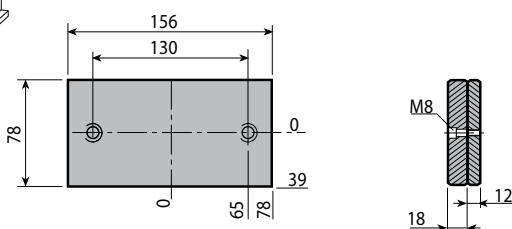
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●			

Q30 156 156 057 1730

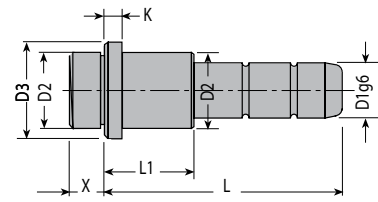
Q40 / Q50



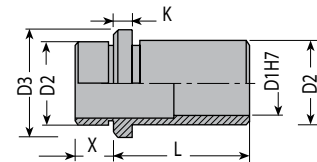
Q40 156 156 022 1730


Leader pins Mat.: UNI 16 Ni Cr 4
QR2

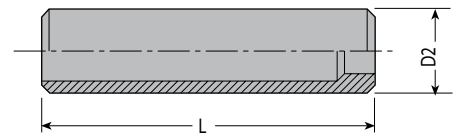
D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
16	22	26	5	10	22	•	•	•	•														
					26	•	•																
					36		•	•	•	•	•												
					46			•	•	•	•	•											
					56				•	•	•	•	•	•	•	•							
					66					•	•	•	•	•	•	•	•	•					
					76							•	•	•	•	•	•	•	•				
					96									•	•	•	•	•	•				


QR2 016 022 050
Bushing Mat.: UNI 16 Ni Cr 4
QR4

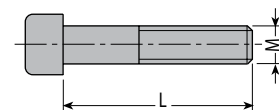
D1	D2	D3	K	X	L = Length													
					22	26	36	46	56	66	76	96						
16	22	26	5	10	•	•	•	•	•	•	•	•						


QR4 016 022
Bushing Mat.: UNI 16 Ni Cr 4
QR5

D2	L = Length					
	30	80	100	120	140	
22	•	•	•	•	•	

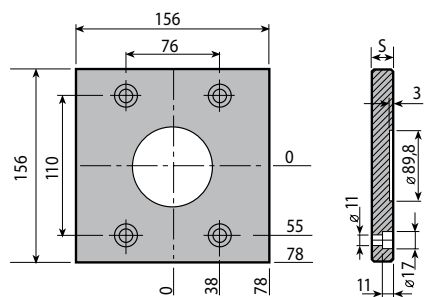

QR5 022 030
Screw Mat.: DIN 912 / 12.9
QM

M	L = Length																					
	16	18	20	25	30	35	40	45	55	60	70	80	90	100	110	120	130	140	150	160	180	
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	


QM 010 016



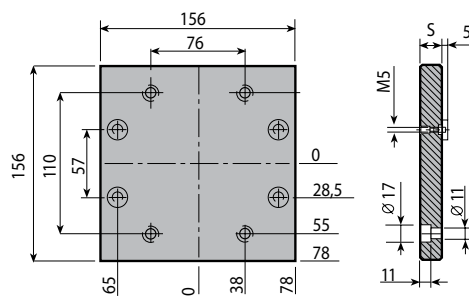
Q04



Mat.	S		
	22	26	36
1730	●		

Q04 156 156 022 1730

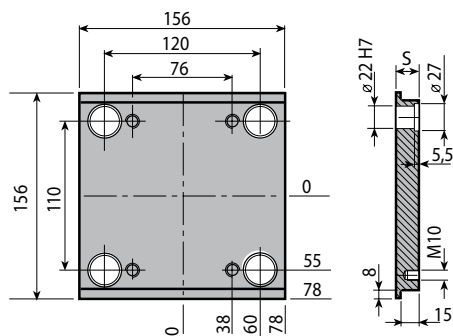
Q03



Mat.	S		
	22	26	36
1730	●		

Q03 156 156 022 1730

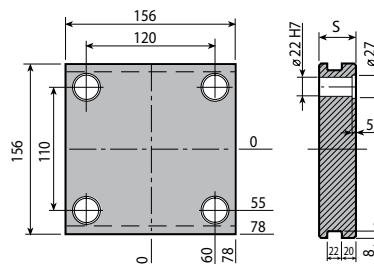
Q1C



Mat.	S									
	22	26	36	46	56	66	76	96	106	
1730	●	●	●	●						
Toolox 33	●	●	●	●						

Q1C 156 156 022 1730

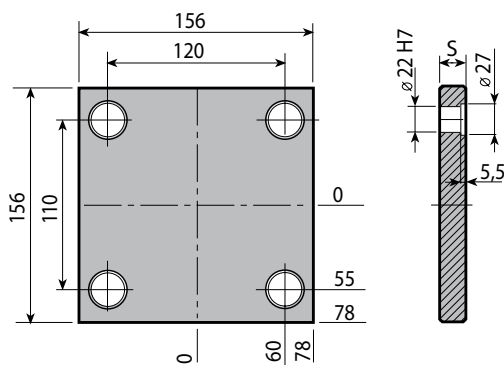
Q13



Mat.	S									
	22	26	36	46	56	66	76	96	106	
1730				●	●	●	●			
Toolox 33				●	●	●	●			

Q13 156 156 022 1730

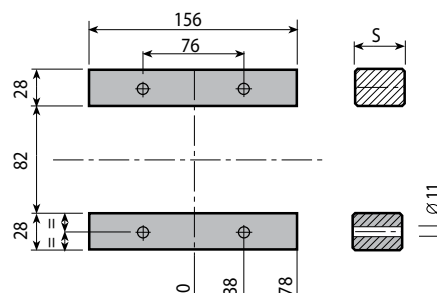
Q1T



Mat.	S									
	22	26	36	46	56	66	76	96	106	
1730	●	●	●	●	●	●	●			
Toolox 33	●	●	●	●	●	●	●			

Q1T 156 156 022 1730

Q3G

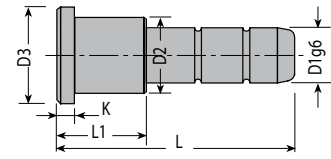


Mat.	S				
	57	77	97	117	147
1730	●	●			

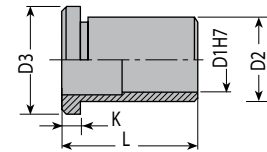
Q3G 156 156 057 1730


Leader pins Mat.: UNI 16 Ni Cr 4
QR1

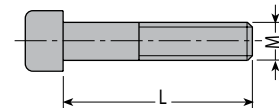
D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
16	22	26	5	10	22	•	•	•	•														
					26	•	•																
					36			•	•	•	•												
					46				•	•	•	•											
					56					•	•	•	•	•	•	•							
					66							•	•	•	•	•	•	•					
					76									•	•	•	•	•					
					96											•	•	•	•				


QR1 016 022 050
Bushing Mat.: UNI 16 Ni Cr 4
QR3

D1	D2	D3	K	L = Length											
				22	26	36	46	56	66	76	96				
16	22	26	5	•	•	•	•	•	•	•	•				

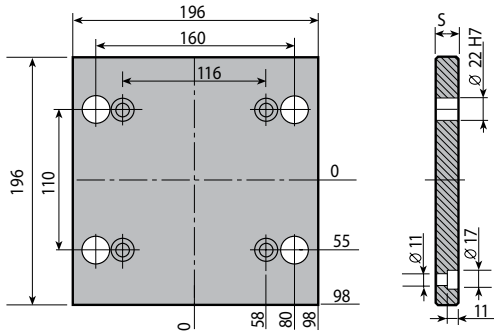

QR3 016 022
Screw Mat.: DIN 912 / 12.9
QM

M	L = Length																								
	16	18	20	25	30	35	40	45	55	60	70	80	90	100	110	120	130	140	150	160	180				
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				


QM 010 016



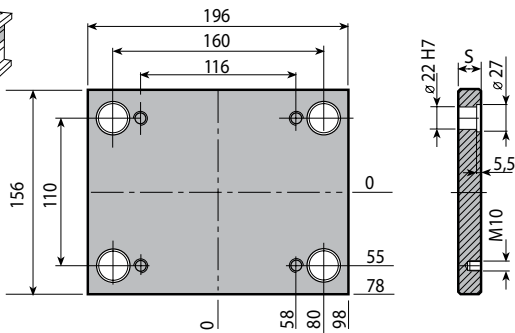
Q01



Mat.	S		
	22	26	36
1730	●		

Q01 156 196 022 1730

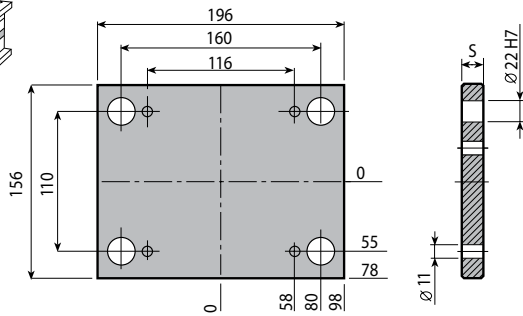
Q10



Mat.	S									
	22	26	36	46	56	66	76	96	106	
1730	●	●	●	●	●	●	●			
Toolox 33	●	●	●	●	●	●	●			

Q10 156 196 022 1730

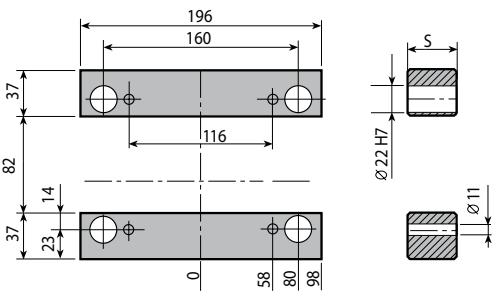
Q20



Mat.	S		
	26	36	46
1730	●		

Q20 156 196 026 1730

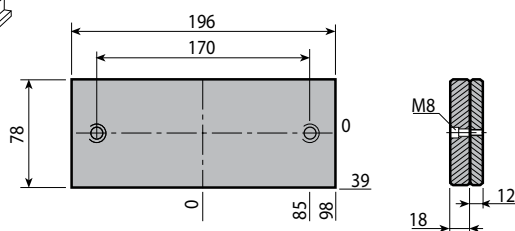
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●			

Q30 156 196 057 1730

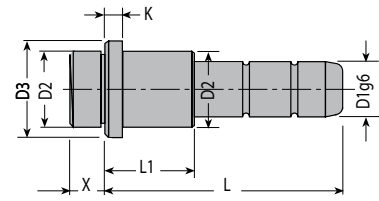
Q40 / Q50



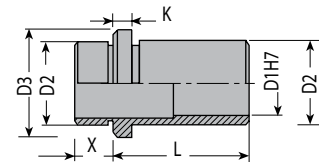
Q40 156 196 022 1730


Leader pins Mat.: UNI 16 Ni Cr 4
QR2

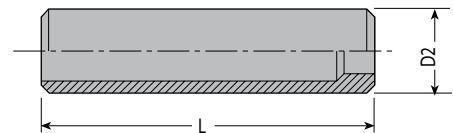
D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
16	22	26	5	10	22	•	•	•	•														
					26	•	•																
					36		•	•	•	•	•												
					46			•	•	•	•	•											
					56				•	•	•	•	•	•	•	•							
					66						•	•	•	•	•	•	•	•	•				
					76								•	•	•	•	•	•	•				
					96										•	•	•	•	•				


QR2 016 022 050
Bushing Mat.: UNI 16 Ni Cr 4
QR4

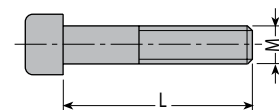
D1	D2	D3	K	X	L = Length													
					22	26	36	46	56	66	76	96						
16	22	26	5	10	•	•	•	•	•	•	•	•						


QR4 016 022
Bushing Mat.: UNI 16 Ni Cr 4
QR5

D2	L = Length																	
	30	80	100	120	140													
22	•	•	•	•	•													

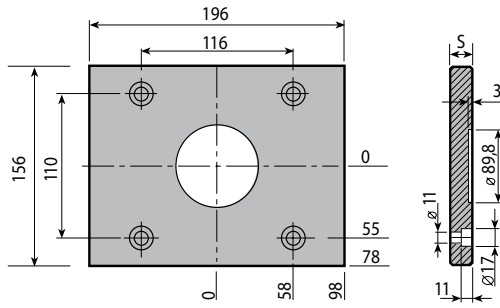

QR5 022 030
Screw Mat.: DIN 912 / 12.9
QM

M	L = Length																					
	16	18	20	25	30	35	40	45	55	60	70	80	90	100	110	120	130	140	150	160	180	
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•


QM 010 016



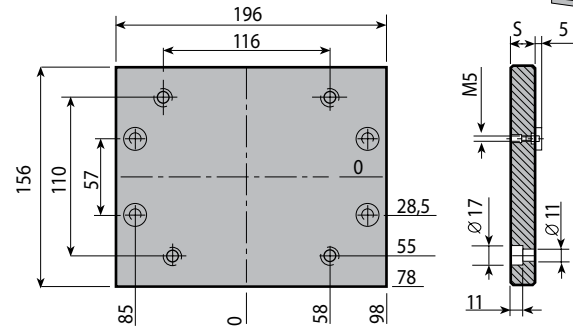
Q04



Mat.	S		
	22	26	36
1730	●		

Q04 156 196 022 1730

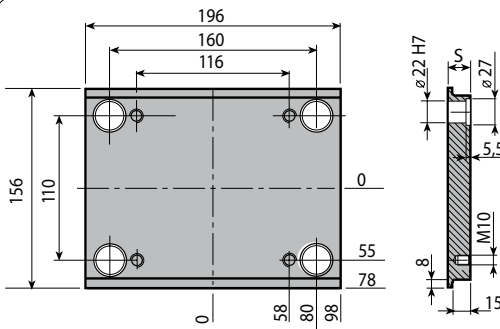
Q03



Mat.	S		
	22	26	36
1730	●		

Q03 156 196 022 1730

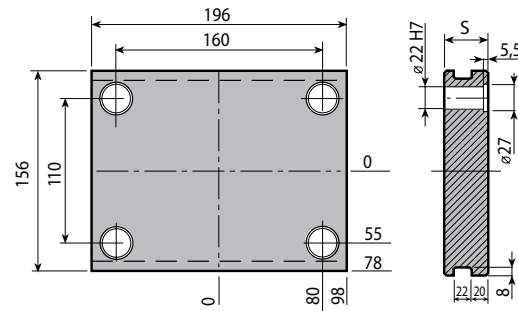
Q1C



Mat.	S								
	22	26	36	46	56	66	76	96	106
1730	●	●	●	●					
Toolox 33	●	●	●	●					

Q1C 156 196 022 1730

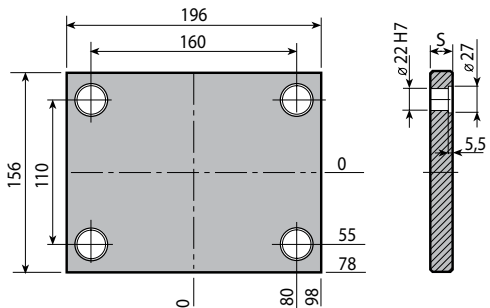
Q13



Mat.	S								
	22	26	36	46	56	66	76	96	106
1730				●	●	●	●		
Toolox 33				●	●	●	●		

Q13 156 196 046 1730

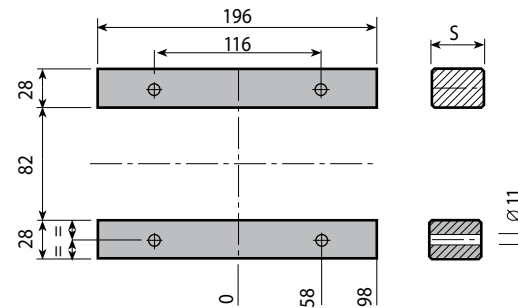
Q1T



Mat.	S								
	22	26	36	46	56	66	76	96	106
1730	●	●	●	●	●	●	●		
Toolox 33	●	●	●	●	●	●	●		

Q1T 156 196 022 1730

Q3G

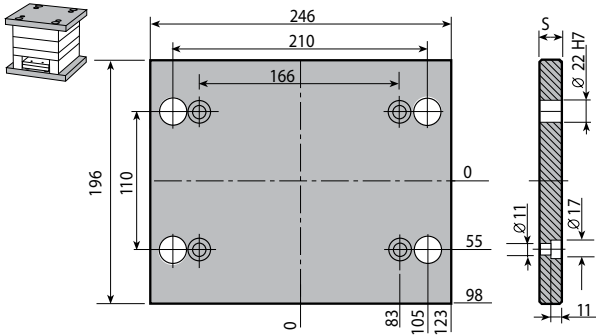


Mat.	S				
	57	77	97	117	147
1730	●	●			

Q3G 156 196 057 1730



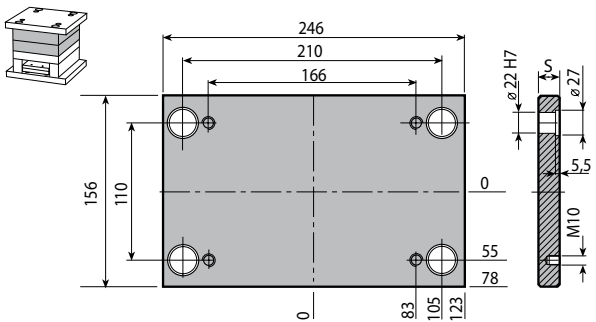
Q01



Mat.	S		
	22	26	36
1730	●		

Q01 156 246 022 1730

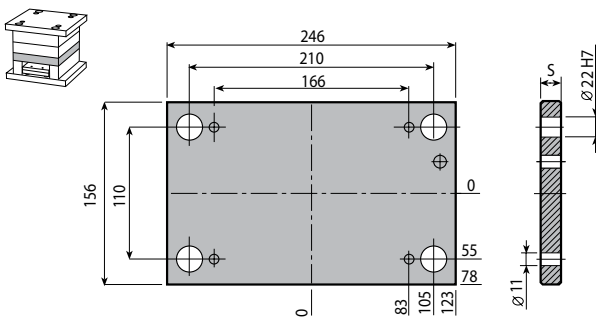
Q10



Mat.	S									
	22	26	36	46	56	66	76	96	106	
1730	●	●	●	●	●	●	●			
Toolox 33	●	●	●	●	●	●	●			

Q10 156 246 022 1730

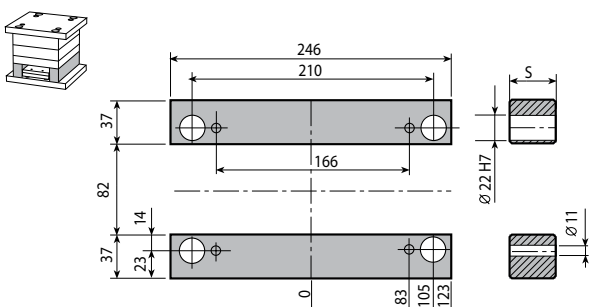
Q20



Mat.	S		
	26	36	46
1730	●		

Q20 156 246 026 1730

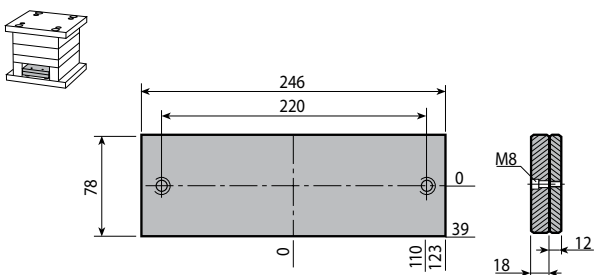
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●			

Q30 156 246 057 1730

Q40 / Q50



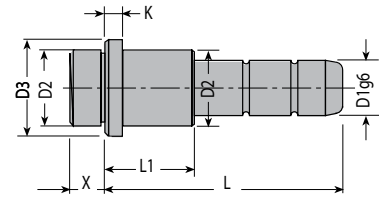
Q40 156 246 022 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR2

D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
16	22	26	5	10	22	•	•	•	•														
					26	•	•																
					36		•	•	•	•	•												
					46			•	•	•	•	•											
					56				•	•	•	•	•	•	•	•							
					66						•	•	•	•	•	•	•	•					
					76								•	•	•	•	•	•					
					96										•	•	•	•					

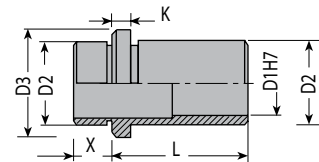


QR2 016 022 050

Bushing Mat.: UNI 16 Ni Cr 4

QR4

D1	D2	D3	K	X	L = Length													
					22	26	36	46	56	66	76	96						
16	22	26	5	10	•	•	•	•	•	•	•	•						

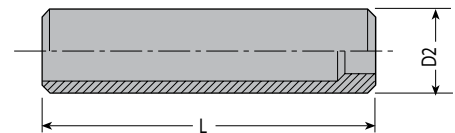


QR4 016 022

Bushing Mat.: UNI 16 Ni Cr 4

QR5

D2	L = Length					
	30	80	100	120	140	
22	•	•	•	•	•	

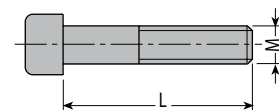


QR5 022 030

Screw Mat.: DIN 912 / 12.9

QM

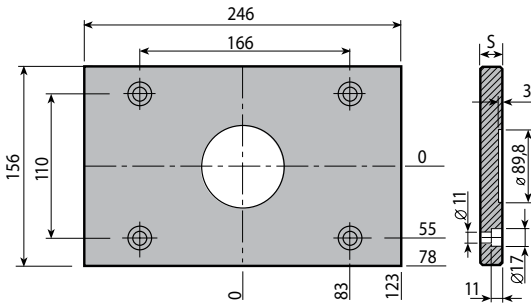
M	L = Length																						
	16	18	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180	
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	



QM 010 016



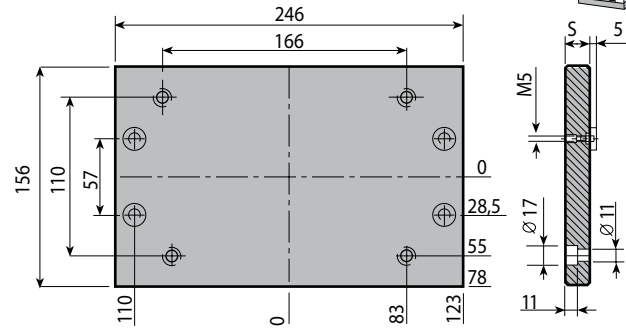
Q04



Mat.	S		
	22	26	36
1730	●		

Q04 156 246 022 1730

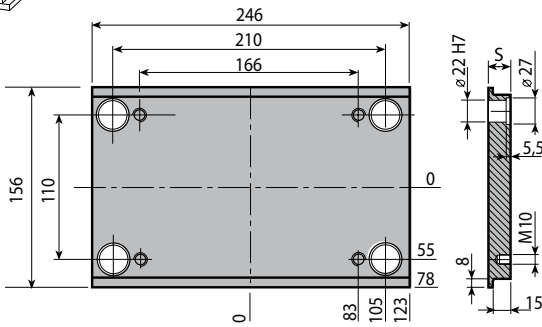
Q03



Mat.	S		
	22	26	36
1730	●		

Q03 156 246 022 1730

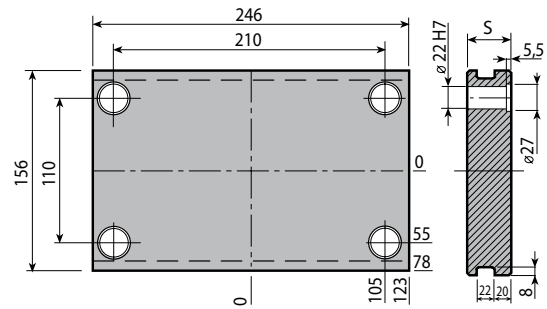
Q1C



Mat.	S								
	22	26	36	46	56	66	76	96	106
1730	●	●	●	●					
Toolox 33	●	●	●	●					

Q1C 156 246 022 1730

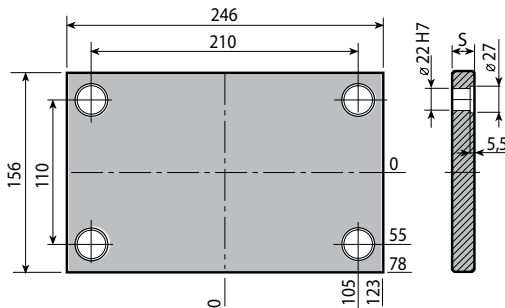
Q13



Mat.	S								
	22	26	36	46	56	66	76	96	106
1730				●	●	●	●		
Toolox 33				●	●	●	●		

Q13 156 246 046 1730

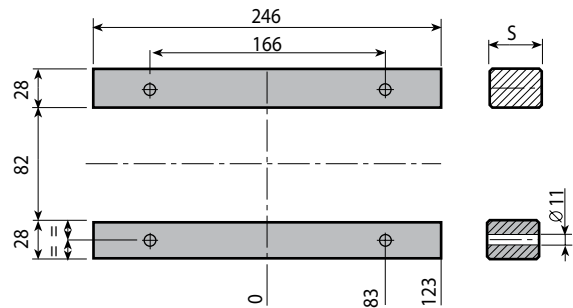
Q1T



Mat.	S								
	22	26	36	46	56	66	76	96	106
1730	●	●	●	●	●	●	●		
Toolox 33	●	●	●	●	●	●	●		

Q1T 156 246 022 1730

Q3G



Mat.	S				
	57	77	97	117	147
1730	●	●			

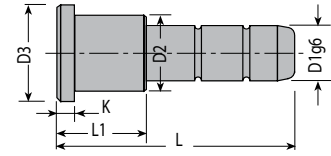
Q3G 156 246 057 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR1

D1	D2	D3	K	X	L1	L = Length																
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340
16	22	26	5	10	22	•	•	•	•													
					26	•	•															
					36			•	•	•	•											
					46				•	•	•	•										
					56					•	•	•	•	•	•	•						
					66							•	•	•	•	•	•	•				
					76									•	•	•	•	•				
					96										•	•	•	•				

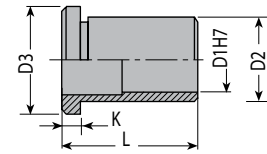


QR1 016 022 050

Bushing Mat.: UNI 16 Ni Cr 4

QR3

D1	D2	D3	K	L = Length										
				22	26	36	46	56	66	76	96			
16	22	26	5	•	•	•	•	•	•	•				

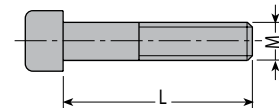


QR3 016 022

Screw Mat.: DIN 912 / 12.9

QM

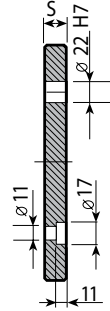
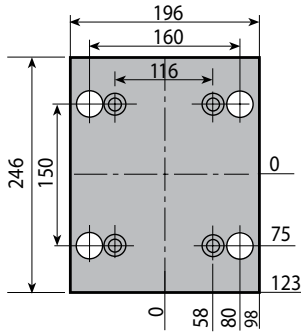
M	L = Length																					
	16	18	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



QM 010 016



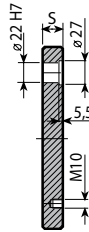
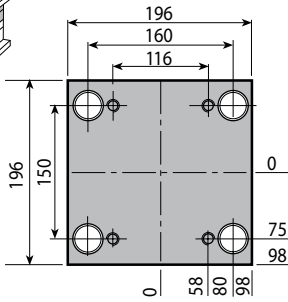
Q01



Mat.	S		
	22	26	36
1730	●		

Q01 196 196 022 1730

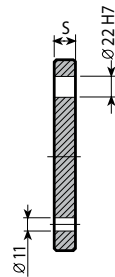
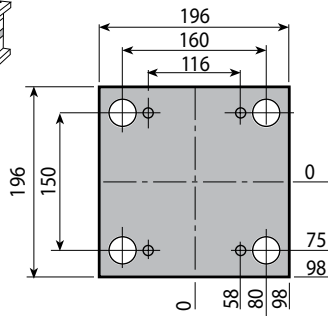
Q10



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		
Toolox 33	●	●	●	●	●	●	●		

Q10 196 196 026 1730

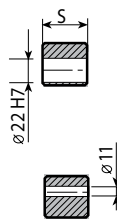
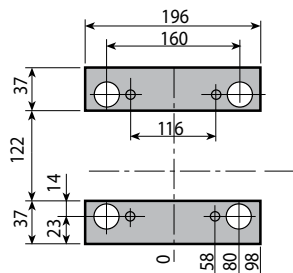
Q20



Mat.	S		
	26	36	46
1730	●		

Q20 196 196 026 1730

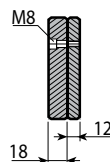
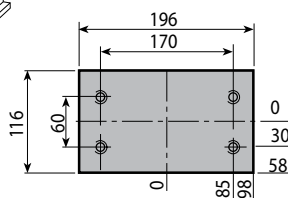
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

Q30 196 196 057 1730

Q40 / Q50



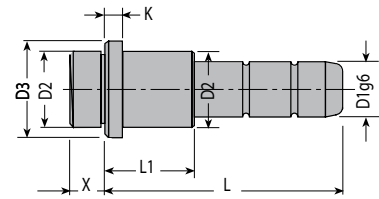
Q40 196 196 022 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR2

D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
16	22	26	5	10	22	•	•	•	•														
					26	•	•																
					36		•	•	•	•	•												
					46			•	•	•	•	•											
					56				•	•	•	•	•	•	•	•							
					66						•	•	•	•	•	•	•	•					
					76								•	•	•	•	•	•					
					96										•	•	•	•					

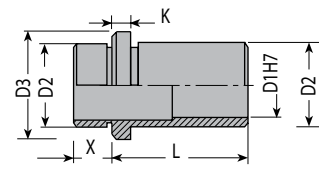


QR2 016 022 050

Bushing Mat.: UNI 16 Ni Cr 4

QR4

D1	D2	D3	K	X	L = Length													
					22	26	36	46	56	66	76	96						
16	22	26	5	10	•	•	•	•	•	•	•	•						

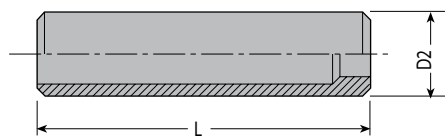


QR4 016 022

Bushing Mat.: UNI 16 Ni Cr 4

QR5

D2	L = Length				
	30	80	100	120	140
22	•	•	•	•	•

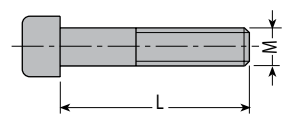


QR5 022 030

Screw Mat.: DIN 912 / 12.9

QM

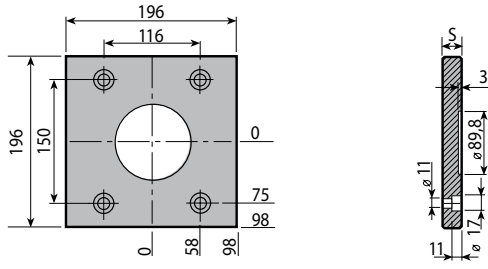
M	L = Length																						
	16	18	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180	
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



QM 010 016



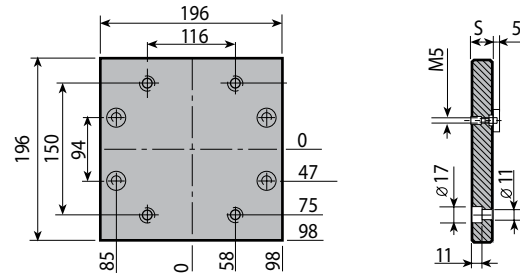
Q04



Mat.	S		
	22	26	36
1730	●		

Q04 196 196 022 1730

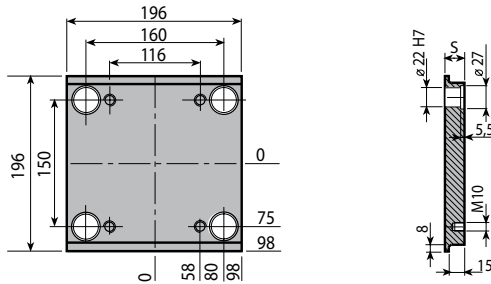
Q03



Mat.	S		
	22	26	36
1730	●		

Q03 196 196 022 1730

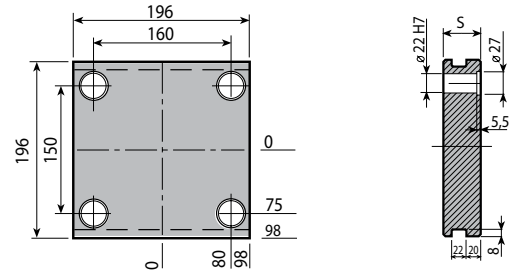
Q1C



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●					
Toolox 33	●	●	●	●					

Q1C 196 196 026 1730

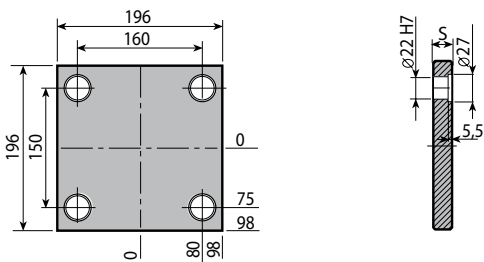
Q13



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730			●	●	●	●	●		
Toolox 33			●	●	●	●	●		

Q13 196 196 046 1730

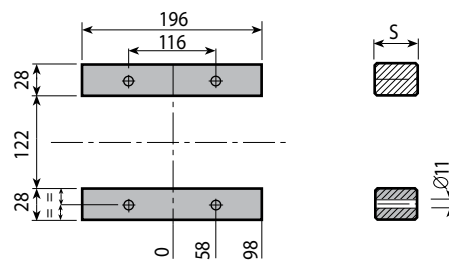
Q1T



Mat.	S								
	22	26	36	46	56	66	76	96	106
1730	●	●	●	●	●	●	●	●	
Toolox 33	●	●	●	●	●	●	●	●	

Q1T 196 196 022 1730

Q3G



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

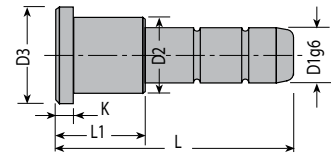
Q3G 196 196 057 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR1

D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
16	22	26	5	10	22	•	•	•	•														
					26	•	•		•	•	•	•											
					36			•	•	•	•	•											
					46			•	•	•	•	•											
					56				•	•	•	•	•	•	•	•	•						
					66					•	•	•	•	•	•	•	•	•					
					76							•	•	•	•	•	•	•					
					96									•	•	•	•	•					

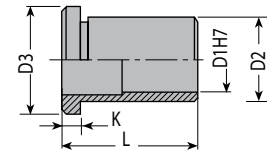


QR1 016 022 050

Bushing Mat.: UNI 16 Ni Cr 4

QR3

D1	D2	D3	K	L = Length											
				22	26	36	46	56	66	76	96				
16	22	26	5	•	•	•	•	•	•	•	•				

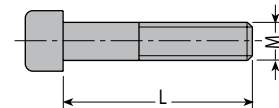


QR3 016 022

Screw Mat.: DIN 912 / 12.9

QM

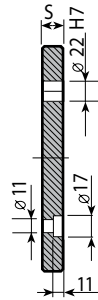
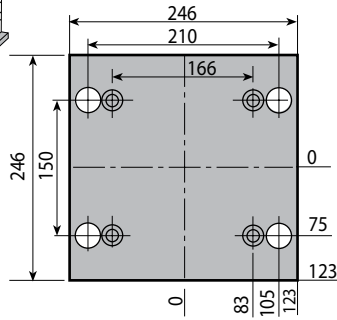
M	L = Length																							
	16	18	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180		
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		



QM 010 016



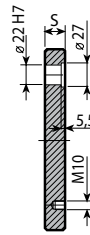
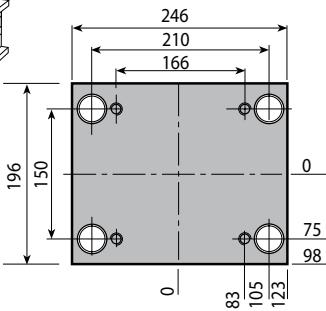
Q01



Mat.	S		
	22	26	36
1730	●		

Q01 196 246 022 1730

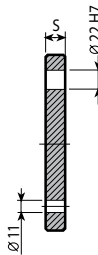
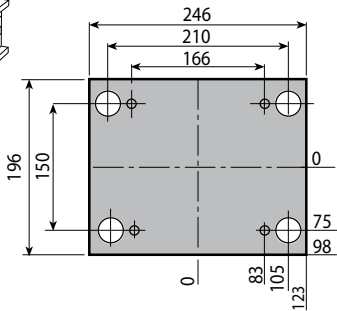
Q10



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		
Toolox 33	●	●	●	●	●	●	●		

Q10 196 246 026 1730

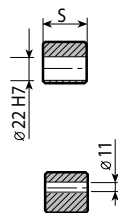
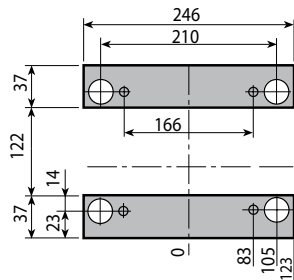
Q20



Mat.	S		
	26	36	46
1730	●		

Q20 196 246 026 1730

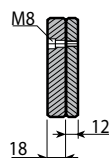
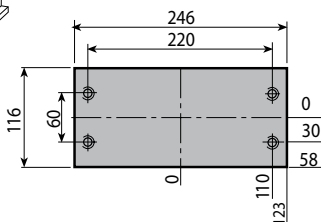
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

Q30 196 246 057 1730

Q40 / Q50



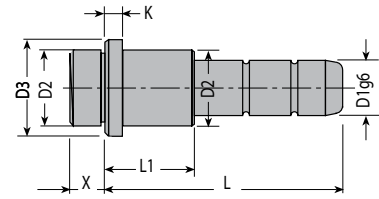
Q40 196 246 022 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR2

D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
16	22	26	5	10	22	•	•	•	•														
					26	•	•																
					36		•	•	•	•	•												
					46			•	•	•	•	•											
					56				•	•	•	•	•	•	•	•							
					66						•	•	•	•	•	•	•	•					
					76								•	•	•	•	•	•					
					96										•	•	•	•					

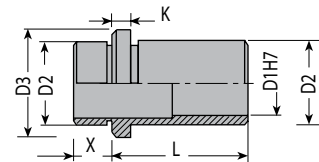


QR2 016 022 050

Bushing Mat.: UNI 16 Ni Cr 4

QR4

D1	D2	D3	K	X	L = Length													
					22	26	36	46	56	66	76	96						
16	22	26	5	10	•	•	•	•	•	•	•	•						

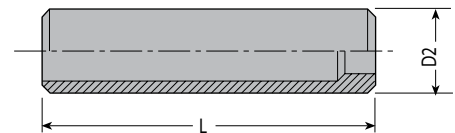


QR4 016 022

Bushing Mat.: UNI 16 Ni Cr 4

QR5

D2	L = Length					
	30	80	100	120	140	
22	•	•	•	•	•	

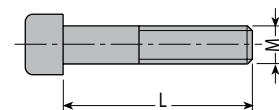


QR5 022 030

Screw Mat.: DIN 912 / 12.9

QM

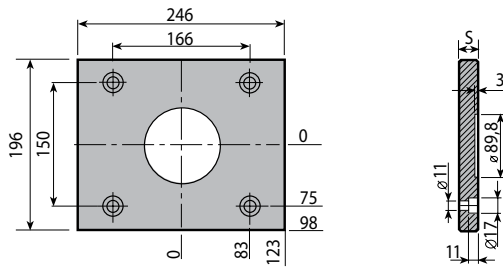
M	L = Length																						
	16	18	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180	
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	



QM 010 016



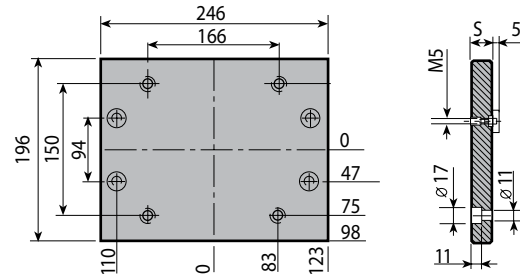
Q04



Mat.	S		
	22	26	36
1730	●		

Q04 196 246 022 1730

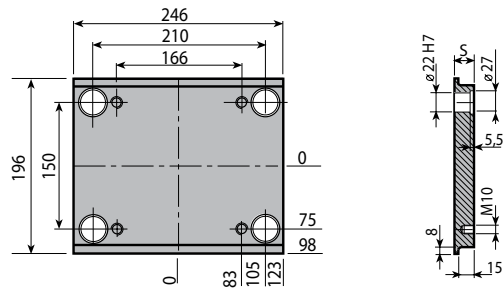
Q03



Mat.	S		
	22	26	36
1730	●		

Q03 196 246 022 1730

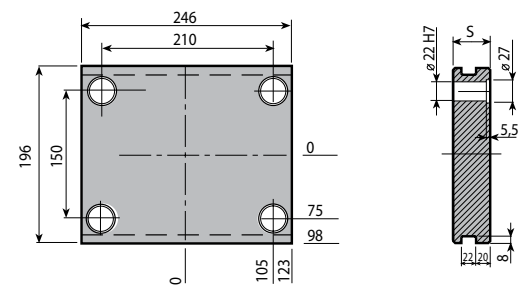
Q1C



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●					
Toolox 33	●	●	●	●					

Q1C 196 246 022 1730

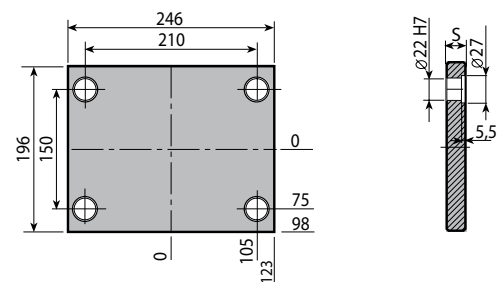
Q13



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730			●	●	●	●	●		
Toolox 33			●	●	●	●	●		

Q13 196 246 022 1730

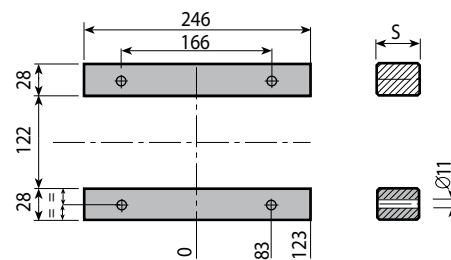
Q1T



Mat.	S								
	22	26	36	46	56	66	76	96	106
1730	●	●	●	●	●	●	●	●	
Toolox 33	●	●	●	●	●	●	●	●	

Q1T 196 246 022 1730

Q3G



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

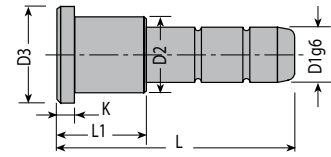
Q3G 196 246 057 1730



Leader pins Mat.: UNI 16 Ni Cr 4

D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
16	22	26	5	10	22	•	•	•	•														
					26	•	•																
					36			•	•	•	•	•											
					46				•	•	•	•	•										
					56					•	•	•	•	•	•	•	•						
					66							•	•	•	•	•	•	•	•				
					76									•	•	•	•	•	•				
					96										•	•	•	•	•				

QR1 016 022 050

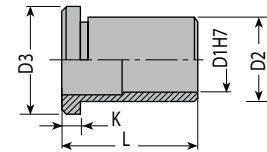


QR1

Bushing Mat.: UNI 16 Ni Cr 4

D1	D2	D3	K	L = Length											
				22	26	36	46	56	66	76	96				
16	22	26	5	•	•	•	•	•	•	•	•				

QR3 016 022

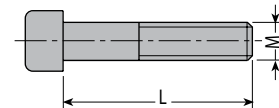


QR3

Screw Mat.: DIN 912 / 12.9

M	L = Length																						
	16	18	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180	
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	

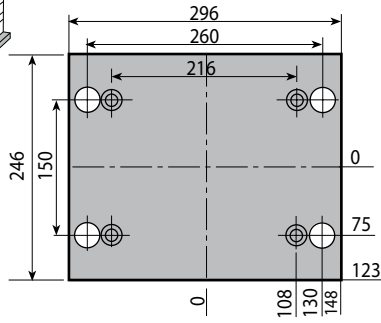
QM 010 016



QM



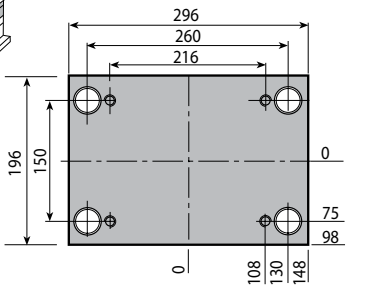
Q01



Mat.	S		
	22	26	36
1730	●		

Q01 196 296 022 1730

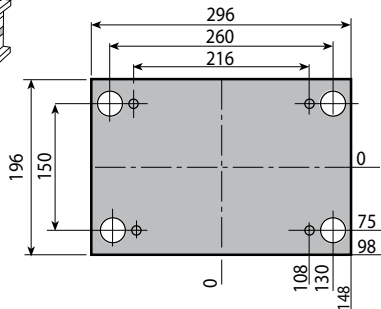
Q10



Mat.	S									
	26	36	46	56	66	76	96	106	116	
1730	●	●	●	●	●	●	●			
Toolox 33	●	●	●	●	●	●	●			

Q10 196 296 026 1730

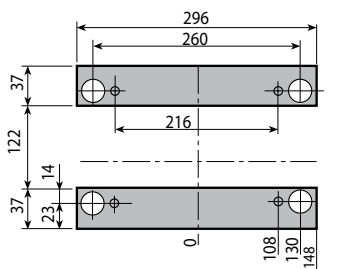
Q20



Mat.	S		
	26	36	46
1730	●		

Q20 196 296 026 1730

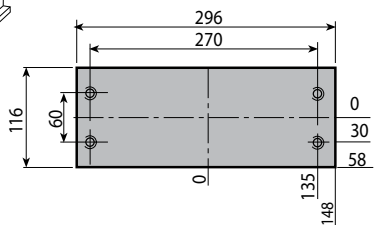
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

Q30 196 296 057 1730

Q40 / Q50



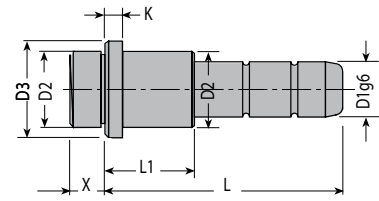
Q40 196 296 022 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR2

D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
16	22	26	5	10	22	•	•	•	•														
					26	•	•																
					36		•	•	•	•	•												
					46			•	•	•	•	•											
					56				•	•	•	•	•	•	•	•							
					66						•	•	•	•	•	•	•	•					
					76								•	•	•	•	•	•					
					96										•	•	•	•					

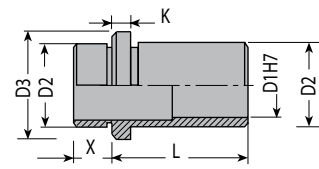


QR2 016 022 050

Bushing Mat.: UNI 16 Ni Cr 4

QR4

D1	D2	D3	K	X	L = Length													
					22	26	36	46	56	66	76	96						
16	22	26	5	10	•	•	•	•	•	•	•	•						

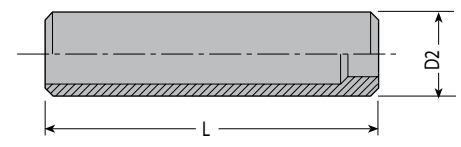


QR4 016 022

Bushing Mat.: UNI 16 Ni Cr 4

QR5

D2	L = Length				
	30	80	100	120	140
22	•	•	•	•	•

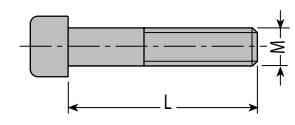


QR5 022 030

Screw Mat.: DIN 912 / 12.9

QM

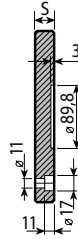
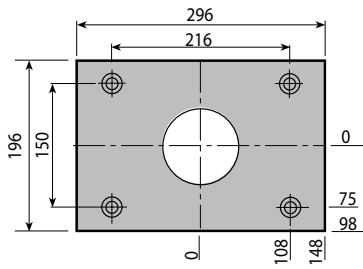
M	L = Length																						
	16	18	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180	
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



QM 010 016



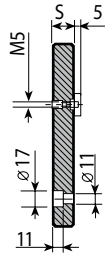
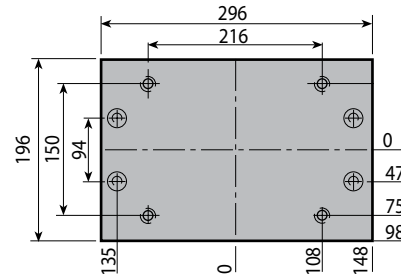
Q04



Mat.	S		
	22	26	36
1730	●		

Q04 196 296 022 1730

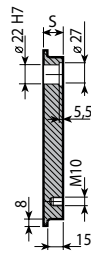
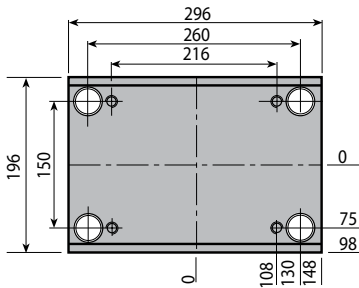
Q03



Mat.	S		
	22	26	36
1730	●		

Q03 196 296 022 1730

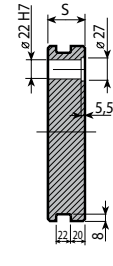
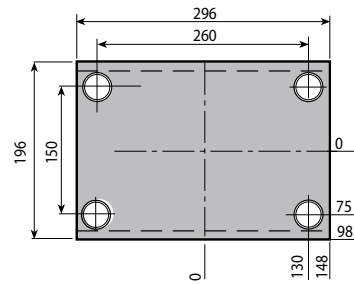
Q1C



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●					
Toolox 33	●	●	●	●					

Q1C 196 296 026 1730

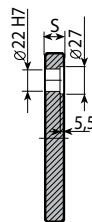
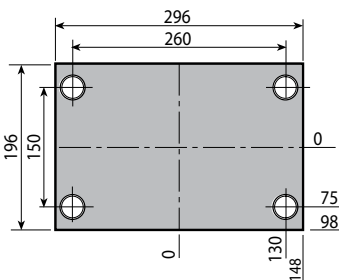
Q13



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730			●	●	●	●	●		
Toolox 33			●	●	●	●	●		

Q13 196 296 046 1730

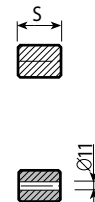
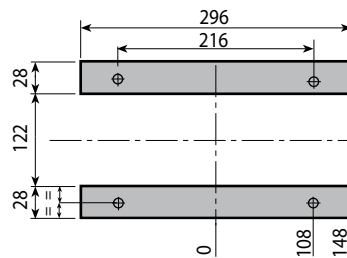
Q1T



Mat.	S								
	22	26	36	46	56	66	76	96	106
1730	●	●	●	●	●	●	●	●	
Toolox 33	●	●	●	●	●	●	●	●	

Q1T 196 246 022 1730

Q3G

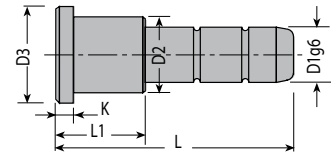


Mat.	S				
	57	77	97	117	147
1730	●	●	●		

Q3G 196 296 057 1730


Leader pins Mat.: UNI 16 Ni Cr 4
QR1

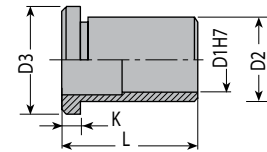
D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
16	22	26	5	10	22	•	•	•	•														
					26	•	•																
					36			•	•	•	•												
					46				•	•	•	•											
					56					•	•	•	•	•	•	•							
					66							•	•	•	•	•	•	•					
					76									•	•	•	•	•					
					96										•	•	•	•					



QR1 016 022 050

Bushing Mat.: UNI 16 Ni Cr 4
QR3

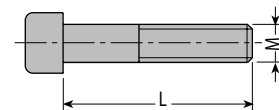
D1	D2	D3	K	L = Length											
				22	26	36	46	56	66	76	96				
16	22	26	5	•	•	•	•	•	•	•	•				



QR3 016 022

Screw Mat.: DIN 912 / 12.9
QM

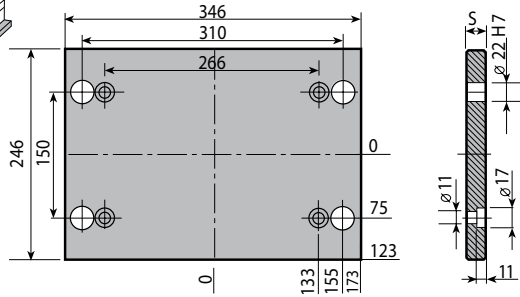
M	L = Length																							
	16	18	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180		
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		



QM 010 016



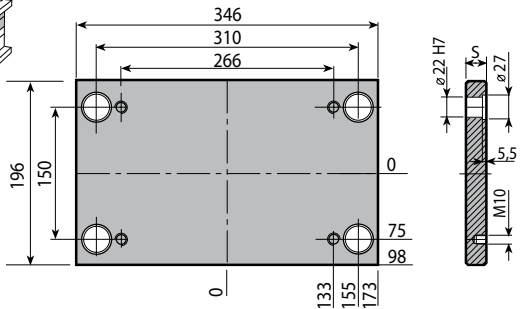
Q01



Mat.	S		
	22	26	36
1730	●		

Q01 196 346 022 1730

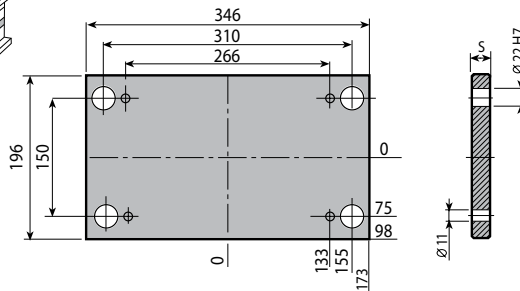
Q10



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		
Toolox 33	●	●	●	●	●	●	●		

Q10 196 346 026 1730

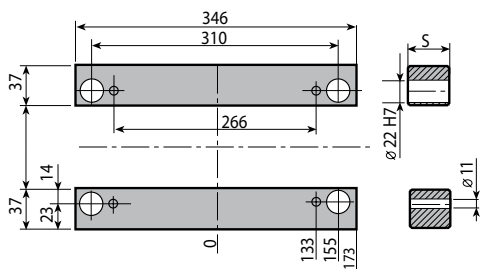
Q20



Mat.	S		
	26	36	46
1730	●		

Q20 196 346 026 1730

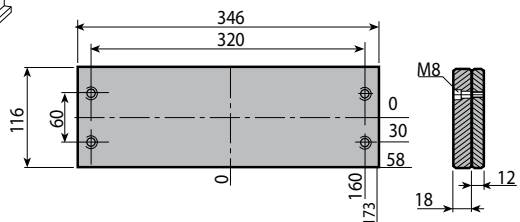
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

Q30 196 346 057 1730

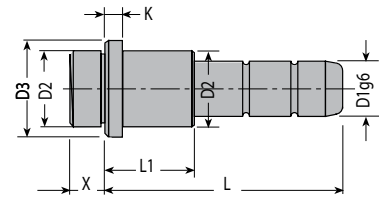
Q40 / Q50



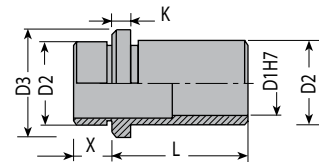
Q40 196 346 022 1730


Leader pins Mat.: UNI 16 Ni Cr 4
QR2

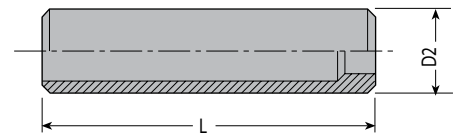
D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
16	22	26	5	10	22	•	•	•	•														
					26	•	•																
					36		•	•	•	•	•												
					46			•	•	•	•	•											
					56					•	•	•	•	•	•	•							
					66							•	•	•	•	•	•	•					
					76									•	•	•	•	•					
					96											•	•	•	•				


QR2 016 022 050
Bushing Mat.: UNI 16 Ni Cr 4
QR4

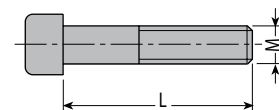
D1	D2	D3	K	X	L = Length														
					22	26	36	46	56	66	76	96							
16	22	26	5	10	•	•	•	•	•	•	•	•							


QR4 016 022
Bushing Mat.: UNI 16 Ni Cr 4
QR5

D2	L = Length					
	30	80	100	120	140	
22	•	•	•	•	•	

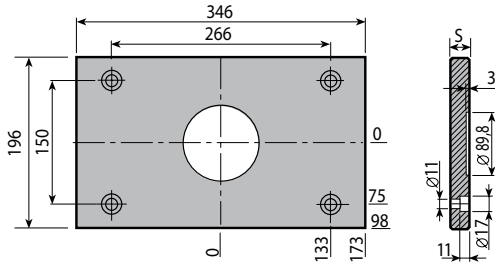

QR5 022 030
Screw Mat.: DIN 912 / 12.9
QM

M	L = Length																						
	16	18	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180	
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•


QM 010 016



Q04

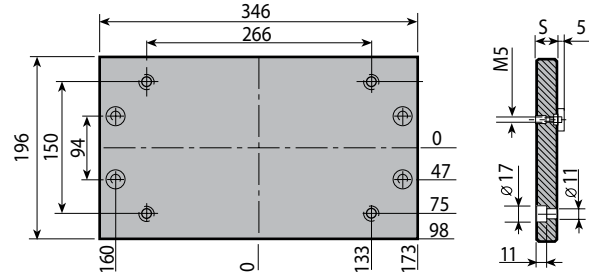


Mat.	S		
	22	26	36
1730	●		



Q04 196 346 022 1730

Q03

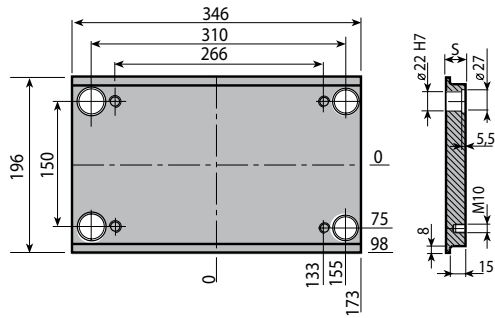


Mat.	S		
	22	26	36
1730	●		



Q03 196 346 022 1730

Q1C

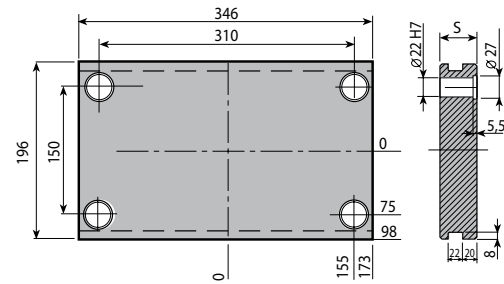


Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●					
Toolox 33	●	●	●	●					



Q1C 196 346 026 1730

Q13

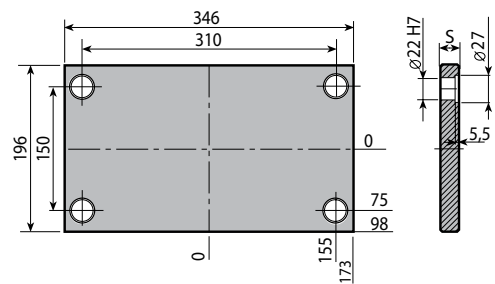


Mat.	S								
	26	36	46	56	66	76	96	106	116
1730			●	●	●	●	●		
Toolox 33			●	●	●	●	●		



Q13 196 346 046 1730

Q1T

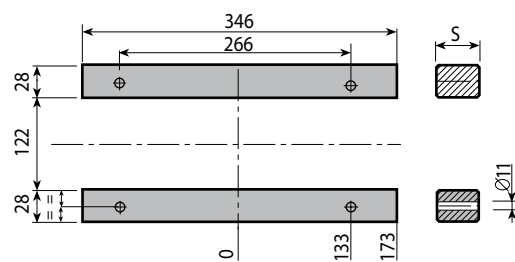


Mat.	S								
	22	26	36	46	56	66	76	96	106
1730	●	●	●	●	●	●	●	●	
Toolox 33	●	●	●	●	●	●	●	●	



Q1T 196 346 022 1730

Q3G



Mat.	S				
	57	77	97	117	147
1730	●	●	●		



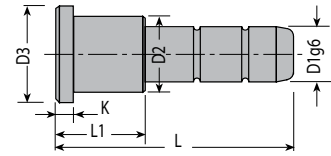
Q3G 196 346 057 1730


Leader pins

Mat.: UNI 16 Ni Cr 4

QR1

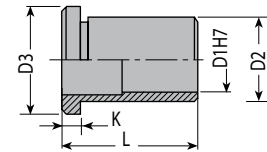
D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
16	22	26	5	10	22	•	•	•	•														
					26	•	•	•	•	•	•	•											
					36		•	•	•	•	•	•	•										
					46			•	•	•	•	•	•	•									
					56				•	•	•	•	•	•	•	•	•	•					
					66						•	•	•	•	•	•	•	•	•				
					76								•	•	•	•	•	•					
					96										•	•	•	•					


QR1 016 022 050
Bushing

Mat.: UNI 16 Ni Cr 4

QR3

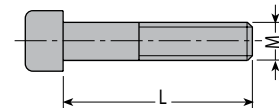
D1	D2	D3	K	L = Length										
				22	26	36	46	56	66	76	96			
16	22	26	5	•	•	•	•	•	•	•	•			


QR3 016 022

Screw

Mat.: DIN 912 / 12.9

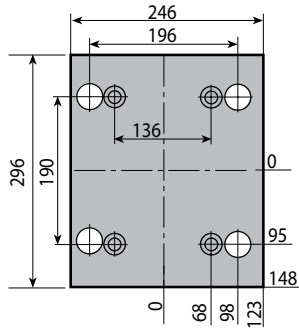
QM

M	L = Length																						
	16	18	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180	
10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	


QM 010 016




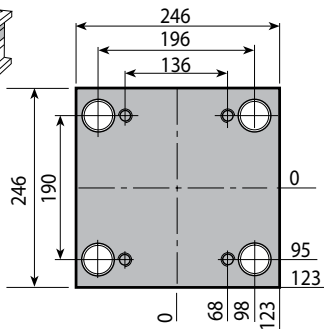
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 246 246 026 1730

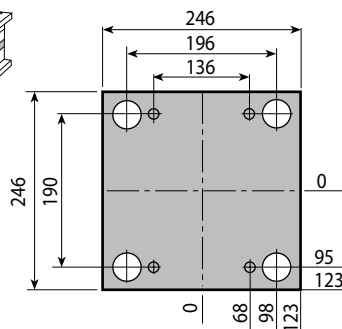
Q10



Mat.	S									
	26	36	46	56	66	76	96	106	116	
1730	●	●	●	●	●	●	●			
Toolox 33	●	●	●	●	●	●	●			

Q10 246 246 026 1730

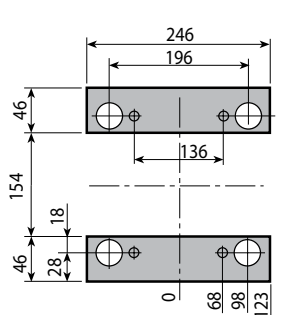
Q20



Mat.	S		
	26	36	46
1730		●	

Q20 246 246 036 1730

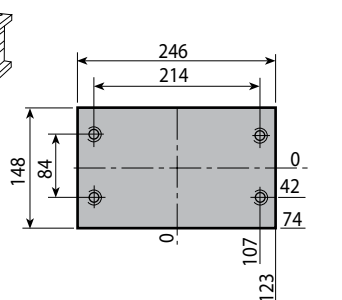
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

Q30 246 246 057 1730

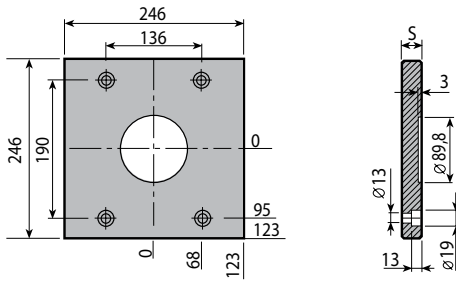
Q40 / Q50



Q40 246 246 022 1730



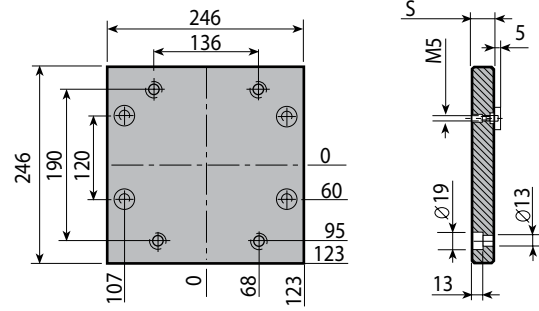
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 246 246 026 1730

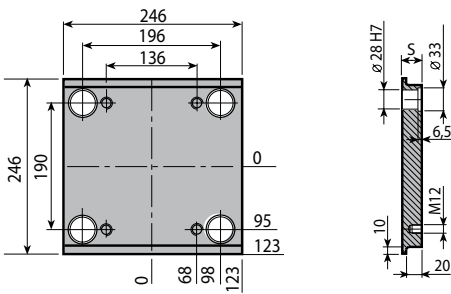
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 246 246 026 1730

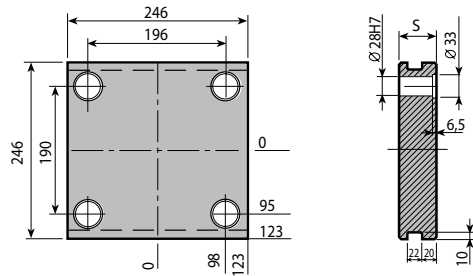
Q1C



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●					
Toolox 33	●	●	●	●					

Q1C 246 246 026 1730

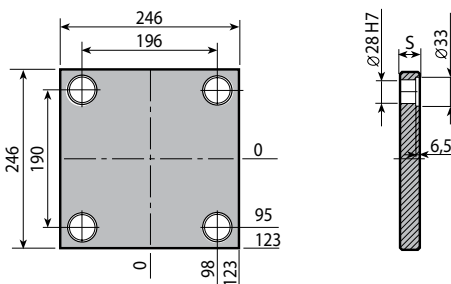
Q13



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730			●	●	●	●	●		
Toolox 33			●	●	●	●	●		

Q13 246 246 046 1730

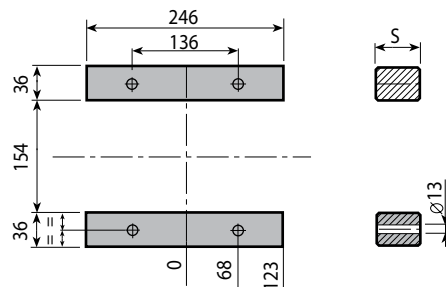
Q1T



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		
Toolox 33	●	●	●	●	●	●	●		

Q1T 246 246 026 1730

Q3G



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

Q3G 246 246 057 1730



Leader pins Mat.: UNI 16 Ni Cr 4

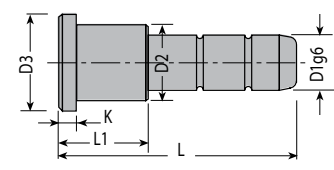
D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
20	28	32	6	10	22	•	•	•	•														
					26	•	•																
					36			•	•	•	•												
					46				•	•	•	•											
					56					•	•	•	•	•	•	•							
					66							•	•	•	•	•	•	•					
					76									•	•	•	•	•					
					96											•	•	•	•				

QR1 020 022 050

Bushing Mat.: UNI 16 Ni Cr 4

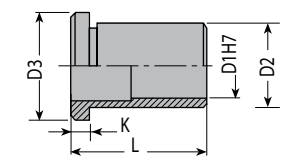
D1	D2	D3	K	L = Length											
				22	26	36	46	56	66	76	96				
20	28	32	6	•	•	•	•	•	•	•	•				

QR3 020 022



QR1

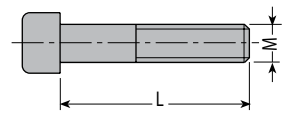
QR3



Screw Mat.: DIN 912 / 12.9

M	L = Length																								
	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180	190	200	220	240	
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

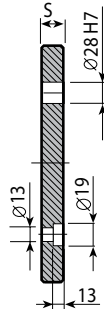
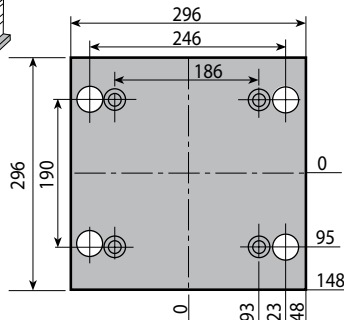
QM 012 020



QM



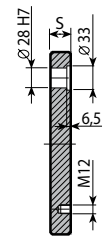
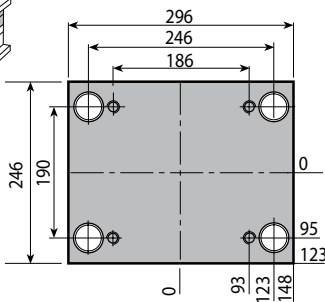
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 246 296 026 1730

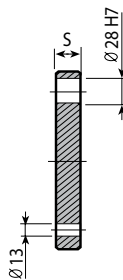
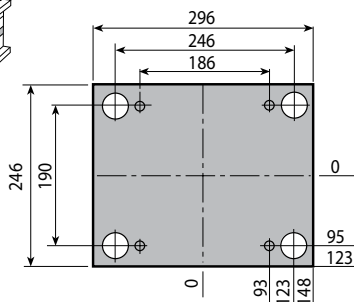
Q10



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		
Toolox 33	●	●	●	●	●	●	●		

Q10 246 296 026 1730

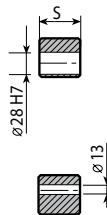
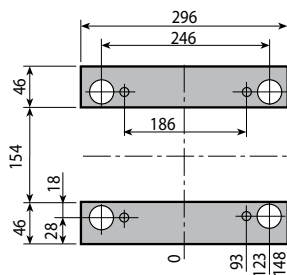
Q20



Mat.	S		
	26	36	46
1730		●	

Q20 246 296 036 1730

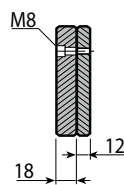
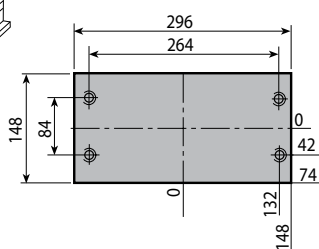
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

Q30 246 296 057 1730

Q40 / Q50



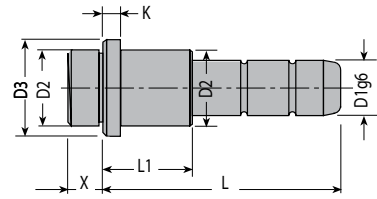
Q40 246 296 022 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR2

D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
20	28	32	6	10	22	•	•	•	•														
					26	•	•																
					36		•	•	•	•	•	•											
					46			•	•	•	•	•	•										
					56				•	•	•	•	•	•	•	•	•						
					66						•	•	•	•	•	•	•	•	•				
					76								•	•	•	•	•	•					
					96										•	•	•	•					

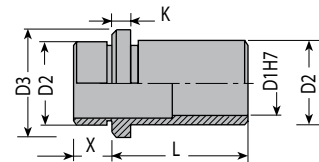


QR2 020 022 050

Bushing Mat.: UNI 16 Ni Cr 4

QR4

D1	D2	D3	K	X	L = Length														
					26	36	46	56	66	76	86	96							
20	28	32	6	10	•	•	•	•	•	•	•	•							

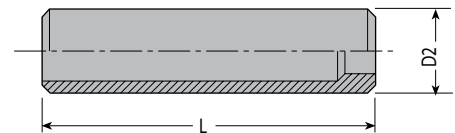


QR4 020 026

Bushing Mat.: UNI 16 Ni Cr 4

QR5

D2	L = Length				
	30	80	100	120	140
28	•	•	•	•	•

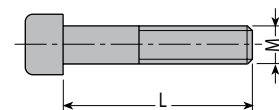


QR5 028 030

Screw Mat.: DIN 912 / 12.9

QM

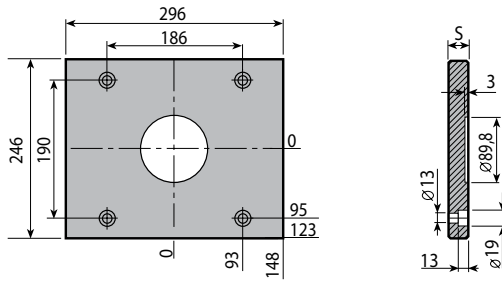
M	L = Length																								
	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180	190	200	220	240	
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



QM 012 020



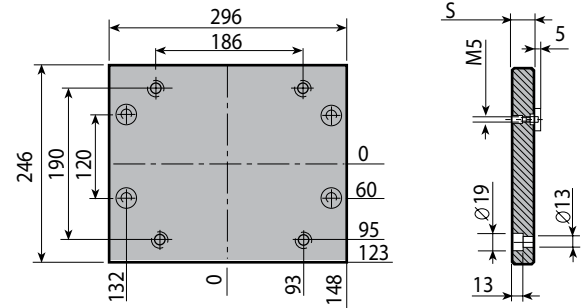
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 246 296 026 1730

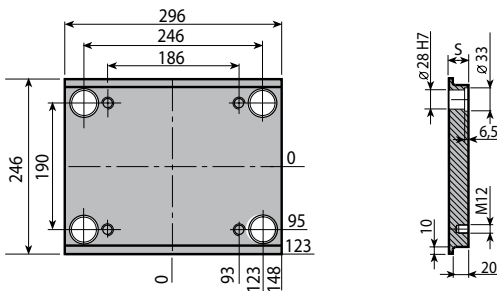
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 246 296 026 1730

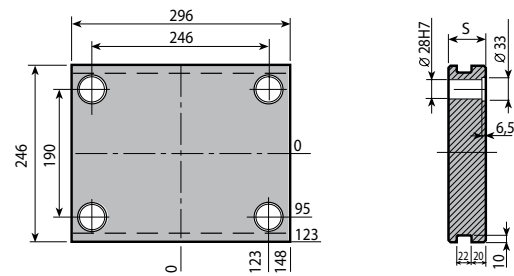
Q1C



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●					
Toolox 33	●	●	●	●					

Q1C 246 296 026 1730

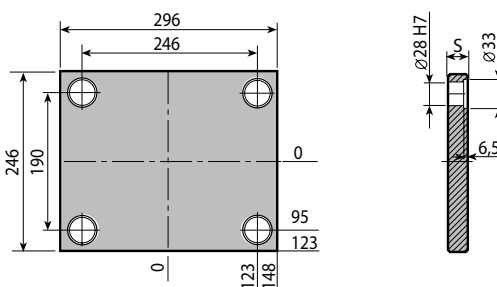
Q13



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730			●	●	●	●	●		
Toolox 33			●	●	●	●	●		

Q13 246 296 046 1730

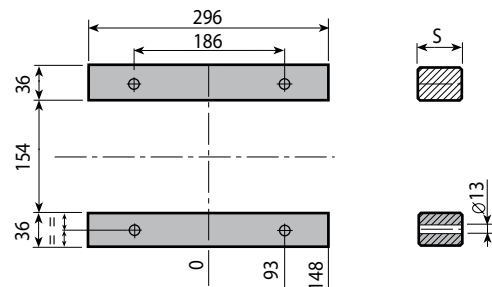
Q1T



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		
Toolox 33	●	●	●	●	●	●	●		

Q1T 246 296 026 1730

Q3G



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

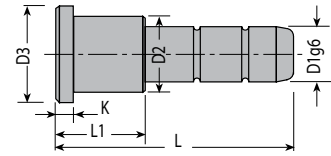
Q3G 246 296 057 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR1

D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
20	28	32	6	10	22	•	•	•	•														
					26	•	•																
					36			•	•	•	•												
					46				•	•	•	•	•										
					56					•	•	•	•	•	•	•	•	•					
					66							•	•	•	•	•	•	•	•	•			
					76									•	•	•	•	•	•	•			
					96											•	•	•	•	•			

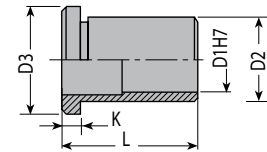


QR1 020 022 050

Bushing Mat.: UNI 16 Ni Cr 4

QR3

D1	D2	D3	K	L = Length											
				22	26	36	46	56	66	76	96				
20	28	32	6	•	•	•	•	•	•	•	•				

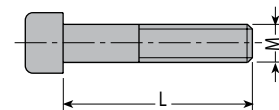


QR3 020 022

Screw Mat.: DIN 912 / 12.9

QM

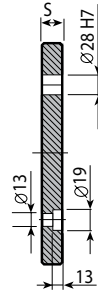
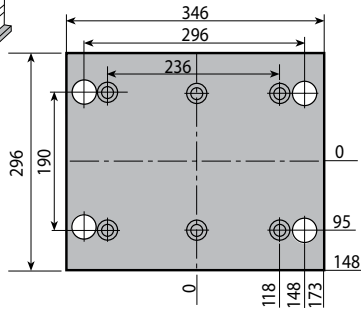
M	L = Length																								
	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180	190	200	220	240	
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



QM 012 020



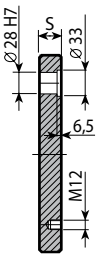
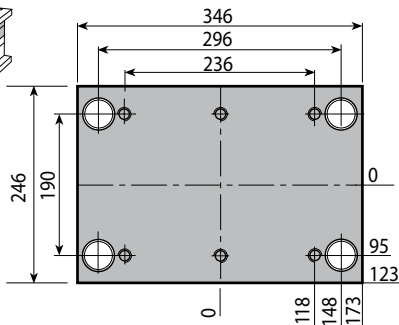
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 246 346 026 1730

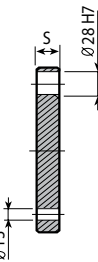
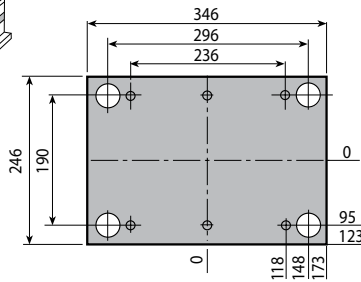
Q10



Mat.	S						106	116
	26	36	46	56	66	76		
1730	●	●	●	●	●	●	●	
Toolox 33	●	●	●	●	●	●	●	

Q10 246 346 026 1730

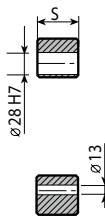
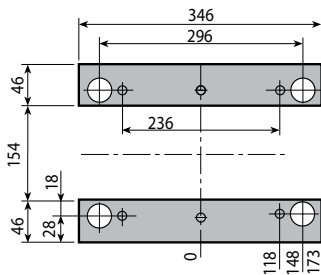
Q20



Mat.	S		
	26	36	46
1730		●	

Q20 246 346 036 1730

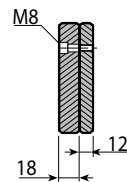
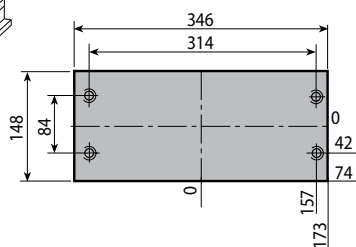
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

Q30 246 346 057 1730

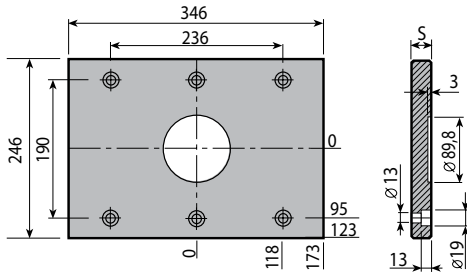
Q40 / Q50



Q40 246 346 022 1730



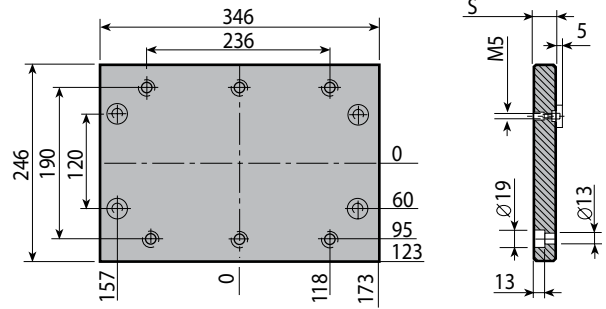
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 246 346 026 1730

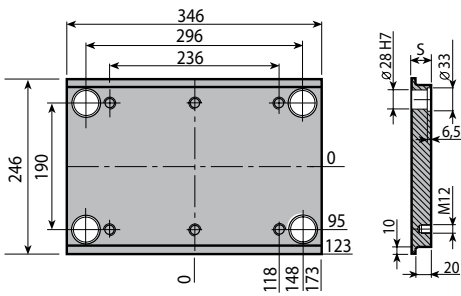
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 246 346 026 1730

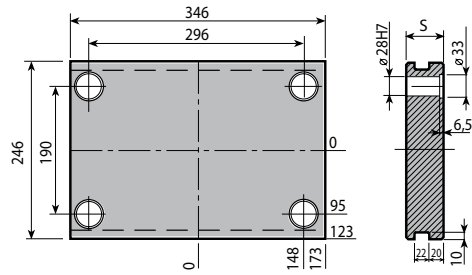
Q1C



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●					
Toolox 33	●	●	●	●					

Q1C 246 346 026 1730

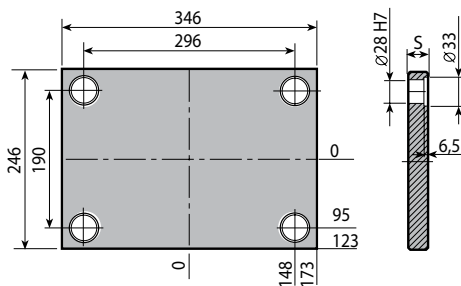
Q13



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730			●	●	●	●	●		
Toolox 33			●	●	●	●	●		

Q13 246 346 046 1730

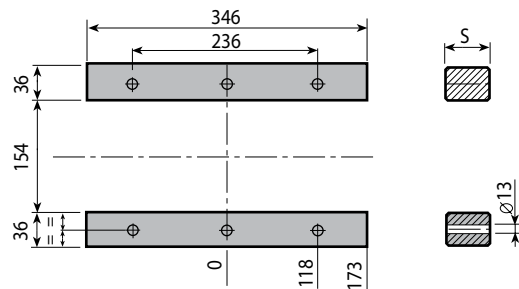
Q1T



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		
Toolox 33	●	●	●	●	●	●	●		

Q1T 246 346 026 1730

Q3G



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

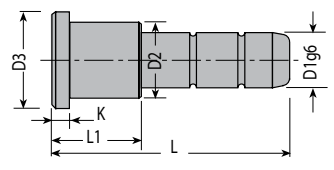
Q3G 246 346 057 1730



Leader pins Mat.: UNI 16 Ni Cr 4

D1	D2	D3	K	X	L1	L = Length																		
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340		
20	28	32	6	10	26	•	•	•	•	•	•	•												
					36	•	•	•	•	•	•	•	•											
					46		•	•	•	•	•	•	•	•										
					56			•	•	•	•	•	•	•	•	•								
					66					•	•	•	•	•	•	•	•							
					76							•	•	•	•	•	•	•						
					86									•	•	•	•	•						
					96										•	•	•	•						

QR1 020 026 060

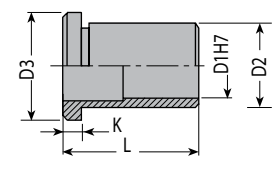


QR1

Bushing Mat.: UNI 16 Ni Cr 4

D1	D2	D3	K	L = Length										
				26	36	46	56	66	76	86	96			
20	28	32	6	•	•	•	•	•	•	•				

QR3 020 026

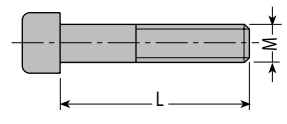


QR3

Screw Mat.: DIN 912 / 12.9

M	L = Length																								
	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180	190	200	220	240	
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

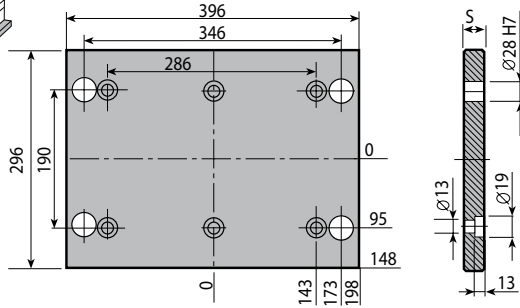
QM 012 020



QM



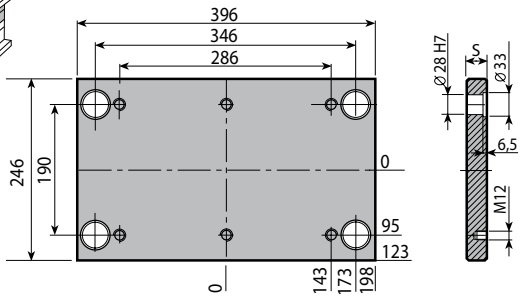
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 246 396 026 1730

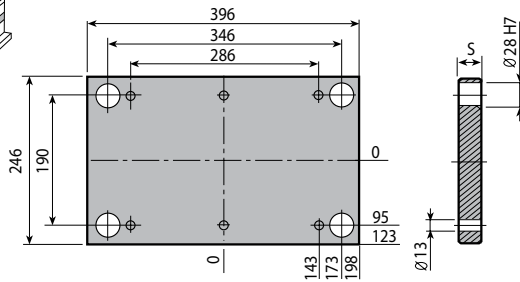
Q10



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		
Toolox 33	●	●	●	●	●	●	●		

Q10 246 396 026 1730

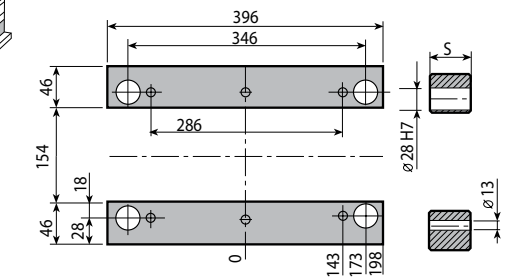
Q20



Mat.	S		
	26	36	46
1730		●	

Q20 246 396 036 1730

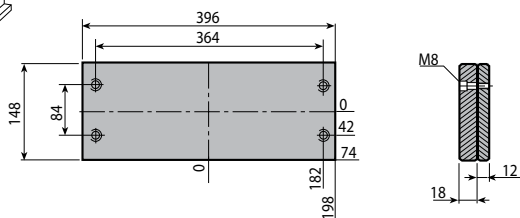
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

Q30 246 396 057 1730

Q40 / Q50



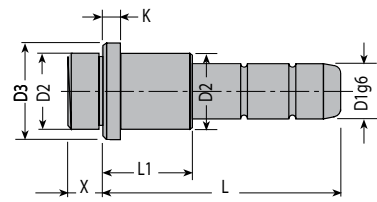
Q40 246 396 022 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR2

D1	D2	D3	K	X	L1	L = Length																		
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340		
20	28	32	6	10	26	•	•	•	•	•	•	•												
					36	•	•	•	•	•	•	•	•											
					46		•	•	•	•	•	•	•	•										
					56			•	•	•	•	•	•	•	•	•								
					66					•	•	•	•	•	•	•	•							
					76							•	•	•	•	•	•	•						
					86									•	•	•	•	•						
					96										•	•	•	•						

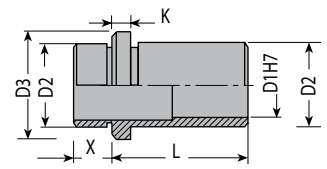


QR2 020 026 060

Bushing Mat.: UNI 16 Ni Cr 4

QR4

D1	D2	D3	K	X	L = Length														
					26	36	46	56	66	76	86	96							
20	28	32	6	10	•	•	•	•	•	•	•	•							

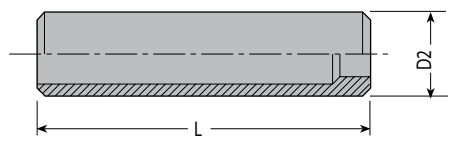


QR4 020 026

Bushing Mat.: UNI 16 Ni Cr 4

QR5

D2	L = Length					
	30	80	100	120	140	
28	•	•	•	•	•	

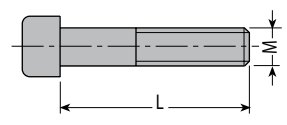


QR5 028 030

Screw Mat.: DIN 912 / 12.9

QM

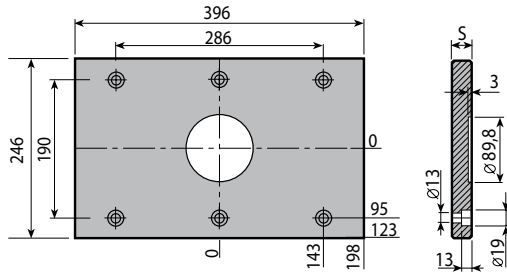
M	L = Length																							
	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180	190	200	220	240
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



QM 012 020



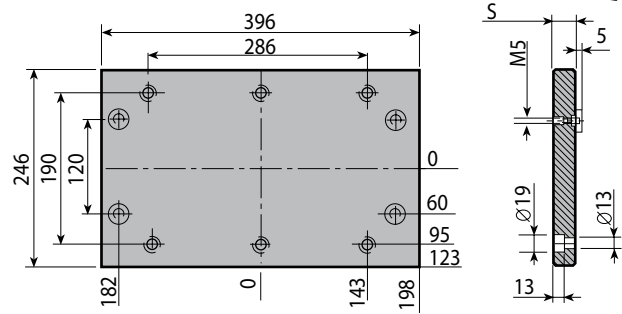
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 246 396 026 1730

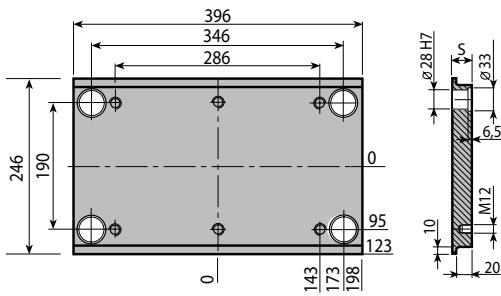
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 246 396 026 1730

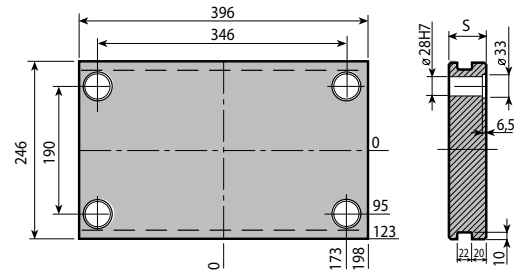
Q1C



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●					
Toolox 33	●	●	●	●					

Q1C 246 396 026 1730

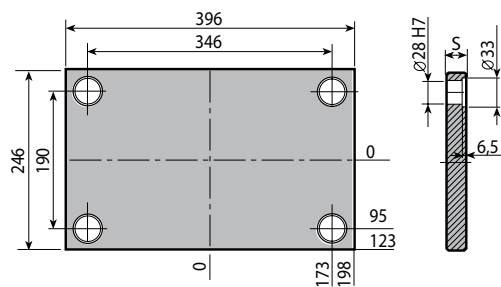
Q13



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730			●	●	●	●	●		
Toolox 33			●	●	●	●	●		

Q13 246 396 046 1730

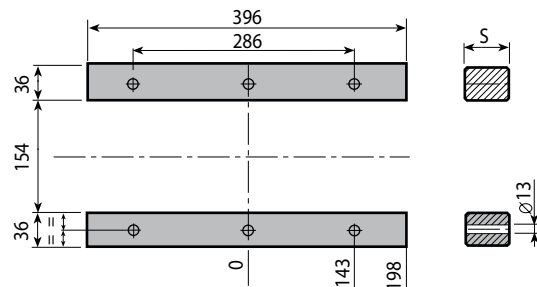
Q1T



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		
Toolox 33	●	●	●	●	●	●	●		

Q1T 246 396 026 1730

Q3G



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

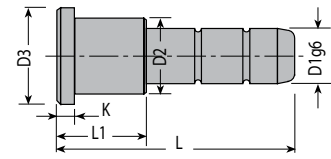
Q3G 246 396 057 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR1

D1	D2	D3	K	X	L1	L = Length																		
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340		
20	28	32	6	10	26	•	•	•	•	•	•	•												
					36	•	•	•	•	•	•	•	•											
					46		•	•	•	•	•	•	•	•										
					56			•	•	•	•	•	•	•	•	•								
					66					•	•	•	•	•	•	•	•							
					76							•	•	•	•	•	•	•						
					86									•	•	•	•	•						
					96										•	•	•	•						

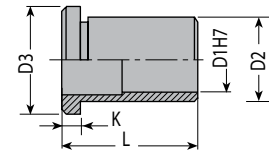


QR1 020 026 060

Bushing Mat.: UNI 16 Ni Cr 4

QR3

D1	D2	D3	K	L = Length										
				26	36	46	56	66	76	86	96			
20	28	32	6	•	•	•	•	•	•	•				

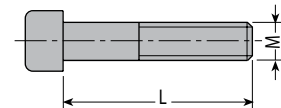


QR3 020 026

Screw Mat.: DIN 912 / 12.9

QM

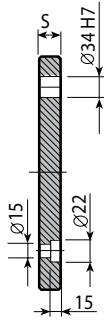
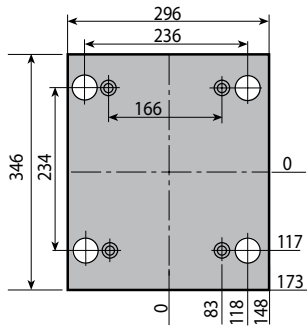
M	L = Length																								
	20	25	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	180	190	200	220	240	
12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



QM 012 020



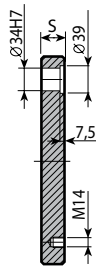
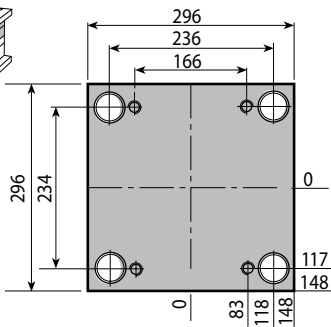
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 296 296 026 1730

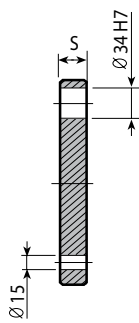
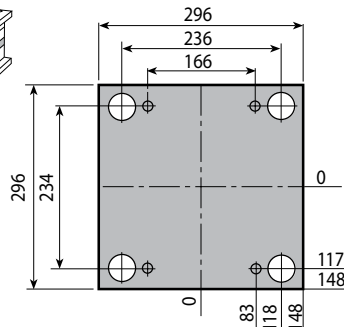
Q10



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		●
Toolox 33	●	●	●	●	●	●	●		●

Q10 296 296 026 1730

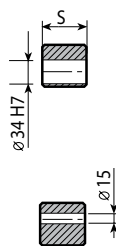
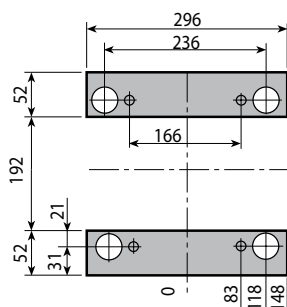
Q20



Mat.	S		
	26	36	46
1730		●	

Q20 296 296 036 1730

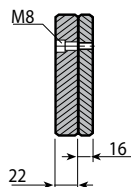
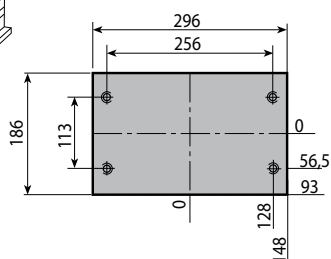
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

Q30 296 296 057 1730

Q40 / Q50



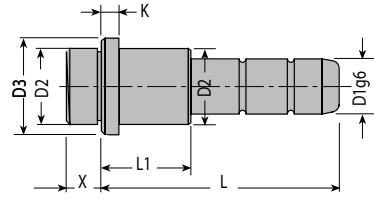
Q40 296 296 022 1730



Leader pins Mat.: UNI 16 Ni Cr 4

D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
25	34	38	7	10	26				●	●	●												
					36				●	●	●	●	●	●									
					46				●	●	●	●	●	●	●	●							
					56						●	●	●	●	●	●	●						
					66							●	●	●	●	●	●	●					
					76									●	●	●	●	●	●				
					86											●	●	●	●				
					96													●	●	●	●		
					106																		
					116																		

QR2 025 026 080

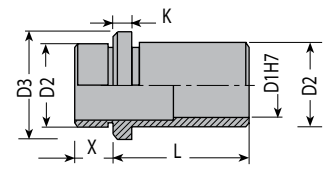


QR2

Bushing Mat.: UNI 16 Ni Cr 4

D1	D2	D3	K	X	L = Length													
					26	36	46	56	66	76	86	96						
25	34	38	7	10	●	●	●	●	●	●	●	●						

QR4 025 026

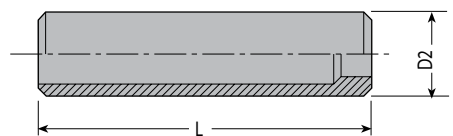


QR4

Bushing Mat.: UNI 16 Ni Cr 4

D2	L = Length						
	30	80	100	120	140	160	
34	●	●	●	●	●	●	

QR5 034 030

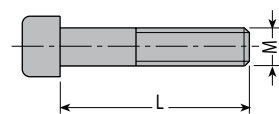


QR5

Screw Mat.: DIN 912 / 12.9

M	L = Length																								
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

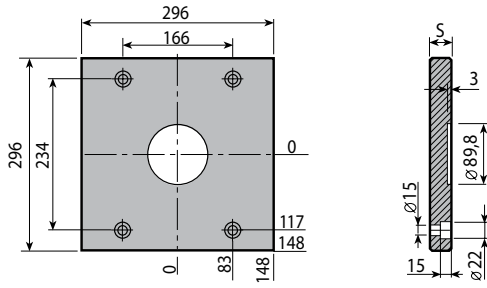
QM 014 030



QM



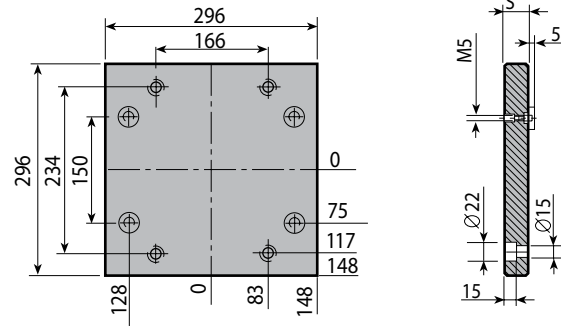
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 296 296 026 1730

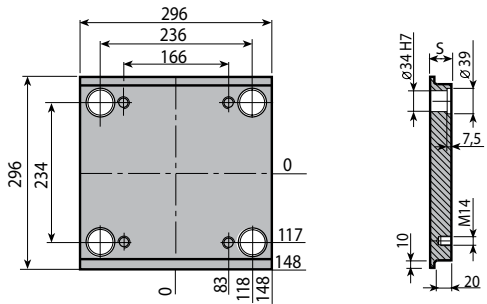
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 296 296 026 1730

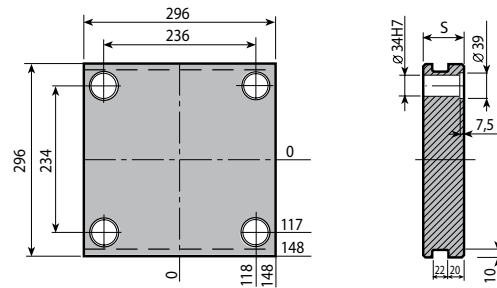
Q1C



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730	●	●	●	●	●				
Toolox 33	●	●	●	●	●				

Q1C 296 296 036 1730

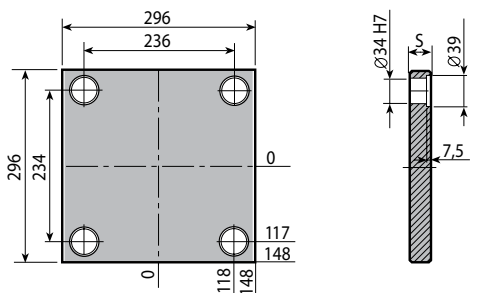
Q13



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730			●	●	●	●	●		●
Toolox 33			●	●	●	●	●		●

Q13 296 296 046 1730

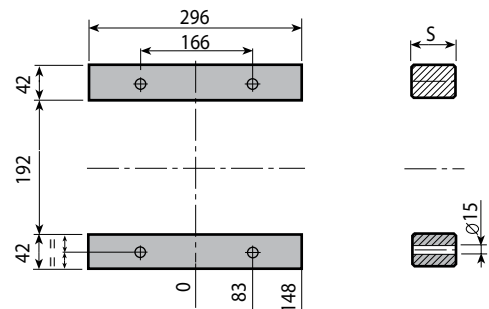
Q1T



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●	●	●
Toolox 33	●	●	●	●	●	●	●	●	●

Q1T 296 296 026 1730

Q3G



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

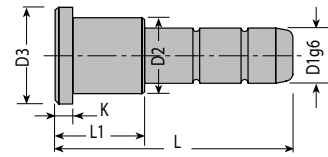
Q3G 296 296 057 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR1

D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
25	34	38	7	10	26				●	●	●												
					36				●	●	●	●	●	●									
					46				●	●	●	●	●	●	●	●							
					56						●	●	●	●	●	●	●	●					
					66							●	●	●	●	●	●	●	●	●			
					76								●	●	●	●	●	●	●	●	●	●	
					86									●	●	●	●	●	●	●	●	●	
					96										●	●	●	●	●	●	●	●	
					106											●	●	●	●	●	●	●	
					116												●	●	●	●	●	●	

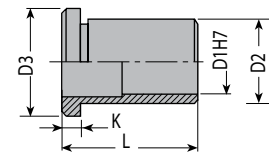


QR1 025 026 080

Bushing Mat.: UNI 16 Ni Cr 4

QR3

D1	D2	D3	K	L = Length														
				26	36	46	56	66	76	86	96	106	116	126				
25	34	38	7	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

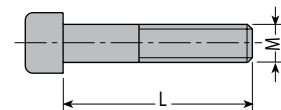


QR3 025 026

Screw Mat.: DIN 912 / 12.9

QM

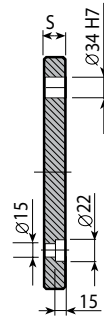
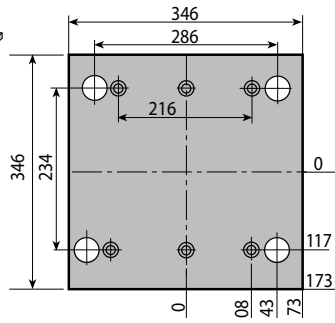
M	L = Length																									
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



QM 014 030



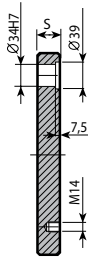
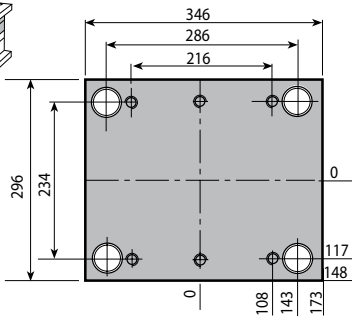
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 296 346 026 1730

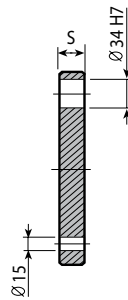
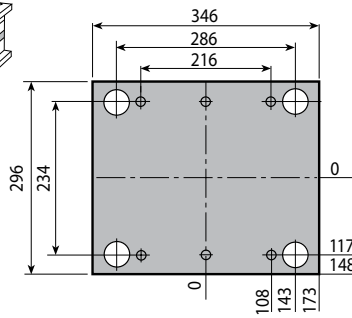
Q10



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		●
Toolox 33	●	●	●	●	●	●	●		●

Q10 296 346 026 1730

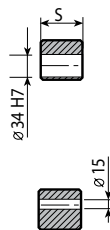
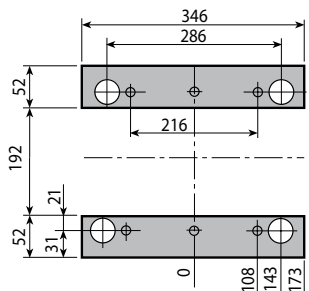
Q20



Mat.	S		
	26	36	46
1730		●	

Q20 296 346 036 1730

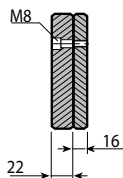
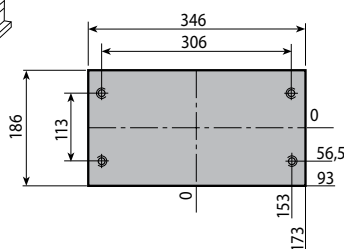
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

Q30 296 346 057 1730

Q40 / Q50



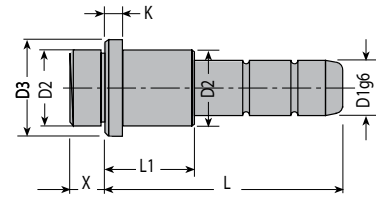
Q40 296 346 022 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR2

D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
25	34	38	7	10	26				●	●	●												
					36				●	●	●	●	●	●									
					46				●	●	●	●	●	●	●	●							
					56					●	●	●	●	●	●	●	●						
					66						●	●	●	●	●	●	●	●					
					76								●	●	●	●	●	●	●				
					86										●	●	●	●	●				
					96											●	●	●	●				
					106																		
					116																		

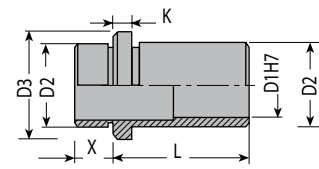


QR2 025 026 080

Bushing Mat.: UNI 16 Ni Cr 4

QR4

D1	D2	D3	K	X	L = Length													
					26	36	46	56	66	76	86	96						
25	34	38	7	10	●	●	●	●	●	●	●	●						

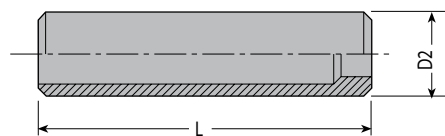


QR4 025 026

Bushing Mat.: UNI 16 Ni Cr 4

QR5

D2	L = Length						
	30	80	100	120	140	160	
34	●	●	●	●	●	●	

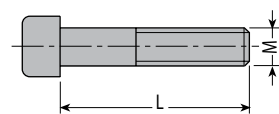


QR5 034 030

Screw Mat.: DIN 912 / 12.9

QM

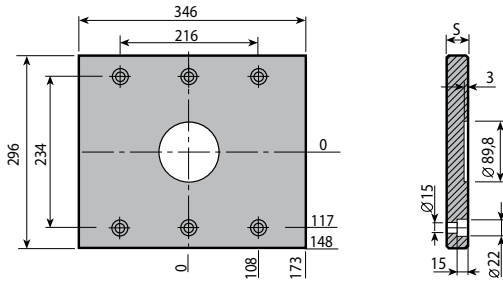
M	L = Length																									
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



QM 014 030



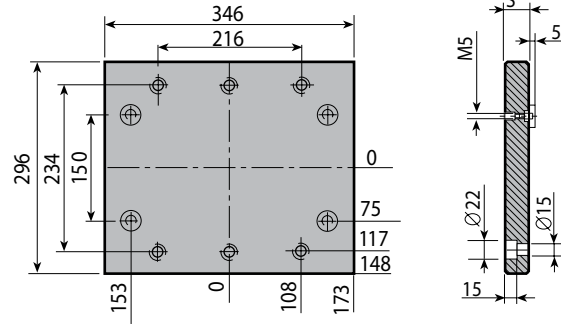
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 296 346 026 1730

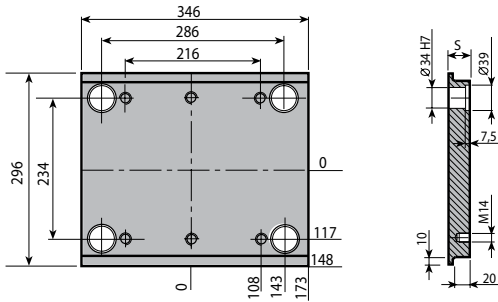
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 296 346 026 1730

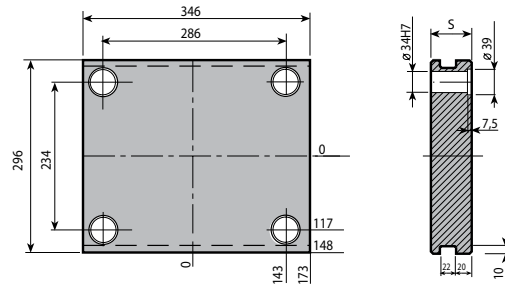
Q1C



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730	●	●	●	●	●				
Toolox 33	●	●	●	●	●				

Q1C 296 346 036 1730

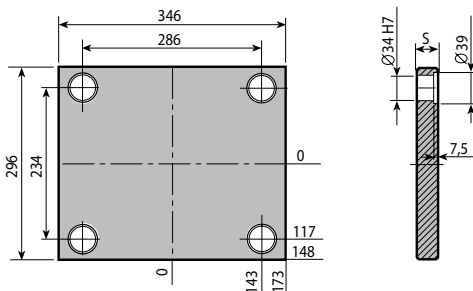
Q13



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●		●	
Toolox 33		●	●	●	●	●		●	

Q13 296 346 046 1730

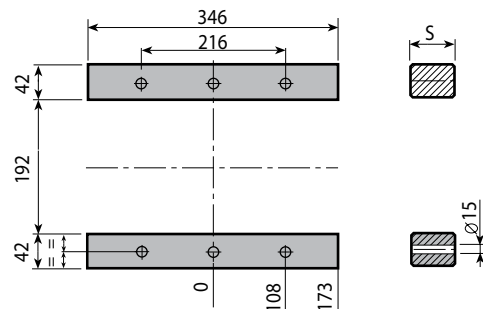
Q1T



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●	●	●
Toolox 33	●	●	●	●	●	●	●	●	●

Q1T 296 346 026 1730

Q3G



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

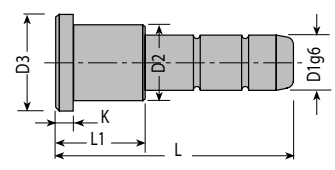
Q3G 296 346 057 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR1

D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
25	34	38	7	10	26				●	●	●												
					36				●	●	●	●	●	●									
					46				●	●	●	●	●	●	●	●							
					56					●	●	●	●	●	●	●	●	●					
					66						●	●	●	●	●	●	●	●	●	●			
					76							●	●	●	●	●	●	●	●	●	●		
					86								●	●	●	●	●	●	●	●	●	●	
					96									●	●	●	●	●	●	●	●	●	●
					106										●	●	●	●	●	●	●	●	●
					116											●	●	●	●	●	●	●	●

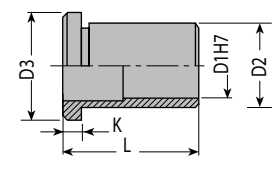


QR1 025 026 080

Bushing Mat.: UNI 16 Ni Cr 4

QR3

D1	D2	D3	K	L = Length															
				26	36	46	56	66	76	86	96	106	116	126					
25	34	38	7	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

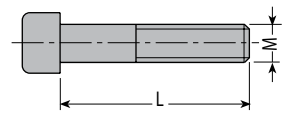


QR3 025 026

Screw Mat.: DIN 912 / 12.9

QM

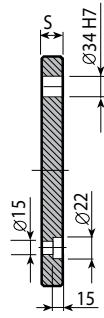
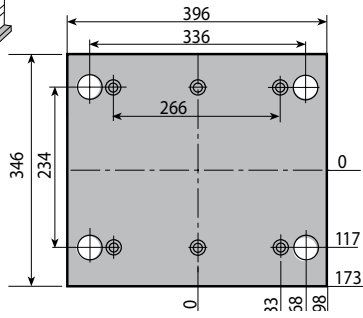
M	L = Length																									
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



QM 014 030



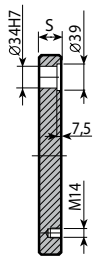
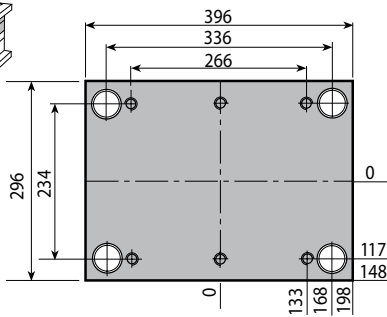
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 296 396 026 1730

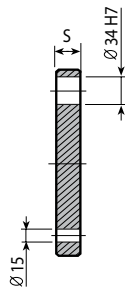
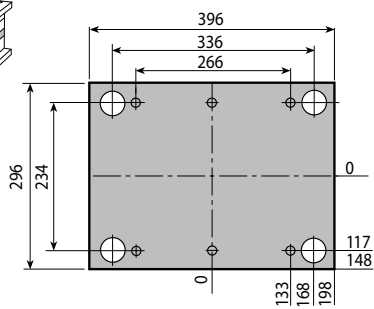
Q10



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		●
Toolox 33	●	●	●	●	●	●	●		●

Q10 296 396 026 1730

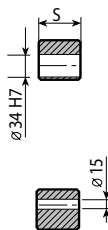
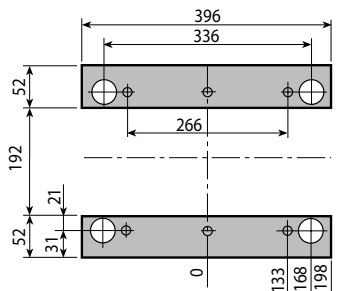
Q20



Mat.	S		
	26	36	46
1730		●	

Q20 296 396 036 1730

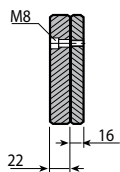
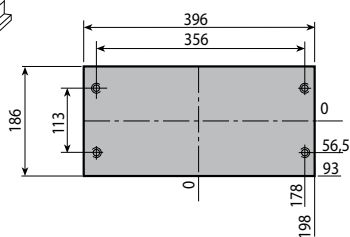
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

Q30 296 396 057 1730

Q40 / Q50



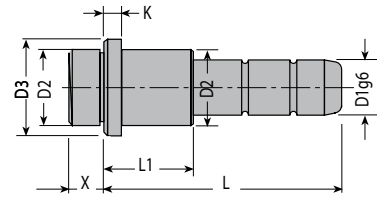
Q40 296 396 022 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR2

D1	D2	D3	K	X	L1	L = Length																		
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340		
25	34	38	7	10	26				●	●	●													
					36				●	●	●	●	●	●										
					46				●	●	●	●	●	●	●	●								
					56					●	●	●	●	●	●	●	●							
					66						●	●	●	●	●	●	●	●						
					76							●	●	●	●	●	●	●	●					
					86								●	●	●	●	●	●	●					
					96									●	●	●	●	●	●					
					106																			
					116																			

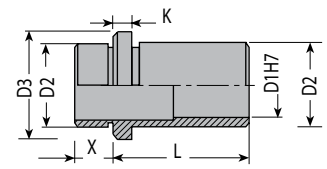


QR2 025 026 080

Bushing Mat.: UNI 16 Ni Cr 4

QR4

D1	D2	D3	K	X	L = Length														
					26	36	46	56	66	76	86	96							
25	34	38	7	10	●	●	●	●	●	●	●	●							

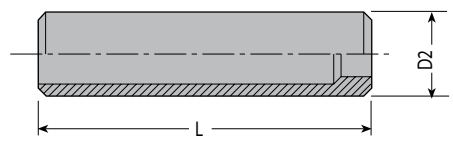


QR4 025 026

Bushing Mat.: UNI 16 Ni Cr 4

QR5

D2	L = Length						
	30	80	100	120	140	160	
34	●	●	●	●	●	●	

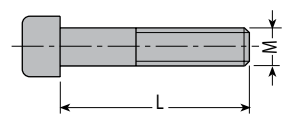


QR5 034 030

Screw Mat.: DIN 912 / 12.9

QM

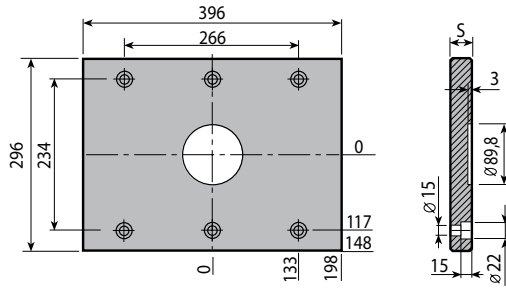
M	L = Length																									
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



QM 014 030



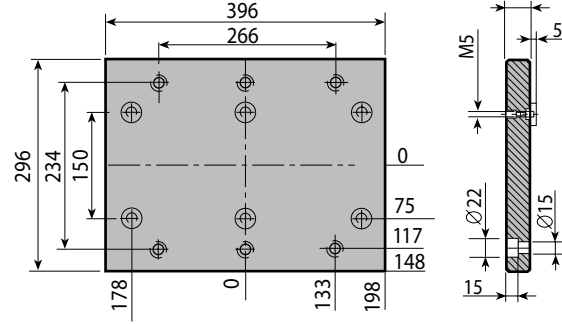
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 296 396 026 1730

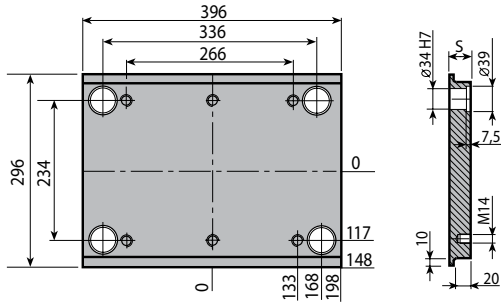
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 296 396 026 1730

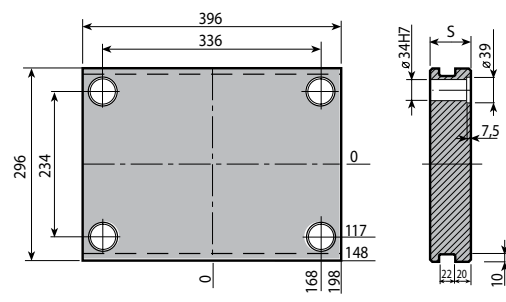
Q1C



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730	●	●	●	●	●				
Toolox 33	●	●	●	●	●				

Q1C 296 396 036 1730

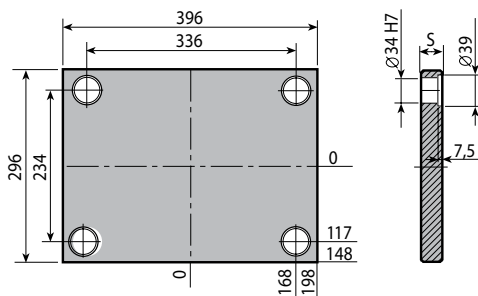
Q13



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●		●	
Toolox 33		●	●	●	●	●		●	

Q13 296 396 045 1730

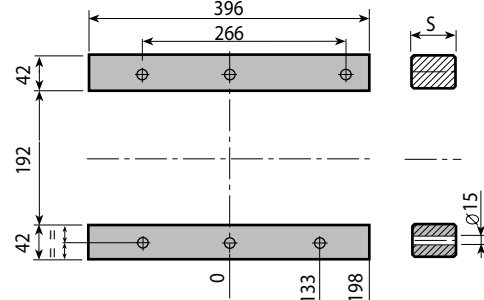
Q1T



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		●
Toolox 33	●	●	●	●	●	●	●		●

Q1T 296 396 026 1730

Q3G



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

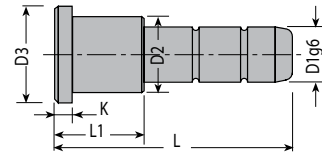
Q3G 296 396 057 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR1

D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
25	34	38	7	10	26				●	●	●												
					36				●	●	●	●	●	●									
					46				●	●	●	●	●	●	●	●							
					56					●	●	●	●	●	●	●	●	●					
					66						●	●	●	●	●	●	●	●	●	●			
					76							●	●	●	●	●	●	●	●	●	●	●	
					86									●	●	●	●	●	●	●	●	●	●
					96										●	●	●	●	●	●	●	●	●
					106											●	●	●	●	●	●	●	●
					116												●	●	●	●	●	●	●

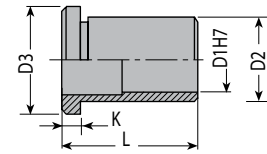


QR1 025 026 080

Bushing Mat.: UNI 16 Ni Cr 4

QR3

D1	D2	D3	K	L = Length												
				26	36	46	56	66	76	86	96	106	116	126		
25	34	38	7	●	●	●	●	●	●	●	●	●	●	●	●	●

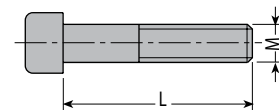


QR3 025 036

Screw Mat.: DIN 912 / 12.9

QM

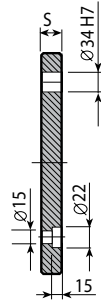
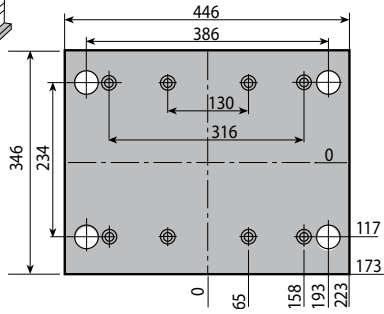
M	L = Length																									
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



QM 014 030



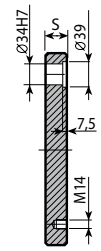
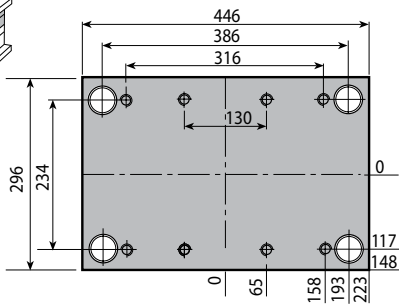
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 296 446 026 1730

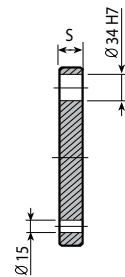
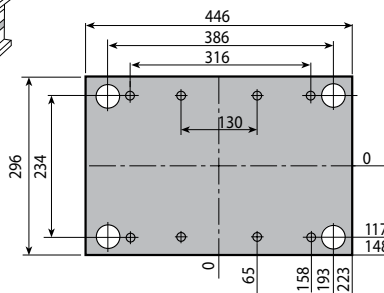
Q10



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		●
Toolox 33	●	●	●	●	●	●	●		●

Q10 296 446 026 1730

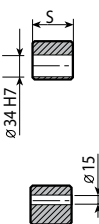
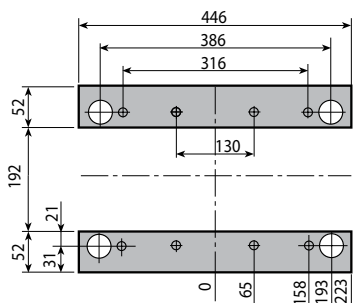
Q20



Mat.	S		
	26	36	46
1730		●	

Q20 296 446 036 1730

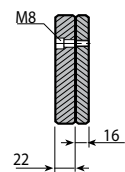
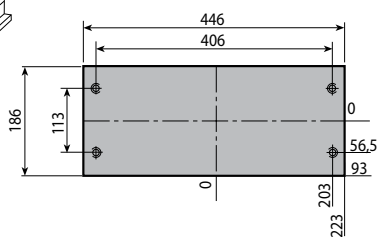
Q30



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

Q30 296 446 057 1730

Q40 / Q50



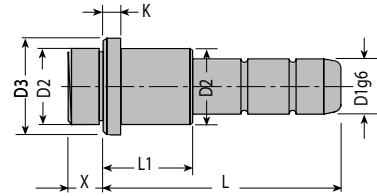
Q40 296 446 022 1730



Leader pins Mat.: UNI 16 Ni Cr 4

QR2

D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
25	34	38	7	10	26				●	●	●												
					36				●	●	●	●	●	●									
					46				●	●	●	●	●	●	●	●							
					56					●	●	●	●	●	●	●	●						
					66						●	●	●	●	●	●	●	●					
					76							●	●	●	●	●	●	●	●				
					86								●	●	●	●	●	●	●				
					96									●	●	●	●	●	●				
					106																		
					116																		

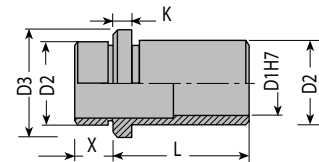


QR2 025 026 080

Bushing Mat.: UNI 16 Ni Cr 4

QR4

D1	D2	D3	K	X	L = Length											
					26	36	46	56	66	76	86	96				
25	34	38	7	10	●	●	●	●	●	●	●	●				

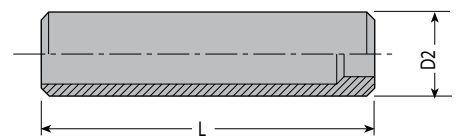


QR4 025 026

Bushing Mat.: UNI 16 Ni Cr 4

QR5

D2	L = Length						
	30	80	100	120	140	160	
34	●	●	●	●	●	●	

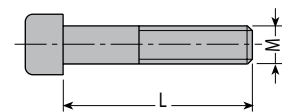


QR5 034 030

Screw Mat.: DIN 912 / 12.9

QM

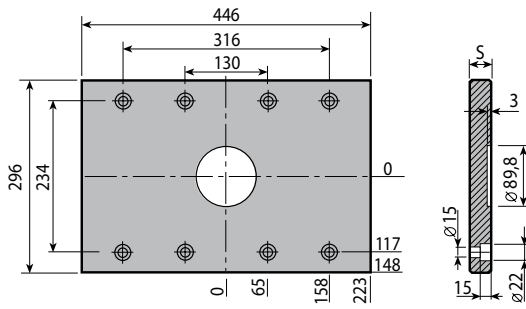
M	L = Length																								
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



QM 014 030



Q04

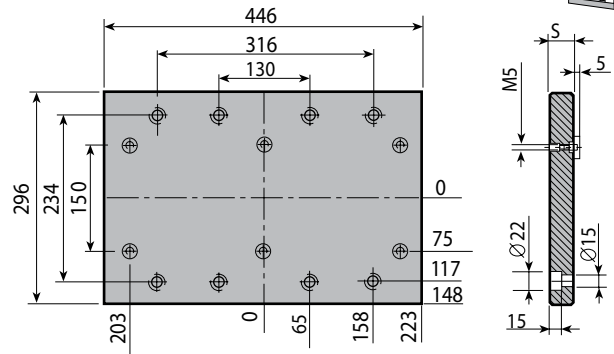


Mat.	S		
	22	26	36
1730		●	



Q04 296 446 026 1730

Q03

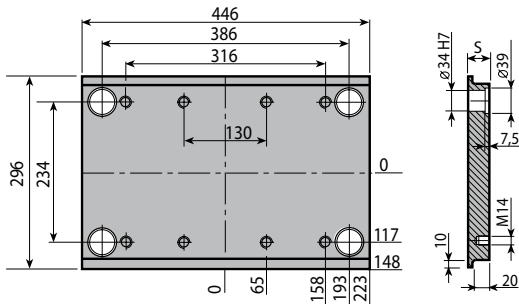


Mat.	S		
	22	26	36
1730		●	



Q03 296 446 026 1730

Q1C

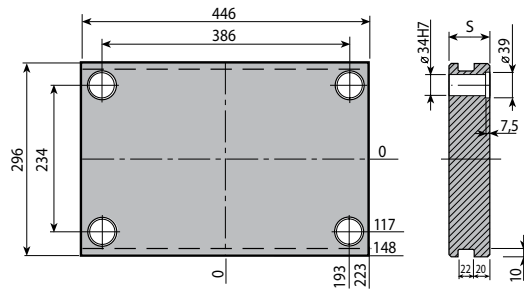


Mat.	S								
	36	46	56	66	76	96	106	116	146
1730	●	●	●	●	●				
Toolox 33	●	●	●	●	●				



Q1C 296 446 036 1730

Q13

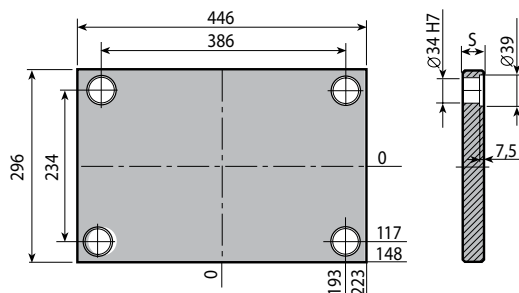


Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●		●	
Toolox 33		●	●	●	●	●		●	



Q13 296 446 046 1730

Q1T

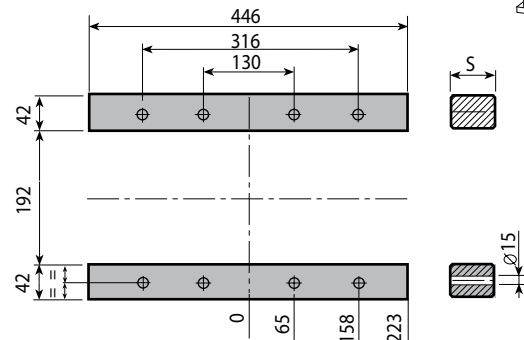


Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●	●	●
Toolox 33	●	●	●	●	●	●	●	●	●



Q1T 296 446 026 1730

Q3G



Mat.	S				
	57	77	97	117	147
1730	●	●	●		

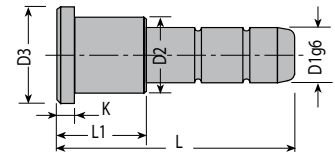


Q3G 296 446 057 1730


Leader pins Mat.: UNI 16 Ni Cr 4

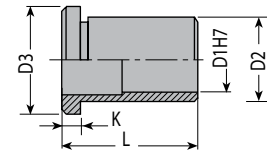
D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
25	34	38	7	10	26				●	●	●												
					36				●	●	●	●	●	●									
					46				●	●	●	●	●	●	●								
					56					●	●	●	●	●	●	●	●						
					66						●	●	●	●	●	●	●	●	●				
					76							●	●	●	●	●	●	●	●	●	●		
					86								●	●	●	●	●	●	●	●	●	●	
					96									●	●	●	●	●	●	●	●	●	●
					106										●	●	●	●	●	●	●	●	●
					116											●	●	●	●	●	●	●	●

QR1 025 026 080


QR1
Bushing Mat.: UNI 16 Ni Cr 4

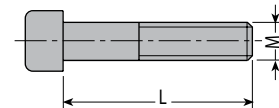
D1	D2	D3	K	L = Length														
				26	36	46	56	66	76	86	96	106	116	126				
25	34	38	7	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

QR3 025 026


QR3
Screw Mat.: DIN 912 / 12.9

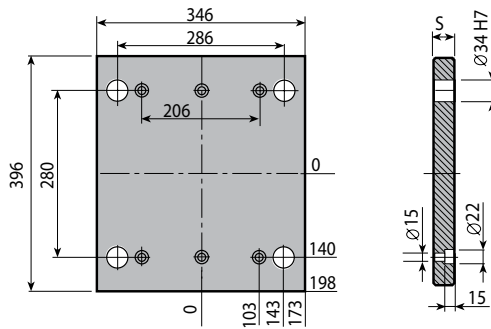
M	L = Length																									
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

QM 014 030


QM



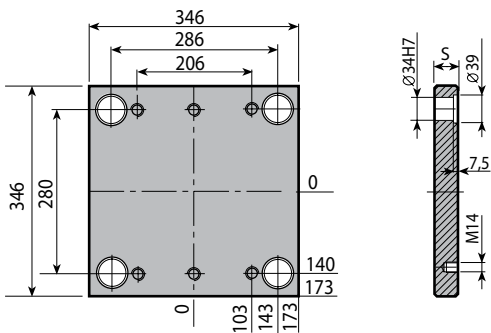
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 346 346 026 1730

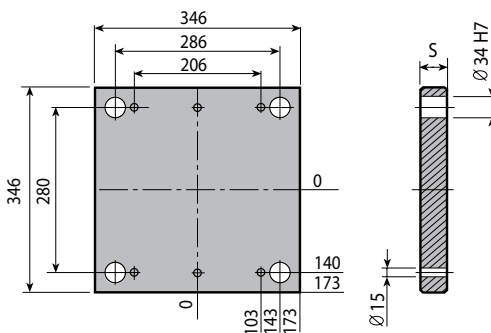
Q10



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●		●	
Toolox 33		●	●	●	●	●		●	

Q10 346 346 046 1730

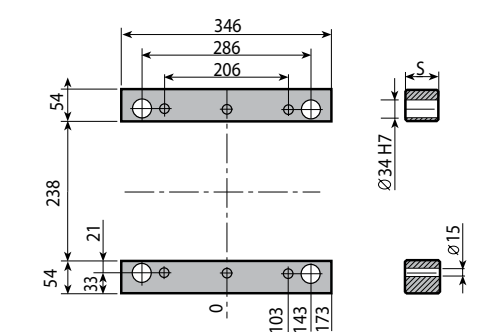
Q20



Mat.	S		
	26	36	46
1730			●

Q20 346 346 046 1730

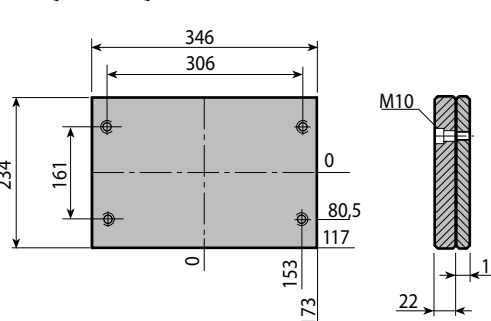
Q30



Mat.	S				
	57	77	97	117	147
1730		●	●	●	

Q30 346 346 077 1730

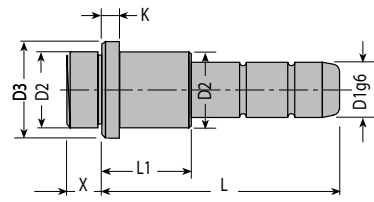
Q40 / Q50



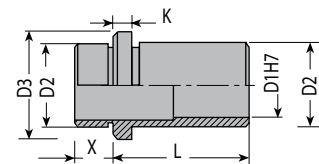
Q40 346 346 022 1730


Leader pins Mat.: UNI 16 Ni Cr 4
QR2

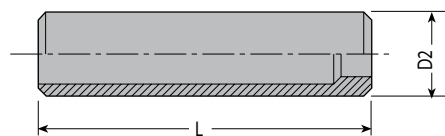
D1	D2	D3	K	X	L1	L = Length																		
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340		
25	34	38	7	10	26				●	●	●													
					36				●	●	●	●	●	●										
					46				●	●	●	●	●	●	●	●								
					56					●	●	●	●	●	●	●	●							
					66						●	●	●	●	●	●	●	●						
					76								●	●	●	●	●	●	●					
					86										●	●	●	●	●					
					96											●	●	●	●					
					106																			
					116																			


QR2 025 026 080
Bushing Mat.: UNI 16 Ni Cr 4
QR4

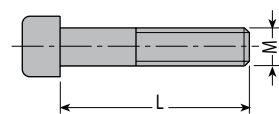
D1	D2	D3	K	X	L = Length														
					26	36	46	56	66	76	86	96							
25	34	38	7	10	●	●	●	●	●	●	●	●							


QR4 025 026
Bushing Mat.: UNI 16 Ni Cr 4
QR5

D2	L = Length						
	30	80	100	120	140	160	
34	●	●	●	●	●	●	

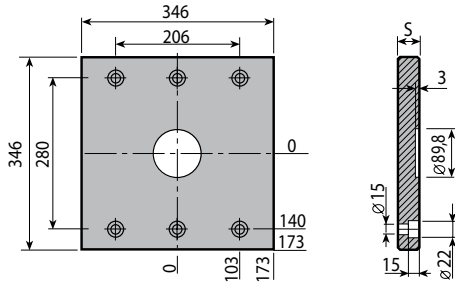

QR5 034 030
Screw Mat.: DIN 912 / 12.9
QM

M	L = Length																									
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●


QM 014 030



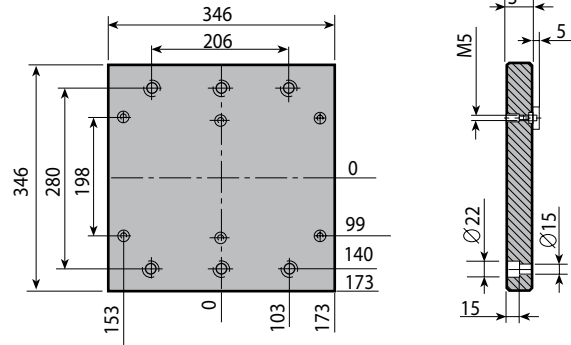
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 346 346 026 1730

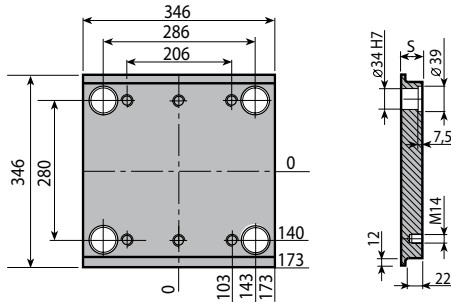
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 346 346 026 1730

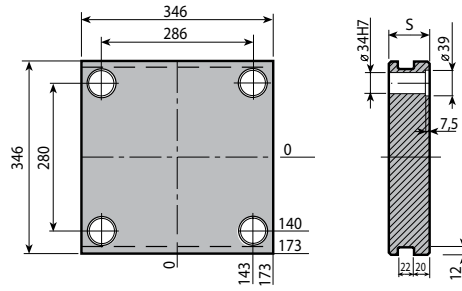
Q1C



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●			
Toolox 33		●	●	●	●	●			

Q1C 346 346 046 1730

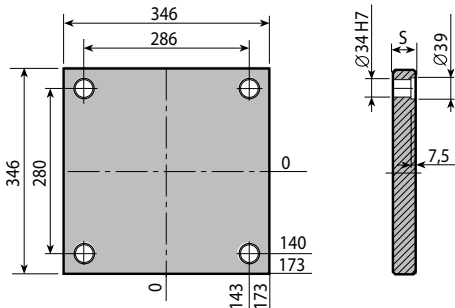
Q13



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730			●	●	●	●		●	
Toolox 33			●	●	●	●		●	

Q13 346 346 056 1730

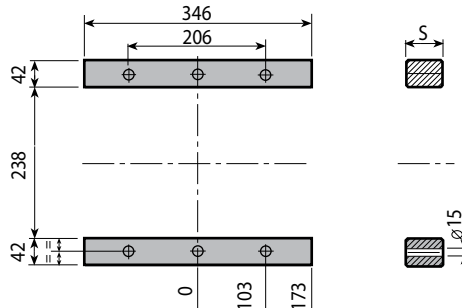
Q1T



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		●
Toolox 33	●	●	●	●	●	●	●		●

Q1T 346 346 026 1730

Q3G



Mat.	S				
	57	77	97	117	147
1730		●	●	●	

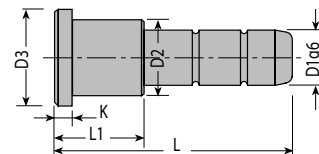
Q3G 346 346 077 1730


Leader pins

Mat.: UNI 16 Ni Cr 4

QR1

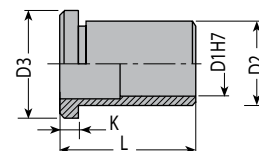
D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
25	34	38	7	10	26				●	●	●												
					36				●	●	●	●	●	●									
					46				●	●	●	●	●	●	●								
					56						●	●	●	●	●	●	●						
					66							●	●	●	●	●	●	●	●	●			
					76								●	●	●	●	●	●	●	●	●	●	
					86									●	●	●	●	●	●	●	●	●	
					96										●	●	●	●	●	●	●	●	
					106											●	●	●	●	●	●	●	
					116												●	●	●	●	●	●	


QR1 025 026 080
Bushing

Mat.: UNI 16 Ni Cr 4

QR3

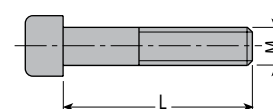
D1	D2	D3	K	L = Length											
				26	36	46	56	66	76	86	96	106	116	126	
25	34	38	7	●	●	●	●	●	●	●	●	●	●	●	●


QR3 025 026
Screw

Mat.: DIN 912 / 12.9

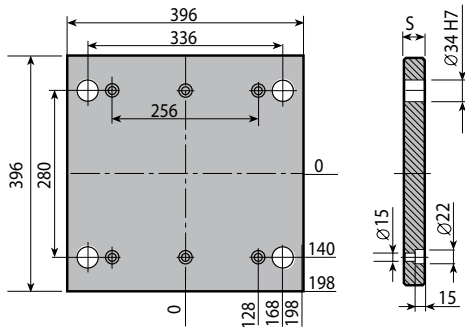
QM

M	L = Length																									
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●


QM 014 030



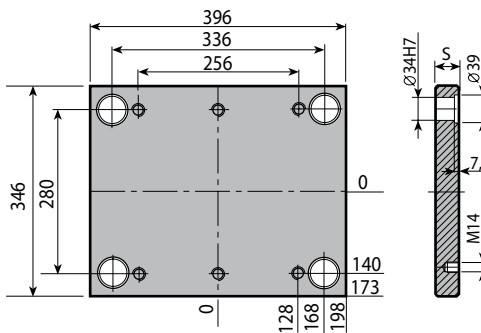
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 346 396 026 1730

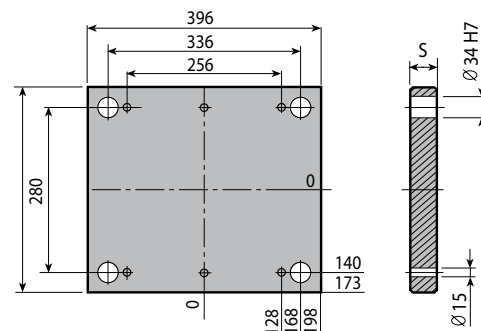
Q10



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●		●	
Toolox 33		●	●	●	●	●		●	

Q10 346 396 046 1730

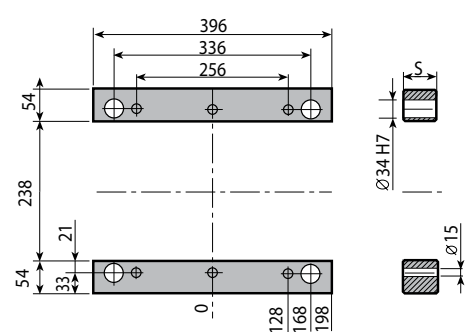
Q20



Mat.	S		
	26	36	46
1730			●

Q20 346 396 046 1730

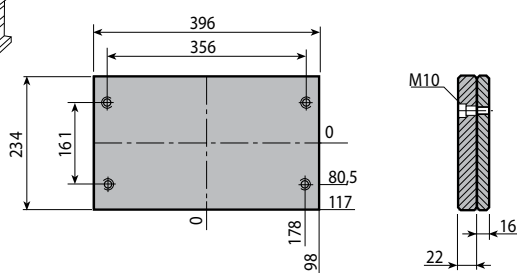
Q30



Mat.	S				
	57	77	97	117	147
1730		●	●	●	

Q30 346 396 077 1730

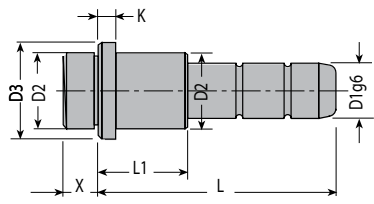
Q40 / Q50



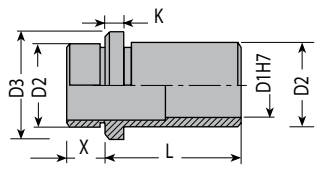
Q40 346 396 022 1730


Leader pins Mat.: UNI 16 Ni Cr 4

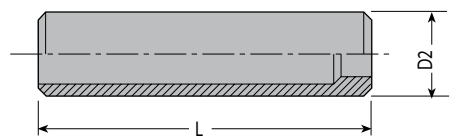
D1	D2	D3	K	X	L1	L = Length																		
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340		
25	34	38	7	10	26				●	●	●													
					36				●	●	●	●	●	●										
					46				●	●	●	●	●	●	●	●								
					56					●	●	●	●	●	●	●	●							
					66						●	●	●	●	●	●	●	●						
					76								●	●	●	●	●	●	●					
					86									●	●	●	●	●	●					
					96										●	●	●	●	●					
					106																			
					116																			

QR2 025 026 080

QR2
Bushing Mat.: UNI 16 Ni Cr 4

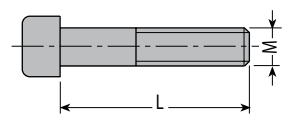
D1	D2	D3	K	X	L = Length														
					26	36	46	56	66	76	86	96							
25	34	38	7	10	●	●	●	●	●	●	●	●							

QR4 025 026

QR4
Bushing Mat.: UNI 16 Ni Cr 4

D2	L = Length						
	30	80	100	120	140	160	
34	●	●	●	●	●	●	

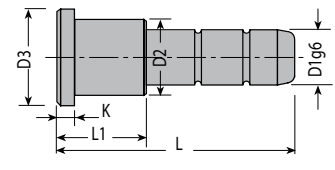
QR5 034 030

QR5
Screw Mat.: DIN 912 / 12.9

M	L = Length																								
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

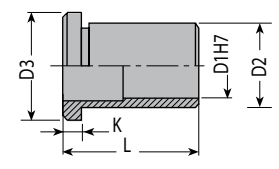
QM 014 030

QM


Leader pins Mat.: UNI 16 Ni Cr 4
QR1

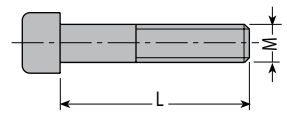
D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
25	34	38	7	10	26				●	●	●												
					36				●	●	●	●	●	●									
					46				●	●	●	●	●	●	●	●							
					56					●	●	●	●	●	●	●	●	●					
					66						●	●	●	●	●	●	●	●	●	●			
					76							●	●	●	●	●	●	●	●	●	●	●	
					86									●	●	●	●	●	●	●	●	●	●
					96										●	●	●	●	●	●	●	●	●
					106											●	●	●	●	●	●	●	●
					116												●	●	●	●	●	●	●


QR1 025 026 080
Bushing Mat.: UNI 16 Ni Cr 4
QR3

D1	D2	D3	K	L = Length												
				26	36	46	56	66	76	86	96	106	116	126		
25	34	38	7	●	●	●	●	●	●	●	●	●	●	●	●	●

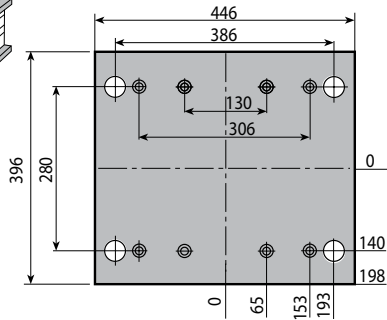

QR3 025 026
Screw Mat.: DIN 912 / 12.9
QM

M	L = Length																									
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●


QM 014 030



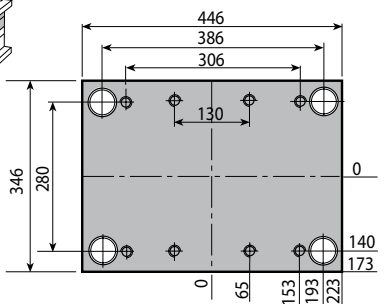
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 346 446 026 1730

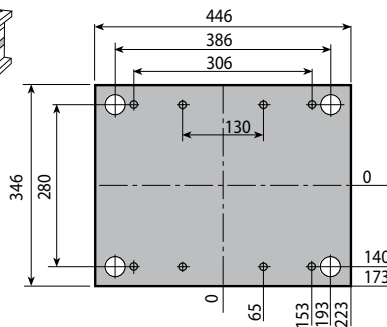
Q10



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●		●	
Toolox 33		●	●	●	●	●		●	

Q10 346 446 046 1730

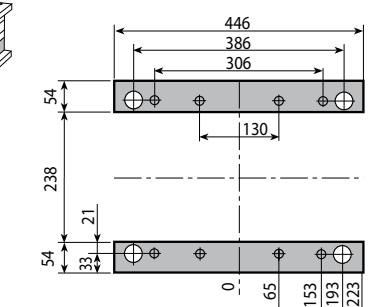
Q20



Mat.	S		
	26	36	46
1730			●

Q20 346 446 046 1730

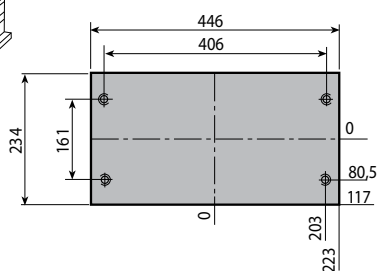
Q30



Mat.	S				
	57	77	97	117	147
1730		●	●	●	

Q30 346 446 077 1730

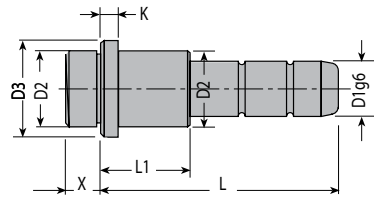
Q40 / Q50



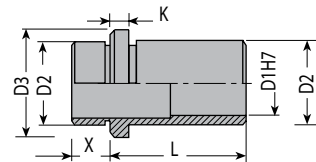
Q40 346 446 022 1730


Leader pins Mat.: UNI 16 Ni Cr 4
QR2

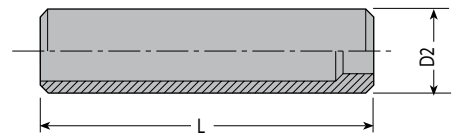
D1	D2	D3	K	X	L1	L = Length																		
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340		
25	34	38	7	10	26				●	●	●													
					36				●	●	●	●	●	●										
					46				●	●	●	●	●	●	●	●								
					56					●	●	●	●	●	●	●	●							
					66						●	●	●	●	●	●	●	●						
					76							●	●	●	●	●	●	●	●					
					86								●	●	●	●	●	●	●	●				
					96									●	●	●	●	●	●	●				
					106																			
					116																			


QR2 025 026 080
Bushing Mat.: UNI 16 Ni Cr 4
QR4

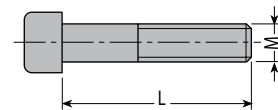
D1	D2	D3	K	X	L = Length											
					26	36	46	56	66	76	86	96				
25	34	38	7	10	●	●	●	●	●	●	●	●				


QR4 025 026
Bushing Mat.: UNI 16 Ni Cr 4
QR5

D2	L = Length						
	30	80	100	120	140	160	
34	●	●	●	●	●	●	

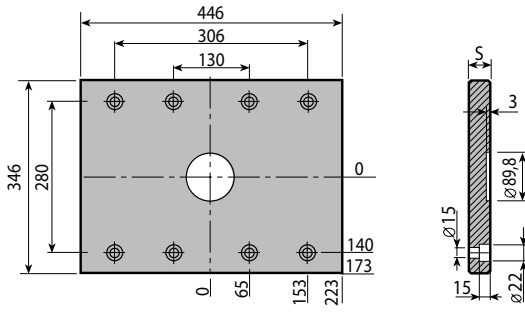

QR5 034 030
Screw Mat.: DIN 912 / 12.9
QM

M	L = Length																									
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●


QM 014 030



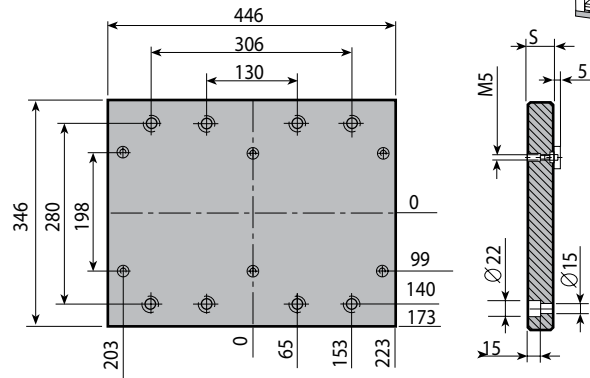
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 346 446 026 1730

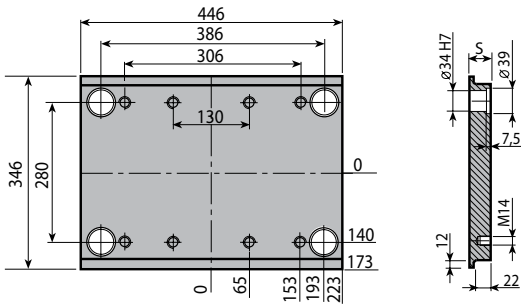
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 346 446 026 1730

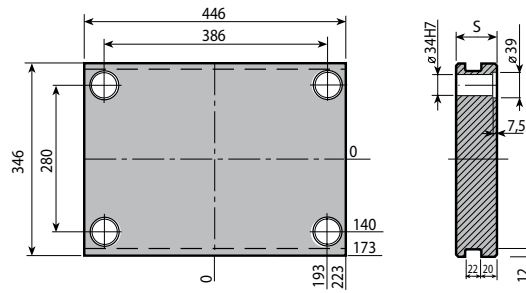
Q1C



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●			
Toolox 33		●	●	●	●	●			

Q1C 346 446 046 1730

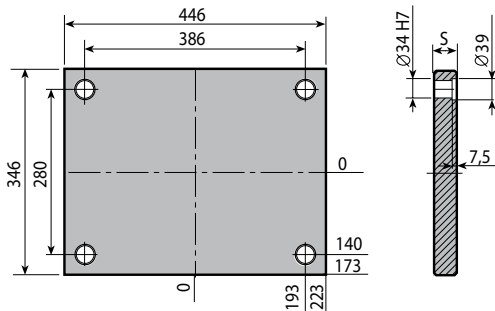
Q13



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730			●	●	●	●		●	
Toolox 33			●	●	●	●		●	

Q13 346 446 056 1730

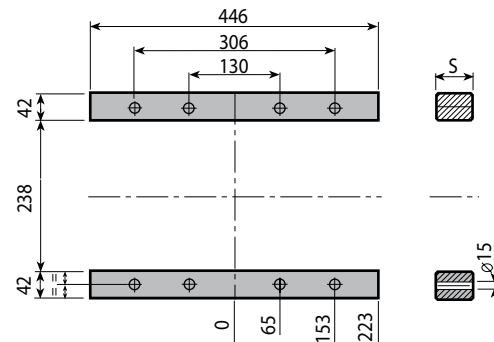
Q1T



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●		●
Toolox 33	●	●	●	●	●	●	●		●

Q1T 346 446 026 1730

Q3G

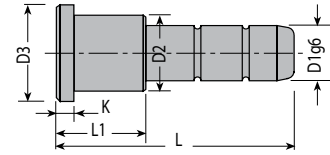


Mat.	S				
	57	77	97	117	147
1730		●	●	●	

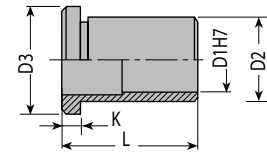
Q3G 346 446 077 1730


Leader pins Mat.: UNI 16 Ni Cr 4
QR1

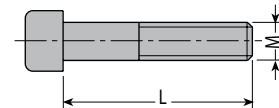
D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
25	34	38	7	10	26				●	●	●												
					36				●	●	●	●	●	●									
					46				●	●	●	●	●	●	●	●							
					56					●	●	●	●	●	●	●	●	●					
					66						●	●	●	●	●	●	●	●	●	●			
					76								●	●	●	●	●	●	●	●	●	●	
					86										●	●	●	●	●	●	●	●	
					96											●	●	●	●	●	●	●	
					106												●	●	●	●	●	●	
					116													●	●	●	●	●	


QR1 025 026 080
Bushing Mat.: UNI 16 Ni Cr 4
QR3

D1	D2	D3	K	L = Length												
				26	36	46	56	66	76	86	96	106	116	126		
25	34	38	7	●	●	●	●	●	●	●	●	●	●	●	●	●

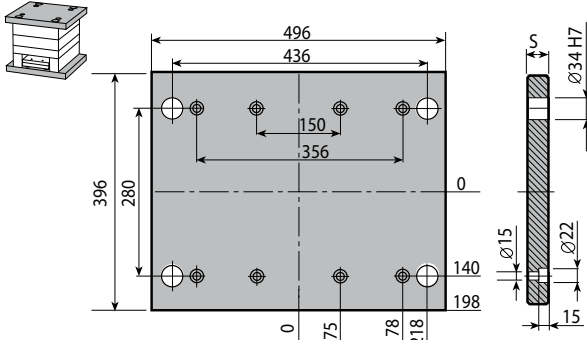

QR3 025 026
Screw Mat.: DIN 912 / 12.9
QM

M	L = Length																									
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●


QM 014 030



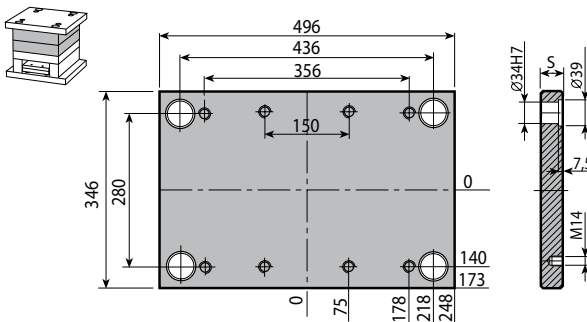
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 346 496 026 1730

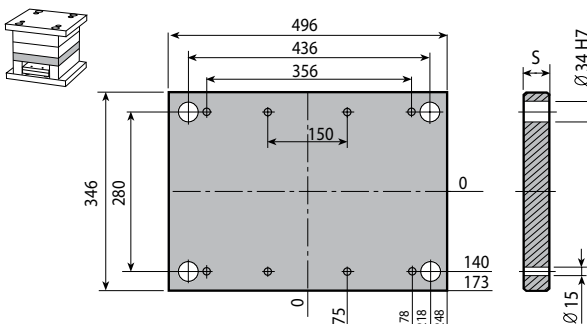
Q10



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●		●	
Toolox 33		●	●	●	●	●		●	

Q10 346 496 046 1730

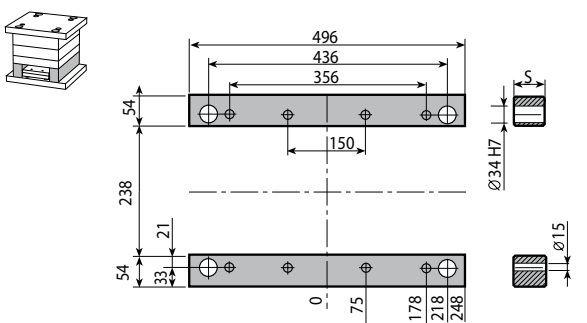
Q20



Mat.	S		
	26	36	46
1730			●

Q20 346 496 046 1730

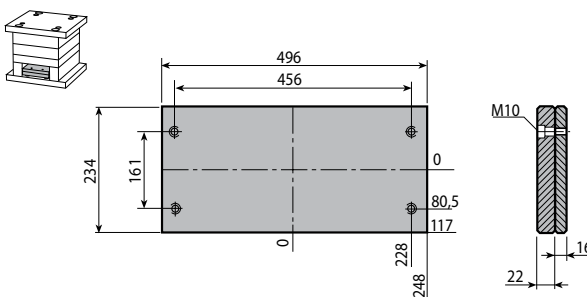
Q30



Mat.	S				
	57	77	97	117	147
1730		●	●	●	

Q30 346 496 077 1730

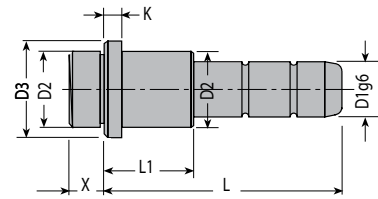
Q40 / Q50



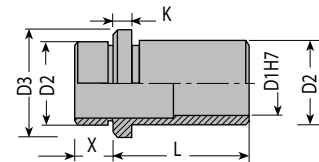
Q40 346 496 022 1730


Leader pins Mat.: UNI 16 Ni Cr 4
QR2

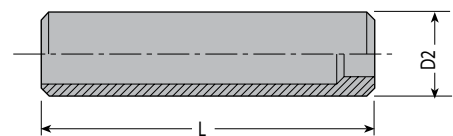
D1	D2	D3	K	X	L1	L = Length																	
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340	
25	34	38	7	10	26				●	●	●												
					36				●	●	●	●	●	●									
					46				●	●	●	●	●	●	●	●							
					56					●	●	●	●	●	●	●	●						
					66						●	●	●	●	●	●	●	●					
					76								●	●	●	●	●	●					
					86										●	●	●	●					
					96											●	●	●	●				
					106																		
					116																		


QR2 025 026 080
Bushing Mat.: UNI 16 Ni Cr 4
QR4

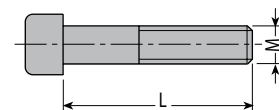
D1	D2	D3	K	X	L = Length													
					26	36	46	56	66	76	86	96						
25	34	38	7	10	●	●	●	●	●	●	●	●						


QR4 025 026
Bushing Mat.: UNI 16 Ni Cr 4
QR5

D2	L = Length						
	30	80	100	120	140	160	
34	●	●	●	●	●	●	

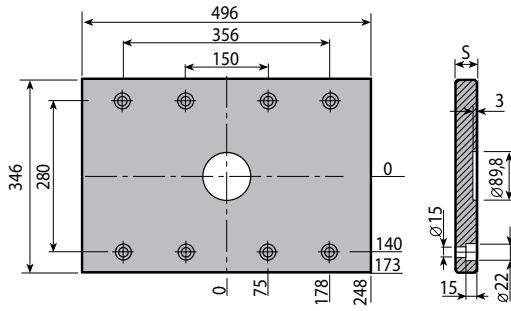

QR5 034 030
Screw Mat.: DIN 912 / 12.9
QM

M	L = Length																									
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	
14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●


QM 014 030



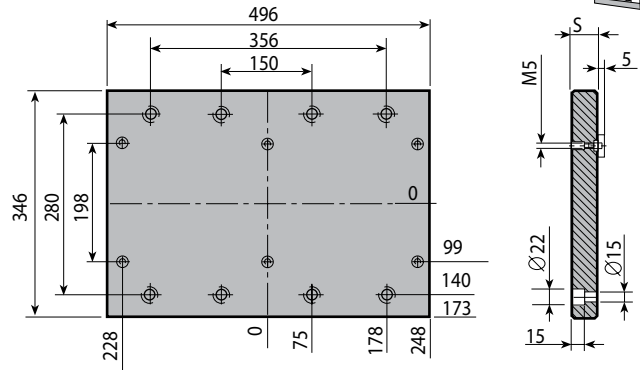
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 346 496 026 1730

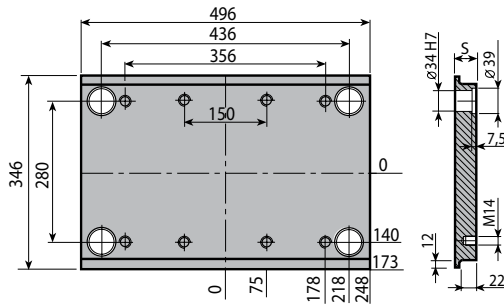
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 346 496 026 1730

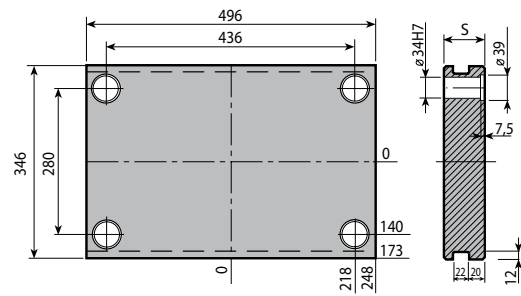
Q1C



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●			
Toolox 33		●	●	●	●	●			

Q1C 346 496 046 1730

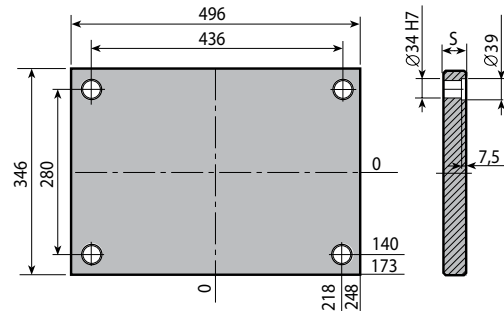
Q13



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730			●	●	●	●		●	
Toolox 33			●	●	●	●		●	

Q13 346 496 056 1730

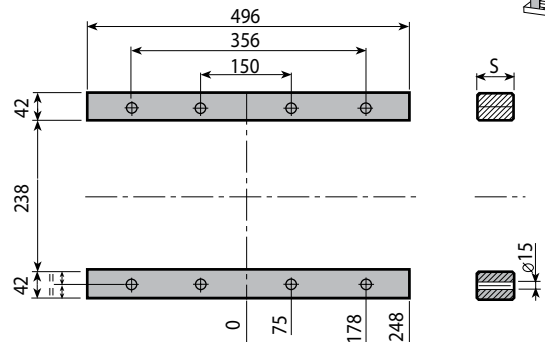
Q1T



Mat.	S								
	26	36	46	56	66	76	96	106	116
1730	●	●	●	●	●	●	●	●	●
Toolox 33	●	●	●	●	●	●	●	●	●

Q1T 346 496 026 1730

Q3G

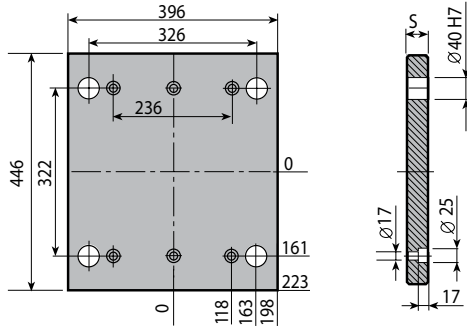


Mat.	S				
	57	77	97	117	147
1730		●	●	●	

Q3G 346 496 077 1730



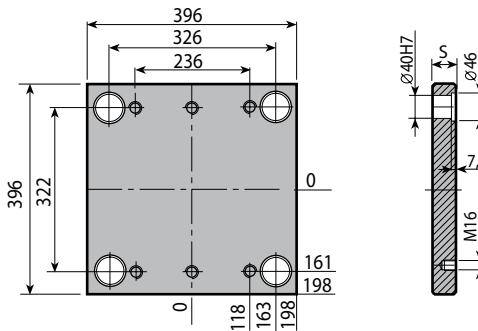
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 396 396 026 1730

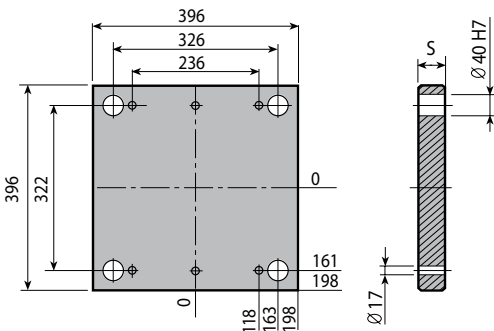
Q10



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	●
Toolox 33		●	●	●	●	●	●	●	●

Q10 396 396 046 1730

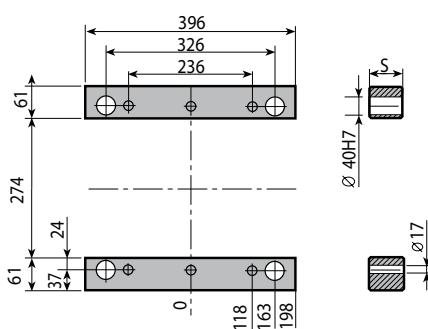
Q20



Mat.	S		
	26	36	46
1730			●

Q20 396 396 046 1730

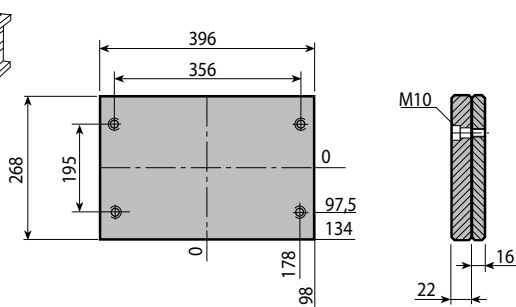
Q30



Mat.	S				
	57	77	97	117	147
1730		●	●	●	

Q30 396 396 077 1730

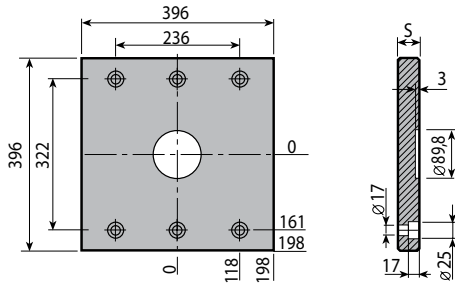
Q40 / Q50



Q40 396 396 022 1730



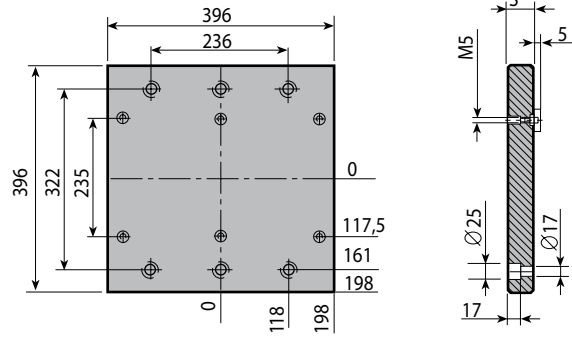
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 396 396 026 1730

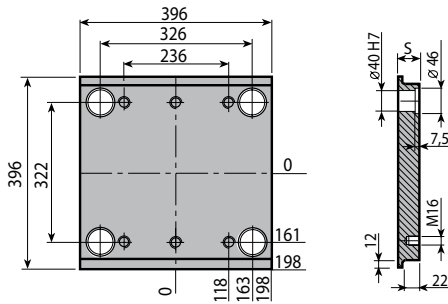
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 396 396 026 1730

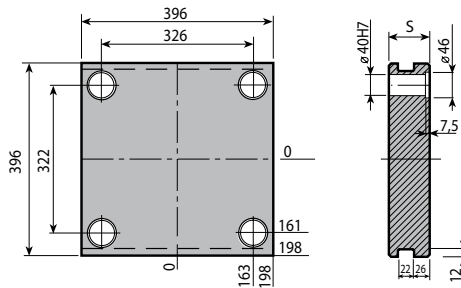
Q1C



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●		
Toolox 33		●	●	●	●	●	●		

Q1C 396 396 046 1730

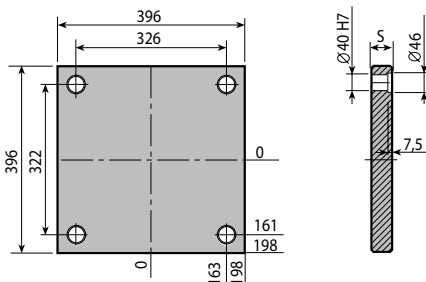
Q13



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730			●	●	●	●	●	●	●
Toolox 33			●	●	●	●	●	●	●

Q13 396 396 056 1730

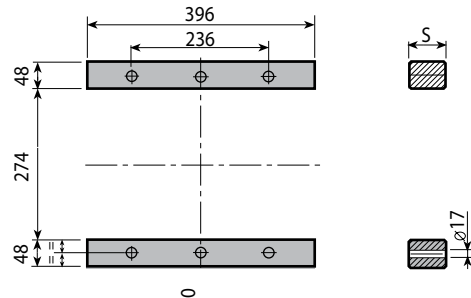
Q1T



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730	●	●	●	●	●	●	●	●	●
Toolox 33	●	●	●	●	●	●	●	●	●

Q1T 396 396 036 1730

Q3G

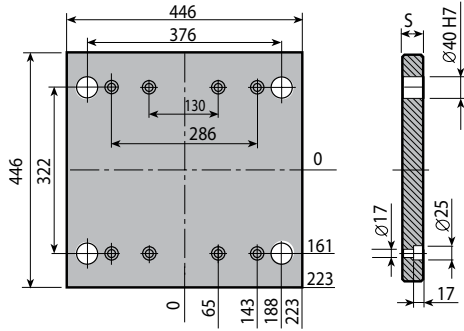


Mat.	S				
	57	77	97	117	147
1730		●	●	●	

Q3G 396 396 077 1730



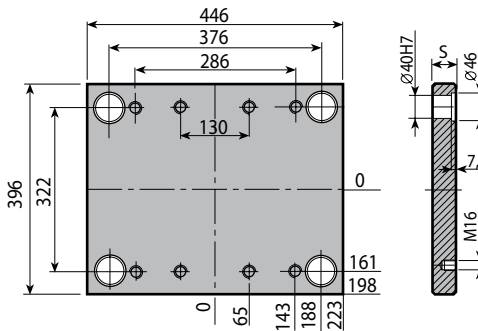
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 396 446 026 1730

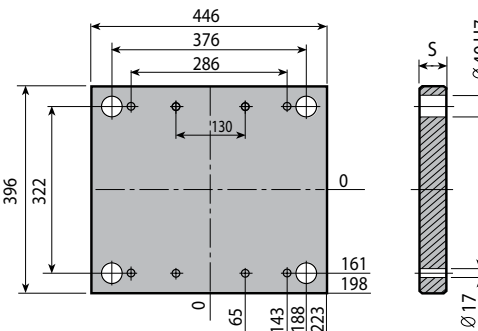
Q10



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	●
Toolox 33		●	●	●	●	●	●	●	●

Q10 396 446 046 1730

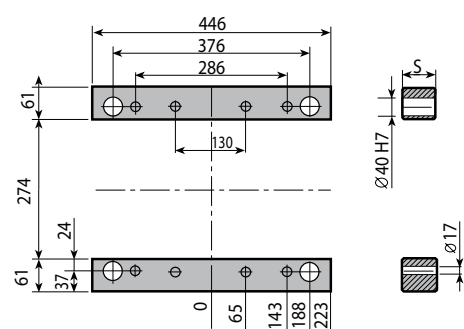
Q20



Mat.	S		
	26	36	46
1730			●

Q20 396 446 046 1730

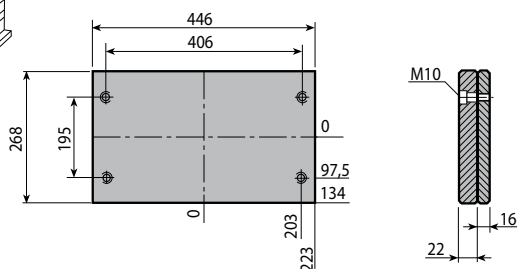
Q30



Mat.	S				
	57	77	97	117	147
1730		●	●	●	

Q30 396 446 077 1730

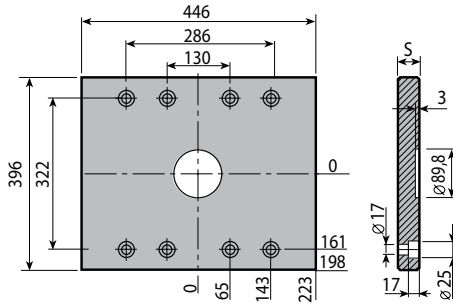
Q40 / Q50



Q40 396 446 022 1730



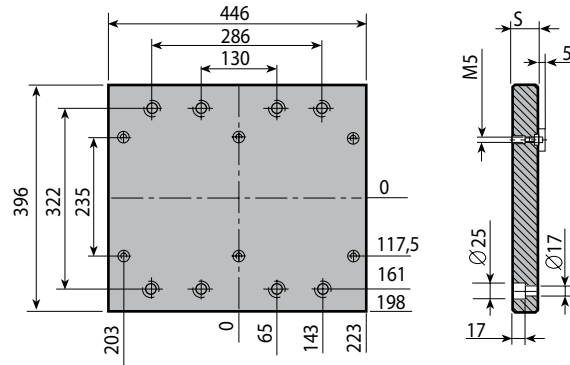
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 396 446 026 1730

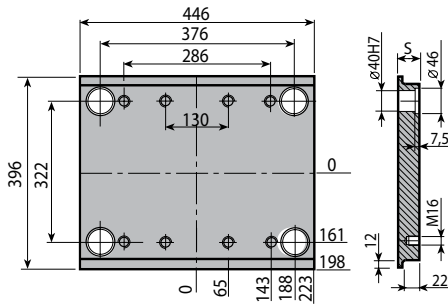
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 396 446 026 1730

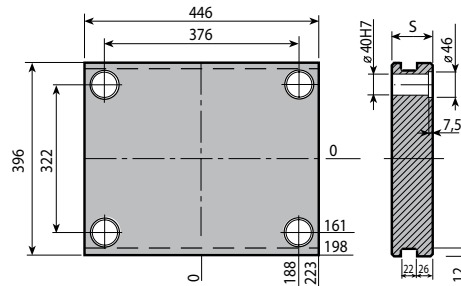
Q1C



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	
Toolox 33		●	●	●	●	●	●		

Q1C 396 446 046 1730

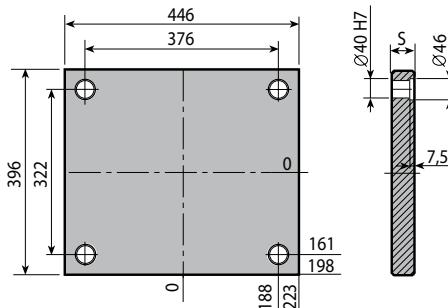
Q13



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730			●	●	●	●	●	●	●
Toolox 33			●	●	●	●	●	●	●

Q13 396 446 056 1730

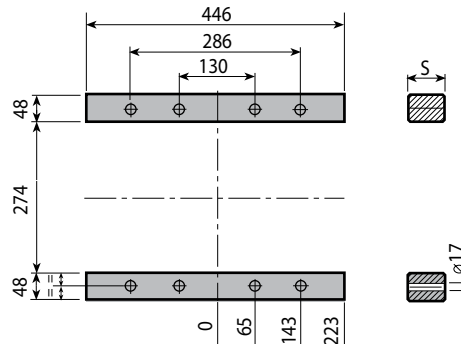
Q1T



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730	●	●	●	●	●	●	●	●	●
Toolox 33	●	●	●	●	●	●	●	●	●

Q1T 396 446 036 1730

Q3G

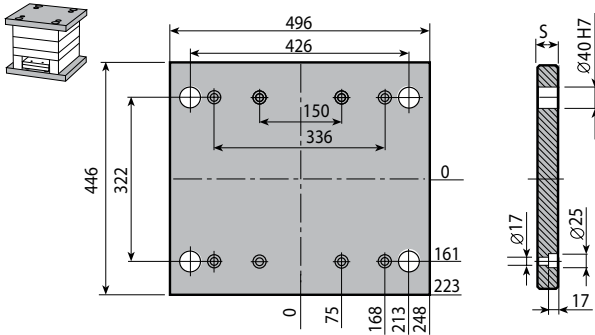


Mat.	S				
	57	77	97	117	147
1730		●	●	●	

Q3G 396 446 077 1730



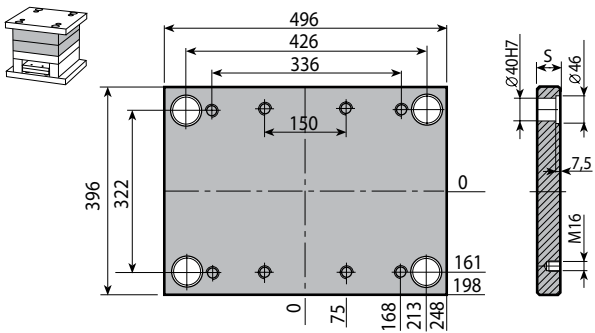
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 396 496 026 1730

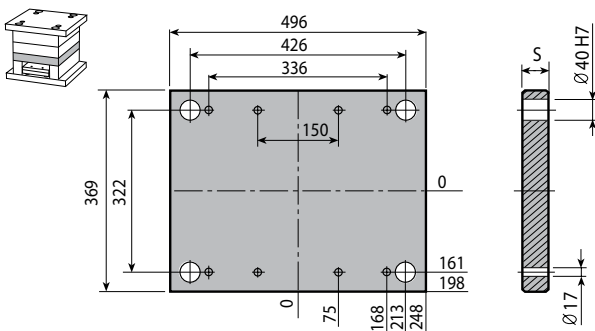
Q10



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	●
Toolox 33		●	●	●	●	●	●	●	●

Q10 396 496 046 1730

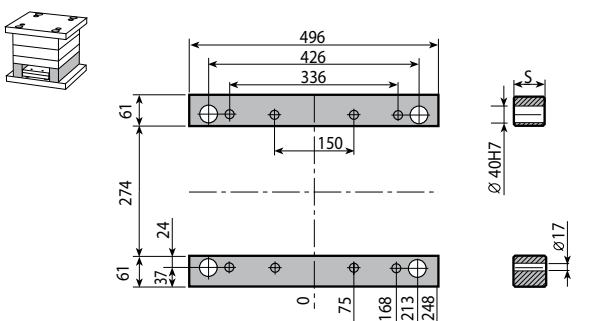
Q20



Mat.	S		
	26	36	46
1730			●

Q20 396 496 046 1730

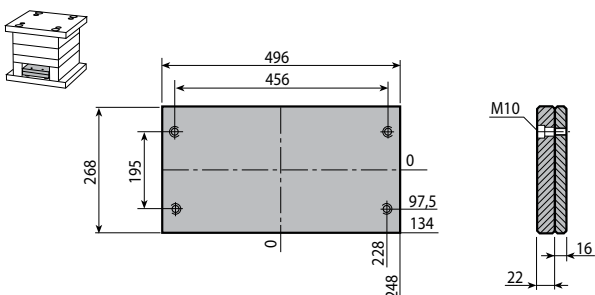
Q30



Mat.	S				
	57	77	97	117	147
1730		●	●	●	

Q30 396 496 077 1730

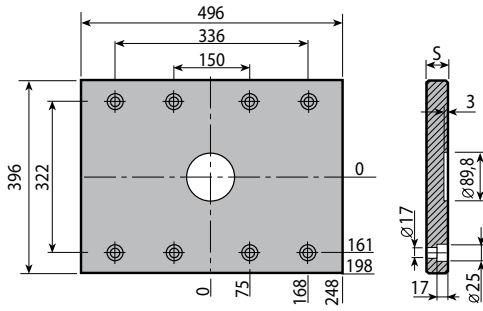
Q40 / Q50



Q40 396 496 022 1730



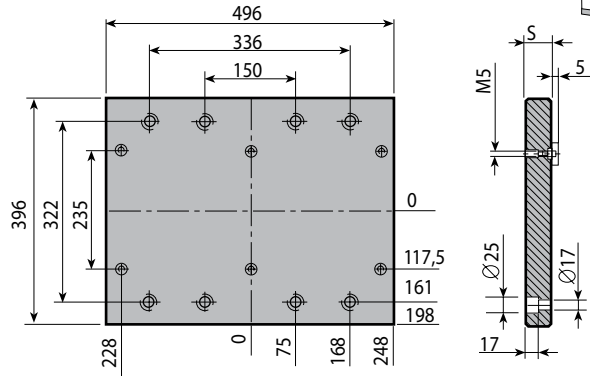
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 396 496 026 1730

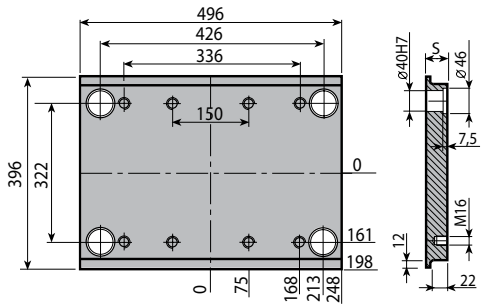
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 396 496 026 1730

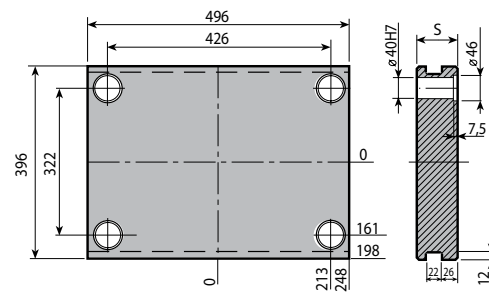
Q1C



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	
Toolox 33		●	●	●	●	●	●		

Q1C 396 496 046 1730

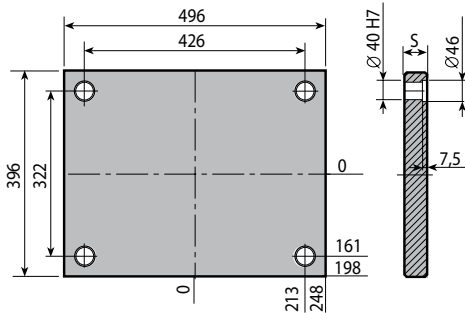
Q13



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730			●	●	●	●	●	●	●
Toolox 33			●	●	●	●	●	●	●

Q13 396 496 056 1730

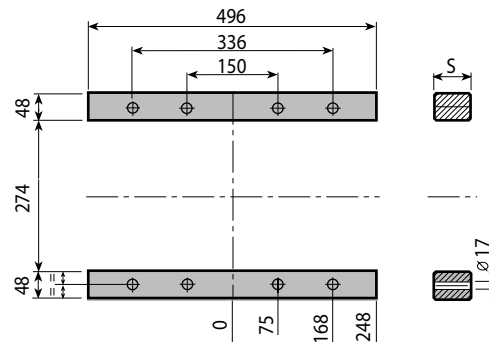
Q1T



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730	●	●	●	●	●	●	●	●	●
Toolox 33	●	●	●	●	●	●	●	●	●

Q1T 396 496 036 1730

Q3G

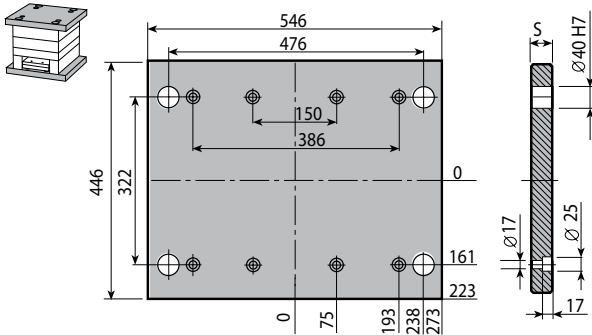


Mat.	S				
	57	77	97	117	147
1730		●	●	●	

Q3G 396 496 077 1730



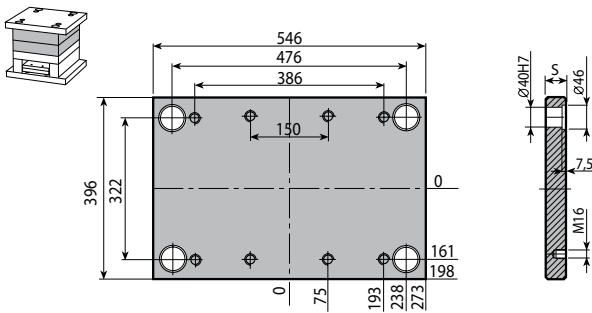
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 396 546 026 1730

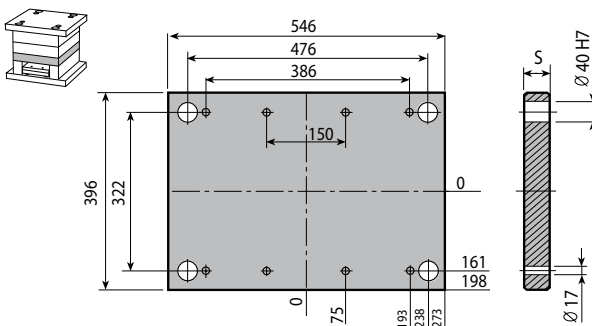
Q10



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	●
Toolox 33		●	●	●	●	●	●	●	●

Q10 396 546 046 1730

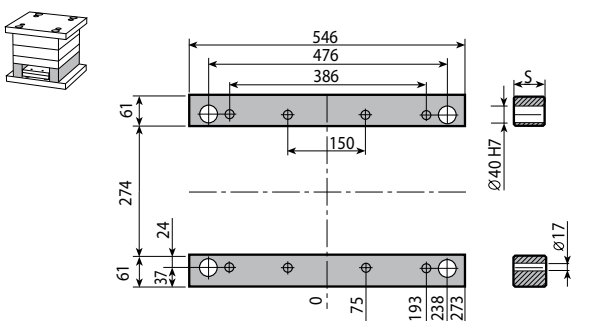
Q20



Mat.	S		
	26	36	46
1730			●

Q20 396 546 046 1730

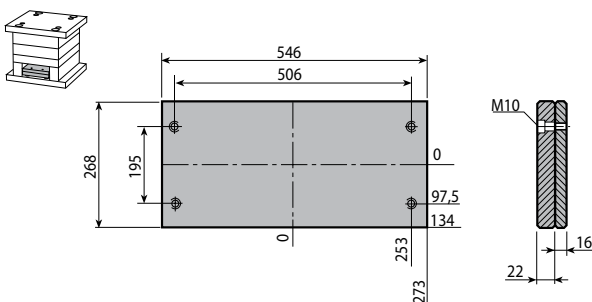
Q30



Mat.	S				
	57	77	97	117	147
1730		●	●	●	

Q30 396 546 077 1730

Q40 / Q50

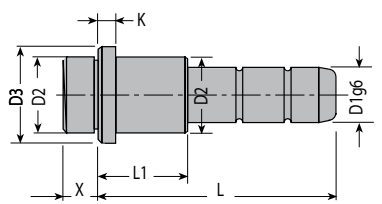


Q40 396 546 022 1730


Leader pins Mat.: UNI 16 Ni Cr 4

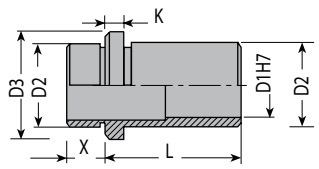
D1	D2	D3	K	X	L1	L = Length																
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340
32	40	45	7	10	36						●											
					46					●	●	●	●									
					56					●	●	●	●	●	●	●						
					66							●	●	●	●	●	●	●				
					76								●	●	●	●	●	●	●			
					86									●	●	●	●	●	●	●		
					96										●	●	●	●	●	●	●	
					106											●	●	●	●	●	●	●
					116												●	●	●	●	●	●
					126													●	●	●	●	●
146														●	●	●	●					

QR2 032 036 100


QR2
Bushing Mat.: UNI 16 Ni Cr 4

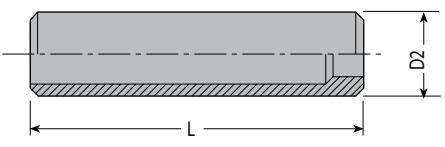
D1	D2	D3	K	X	L = Length														
					36	46	56	66	76	86	96	106	116	126	146				
32	40	45	7	10	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

QR4 032 036


QR4
Bushing Mat.: UNI 16 Ni Cr 4

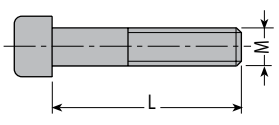
D2	L = Length						
	30	100	120	140	160	180	
40	●	●	●	●	●	●	

QR5 040 030


QR5
Screw Mat.: DIN 912 / 12.9

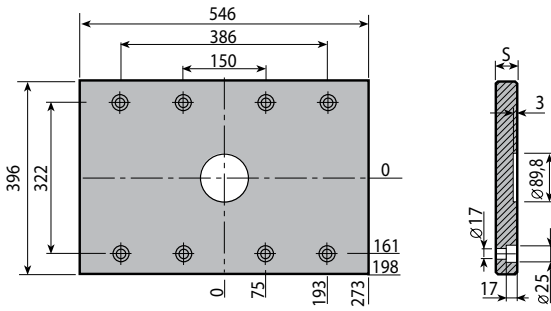
M	L = Length																									
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	
16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

QM 016 030


QM



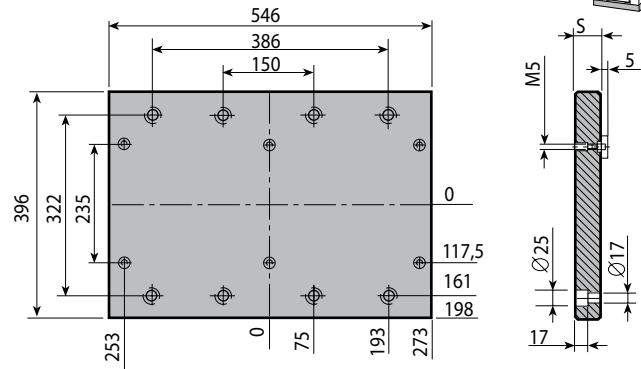
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 396 546 026 1730

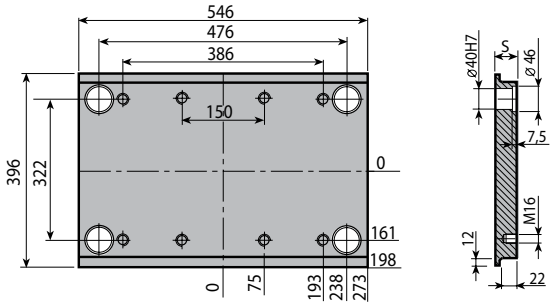
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 396 546 026 1730

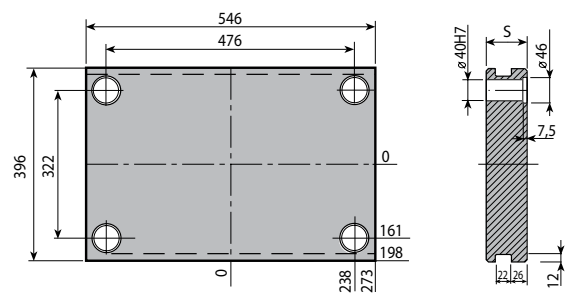
Q1C



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	
Toolox 33		●	●	●	●	●	●		

Q1C 396 546 046 1730

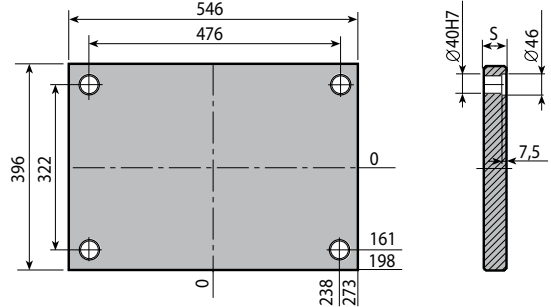
Q13



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730			●	●	●	●	●	●	●
Toolox 33			●	●	●	●	●	●	●

Q13 396 546 056 1730

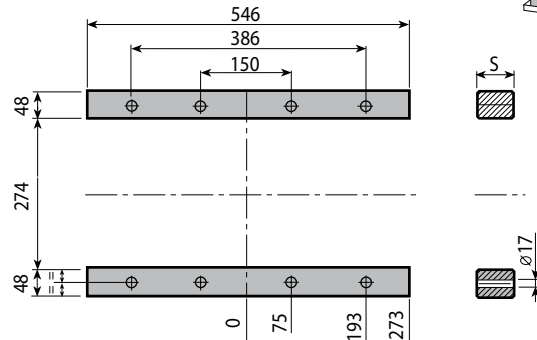
Q1T



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730	●	●	●	●	●	●	●	●	●
Toolox 33	●	●	●	●	●	●	●	●	●

Q1T 396 546 036 1730

Q3G

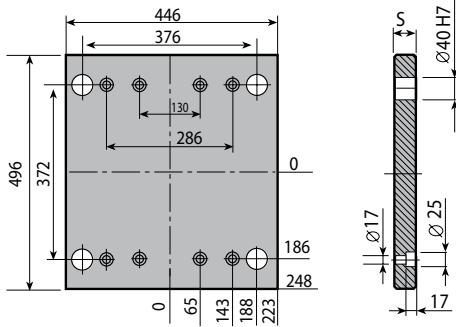


Mat.	S				
	57	77	97	117	147
1730		●	●	●	

Q3G 396 546 077 1730



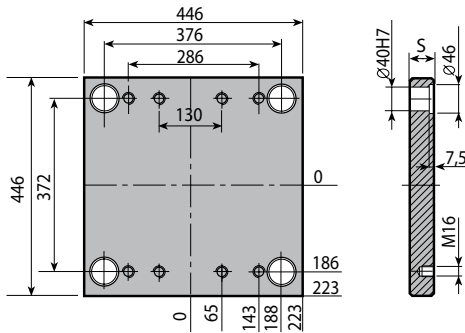
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 446 446 026 1730

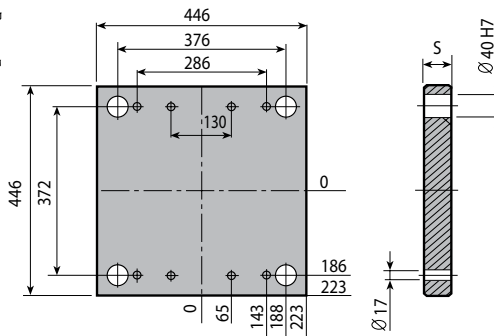
Q10



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	●
Toolox 33		●	●	●	●	●	●	●	●

Q10 446 446 046 1730

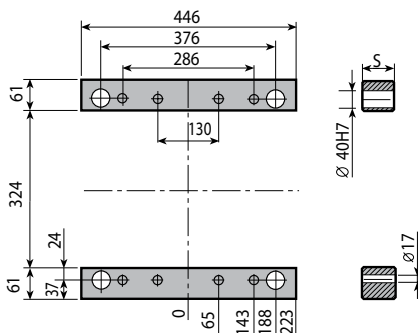
Q20



Mat.	S		
	26	36	46
1730			●

Q20 446 446 046 1730

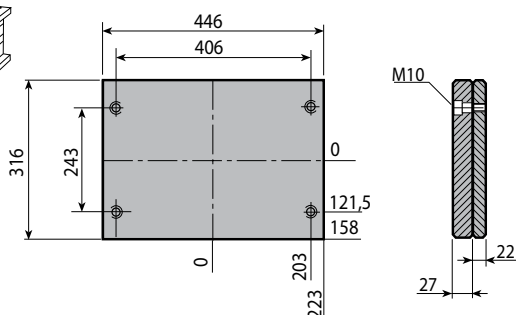
Q30



Mat.	S				
	57	77	97	117	147
1730			●	●	●

Q30 446 446 097 1730

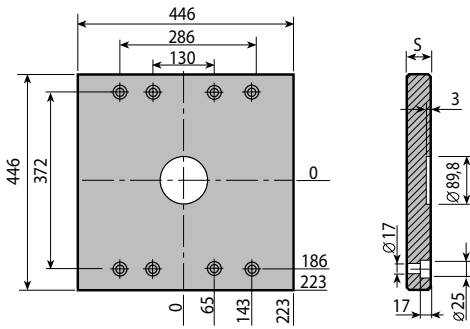
Q40 / Q50



Q40 446 446 022 1730



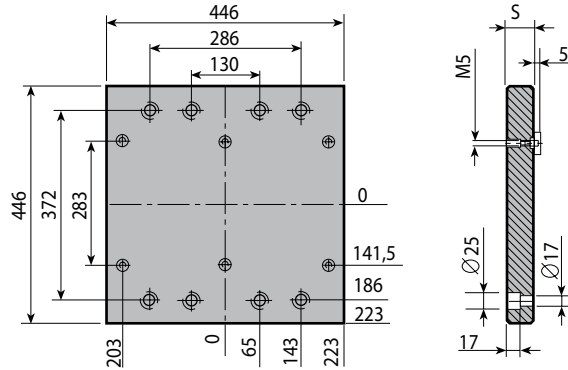
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 446 446 026 1730

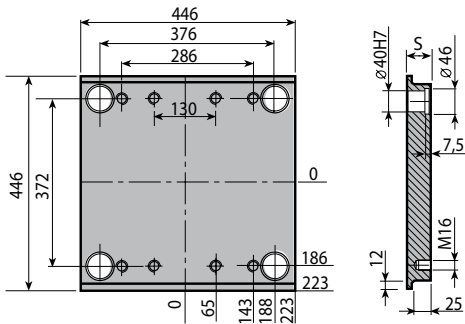
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 446 446 026 1730

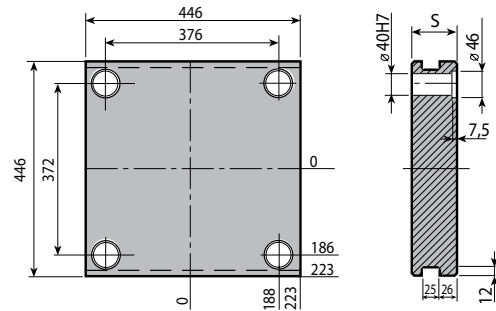
Q1C



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	●
Toolox 33		●	●	●	●	●	●	●	●

Q1C 446 446 046 1730

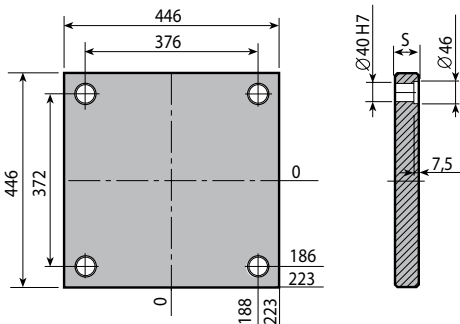
Q13



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730			●	●	●	●	●	●	●
Toolox 33			●	●	●	●	●	●	●

Q13 446 446 056 1730

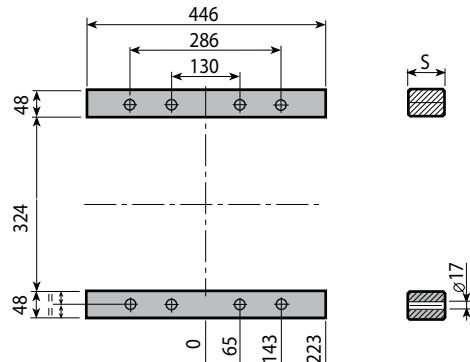
Q1T



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730	●	●	●	●	●	●	●	●	●
Toolox 33	●	●	●	●	●	●	●	●	●

Q1T 446 446 036 1730

Q3G

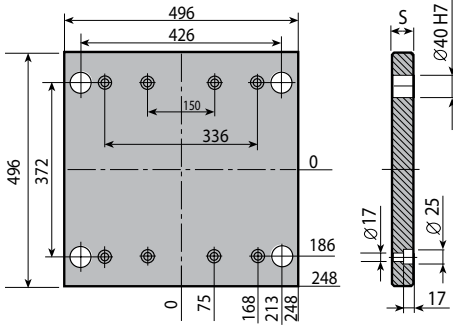


Mat.	S				
	57	77	97	117	147
1730			●	●	●

Q3G 446 446 097 1730



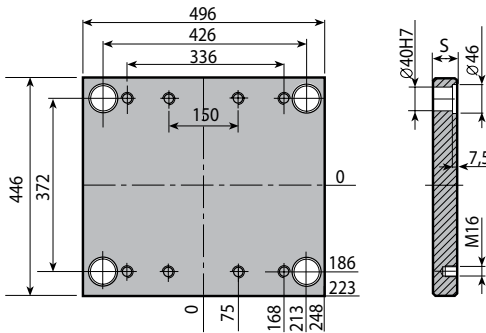
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 446 496 026 1730

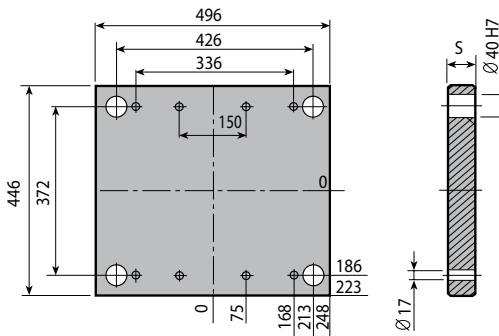
Q10



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	●
Toolox 33		●	●	●	●	●	●	●	●

Q10 446 496 046 1730

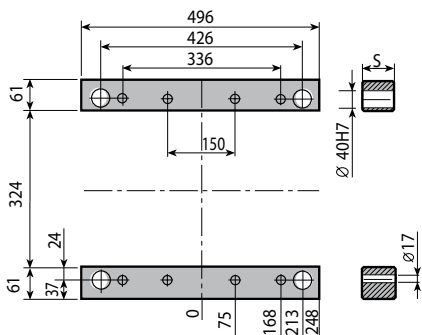
Q20



Mat.	S		
	26	36	46
1730			●

Q20 446 496 046 1730

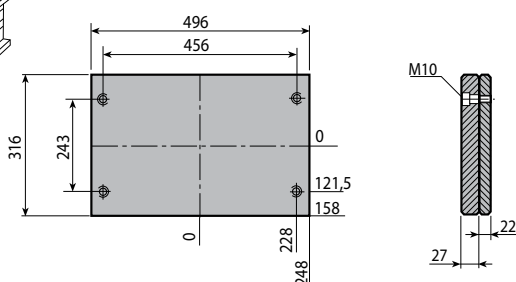
Q30



Mat.	S				
	57	77	97	117	147
1730			●	●	●

Q30 446 496 097 1730

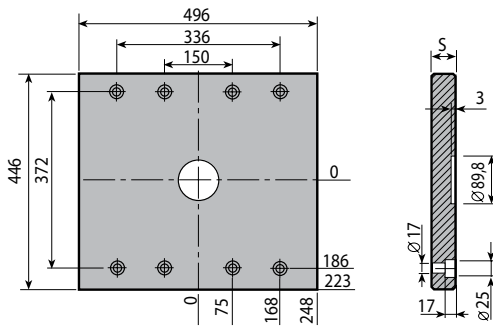
Q40 / Q50



Q40 446 496 022 1730



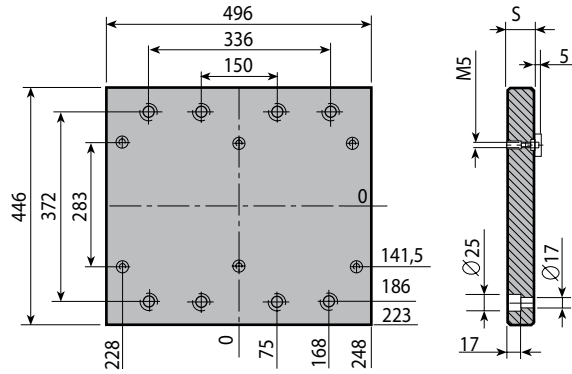
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 446 496 026 1730

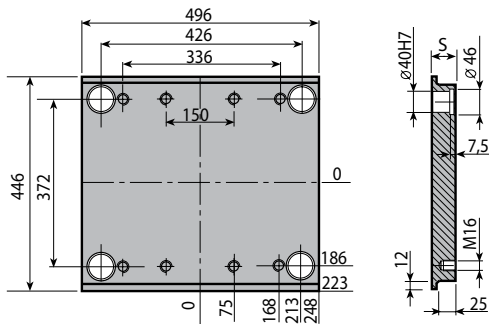
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 446 496 026 1730

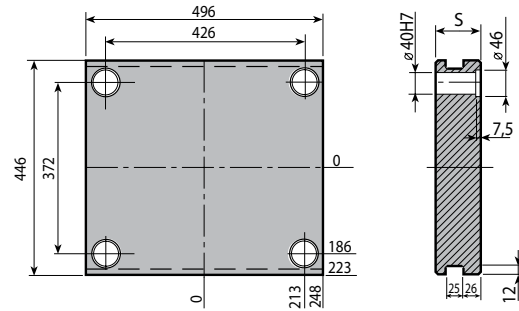
Q1C



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	●
Toolox 33		●	●	●	●	●	●	●	●

Q1C 446 496 046 1730

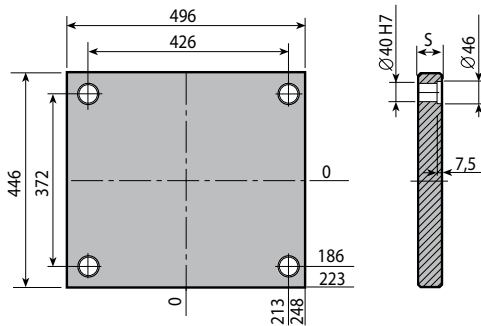
Q13



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730			●	●	●	●	●	●	●
Toolox 33			●	●	●	●	●	●	●

Q13 446 496 056 1730

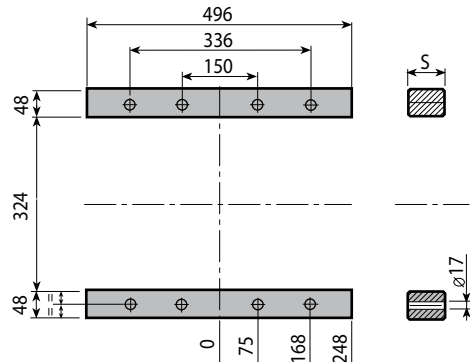
Q1T



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730	●	●	●	●	●	●	●	●	●
Toolox 33	●	●	●	●	●	●	●	●	●

Q1T 446 496 036 1730

Q3G

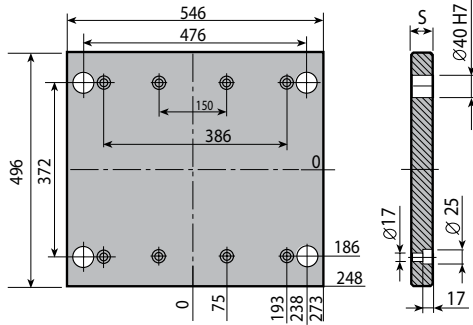


Mat.	S				
	57	77	97	117	147
1730			●	●	●

Q3G 446 496 097 1730



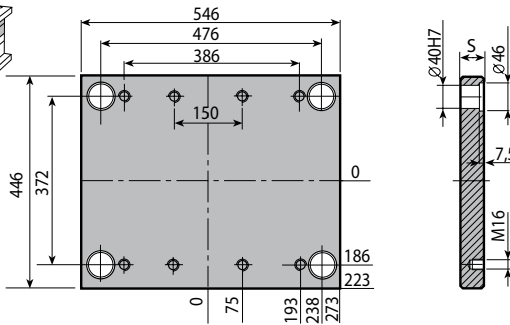
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 446 546 026 1730

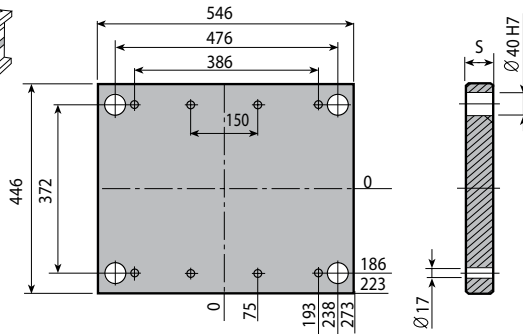
Q10



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	●
Toolox 33		●	●	●	●	●	●	●	●

Q10 446 546 046 1730

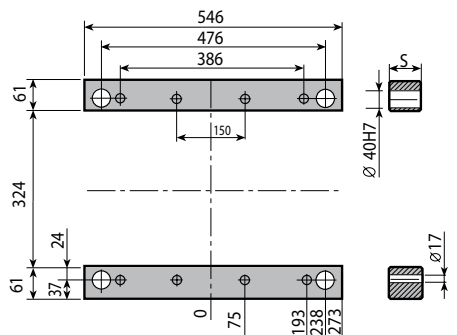
Q20



Mat.	S		
	26	36	46
1730			●

Q20 446 546 046 1730

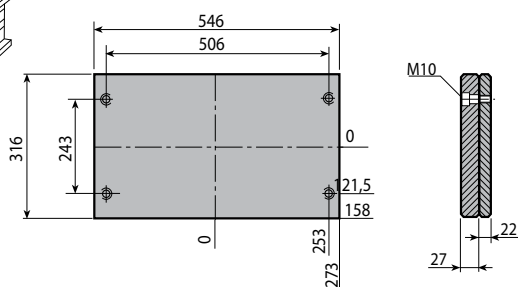
Q30



Mat.	S				
	57	77	97	117	147
1730			●	●	●

Q30 446 546 097 1730

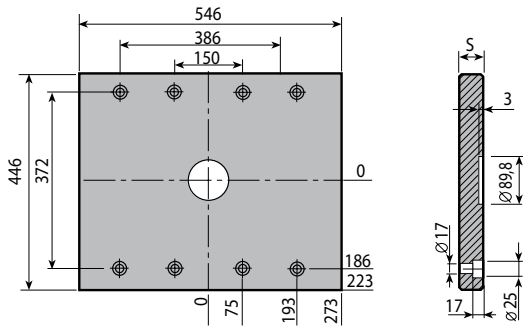
Q40 / Q50



Q40 446 546 022 1730



Q04

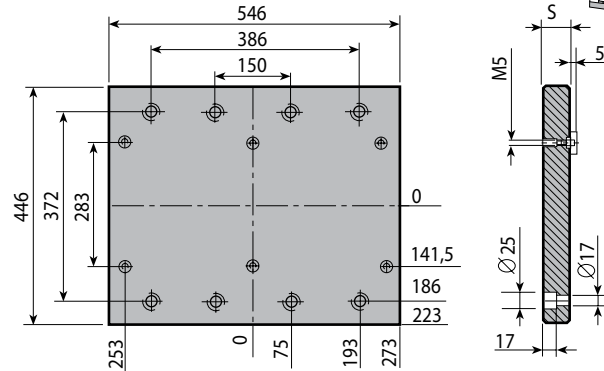


Mat.	S		
	22	26	36
1730		●	



Q04 446 546 026 1730

Q03

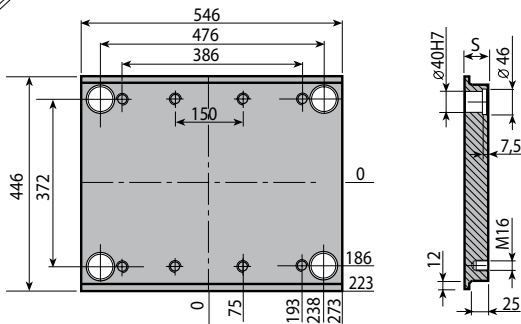


Mat.	S		
	22	26	36
1730		●	



Q03 446 546 026 1730

Q1C

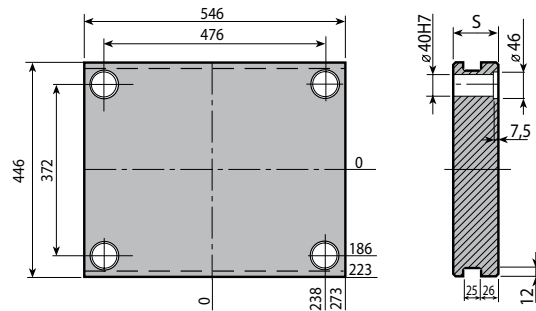


Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	●
Toolox 33		●	●	●	●	●	●	●	●



Q1C 446 546 046 1730

Q13

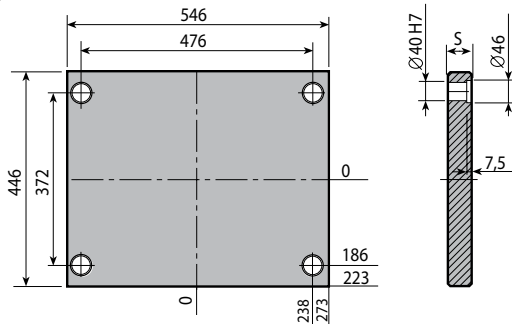


Mat.	S								
	36	46	56	66	76	96	106	116	146
1730			●	●	●	●	●	●	●
Toolox 33			●	●	●	●	●	●	●



Q13 446 546 056 1730

Q1T

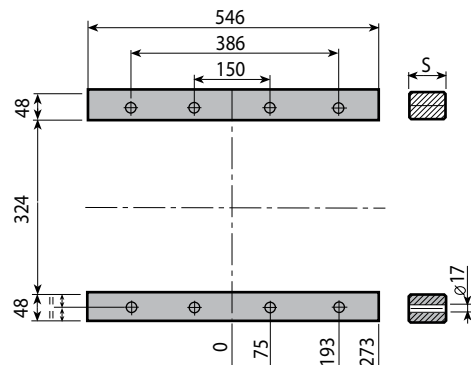


Mat.	S								
	36	46	56	66	76	96	106	116	146
1730	●	●	●	●	●	●	●	●	●
Toolox 33	●	●	●	●	●	●	●	●	●



Q1T 446 546 036 1730

Q3G



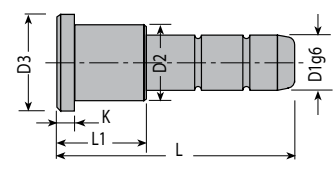
Mat.	S				
	57	77	97	117	147
1730			●	●	●



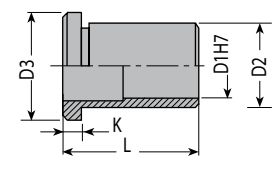
Q3G 446 546 097 1730


Leader pins Mat.: UNI 16 Ni Cr 4
QR1

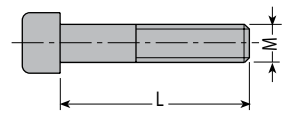
D1	D2	D3	K	X	L1	L = Length																
						50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	340
32	40	45	7	10	36						●											
					46					●	●	●										
					56					●	●	●	●	●	●	●	●					
					66						●	●	●	●	●	●	●	●	●			
					76							●	●	●	●	●	●	●	●	●		
					86								●	●	●	●	●	●	●	●	●	
					96									●	●	●	●	●	●	●	●	●
					106										●	●	●	●	●	●	●	●
					116											●	●	●	●	●	●	●
					126												●	●	●	●	●	●
146													●	●	●	●	●					


QR1 032 036 100
Bushing Mat.: UNI 16 Ni Cr 4
QR3

D1	D2	D3	K	L = Length											
				36	46	56	66	76	86	96	106	116	126	146	
32	40	45	7	●	●	●	●	●	●	●	●	●	●	●	●

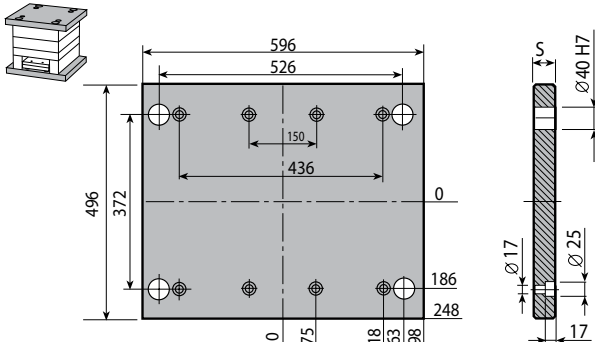

QR3 032 036
Screw Mat.: DIN 912 / 12.9
QM

M	L = Length																									
	30	35	40	45	50	55	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	240	260	
16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●


QM 016 030



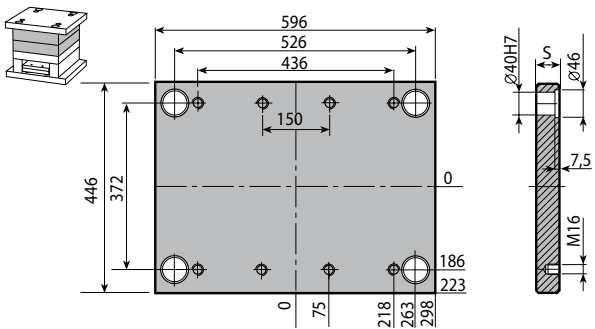
Q01



Mat.	S		
	22	26	36
1730		●	

Q01 446 596 026 1730

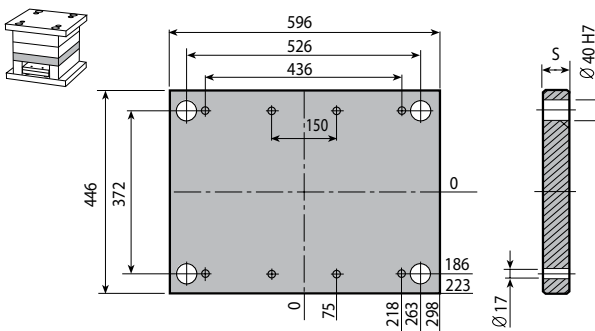
Q10



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	●
Toolox 33		●	●	●	●	●	●	●	●

Q10 446 596 046 1730

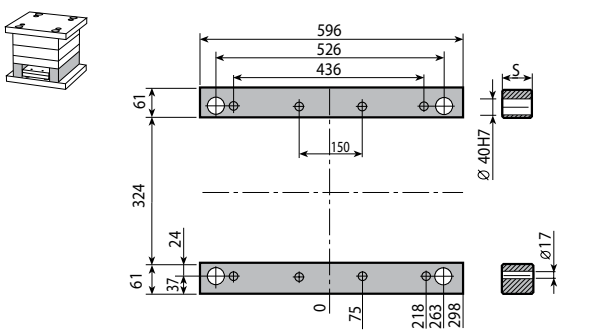
Q20



Mat.	S		
	26	36	46
1730			●

Q20 446 596 046 1730

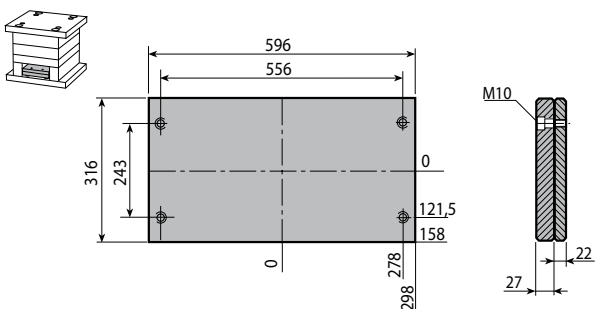
Q30



Mat.	S				
	57	77	97	117	147
1730			●	●	●

Q30 446 596 097 1730

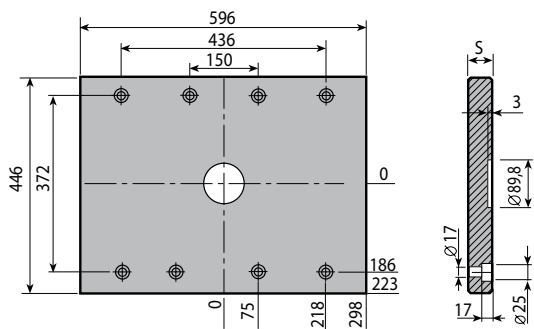
Q40 / Q50



Q40 446 596 022 1730



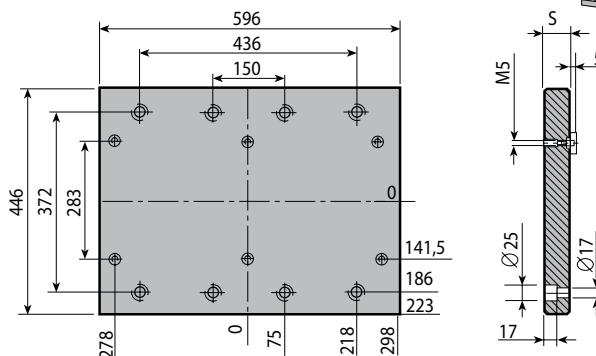
Q04



Mat.	S		
	22	26	36
1730		●	

Q04 446 596 026 1730

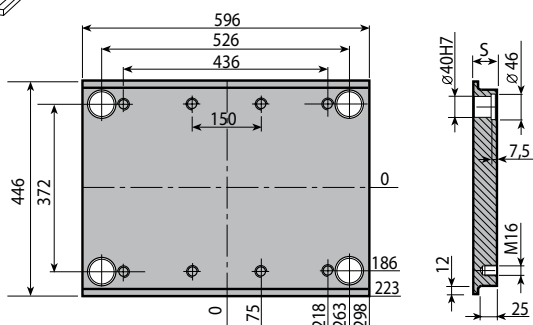
Q03



Mat.	S		
	22	26	36
1730		●	

Q03 446 596 026 1730

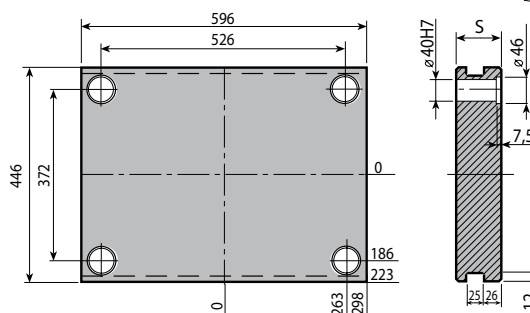
Q1C



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	●
Toolox 33		●	●	●	●	●	●	●	●

Q1C 446 596 046 1730

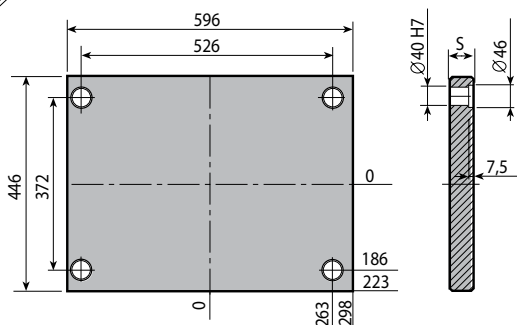
Q13



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730		●	●	●	●	●	●	●	●
Toolox 33		●	●	●	●	●	●	●	●

Q13 446 596 056 1730

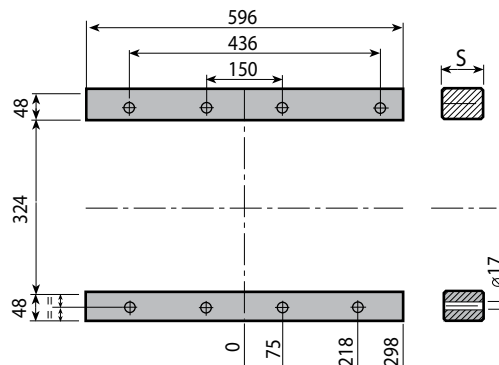
Q1T



Mat.	S								
	36	46	56	66	76	96	106	116	146
1730	●	●	●	●	●	●	●	●	●
Toolox 33	●	●	●	●	●	●	●	●	●

Q1T 446 596 036 1730

Q3G



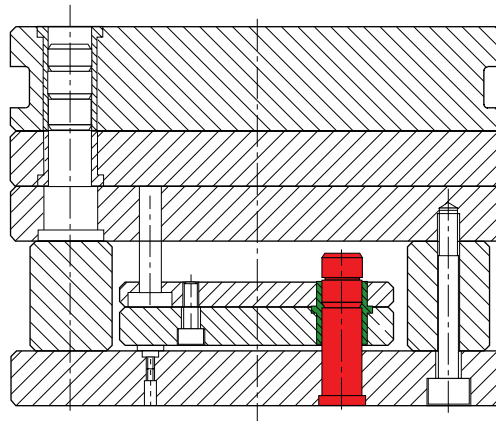
Mat.	S				
	57	77	97	117	147
1730			●	●	●

Q3G 446 596 097 1730



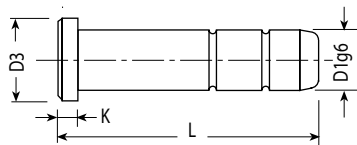
Info

Guided Ejection



QEP

Leader pin

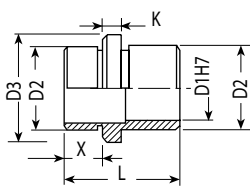


W	D1	D2	K	L																
				50	60	70	80	90	100	120	140	160	180	200	220	240	260	280	300	350
156 196	14	18	5	●	●	●	●	●	●	●	●	●								
246	16	20	5	●	●	●	●	●	●	●	●	●	●							
296 346	20	24	6		●	●	●	●	●	●	●	●	●	●						
396 446	25	30	7				●	●	●	●	●	●	●	●	●	●	●	●	●	

QEP 014 050

QEB

Bushing

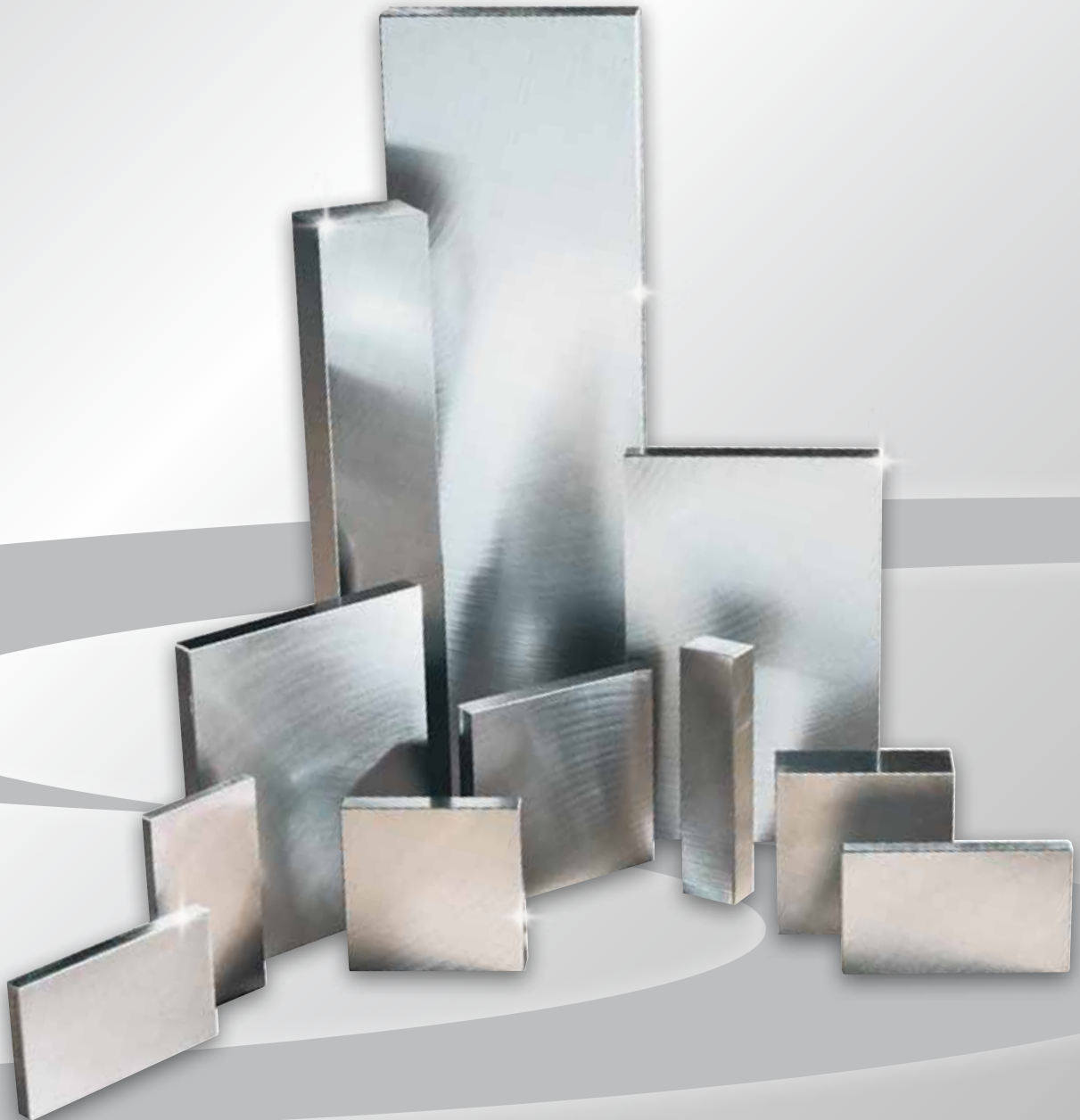


W	D1	D2	D3	K	X	L
156 - 196	14	20	24	5	11	32
					16	40
246	16	22	26	5	11	32
					16	40
296 - 346	20	28	32	6	10	32
					16	40
396 - 446	25	34	38	7	9	32
					16	40

QEB 014 032



P-Plates





Info

P Series - Standard

Y x X	Z										
	022	026	036	046	056	066	076	096	106	116	146
156 x 156	■●	■●	■●	■●	■●	■●	■●				
156 x 196	■●	■●	■●	■●	■●	■●	■●				
156 x 246	■●	■●	■●	■●	■●	■●	■●				
196 x 196	■●	■●	■●	■●	■●	■●	■●	■●			
196 x 246	■●	■●	■●	■●	■●	■●	■●	■●			
196 x 296	■●	■●	■●	■●	■●	■●	■●	■●			
196 x 346	■●	■●	■●	■●	■●	■●	■●	■●			
246 x 246		■●	■●	■●	■●	■●	■●	■●			
246 x 296		■●	■●	■●	■●	■●	■●	■●			
246 x 346		■●	■●	■●	■●	■●	■●	■●			
246 x 396		■●	■●	■●	■●	■●	■●	■●			
296 x 296		■●	■●	■●	■●	■●	■●	■●		■●	
296 x 346		■●	■●	■●	■●	■●	■●	■●		■●	
296 x 396		■●	■●	■●	■●	■●	■●	■●		■●	
296 x 446		■●	■●	■●	■●	■●	■●	■●		■●	
346 x 346		■●	■●	■●	■●	■●	■●	■●		■●	
346 x 396		■●	■●	■●	■●	■●	■●	■●		■●	
346 x 446		■●	■●	■●	■●	■●	■●	■●		■●	
346 x 496		■●	■●	■●	■●	■●	■●	■●		■●	
396 x 396		■●	■●	■●	■●	■●	■●	■●	■●	■●	■●
396 x 446		■●	■●	■●	■●	■●	■●	■●	■●	■●	■●
396 x 496		■●	■●	■●	■●	■●	■●	■●	■●	■●	■●
396 x 546		■●	■●	■●	■●	■●	■●	■●	■●	■●	■●
446 x 446		■●	■●	■●	■●	■●	■●	■●	■●	■●	■●
446 x 496		■●	■●	■●	■●	■●	■●	■●	■●	■●	■●
446 x 546		■●	■●	■●	■●	■●	■●	■●	■●	■●	■●
446 x 596		■●	■●	■●	■●	■●	■●	■●	■●	■●	■●

- 1.1730
- Toolox 33

Info

Ordering example: P Series - Standard

REF	Item	Ordering example	pcs
QPL	QPL - W - L - S - Steel	QPL 156 156 026 1730	



Toolox 33

TOOLOX 33 is a new steel delivered quenched and tempered with high impact toughness and very low residual stresses to get good dimensional stability.

TOOLOX 33 has a low carbide content, and is therefore excellent to machine.

TOOLOX 33 is suitable for plastic molding, for rubber molding and machine components. With proper surface treatment, the service life of the tool/component can be prolonged.

More info see www.toolox.com



Stress relieved steel 1.1730

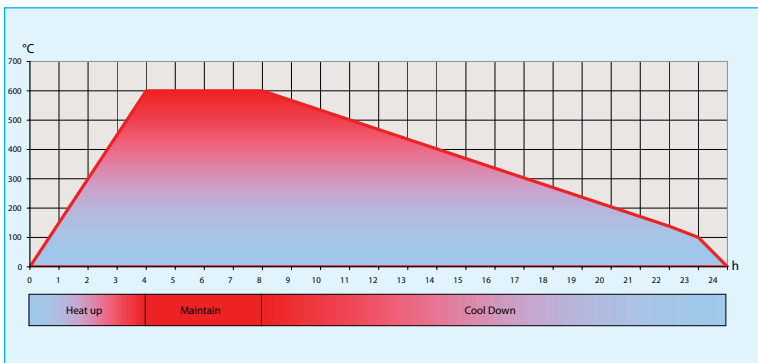
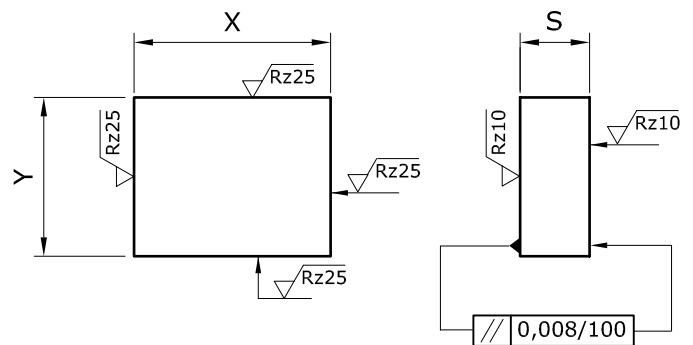


Table of standard dimensions

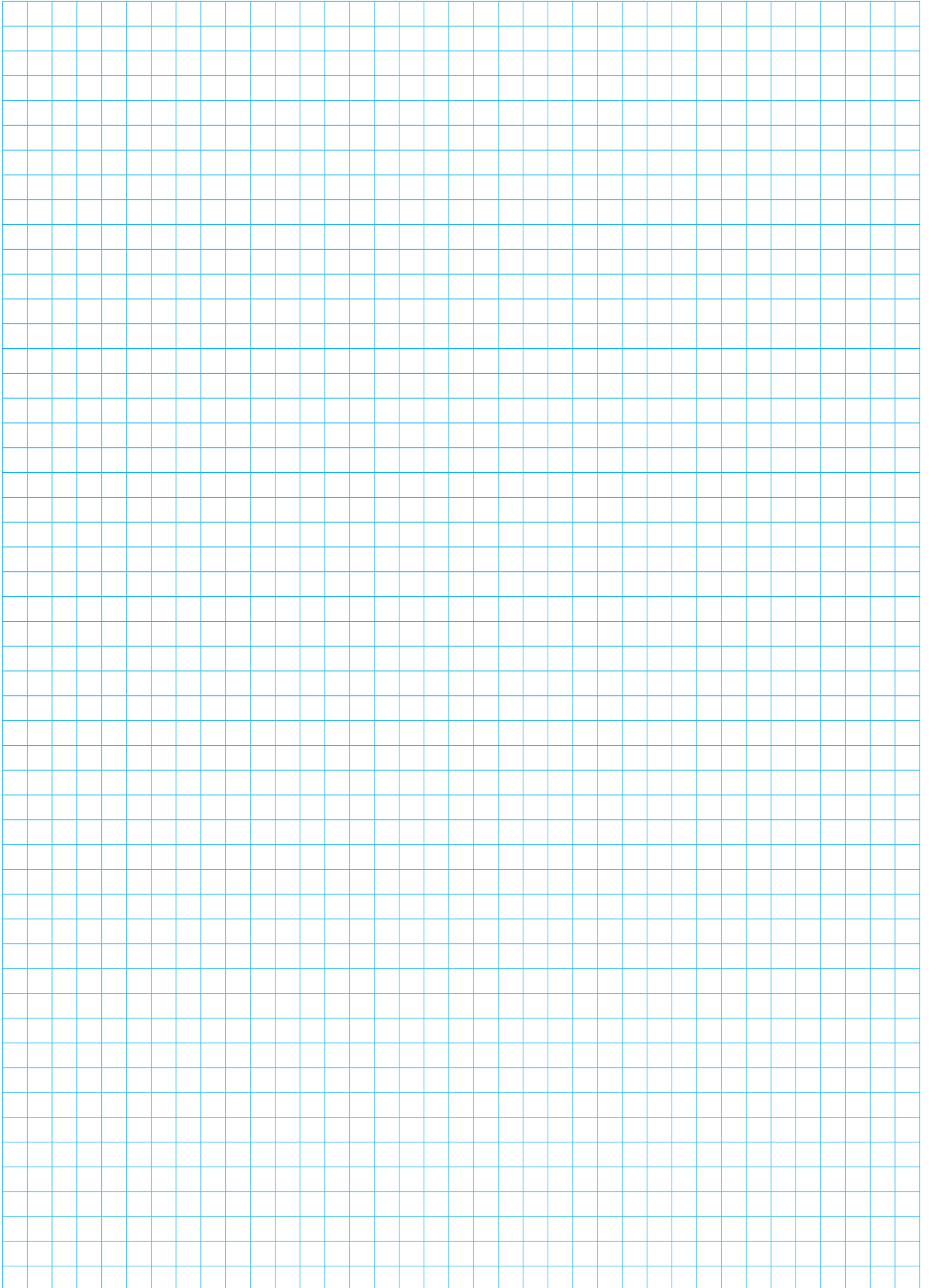
		P	
X	Y	Y	S
+0,8	+0,8	+0,8	+0,25
+0,6	+0,6	+0,6	+0,15



Y x X	156	196	246	296	346	396	446	496	546	596
156	●	●	●							
196		●	●	●	●					
246			●	●	●	●				
296				●	●	●	●			
346					●	●	●	●		
396						●	●	●	●	
446							●	●	●	●

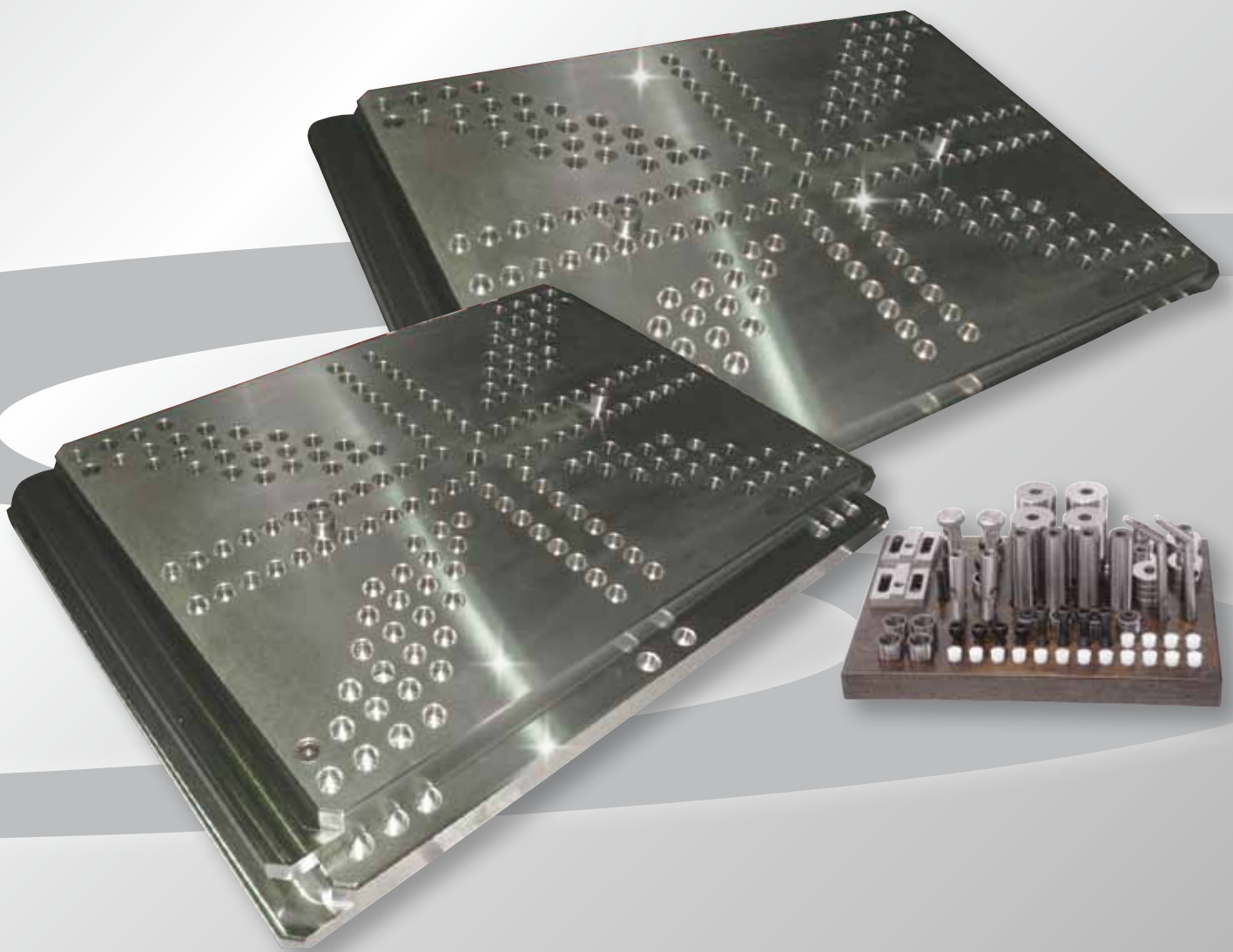
● In stock

04/03/2009





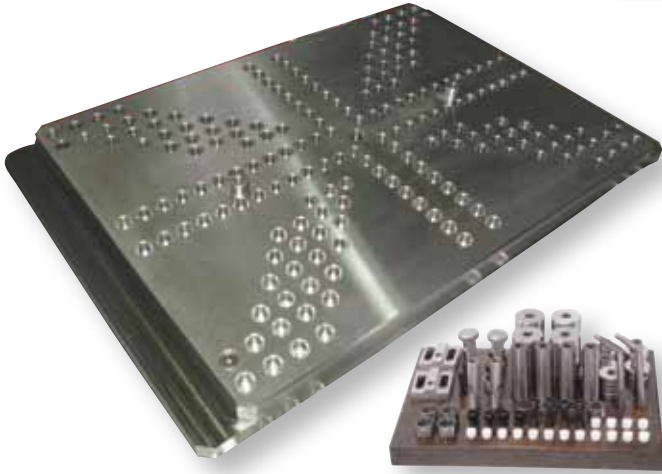
Clamping Fixtures





CLQ

Quick Ship Basic series



- accurate and precise repetitive clamping
- save on costly down time
- standard sized base plate, allowing Quick Ship tool dimensions of 156 x 156 to 446 x 596 to be processed
- shortens set-up times drastically
- easy horizontal and vertical processing
- clamping of P-Plates possible

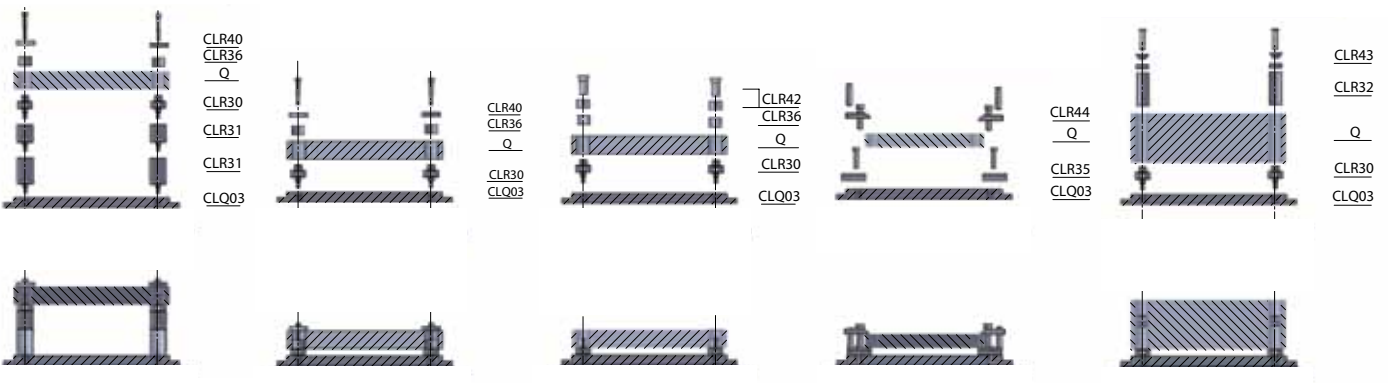
Info

List of plates which can be clamped

W	156	196	246	296	346	L	396	446	496	546	596
156											
196											
246											
296											
346											
396											
446											

Info

Clamping examples




Components

	REF	Dimensions
	CLR30	22 x 34
		28 x 42
		34 x 46
		40 x 54
	CLR31	56 x 60 x 20
		56 x 60 x 26
		56 x 60 x 30
		56 x 60 x 42
		56 x 90 x 20
		56 x 90 x 26
		56 x 90 x 30
		56 x 90 x 42
		68 x 60 x 54
		68 x 90 x 54
	CLR32	22,0 x 021,5
		28,0 x 021,5
		34,0 x 021,5
		34,0 x 125,0
		40,0 x 021,5
		40,0 x 150,0
	CLR35	20
	CLR36	32
	CLR40	22 x 32
		28 x 40
		34 x 48
		40 x 54

	REF	Dimensions
	CLR42	22,0
		28,0
	CLR43	34,0
		40,0
	CLR44	70
	CLR51	M12
	CLR55	M14
	CLR56	M14
	CLR57	10
	CLQ03	416 x 628

Screws M12 to be defined by the customer, taking the spacer height into account

Use of the assembly tool CLR 57

CLR57 is used for screwing the location element CLR30 and distance element CLR31 in and out.

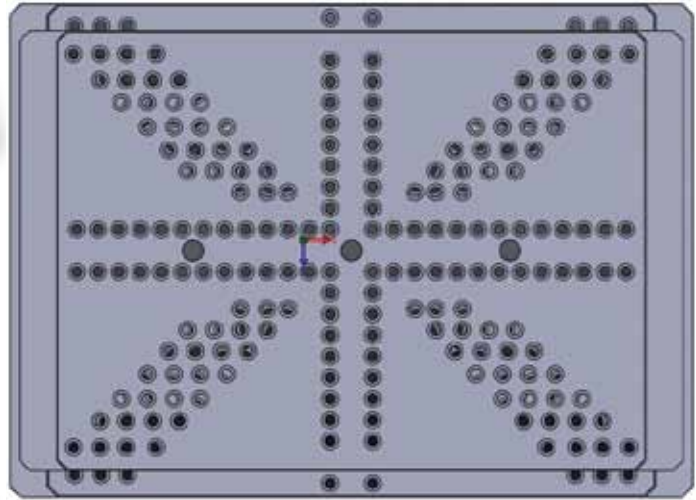
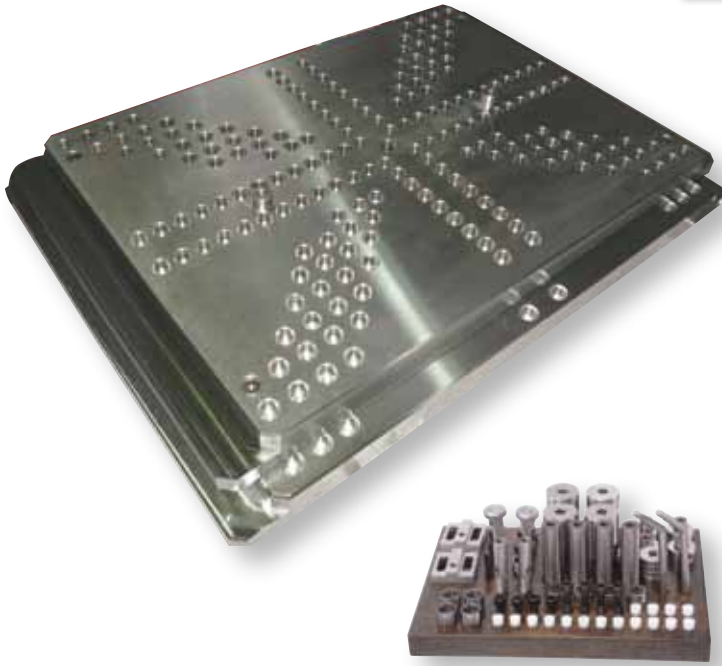
Use of CLR51

The CLR51 sealing plug is screwed into the holes in the base plate CLP03 and prevents soiling during processing.



Info

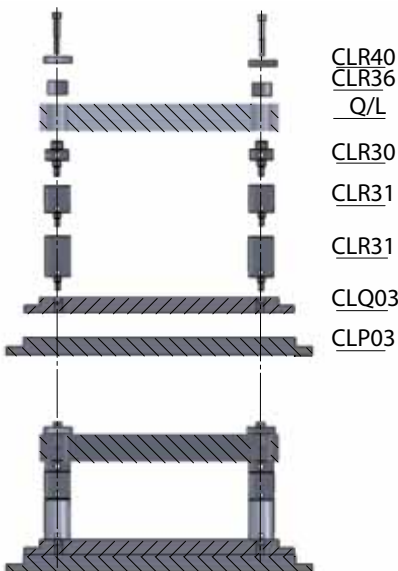
Universal clamping fixture method



- allows mounting on other clamping fixtures currently available on the market
- accurate and precise repetitive clamping
- save on costly down time
- standard sized base plate, allowing Quick Ship tool dimensions of 156 x 156 to 446 x 596 to be processed
- shortens set-up times drastically
- easy horizontal and vertical processing
- clamping of P-Plates possible

Info

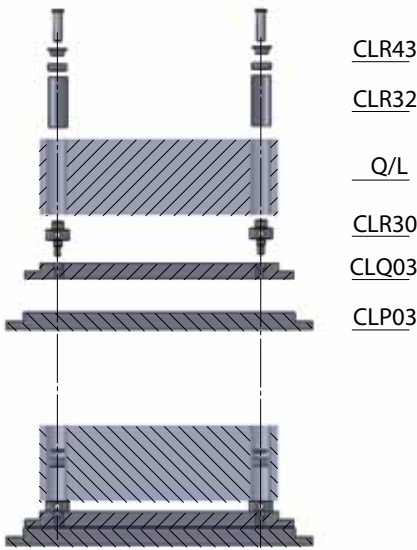
Clamping of Q/L-plates for lateral processing



For lateral processing the use of distance elements CLR31 is recommended. These are screwed one above the other to the base plate CLP03 with the assembly tool CLR57. The distance elements and system bores of the Q/L-plate to be clamped must have the same gauges. Screw the location elements CLR30 to the distance elements. The Q/L-plate is then placed on the location elements and positioned by using centering sleeves CLR32. The Q/L-plate can then be clamped with the washers CLR40 or the locking washers CLR42 or CLR43 depending on the system diameter.



Clamping of Q/L-plates with clamping disc CLR42 or CLR43

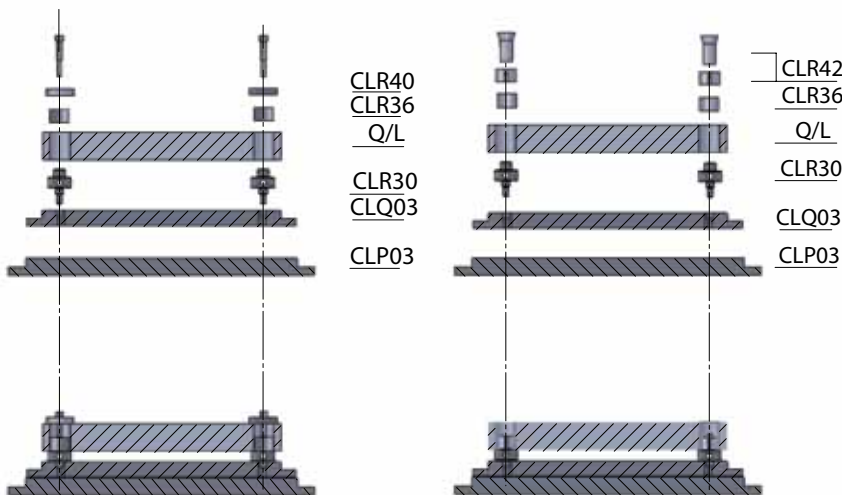


- CLR43
- CLR32
- Q/L
- CLR30
- CLQ03
- CLP03

Screw the location elements CLR30 to the base plate CLP03 with the assembly tool CLR57. The distance elements and system bores of the Q/L-plate to be clamped must have the same gauges. The Q/L-plate is placed on the location elements and positioned using the centering sleeves CLR32. Clamp the Q/L-plate with locking washers CLR42 or CLR43 depending on the system diameter.

For support, especially of larger plates, it is recommended to use the support element CLR35.

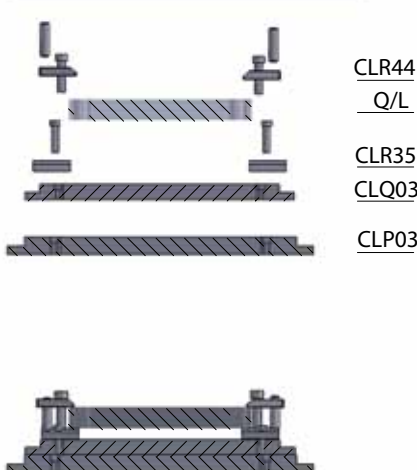
Clamping of Q/L-plates with washer CLR40



- CLR40
- CLR36
- Q/L
- CLR30
- CLQ03
- CLP03
- CLR42
- CLR36
- Q/L
- CLR30
- CLQ03
- CLP03

Screw the location elements CLR30 to the base plate CLP03 with the assembly tool CLR57. The distance elements and system bores of the Q/L-plate to be clamped must have the same gauges. The Q/L-plate is placed on the location elements and positioned using the centering sleeves CLR32. The Q/L-plate is clamped by screwing the washer CLR40 to the centering holders, diagonally. The recess of the washer must face the plate.

Clamping P-plates with clamping bar CLR44



- CLR44
- Q/L
- CLR35
- CLQ03
- CLP03

Screw the CLR35 support elements to the base plate CLP03. The clamping bar CLR44 is screwed onto the CLR35 and the P plate is placed on the support elements, positioned and clamped.



GENERAL CONDITIONS OF SALE DME EUROPE

1. CONCLUSION OF CONTRACT - APPLICATION

The contract is validly entered into and the order is accepted after written confirmation by seller. These sales conditions apply to the exclusion of any other terms or conditions, unless expressly accepted in writing beforehand by the vendor.

Seller has 30 (thirty) days since the reception of the order to accept or to refuse it. During this period, buyer shall not withdraw his order.

Absence of any written confirmation of the order shall only be interpreted as being an implicit acceptance in case of performance of the order by seller.

2. PAYMENT

Unless otherwise agreed in writing, invoices are payable in the stated currency within 30 (thirty) days after invoice date to the bank designated by seller. Transfer charges are for account of buyer.

If buyer does not pay within this term, seller shall automatically have ipso jure and without any prior formal notice, the right to charge legal interest plus 2 % from due date of the invoice. Moreover, in case of late payment, a fixed indemnity corresponding to 10 % of the payable amount shall automatically be due from the first day following the due date, without prejudice to seller's right to prove higher damage and ask for corresponding indemnity. Should payment be in foreign currency, seller has the right to adapt the foreign currency in case of depreciation of this foreign currency in regard of the euro.

Should payment of the delivered goods be in instalments, the non-payment of one of the instalments gives seller the right to terminate the contract. The payments, which were done until then, shall remain property of seller as indemnity, without prejudice to the right to claim further damages or to the right to require the performance of the contract.

Payment of advance shall not give buyer the right to terminate the contract upon reimbursement of the paid advance. If payment is done by bill of exchange or check, payment is deemed satisfied only when the bill of exchange or the check is honoured.

Place of payment is always Mechelen even if payment is done with bill of exchange.

3. RETENTION OF TITLE

Delivered goods remain property of seller until full payment has been received by seller. The sale of an unpaid item by buyer to a third party results in automatic assignment of the debt due by the third party to buyer, inclusively the retention of title, to seller. Seller has then the authority to take any necessary means in order to validly assign towards the third party. Seller may retake unpaid goods at any time and he may inform any client and/or any subcontractor of buyer about the fact that seller is and remains the only owner of the concerned goods until full payment.

The purchaser undertakes to carefully keep the goods that have not been paid for, and undertakes not to pledge them or use them in any other way as a guarantee or security. The purchaser shall inform third parties who may apply any security rights over his assets (such as, but not limited to, the lessor of the premises occupied by the purchaser) that the products are and shall remain the property of the vendor until full payment of all sums owed by the purchaser to the vendor, and in the event of an attachment or other measures taken by third parties that apply to products for which full payment has not yet been made the purchaser undertakes to immediately inform the vendor of this to enable him to apply his rights.

4. RISKS

Notwithstanding the preceding provisions, the risk transfers to buyer as soon as he has the goods at his disposal.

5. DISPATCHING OF INSIGNIFICANT VALUE

Each dispatch of less than € 50 will be increased with costs of payments and may, at seller's option, be sent cash on delivery (COD).

6. PRICE OFFERS AND PRICE LISTS

Price offers and price lists are without obligation and are subject to change without any previous notice.

Any information released by seller is delivered in good faith and seller shall not be responsible for the choice of material and goods.

7. PRICE AND DISPATCHING

All prices are ex works. Transportation, duties and taxes for account of buyer, unless seller's previous and express written specification to the contrary. Seller shall send goods by the fastest and most economic way at the risks of buyer. Goods may be insured by seller at buyer's option, the insurance premiums are for buyer. Seller is not responsible for the choice of packing.

8. DELIVERY

Date of delivery is the date when the goods are ready for inspection at the indicated place. Place of origin is Mechelen, Belgium, or any other place indicated by seller. Seller is not responsible for any late delivery, except those delays due to his own fault or gross negligence.

9. RETURNING OF GOODS

No goods can be returned without seller's previous, express and written consent. If buyer commits an error in ordering, the retaking of goods is possible only for inventory standard items. Goods must be returned within 15 (fifteen) days after invoice date and all goods must be in original conditions; all costs of transport are for buyer, as well as insurance and repacking costs. Special-order goods, marked or used items are non-returnable.

10. DEFECTS

Seller warrants defects in material and/or workmanship. Warranty is limited to the replacement or repair, at seller's option, of any merchandise found defective during 1 month. This warranty does not include defects due to buyer's fault or to abnormal use, bad maintenance, imperfect installation, buyer's inadequate repair, unforeseeable circumstances or in case changes were brought to material without previous and express written approval of seller.

Notice of conspicuous defects must be given to seller by registered letter sent within 10 (ten) working days following date of delivery.

Notice of hidden defects must be given to seller by registered letter within 10 (ten) working days after date of discovery, and in any case, within a 10-month term following date of delivery.

Seller is not responsible for any damage and in particular salary and material costs, losses, loss of profit or loss of a chance incurred by buyer, unless it is demonstrated that defect is due to seller's gross or intentional fault. If seller is responsible for a defect, seller has the right either to terminate the contract and to pay back all the invoiced prices or to replace the delivered product within a reasonable term. If goods for repair must be transported, costs and risks of this transport are for buyer.

In case seller is responsible for any damage, this will be limited to the foreseeable damage with a maximum amount corresponding to the amount of the product's invoiced price.

Should a third party lodge a claim against seller to obtain payment of an indemnity for a damage for which seller is not responsible in accordance with the present conditions or for a higher amount than the one seller is responsible for, buyer will warrant seller against those claims.

11. DESCRIPTION

Only product descriptions used in seller's latest literature and correspondence with buyer, are binding for description of goods.

Buyer is responsible for using items in conformity with all regulations, including but not limited to, the safety regulations in force at the place of use.

12. SPECIFIC ORDERS

For the performance of a special work, the project signed by buyer is binding to the extent it has been accepted by seller.

For the performance of such work, special conditions may be required. In case of any inconsistency between general conditions and special conditions, the special conditions shall apply. Should special conditions be unclear, they shall be interpreted in light of the general conditions.

13. ACT OF GOD

Seller shall not pay any damage for non-performance or late performance of his undertakings due to Act of God. Act of God includes in particular and without being limited thereto, strike, lock-out, and the non-performance by seller's suppliers of their undertakings.

14. VALIDITY AND INDIVIDUAL CLAUSES

If one or more provisions of these present general conditions are held to be invalid, the remaining provisions will continue to be valid and enforceable, and parties will agree upon other provisions having an economic effect that corresponds closest to the economic effect of the invalid provision(s).

15. WAIVER

In case seller does not exercise one of his rights in accordance with the present conditions, this shall not be interpreted as a waiver of these rights.

16. APPLICABLE LAW – COMPETENT COURTS

This sales contract will be governed by Belgian law. The competent court is the Commercial Court of Mechelen, without prejudice to seller's right to introduce the case before another competent court.



Your contact:

DME Europe
Industriepark Noord G1
2800 Mechelen - Belgium
Tel.: +32 15 21 50 11
Fax: +32 15 40 51 11
dme_europe@dmeeu.com



BE
Tel. : +32 15 21 50 21
Fax : +32 15 40 51 21
dme_benelux@dmeeu.com

CZ
Tel.: 800 142 451 - 571 616 320
Fax: 800 142 450 - 571 611 996
dme_cz@dmeeu.com

DE
Tel. : +49 (0)2351 437 0
0800 664 82 50 - Toll free
Fax : +49 (0)2351 437 220
0800 664 82 51 - Toll free
dme_normalien@dmeeu.com

ES
Tel.: 900 900 342 - Toll free
Fax: 900 900 343 - Toll free
expulsos_girona@dmeeu.com

Export
Tel. : +32 15 21 50 17
Fax : +32 15 40 51 17
dme_export@dmeeu.com

FR
Tel.: +33 1 49 93 92 23
Fax: +33 1 49 93 92 22
dme_france@dmeeu.com

NL
Tel. : +31 (0)2065 45 571
Fax : +31 (0)2065 45 572
dme_benelux@dmeeu.com

PL
Tel. : +800 331 1312
Fax : +800 331 1313
dme_polska@dmeeu.com

PT
Tel.: 800 207 900 - Toll free
Fax: 800 207 901 - Toll free
expulsos_girona@dmeeu.com

RO
Tel. : 0800 833 370 - Toll free
Fax : 0800 833 371 - Toll free
dme_export@dmeeu.com

SK
Tel.: 0800 142 451 - +420 571 616 320
Fax: 0800 142 450 - +420 571 611 996
dme_cz@dmeeu.com

UK
Tel.: +44 2071 3300 37
Fax: +44 2071 3300 36
dme_uk@dmeeu.com