



AERO

TL320VS-4

TL351VS-3



TL320VS-4



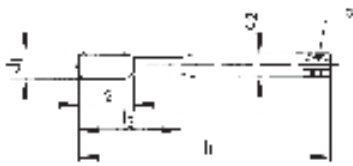
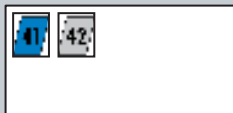
VS



TL351VS-3



VS



4HX

4HX

$\varnothing d_1$ M	P mm	l_1 mm	l_2 mm	l_3 mm	d_2 mm	a mm	α	α
3	0.50	56	12.0		3.5	2.7	3	2.50
4	0.70	63	14.0		4.5	3.4	3	3.30
5	0.80	70	15.0		6.0	4.9	3	4.20
6	1.00	80	15.0	23	6.0	4.9	3	5.00
8	1.25	90	18.0	29	8.0	6.2	3	6.70
10	1.50	100	20.0	33	10.0	8.0	3	8.50

ID

ID

152006	152012
152007	152013
152008	152014
152009	152015
152010	152016
152011	152017

6HX

6HX

$\varnothing d_1$ M	P mm	l_1 mm	l_2 mm	l_3 mm	d_2 mm	a mm	α	α
3	0.50	56	12.0		3.5	2.7	3	2.50
4	0.70	63	14.0		4.5	3.4	3	3.30
5	0.80	70	15.0		6.0	4.9	3	4.20
6	1.00	80	15.0	23	6.0	4.9	3	5.00
8	1.25	90	18.0	29	8.0	6.2	3	6.80
10	1.50	100	20.0	33	10.0	8.0	3	8.50

ID

ID

148001	148000
148003	148002
148007	148006
148011	148010
148020	148018
148027	148025

AERO

TL420VS-4

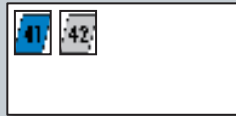
TL451VS-3



TL420VS-4



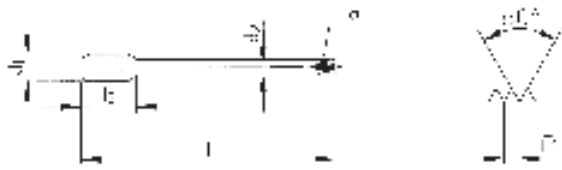
VS



TL451VS-3



VS



$\varnothing d_1$ M	P mm	l_1 mm	l_2 mm	d_2 mm	α mm		
12	1.75	110	24.0	9.0	7.0	4	10.20
14	2.00	110	28.0	11.0	9.0	4	12.00
16	2.00	110	30.0	12.0	9.0	4	14.00

ID

ID

152192

152195

* 152193

* 152196

* 152194

152197

6HX

6HX

$\varnothing d_1$ M	P mm	l_1 mm	l_2 mm	d_2 mm	α mm		
12	1.75	110	24.0	9.0	7.0	4	10.20
14	2.00	110	28.0	11.0	9.0	4	12.00
16	2.00	110	30.0	12.0	9.0	4	14.00

ID

ID

152204

148028

* 152205

152207

152206

148029



AERO

TL320VS-4

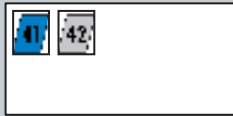
TL351VS-3



TL320VS-4



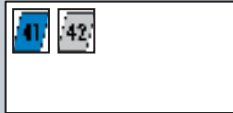
VS



TL351VS-3



VS



4HX

4HX

$\varnothing d_1$ MF	P mm	l_1 mm	l_2 mm	l_3 mm	d_2 mm	a mm	α	α
4	0.50	63	14.0		4.5	3.4	3	3.50
5	0.50	70	15.0		6.0	4.9	3	4.50
6	0.50	80	15.0	23	6.0	4.9	3	5.50
8	1.00	90	18.0	29	8.0	6.2	3	7.00
10	1.00	100	20.0	33	10.0	8.0	3	9.00

ID

ID

* 152032	152033
* 152048	152049
* 152058	152059
* 152079	152080
* 152092	152093

6HX

6HX

$\varnothing d_1$ MF	P mm	l_1 mm	l_2 mm	l_3 mm	d_2 mm	a mm	α	α
4	0.50	63	14.0		4.5	3.4	3	3.50
5	0.50	70	15.0		6.0	4.9	3	4.50
6	0.50	80	15.0	23	6.0	4.9	3	5.50
8	1.00	90	18.0	29	8.0	6.2	3	7.00
10	1.00	100	20.0	33	10.0	8.0	3	9.00

ID

ID

* 152034	152035
* 152050	152051
* 152060	152061
* 152081	148019
* 152094	148026

AERO

TL420VS-4

TL451VS-3



TL420VS-4



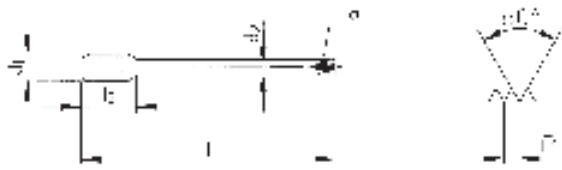
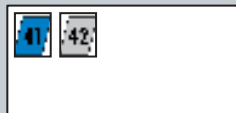
VS



TL451VS-3



VS



$\varnothing d_1$ MF	P mm	l_1 mm	l_2 mm	d_2 mm	α mm		
12	1.00	100	19.0	9.0	7.0	4	11.00
12	1.50	100	24.0	9.0	7.0	4	10.50
14	1.50	100	24.0	11.0	9.0	4	12.50
16	1.50	100	26.0	12.0	9.0	4	14.50

ID

ID

* 152218	* 152223
* 152217	* 152222
* 152219	* 152224
* 152221	* 152226

6HX

6HX

$\varnothing d_1$ MF	P mm	l_1 mm	l_2 mm	d_2 mm	α mm		
12	1.00	100	19.0	9.0	7.0	4	11.00
12	1.50	100	24.0	9.0	7.0	4	10.50
14	1.50	100	24.0	11.0	9.0	4	12.50
16	1.00	100	23.0	12.0	9.0	4	15.00
16	1.50	100	26.0	12.0	9.0	4	14.50

ID

ID

* 152237	152242
* 152236	152241
* 152238	152243
* 152239	* 152244
* 152240	152245



AERO

TL320VS-4

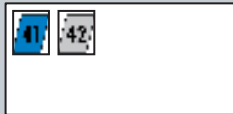
TL351VS-3



TL320VS-4



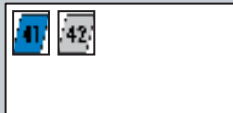
VS



TL351VS-3



VS



Ø" d ₁ UNC	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm	α mm		
4	40	2.84	56	12.0		3.5	2.7	3	2.25
5	40	3.17	56	12.0		3.5	2.7	3	2.55
6	32	3.50	56	13.0		4.0	3.0	3	2.75
8	32	4.16	63	14.0		4.5	3.4	3	3.40
10	24	4.82	70	15.0		6.0	4.9	3	3.80
1/4	20	6.35	80	15.0	23	7.0	5.5	3	5.10
5/16	18	7.93	90	18.0	29	8.0	6.2	3	6.50
3/8	16	9.52	100	20.0	33	10.0	8.0	3	8.00

ID

ID

* 152000	152018
* 152023	* 152024
* 152027	152028
* 152036	152037
* 152042	* 152043
* 152062	127972
* 152067	152068
* 152084	152085

3B
UNC(J)

3B
UNC(J)

Ø" d ₁ UNC	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm	α mm		
4	40	2.84	56	12.0		3.5	2.7	3	2.30
5	40	3.17	56	12.0		3.5	2.7	3	2.60
6	32	3.50	56	13.0		4.0	3.0	3	2.80
8	32	4.16	63	14.0		4.5	3.4	3	3.45
10	24	4.82	70	15.0		6.0	4.9	3	3.90
1/4	20	6.35	80	15.0	23	7.0	5.5	3	5.20
5/16	18	7.93	90	18.0	29	8.0	6.2	3	6.70
3/8	16	9.52	100	20.0	33	10.0	8.0	3	8.10

ID

ID

* 148804	150194
* 152025	* 152026
* 152029	150210
* 152038	152039
* 152044	152045
* 152063	152064
* 152069	152070
* 152086	152087

AERO											TL420VS-4	TL451VS-3
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>TL420VS-4</p> <p>VS</p> </div> <div style="text-align: center;"> <p>41 42</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> <p>TL451VS-3</p> <p>VS</p> </div> <div style="text-align: center;"> <p>41 42</p> </div> </div>												
										<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">2B</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">2B</div> </div>		
$\varnothing'' d_1$ UNC	P TPI	d_1 mm	l_1 mm	l_2 mm	d_2 mm	a mm				ID	ID	
7/16	14	11.11	100	22.0	8.0	6.2	* 4	9.30		* 152256	* 152261	
1/2	13	12.70	110	24.0	9.0	7.0	4	10.80		* 152257	* 152262	
5/8	11	15.87	110	30.0	12.0	9.0	4	13.60				
3/4	10	19.05	125	33.0	14.0	11.0	4	16.60				
										<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">3B UNC(J)</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">3B UNC(J)</div> </div>		
$\varnothing'' d_1$ UNC	P TPI	d_1 mm	l_1 mm	l_2 mm	d_2 mm	a mm			UNC	ID	ID	
7/16	14	11.11	100	22.0	8.0	6.2	* 4	9.40		* 152276	* 152281	
1/2	13	12.70	110	24.0	9.0	7.0	4	10.90		* 152277	* 152282	
<p>* SA420-4 = 3</p> <p>* TL420VS-4 = 3</p>												



AERO

TL320VS-4

TL351VS-3



TL320VS-4



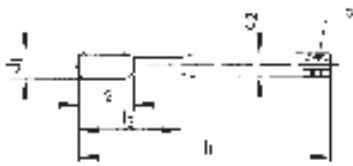
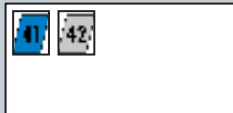
VS



TL351VS-3



VS



Ø" d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm	α mm		
10	32	4.82	70	15.0		6.0	4.9	3	4.05
1/4	28	6.35	80	15.0	23	7.0	5.5	3	5.50
5/16	24	7.93	90	18.0	29	8.0	6.2	3	6.90
3/8	24	9.52	100	20.0	33	10.0	8.0	3	8.50

ID

ID

* 152046	152047
* 152065	152066
* 152071	152072
* 152082	152083



Ø" d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	l ₃ mm	d ₂ mm	α mm		
4	48	2.84	56	12.0		3.5	2.7	3	2.35
10	32	4.82	70	15.0		6.0	4.9	3	4.10
1/4	28	6.35	80	15.0	23	7.0	5.5	3	5.55
5/16	24	7.93	90	18.0	29	8.0	6.2	3	7.00
3/8	24	9.52	100	20.0	33	10.0	8.0	3	8.60

ID

ID

* 148005	148004
* 148013	148012
* 148017	148016
* 148024	148023

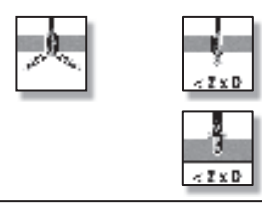
AERO

TL420VS-4 TL451VS-3



TL420VS-4 **VS**

TL451VS-3 **VS**



B
4 x P

C
2.5 x P

2B **2B**

Ø" d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm		
7/16	20	11.11	100	22.0	8.0	6.2	*4	9.80
1/2	20	12.70	100	24.0	9.0	7.0	4	11.40
9/16	18	14.28	100	24.0	11.0	9.0	4	12.90
5/8	18	15.87	100	26.0	12.0	9.0	4	14.50

ID	ID
* 152294	152298
* 152295	152299

Ø" d ₁ UNF	P TPI	d ₁ mm	l ₁ mm	l ₂ mm	d ₂ mm	a mm		UNF
7/16	20	11.11	100	22.0	8.0	6.2	*4	10.00
1/2	20	12.70	100	24.0	9.0	7.0	4	11.55
9/16	18	14.28	100	24.0	11.0	9.0	4	13.05
5/8	18	15.87	100	26.0	12.0	9.0	4	14.60

3B UNF(J) **3B UNF(J)**

ID	ID
* 152306	148031
* 152307	152310

* SA420-4 = 3
 * TL420VS-4 = 3