



**PT. SIDOKUMPUL RAYA**  
Wire Mesh & Fence Mesh



## ► Company Profile

PT Sidokumpul Raya is a company that manufactures Welded Steel Wire Mesh (Jaringan Kawat Baja Las =JKBL) and other applications. PT Sidokumpul Raya was set up in 1982, located in Gresik, East Java. Our products are wire mesh, Fences, Drawn Wire, and Practical Columns. The machines that we use for the production process are high-tech machines from Europe for the highest and most stable quality products.



On 26th July 2017

PT Sidokumpul Raya managed to obtain the Certification of SNI-07-0663-1995 concerning the standard of Welded Steel Wire Mesh for concrete reinforcement.

The raw materials used in the process of production are based on the standard of the label of SNI -07-0663-2006. As for the brand name of our products is **SIDOKUMPUL Mesh**

### Vision

To become the most outstanding Welded Steel Wire Mesh Company for concrete reinforcement in Indonesia which always provides great benefits for customers.

### Mission

- To provide the product of Welded Steel Wire Mesh for concrete reinforcement and maximum service as well as high quality product with competitive price.
- To manage the business through excellent operational activities and synergistic competitive advantages.

### The Quality Policy of PT. Sidokumpul Raya

- To manufacture welded steel wire mesh for concrete reinforcement with standard quality.
- To improve customer service consistently and continuously for the sake of customers' satisfaction

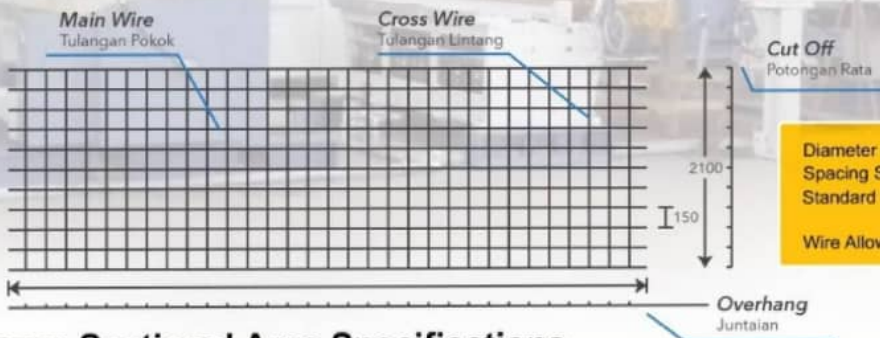
## ► Wire Mesh

The wire mesh produced by **SIDOKUMPUL Mesh** has a limit stress of 5,000 kg/cm and can be classified into U-50. The shear stress for each weld seam is at least 2500 kg/cm<sup>2</sup>

The Wire Mesh produced **SIDOKUMPUL Mesh** is always adjusted to the SNI-07-0063-1995 certification standard. Our company also provides special sizes on request in both sheets and rolls

## Weight Specifications

No.	Type	Dia. (mm)	WEIGHT (kg)	
			Per Sheet (2,1 M x 5,4 M)	Per Roll (2,1 M x 54 M)
1	M 4	4	15,45	154,5
2	M 5	5	24,14	241,4
3	M 6	6	34,76	347,6
4	M 7	7	47,31	-
5	M 8	8	61,79	-
6	M 9	9	78,20	-
7	M 10	10	96,54	-
8	M 11	11	116,82	-
9	M 12	12	139,02	-



Diameter of JKBL Sidokumpul Mesh : 4 - 12 mm  
 Spacing Standard : 15:15 atau 10:10  
 Standard Size : Lembar 5,4 M x 2,1 M  
 Roll 54 M x 2,1 M  
 Wire Allowable Stress : 2900 kg/cm<sup>2</sup> (mutu U 50)

## Cross-Sectional Area Specifications

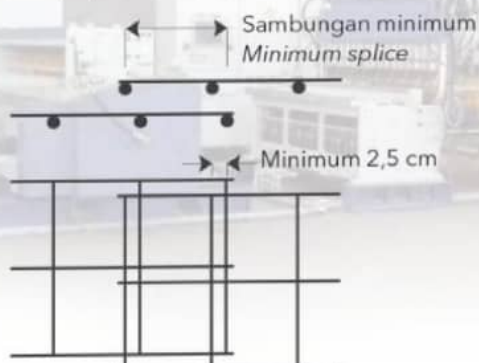
Dia. (mm)	Area (cm <sup>2</sup> )	THE TOTAL CROSS-SECTIONAL AREA OF THE WIRE (CM/M) ACCORDING TO THE SPACE IN EACH OF ITS DIRECTION															
		50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	
4	12,6	251	167	126	100	84	72	63	56	50	46	42	39	36	33	31	
5	19,6	393	262	196	157	131	112	98	87	79	71	65	60	56	52	49	
6	28,3	565	377	283	226	188	161	141	126	113	103	94	87	81	75	71	
7	38,5	769	513	385	308	256	220	192	171	154	140	128	118	110	103	96	
8	50,3	1005	670	502	402	335	287	251	223	201	183	167	155	144	134	126	
9	63,6	1272	848	636	509	424	363	318	283	254	231	212	196	182	170	159	
10	78,5	1570	1047	785	628	523	449	393	349	314	285	262	242	224	209	196	
11	95,0	1900	1266	960	760	633	543	475	422	380	345	317	292	271	253	237	
12	113,0	2261	1507	1130	904	754	646	565	502	452	411	377	348	323	301	283	

## To Calculate The Replacement Of Mild Steel Into Wire Mesh

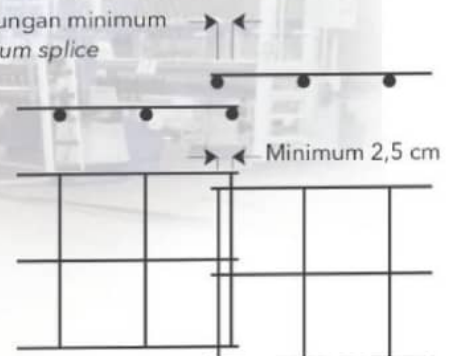
$$\text{The Area Of The Equivalent Ironing Work Of MESH area/m} = \frac{\text{allowable stress of iron}}{2.900} \times \text{(the existing area of the ironing work)}$$

## Examples of overlay details

Sambungan dengan Tegangan Leleh Penuh  
 Full Yield Strength Lap Splice



Sambungan dengan Setengah Tegangan Leleh  
 Half Yield Strength Lap Splice



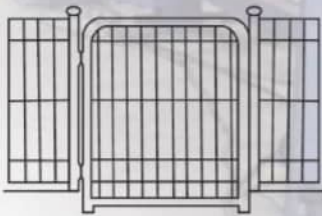
## ► Fences and Posts

**SIDOKUMPUL Mesh** fences are made of U-50 high quality steel. They are manufactured by advanced technology machines to produce high quality outputs. In the finishing stage, they go through the Hot Dipped Galvanized process so that they can resist rust corrosion.

### Fence and Pole Specification of **SIDOKUMPUL Mesh**

No.	Type	Φ (mm)	Space (mm)	Fence (L x T mm)	Poles Φ 1.5" (mm)	Post Φ 2" (mm)
1	P 90	6	8	2400 x 900	Φ 1.5" x 1.200	Φ 2" x 1.200
2	P 120	6	8	2400 x 1200	Φ 1.5" x 1.500	Φ 2" x 1.500
3	P 150	6	10	2400 x 1500	Φ 1.5" x 1.800	Φ 2" x 1.800
4	P 175	7	10	2400 x 1750	Φ 1.5" x 2.000	Φ 2" x 2.000
5	P 190	7	12	2400 x 1900	Φ 1.5" x 2.250	Φ 2" x 2.250
6					Φ 1.5" x 2.400	Φ 2" x 2.400

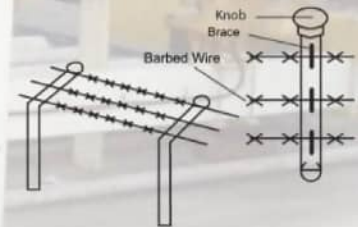
\*Custom Fences/special Orders are Available



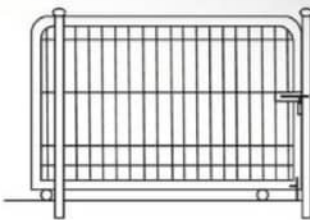
Single Doors



Double Doors



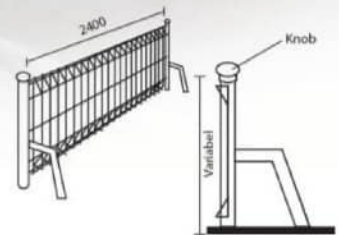
Bending Poles



Sliding Doors



Double Sliding Doors



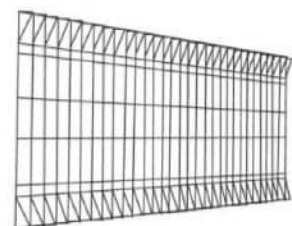
Supporting Poles



P 90 Φ 6 mm



P 120 Φ 6 mm



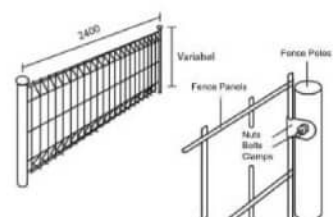
P 150 Φ 6 mm



P 175 Φ 7 mm



P 190 Φ 7 mm



Installation Details

## ► Drawn Wire

One of the products of PT. Sidokumpul Raya is Drawn Wire. The drawn wire of our products can be customized to the needs of customers and is usually used as a supporting material for cast printing

### Drawn Wire Specification

No.	Φ (mm)	Tolerance (mm)
1	4	0.1 - 0.15
2	5	0.1 - 0.15
3	6	0.1 - 0.15
4	7	0.1 - 0.15
5	8	0.1 - 0.15

NB: Weight per Coil depending on customer demand



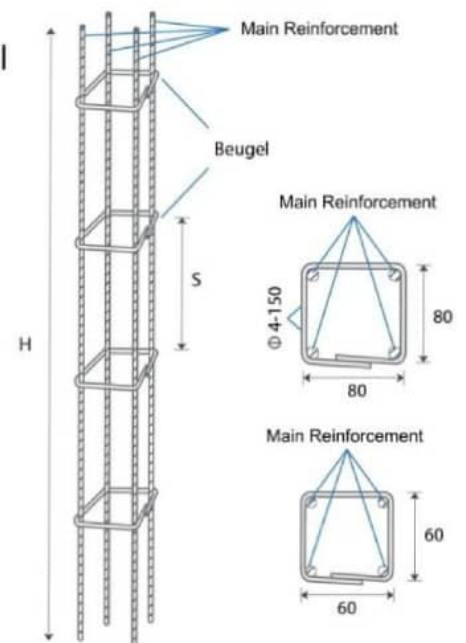
## ► Practical Column

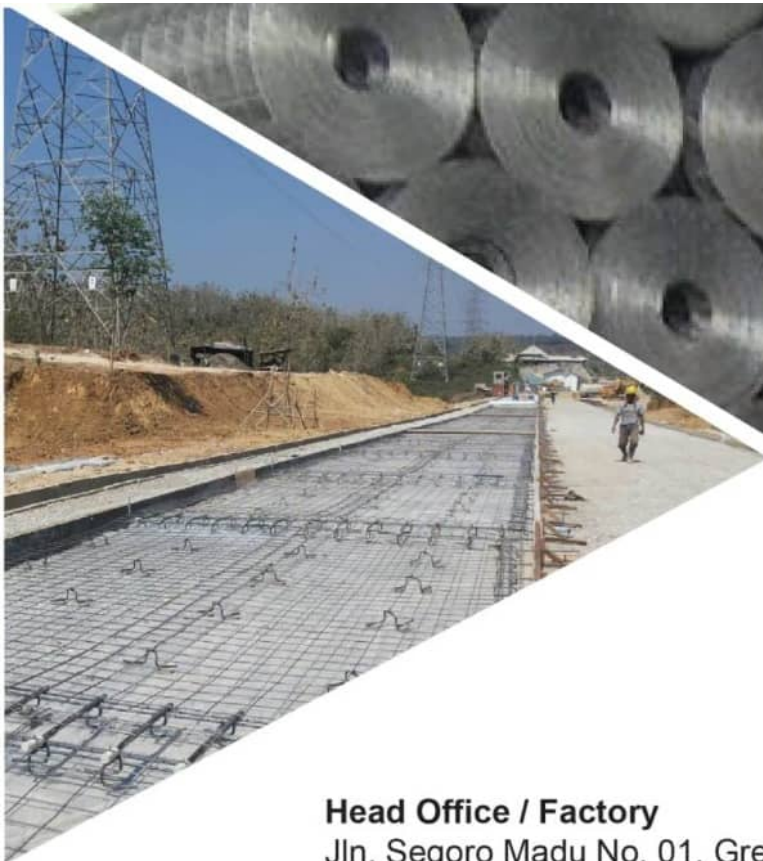
PT. Sidokumpul Raya also provides Practical Columns usually used as reinforcement for column casting applications. Practical columns are usually in a vertical position to support the beam loads. The production can be customized to customers' requirements.

### Practical Column Specifications

Type	Φ Main Reinforcement (mm)	Φ Beugel Reinforcement (mm)	Space Beugel (mm)	Size	Length (mm)
KP - 60.5	5	4	150	60 x 60	3.000
KP - 60.6	6	4	150	60 x 60	3.000
KP - 80.5	5	4	150	80 x 80	3.000
KP - 80.6	6	4	150	80 x 80	3.000
* Custom Practical Columns/special Orders are Available					

### Illustration of Practical Column





**Head Office / Factory**

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**SIDOKUMPUL** *Mesh*

