KONCAVE ANCHOR FASTENERS PVT. LTD.

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Address :
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About Us

KONCAVE ANCHOR FASTENERS PVT. LTD. is an ISO 9001:2015 certified manufacturer and a dedicated participant in the "Make in India" initiative, specializing in high-performance anchoring and fastening solutions. We are committed to delivering precision, structural safety, and long-term reliability across architectural and industrial applications.

Specialized Manufacturing

Our facility is equipped with specialized machinery dedicated to the production of high-quality anchors, including advanced threading and dedicated manufacturing lines for wedge, nylon, and drop-in anchors. This focused infrastructure allows us to deliver high-accuracy components with consistency. Supported by rigorous quality control processes, we ensure that every fastener meets stringent engineering standards for load-bearing performance.

High-Performance Product Range

We design and manufacture an expanding portfolio of anchors tailored for diverse structural needs..

Proven Quality & Reliability

Our anchors undergo extensive testing for tensile and pull-out strength (under IS1608, P1:2022) to ensure maximum safety in the field. Because of our commitment to quality, Koncept Steel is a trusted partner approved by major authorities, including

- NBCC
- CPWD
- PWD
- RLDA
- DMRC.

PRODUCT RANGE

1. **WEDGE ANCHORS**

- STAINLESS STEEL A2 (304 grade)
- STAINLESS STEEL A4 (312 grade)
- GALVANISED IRON (4.8 , 5.8 grade)

2. **RED SLEEVE NYLON ANCHOR (COUNTER SUNK HEAD)**

- STAINLESS STEEL A2 (304 grade)
- GALVANISED IRON (4.8 , 5.8 grade)

3. **RED SLEEVE NYLON ANCHOR (HEX FLANGE HEAD)**

- STAINLESS STEEL A2 (304 grade)
- GALVANISED IRON (4.8 , 5.8 grade)

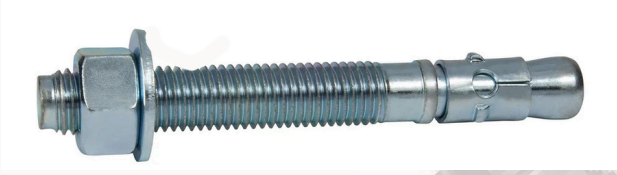
4. **DROP IN ANCHOR**

- GALVANISED IRON (4.8 , 5.8 grade)

1. WEDGE ANCHORS

1.1. Material Available

- Stainless Steel - A2/A4
- Carbon steel Galvanized



1.2. Variants / Size Range S.S. A2

ARTICLE NO.	DRILL DIAMETER	ANCHOR LENGTH	EMBEDDED LENGTH
KWA0875SA2	8 {mm}	75 {mm}	70 {mm}
KWA0890SA2	8 {mm}	90 {mm}	85 {mm}
KWA1075SA2	10 {mm}	75 {mm}	67 {mm}
KWA10100SA2	10 {mm}	100 {mm}	92 {mm}
KWA10120SA2	10 {mm}	120 {mm}	112 {mm}
KWA10150SA2	10 {mm}	150 {mm}	142 {mm}
KWA12100SA2	12 {mm}	100 {mm}	89 {mm}
KWA12120SA2	12 {mm}	120 {mm}	109 {mm}
KWA12150SA2	12 {mm}	150 {mm}	139 {mm}

1.3. Variants / Size Range S.S. A4

ARTICLE NO.	DRILL DIAMETER	ANCHOR LENGTH	EMBEDDED LENGTH
KWA0875SA4	8 {mm}	75 {mm}	70 {mm}
KWA0890SA4	8 {mm}	90 {mm}	85 {mm}
KWA1075SA4	10 {mm}	75 {mm}	67 {mm}
KWA10100SA4	10 {mm}	100 {mm}	92 {mm}
KWA10120SA4	10 {mm}	120 {mm}	112 {mm}
KWA10150SA4	10 {mm}	150 {mm}	142 {mm}
KWA12100SA4	12 {mm}	100 {mm}	89 {mm}
KWA12120SA4	12 {mm}	120 {mm}	109 {mm}
KWA12150SA4	12 {mm}	150 {mm}	139 {mm}

1.4. Technical Data

Stainless Steel

Grade	A2- 304 Grade (8% Nickel , 18% Chromium)
Finish	S.S. Finish
Grade	A4 - 316 Grade (10%Nickel,18- 20% Chromium)
Finish	S.S. Finish

1.5. Approvals

- NBCC
- CPWD
- PWD
- RLDA
- DMRC

1.6. TEST REPORTS

S.S. A2 (304 GRADE)

TEST NAME : PULL OUT / TENSILE
TEST METHOD: IS1608, P1:2022

SIZE	PULL OUT LOAD (KG)	TENSILE STRENGTH (N/mm2)
M8	38560	680
M10	42866	732
M12	72084	815

S.S. A4 (316 GRADE)

TEST NAME : PULL OUT / TENSILE
TEST METHOD: IS1608, P1:2022

SIZE	PULL OUT LOAD (KG)	TENSILE STRENGTH (N/mm2)
M8	38570	695
M10	42879	760
M12	72095	845

1.7. **Variants / Size Range G.I.**

ARTICLE NO.	DRILL DIAMETER	ANCHOR LENGTH	EMBEDDED LENGTH
KWA0875GI	8 {mm}	75 {mm}	70 {mm}
KWA0890GI	8 {mm}	90 {mm}	85 {mm}
KWA1075GI	10 {mm}	75 {mm}	67 {mm}
KWA10100GI	10 {mm}	100 {mm}	92 {mm}
KWA10120GI	10 {mm}	120 {mm}	112 {mm}
KWA10150GI	10 {mm}	150 {mm}	142 {mm}
KWA12100GI	12 {mm}	100 {mm}	89 {mm}
KWA12120GI	12 {mm}	120 {mm}	109 {mm}
KWA12150GI	12 {mm}	150 {mm}	139 {mm}
KWA16100GI	16 {mm}	100 {mm}	85 {mm}
KWA16125GI	16 {mm}	125 {mm}	110{mm}
KWA16150GI	16 {mm}	150 {mm}	135 {mm}
KWA16200GI	16 {mm}	200 {mm}	185 {mm}
KWA16250GI	16 {mm}	250 {mm}	235 {mm}

1.8. Technical Data

Type of Assembly	Through - setting , Pre- setting installation standoff installation.

GI -

Grade	4.8 , 5.8 grade
Finish	Alkaline Plating (European Standard)

1.9. Approvals

- NBCC
- CPWD
- PWD
- RLDA
- DMRC

1.10. TEST REPORTS

GALVALNISED IRON

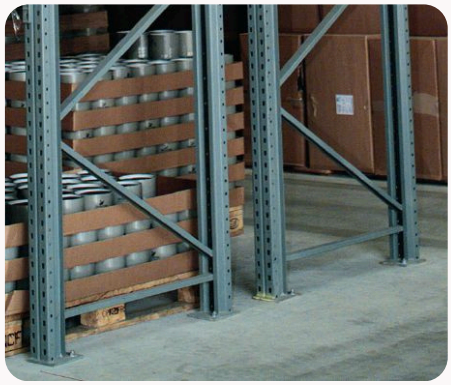
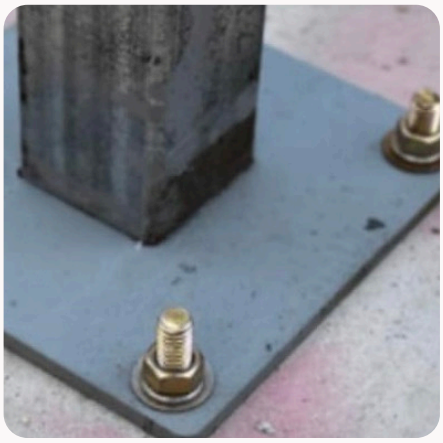
TEST NAME : PULL OUT / TENSILE
TEST METHOD: IS1608, P1:2022

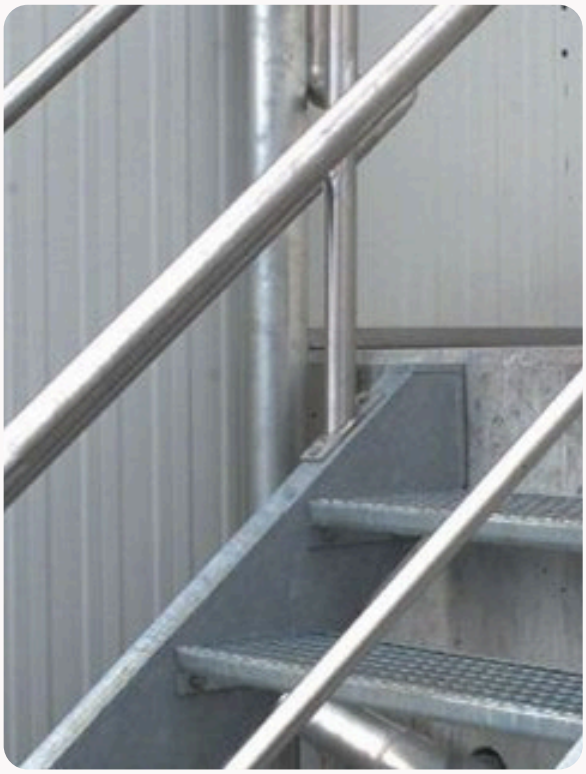
SIZE	TENSILE STRENGTH (N/mm2)	SHEAR STRENGTH (N/mm2)	DOUBLE SHEAR STRENGTH (KN)
M8	545.08	299.75	23.54
M10	570.24	303.79	23.86
M12	597.11	346.26	27.60
M16	632.63	564.81	84.48

1.11. **Applications**

- Steel constructions
- Guard rails
- Consoles
- Ladders
- Cable trays
- Machines
- Staircases
- Gates
- Façades

APPLICATION REFERENCES



2. RED SLEEVE NYLON ANCHOR (COUNTER SUNK)

2.1. Material Available

- Stainless Steel - A2
- Carbon steel Galvanized

2.2. Variants / Size Range [S.S A2]

ARTICLE NO.	DRILL DIAMETER	ANCHOR LENGTH
KNA80CSKSA2	10 {MM}	80 {MM}
KNA100CSKSA2	10 {MM}	100 {MM}
KNA120CSKSA2	10 {MM}	120 {MM}
KNA140CSKSA2	10 {MM}	140 {MM}

**Embedded length depends of length of fixture*

2.3. Technical Data

Type of Assembly	Through - setting , Pre- setting installation standoff installation.
STAINLESS STEEL	
Grade	304 grade
Finish	S.S. FINISH

2.4. Test Reports

SIZE	M10
TENSION RESISTANCE (KN)	18.4
SHEER RESISTANCE (KN)	11.1

2.5. Approvals

- NBCC
- CPWD
- PWD
- RLDA
- DMRC

2.6. Variants / Size Range [G.I.]

ARTICLE NO.	DRILL DIAMETER	ANCHOR LENGTH
KNA80CSKGI	10 {MM}	80 {MM}
KNA100CSKGI	10 {MM}	100 {MM}
KNA120CSKGI	10 {MM}	120 {MM}
KNA140CSKGI	10 {MM}	140 {MM}

*Embedded length depends of length of fixture

2.7. Technical Data

Type of Assembly	Through - setting , Pre- setting installation standoff installation.

GI -

Grade	4.8 , 5.8 grade
Finish	Alkaline Plating (European Standard)

2.. Approvals

- NBCC
- CPWD
- PWD
- RLDA
- DMRC

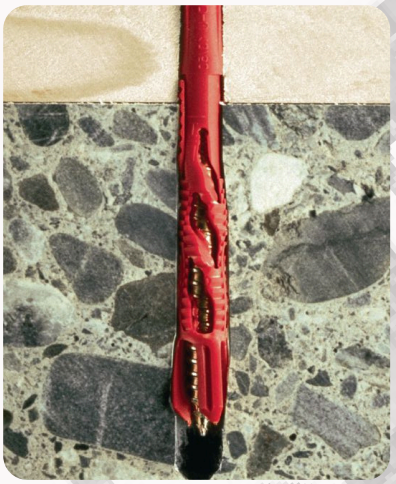
2.11. Test Reports

SIZE	M10
TENSION RESISTANCE (KN)	17.5
SHEAR RESISTANCE (KN)	10.6

2.4. **Applications**

This is an anchor that is perfectly designed for installing rainscreen and ventilated façades, metal work like handrails and balustrades, and fastening door and window frames. These plastic frame anchors are designed for speed and ease of use in structural and non-structural applications.

APPLICATION REFERENCES



3. RED SLEEVE NYLON ANCHOR (HEX FLANGE HEAD)

3.1. Material Available

- Stainless Steel - A2
- Carbon steel Galvanized

3.2. Variants / Size Range [SS A2]

ARTICLE NO.	DRILL DIAMETER	ANCHOR LENGTH
KNA80FSA2	10 {MM}	80 {MM}
KNA100FSA2	10 {MM}	100{MM}
KNA120FSA2	10 {MM}	`120 {MM}

*Embedded length depends of length of fixture

3.3. Technical Data

Type of Assembly	Through - setting , Pre- setting installation standoff installation.
STAINLESS STEEL	
Grade	304 grade
Finish	S.S. FINISH

3.4. Approvals

- NBCC
- CPWD
- PWD
- RLDA
- DMRC

3.5. Test Reports

SIZE	M10
TENSION RESISTANCE (KN)	18.4
SHEAR RESISTANCE (KN)	11.1

3.6. Variants / Size Range [G.I.]

ARTICLE NO.	DRILL DIAMETER	ANCHOR LENGTH
KNA80FGI	10 {MM}	80 {MM}
KNA100FGI	10 {MM}	100{MM}
KNA120FGI	10 {MM}	`120 {MM}

*Embedded length depends of length of fixture

3.7. Technical Data

Type of Assembly	Through - setting , Pre- setting installation standoff installation.

GI -

Grade	4.8 , 5.8 grade
Finish	Alkaline Plating (European Standard)

3.8. Approvals

- NBCC
- CPWD
- PWD
- RLDA
- DMRC

3.9. Test Reports

SIZE	M10
TENSION RESISTANCE (KN)	17.5
SHEAR RESISTANCE (KN)	10.6

3.10. **Applications**

Key uses include installing rainscreen and ventilated façades, metal work like handrails and balustrades, and fastening door and window frames. These plastic frame anchors are designed for speed and ease of use in structural and non-structural applications.

APPLICATION REFERENCES

4. DROP - IN ANCHOR

4.1. Material Available

- Carbon steel Galvanized

4.2. Variants / Size Range [GI]

ARTICLE NO.	DRILL DIAMETER	ANCHOR LENGTH	EMBEDDED LENGTH
KDIA0625	6 {MM}	25 {MM}	25 {MM}
KDIA0830	8 {MM}	30{MM}	30{MM}
KDIA0840	8 {MM}	40 {MM}	40 {MM}
KDIA1025	10 {MM}	25 {MM}	25 {MM}
KDIA1030	10 {MM}	30{MM}	30{MM}
KDIA1040	10 {MM}	40 {MM}	40 {MM}
KDIA1225	12 {MM}	25 {MM}	25 {MM}
KDIA1250	12 {MM}	50 {MM}	50 {MM}
KDIA1665	12 {MM}	65 {MM}	65 {MM}

4.3. Technical Data

Type of Assembly	Through - setting , Pre- setting installation standoff installation.

GI -

Grade	4.8 , 5.8 grade
Finish	Alkaline Plating (European Standard)

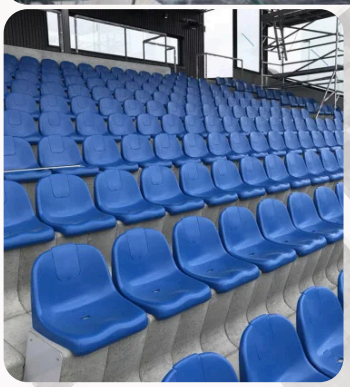
4.4. **Approvals**

- NBCC
- CPWD
- PWD
- RLDA
- DMRC

4.5. **Applications**

Drop-in anchors are used to create strong, flush-mounted fastening points in solid concrete. They are commonly applied for fixing threaded rods, bolts, or machinery where a clean surface finish is required. Typical uses include suspending pipes, HVAC systems, electrical trays, and mounting heavy equipment. They are especially suitable for applications requiring high load capacity and precise alignment.

APPLICATION REFERENCES



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ISO 9001 2015 CERTIFIED

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