



Chemical Anchor Studs



Anchor studs; 5.8 grade steel BZP		
HH0104900010	Chemical Anchor Stud BZP	M8 x 110mm Chemical Resin Stud BZP 10pk
HH0104900020	Chemical Anchor Stud BZP	M10 x 130mm Chemical Resin Stud BZP 10pk
HH0104900030	Chemical Anchor Stud BZP	M12 x 160mm Chemical Resin Stud BZP 10pk
HH0104900040	Chemical Anchor Stud BZP	M16 x 190mm Chemical Resin Stud BZP 10pk
HH0104900050	Chemical Anchor Stud BZP	M20 x 260mm Chemical Resin Stud BZP 10pk
HH0104900060	Chemical Anchor Stud BZP	M24 x 300mm Chemical Resin Stud BZP 5pk



Anchor studs in A2/70 Stainless steel		
HH0104900065	Chemical Anchor Stud A2SS	M8 x 110mm Chemical Resin Stud A2SS 10pk
HH0104900070	Chemical Anchor Stud A2SS	M10 x 130mm Chemical Resin Stud A2SS 10pk
HH0104900075	Chemical Anchor Stud A2SS	M12 x 160mm Chemical Resin Stud A2SS 10pk
HH0104900080	Chemical Anchor Stud A2SS	M16 x 190mm Chemical Resin Stud A2SS 10pk
HH0104900085	Chemical Anchor Stud A2SS	M20 x 260mm Chemical Resin Stud A2SS 10pk
HH0104900090	Chemical Anchor Stud A2SS	M24 x 300mm Chemical Resin Stud A2SS 5pk

Anchor studs in A4/70 Stainless steel		
HH0104900100	Chemical Anchor Stud A4SS	M8 x 110mm Chemical Resin Stud A4SS 10pk
HH0104900110	Chemical Anchor Stud A4SS	M10 x 130mm Chemical Resin Stud A4SS 10pk
HH0104900120	Chemical Anchor Stud A4SS	M12 x 160mm Chemical Resin Stud A4SS 10pk
HH0104900130	Chemical Anchor Stud A4SS	M16 x 190mm Chemical Resin Stud A4SS 10pk
HH0104900140	Chemical Anchor Stud A4SS	M20 x 260mm Chemical Resin Stud A4SS 10pk
HH0104900150	Chemical Anchor Stud A4SS	M24 x 300mm Chemical Resin Stud A4SS 5pk



Anchor studs 5.8 grade in HDG		
HH0104900200	Chemical Anchor Stud HDG	M8 x 110mm Chemical Resin Stud HDG 10pk
HH0104900210	Chemical Anchor Stud HDG	M10 x 130mm Chemical Resin Stud HDG 10pk
HH0104900220	Chemical Anchor Stud HDG	M12 x 160mm Chemical Resin Stud HDG 10pk
HH0104900230	Chemical Anchor Stud HDG	M16 x 190mm Chemical Resin Stud HDG 10pk
HH0104900240	Chemical Anchor Stud HDG	M20 x 260mm Chemical Resin Stud HDG 10pk
HH0104900250	Chemical Anchor Stud HDG	M24 x 300mm Chemical Resin Stud HDG 5pk

Characteristic Tensile Resistance of Metric Threads										
DIMENSIONS		CARBON STEEL GRADE						STAINLESS STEEL		
Thread diameter mm	Cross section mm ²	4.6	5.6	5.8	8.8	10.9	12.9	A2/A4 50	A2/A4 70	A2/A4 80
Characteristic Tensile resistance kN										
8	36.6	14.6	18.3	19.0	29.2	38.1	44.6	18.3	25.6	29.2
10	58.0	23.2	29.0	30.2	46.4	60.3	70.8	29.0	40.6	46.4
12	84.3	33.7	42.2	43.8	67.4	87.7	103.0	42.2	59.0	67.4
16	157.0	62.8	78.5	81.6	125.0	163.0	192.0	78.5	109.9	125.0
20	245.0	98.0	122.0	127.0	203.0	255.0	299.0	122.0	171.5	203.0
24	353.0	141.0	176.0	184.0	293.0	367.0	431.0	176.0	247.1	293.0
Partial Safety Factor TENSILE DESIGN RESISTANCE		2.00	#	1.50	1.50	#	#	2.86	1.87	#
For TENSILE DESIGN RESISTANCE : Divide Characteristic Resistance by the partial safety factor given above.										

Characteristic Shear Resistance of Metric Threads										
DIMENSIONS		CARBON STEEL GRADE						STAINLESS STEEL		
Thread diameter mm	Cross section mm ²	4.6	5.6	5.8	8.8	10.9	12.9	A2/A4 50	A2/A4 70	A2/A4 80
Characteristic Shear resistance kN										
8	36.6	7.3	9.2	9.5	14.6	19.1	22.3	9.2	12.8	14.6
10	58.0	11.6	14.5	15.1	23.2	30.2	35.4	14.5	20.3	23.2
12	84.3	16.9	21.1	21.9	33.7	43.9	51.5	21.1	29.5	33.7
16	157.0	31.4	39.3	40.8	62.5	81.5	96.0	39.3	55.0	62.5
20	245.0	49.0	61.0	63.5	101.5	127.5	149.5	61.0	85.8	101.5
24	353.0	70.5	88.0	92.0	146.5	183.5	215.5	88.0	123.6	146.5
Partial Safety Factor SHEAR DESIGN RESISTANCE		1.67	#	1.25	1.50	#	#	2.38	1.56	#
For SHEAR DESIGN RESISTANCE : Divide Characteristic Resistance by the partial safety factor given above.										

Nominal Tensile Strength [f_{uk}] N/mm²					
DIMENSIONS		CARBON STEEL		STAINLESS STEEL	
Thread diameter mm	Cross section mm²	5.8	8.8*	A2/70	A4/70
M8	36.6	500	800	700	700
M10	58.0	500	800	700	700
M12	84.3	500	800	700	700
M16	157.0	500	800	700	700
M20	245.0	500	800	700	700
M24	353.0	500	800	700	700

*8.8 grade to special order.

Other grades of corrosion resistant studding are available including HCR (1.4529)

Nominal Yield Strength [f_{yk}] N/mm²					
DIMENSIONS		CARBON STEEL		STAINLESS STEEL	
Thread diameter mm	Cross section mm²	5.8	8.8*	A2/70	A4/70
M8	36.6	400	640	450	450
M10	58.0	400	640	450	450
M12	84.3	400	640	450	450
M16	157.0	400	640	450	450
M20	245.0	400	640	450	450
M24	353.0	400	640	450	450

*8.8 grade to special order.

Other grades of corrosion resistant studding are available including HCR (1.4529)