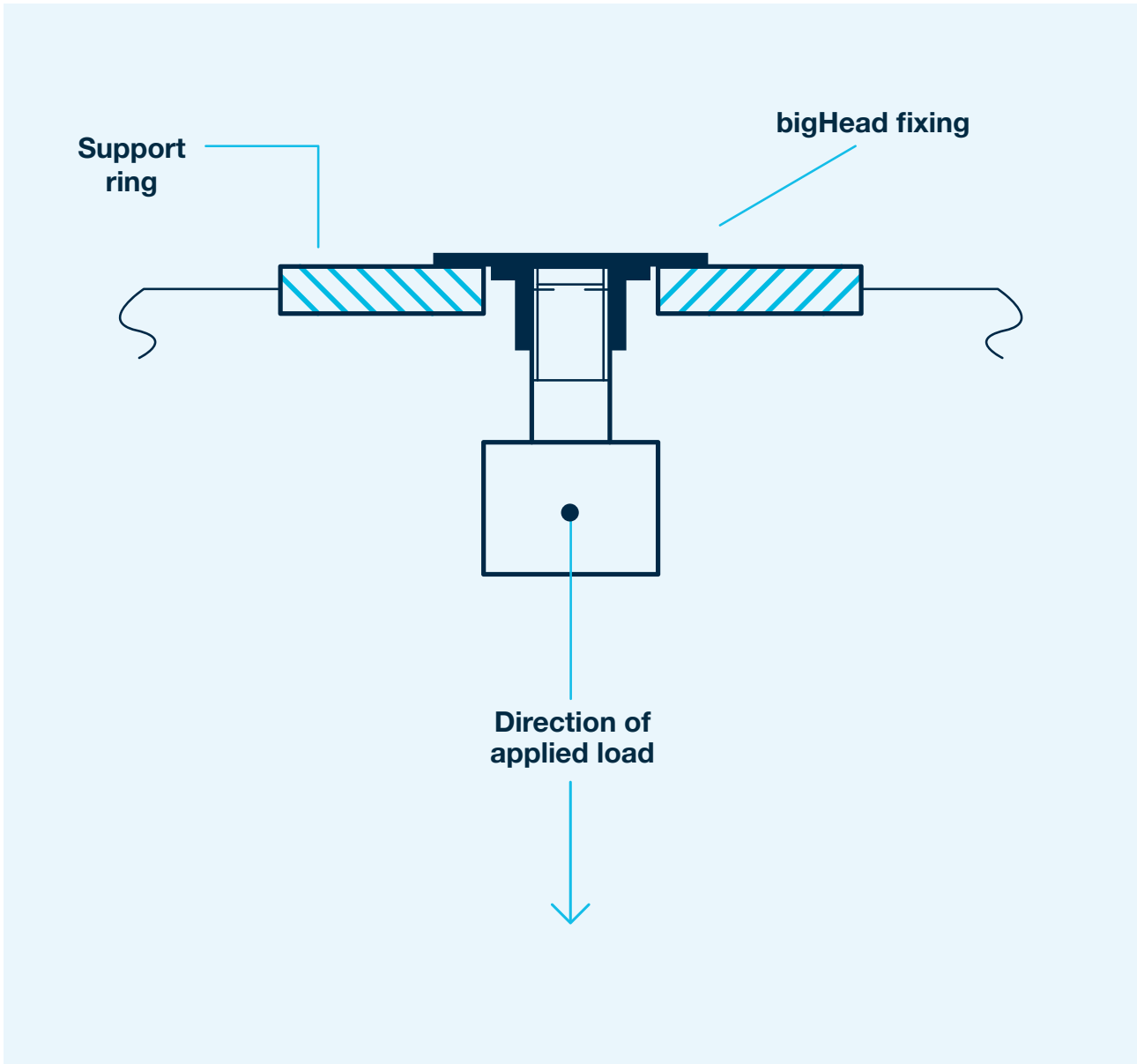


**Maximum Tensile (Load-to-Failure)
values for bigHead Fasteners of type:
Male & Female - Metric series
Mild Steel BZP & 316 Stainless Steel**



Figures quoted in the following tables are based on 'stand-alone' evaluation of each product type under the following test criterion:

bigHead placed through support ring 1mm diameter larger than the maximum diameter of the threaded fixing component. An axial load is then applied against the fixing/head welded joint. As shown above.

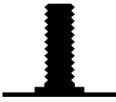
Disclaimer:


All data provided within this document is for guidance purposes only. Physical performance requirements are at the user's discretion and subject to self-certification as fit-for-purpose. bigHead cannot be held responsible for the misuse or overloading of any fixing product supplied.

Please contact bigHead for design assistance and to help you meet your performance targets. Call +44 (0)1202 583 696

**Maximum Tensile (Load-to-Failure)
values for bigHead Fasteners of type:
Male & Female - Metric series
Mild Steel BZP & 316 Stainless Steel**

The following data is provided for guidance purposes only.


	Male Threaded Stud Metric Series - Mild Steel				
	Thread size				
bigHead part code (commencing):	M4	M5	M6	M8	M10
	All values in KN (Kilonewtons)				
M1/B15	2.08	2.25	2.30	By request	N/A
M1/B19	1.72	2.20	By request	1.50	By request
M1/B20	2.96	4.28	4.31	3.75	By request
M1/B23	2.13	3.90	4.46	3.37	By request
M1/B30	By request	By request	By request	4.73	5.00
M1/B38	By request	4.19	3.52	3.07	3.00
M1/B50	By request	By request	5.40	6.00	By request
M1/T38	1.92	4.61	5.17	4.69	3.10
M1/T40	2.40	3.90	4.19	By request	N/A


	Male Threaded Stud Metric Series - 316 Stainless Steel				
	Thread size				
bigHead part code (commencing):	M4	M5	M6	M8	M10
	All values in KN (Kilonewtons)				
SM1/B15	4.08	3.38	4.61	By request	N/A
SM1/B20	By request	By request	4.50	4.60	By request
SM1/B23	3.10	4.26	4.38	4.18	3.60
SM1/B30	By request	By request	By request	7.40	5.90
SM1/B32	By request	5.95	7.52	8.43	5.77
SM1/B38	By request	By request	5.97	4.65	4.40
SM1/B50	By request	By request	By request	6.50	By request
SM1/B58	By request	By request	9.70	By request	9.70
SM1/T38	5.10	5.90	6.17	5.22	By request

Please contact bigHead for design assistance and to help you meet your performance targets. Call +44 (0)1202 583 696

**Maximum Tensile (Load-to-Failure)
values for bigHead Fasteners of type:
Male & Female - Metric series
Mild Steel BZP & 316 Stainless Steel**

The following data is provided for guidance purposes only.


	Female Blind Hex Metric Series - Mild Steel					
	Thread size					
bigHead part code (commencing):	M4	M5	M6	M8	M10	M12
	All values in KN (Kilonewtons)					
F1/B19	1.97	By request	By request	By request	By request	N/A
F1/B23	2.50	By request	By request	By request	1.30	N/A
F1/B38	3.20	By request	By request	2.60	3.00	By request
F1/T38	By request	By request	2.10	By request	By request	N/A


	Female Sighted Hex Metric Series - Mild Steel					
	Thread size					
bigHead part code (commencing):	M4	M5	M6	M8	M10	M12
	All values in KN (Kilonewtons)					
F1/S20	2.03	By request	2.30	By request	N/A	N/A
F1/S23	By request	By request	2.98	1.40	By request	N/A
F1/S38	By request	By request	5.70	By request	4.51	5.50
F1/S58	By request	By request	By request	3.50	By request	7.00
F1/ST38	3.70	4.10	2.52	2.38	By request	N/A

Please contact bigHead for design assistance and to help you meet your performance targets. Call +44 (0)1202 583 696

**Maximum Tensile (Load-to-Failure)
values for bigHead Fasteners of type:
Male & Female - Metric series
Mild Steel BZP & 316 Stainless Steel**

The following data is provided for guidance purposes only.

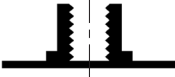
	Female Blind Hex Metric Series - 316 Stainless Steel						
	Thread size						
bigHead part code (commencing):	M4	M5	M6	M8	M10	M12	
	All values in KN (Kilonewtons)						
SF1/B32	By request	By request	By request	7.90	By request	By request	


	Female Sighted Hex Metric Series - 316 Stainless Steel						
	Thread size						
bigHead part code (commencing):	M3	M4	M5	M6	M8	M10	M12
	All values in KN (Kilonewtons)						
SF1/S23	By request	By request	By request	3.42	By request	By request	N/A
SF1/S32	By request	By request	6.50	4.20	5.20	5.00	4.50
SF1/S38	By request	By request	By request	3.70	4.50	By request	2.50
SF1/S58	By request	By request	By request	By request	By request	By request	5.90
SF1/ST38	By request	2.70	2.30	3.00	1.80	By request	N/A

Please contact bigHead for design assistance and to help you meet your performance targets. Call +44 (0)1202 583 696

**Maximum Tensile (Load-to-Failure)
values for bigHead Fasteners of type:
Male & Female - Metric series
Mild Steel BZP & 316 Stainless Steel**

The following data is provided for guidance purposes only.

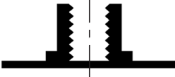
	Female Blind Collar Metric Series - Mild Steel				
	Thread size				
bigHead part code (commencing):	M4	M5	M6	M8	M10
	All values in KN (Kilonewtons)				
F2/B19	By request	By request	1.79	0.70	By request
F2/B20	By request	By request	2.00	By request	By request
F2/B23	By request	2.90	2.83	1.68	2.10
F2/B38	2.80	By request	2.93	3.40	3.58
F2/T38	By request	By request	3.10	1.79	1.90


	Female Sighted Collar Metric Series - Mild Steel				
	Thread size				
bigHead part code (commencing):	M4	M5	M6	M8	M10
	All values in KN (Kilonewtons)				
F2/S19	N/A	6.04	1.40	By request	By request
F2/S20	3.10	3.49	2.98	By request	By request
F2/S23	3.46	By request	2.99	3.06	2.20
F2/S38	By request	By request	3.30	5.05	4.90
F2/ST38	2.90	2.27	2.91	1.40	By request

Please contact bigHead for design assistance and to help you meet your performance targets. Call +44 (0)1202 583 696

**Maximum Tensile (Load-to-Failure)
values for bigHead Fasteners of type:
Male & Female - Metric series
Mild Steel BZP & 316 Stainless Steel**

The following data is provided for guidance purposes only.

	Female Blind Collar Metric Series - 316 Stainless Steel				
	Thread size				
bigHead part code (commencing):	M4	M5	M6	M8	M10
	All values in KN (Kilonewtons)				
SF2/B20	By request	3.60	By request	By request	By request
SF2/B23	3.70	By request	3.36	2.94	2.50
SF2/B32	3.10	4.20	5.60	5.54	By request
SF2/B38	4.40	By request	By request	3.90	By request
SF2/B58	By request	By request	7.40	By request	By request
SF2/T38	By request	By request	5.10	2.00	By request

	Female Sighted Collar Metric Series - 316 Stainless Steel				
	Thread size				
bigHead part code (commencing):	M4	M5	M6	M8	M10
	All values in KN (Kilonewtons)				
SF2/S23	2.40	2.80	5.40	By request	2.80
SF2/S32	By request	By request	7.57	7.28	7.67
SF2/S38	By request	By request	4.97	4.00	By request
SF2/ST38	4.10	3.52	3.65	1.46	1.50

Please contact bigHead for design assistance and to help you meet your performance targets. Call +44 (0)1202 583 696