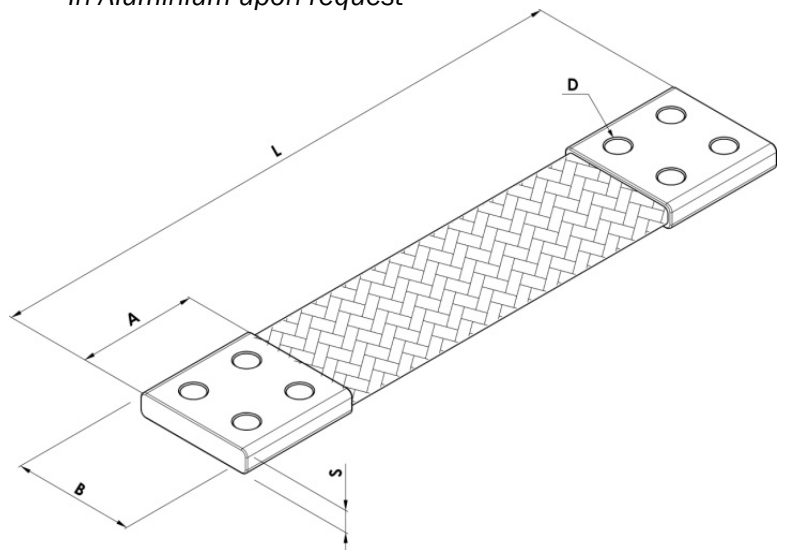


# LAST - STROMBÄNDER POWER CONDUCTORS



- Verzinnte Endhülsen Cu-DHP UNI EN 12499  
*Cu-DHP UNI EN 12499 Tin-plated tubular terminals*
- Blanke, versilberte und vernickelte Endhülsen auf Anfrage  
*Bare, silver or nickel plated terminals upon request*
- Einzeldrahtstärke Cu-ETP UNI EN 13602 - Ø 0,20 mm  
(Ø 0,05 - 0,07 - 0,10 - 0,15 mm auf Anfrage)  
*Single wire Cu-ETP UNI EN 13602 - Ø 0,20 mm  
(Ø 0,05 - 0,07 - 0,10 - 0,15 mm upon request)*
- Spezielle Werkstoffe und Ausbildung des Geflechts auf Anfrage  
*Special braid materials and structure upon request*
- Sonderausführungen auf Anfrage  
*Special dimensions and design upon request*
- Aluminium auf Anfrage  
*In Aluminium upon request*

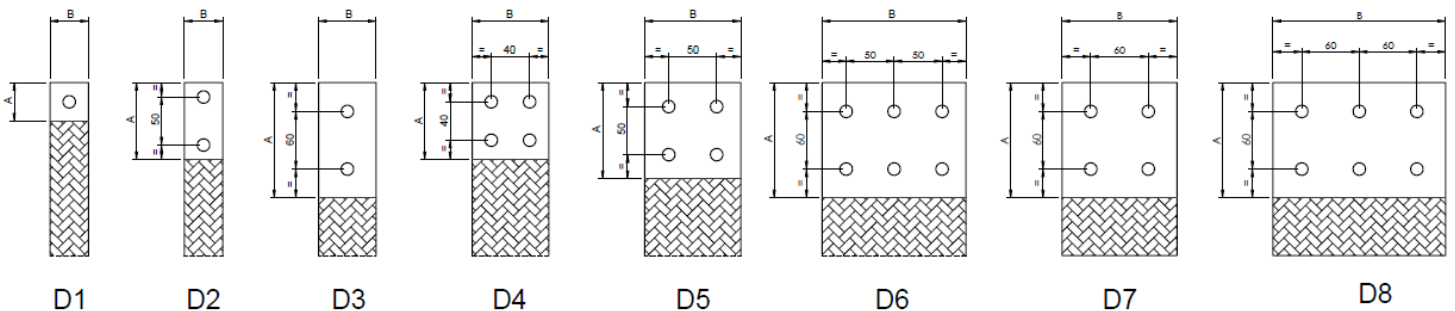


- Abmessungen variable "B":

*Available standard dimensions for "B":*

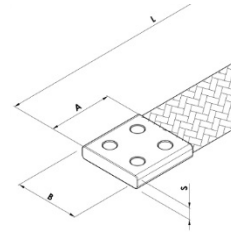
8 - 10 - 12 - 15 - 17 - 20 - 22 - 25 - 30 - 32 - 35 - 38 - 40 - 43 - 45 - 47 - 48 - 50 - 55 - 56 - 58 - 60 - 63 - 70 - 80 - 90 - 97 - 100 - 120 - 140 - 145 - 150 - 160 - 200 [mm]      Sonderausführungen auf Anfrage / *Special dimensions realized upon request*

## BOHRBILDER DRILLING PATTERNS



- Sonderausführung des Lochbildes und Lochgröße gemäss DIN 43673 sind verfügbar  
*Custom-made drilling patterns or according to DIN 43673 are also available*

# LAST - STROMBÄNDER POWER CONDUCTORS



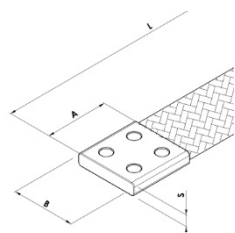
Kupfer blank <i>Bare Copper</i>	Kupfer verzinkt <i>Tin-Plated Copper</i>	Querschnitt Cross-Sect. [mm <sup>2</sup> ]	A [mm]	B [mm]	S [mm]	L [mm]	D [mm]	Bohrbild Drilling	Strombelastung <i>Current load</i>		
									ΔT 30 °C	ΔT 50 °C	ΔT 70 °C
FRS 10/020-200/10	FSS 10/020-200/10	10	10	10	3,5	200	5	D1	80 A	110 A	140 A
FRS 10/020-200/12	FSS 10/020-200/12	10	12	12	3,2	200	6	D1	80 A	110 A	140 A
FRS 16/020-200/15	FSS 16/020-200/15	16	15	15	3,5	200	7	D1	110 A	160 A	190 A
FRS 16/020-200/17	FSS 16/020-200/17	16	17	17	3,3	200	9	D1	120 A	160 A	200 A
FRS 25/020-200/20	FSS 25/020-200/20	25	20	20	3,7	200	9	D1	150 A	210 A	260 A
FRS 25/020-200/22	FSS 25/020-200/22	25	22	22	3,5	200	9	D1	160 A	220 A	270 A
FRS 25/020-200/25	FSS 25/020-200/25	25	25	25	3,3	200	11	D1	160 A	220 A	280 A
FRS 35/020-200/22	FSS 35/020-200/22	35	22	22	4,1	200	9	D1	190 A	260 A	320 A
FRS 35/020-200/25	FSS 35/020-200/25	35	25	25	3,8	200	11	D1	190 A	270 A	330 A
FRS 50/020-200/25	FSS 50/020-200/25	50	25	25	4,6	200	11	D1	230 A	320 A	400 A
FRS 50/020-200/30	FSS 50/020-200/30	50	30	30	4,2	200	11	D1	250 A	340 A	420 A
FRS 50/020-250/35	FSS 50/020-250/35	50	35	35	3,8	250	13	D1	260 A	350 A	430 A
FRS 75/020-200/30	FSS 75/020-200/30	75	30	30	5,2	200	13	D1	300 A	420 A	510 A
FRS 75/020-250/35	FSS 75/020-250/35	75	35	35	4,8	250	13	D1	320 A	440 A	540 A
FRS 100/020-200/30	FSS 100/020-200/30	100	30	30	6	200	13	D1	350 A	490 A	600 A
FRS 100/020-250/35	FSS 100/020-250/35	100	35	35	5,6	250	13	D1	370 A	510 A	620 A
FRS 100/020-250/40	FSS 100/020-250/40	100	40	40	5,2	250	13	D1	380 A	530 A	650 A
FRS 120/020-200/30	FSS 120/020-200/30	120	30	30	7	200	13	D1	390 A	540 A	660 A
FRS 120/020-250/35	FSS 120/020-250/35	120	35	35	6,5	250	13	D1	410 A	560 A	690 A
FRS 120/020-250/40	FSS 120/020-250/40	120	40	40	6	250	13	D1	420 A	580 A	710 A
FRS 150/020-200/30	FSS 150/020-200/30	150	30	30	8	200	13	D1	440 A	610 A	750 A
FRS 150/020-250/35	FSS 150/020-250/35	150	35	35	7,5	250	13	D1	460 A	630 A	780 A
FRS 150/020-250/40	FSS 150/020-250/40	150	40	40	6,8	250	13	D1	470 A	650 A	800 A
FRS 150/020-250/45	FSS 150/020-250/45	150	45	45	6,2	250	13	D1	490 A	670 A	830 A
FRS 200/020-300/40	FSS 200/020-300/40	200	40	40	8,3	300	13	D1	550 A	760 A	940 A
FRS 200/020-300/45	FSS 200/020-300/45	200	45	45	7,6	300	13	D1	570 A	780 A	960 A
FRS 200/020-300/50	FSS 200/020-300/50	200	50	50	7	300	13	D1	590 A	810 A	990 A
FRS 200/020-350/40	FSS 200/020-350/40	200	100	40	8,3	350	13	D2	550 A	760 A	940 A
FRS 200/020-350/50	FSS 200/020-350/50	200	100	50	7	350	13	D2	590 A	780 A	990 A
FRS 250/020-300/40	FSS 250/020-300/40	250	40	40	10	300	13	D1	630 A	860 A	1060 A
FRS 250/020-300/45	FSS 250/020-300/45	250	45	45	9	300	13	D1	640 A	890 A	1090 A
FRS 250/020-300/50	FSS 250/020-300/50	250	50	50	8,3	300	13	D1	660 A	910 A	1120 A
FRS 250/020-350/40	FSS 250/020-350/40	250	100	40	10	350	13	D2	630 A	860 A	1060 A
FRS 250/020-350/50	FSS 250/020-350/50	250	100	50	8,3	350	13	D2	660 A	910 A	1120 A
FRS 300/020-300/45	FSS 300/020-300/45	300	45	45	10,6	300	13	D1	710 A	980 A	1200 A
FRS 300/020-300/50	FSS 300/020-300/50	300	50	50	9,5	300	13	D1	730 A	1000 A	1230 A
FRS 300/020-300/60	FSS 300/020-300/60	300	60	60	8,5	300	13	D1	770 A	1050 A	1300 A
FRS 300/020-400/45	FSS 300/020-400/45	300	80	45	10,6	400	13	D2	710 A	980 A	1200 A
FRS 300/020-400/50	FSS 300/020-400/50	300	100	50	9,5	400	13	D2	730 A	1000 A	1230 A
FRS 300/020-400/60	FSS 300/020-400/60	300	120	60	8,5	400	13	D2	770 A	1050 A	1300 A
FRS 300/020-400/70	FSS 300/020-400/70	300	120	70	8,3	400	13	D2	800 A	1110 A	1360 A
FRS 400/020-300/50	FSS 400/020-300/50	400	50	50	12	300	13	D1	850 A	1180 A	1450 A
FRS 400/020-400/40	FSS 400/020-400/40	400	80	40	15	400	13	D2	820 A	1130 A	1390 A
FRS 400/020-400/50	FSS 400/020-400/50	400	100	50	12	400	13	D2	850 A	1180 A	1450 A
FRS 400/020-400/60	FSS 400/020-400/60	400	120	60	10,5	400	13	D3	890 A	1230 A	1510 A
FRS 400/020-400/80	FSS 400/020-400/80	400	80	80	9,5	400	13	D4	970 A	1340 A	1650 A
FRS 400/020-400/100	FSS 400/020-400/100	400	100	100	8	400	13	D5	1040 A	1430 A	1760 A
FRS 400/020-400/120	FSS 400/020-400/120	400	120	120	7	400	13	D7	1100 A	1520 A	1870 A
FRS 500/020-400/50	FSS 500/020-400/50	500	100	50	14,5	400	13	D2	970 A	1330 A	1640 A
FRS 500/020-400/60	FSS 500/020-400/60	500	120	60	12,5	400	13	D3	1010 A	1390 A	1710 A
FRS 500/020-400/80	FSS 500/020-400/80	500	80	80	11	400	13	D4	1090 A	1510 A	1850 A
FRS 500/020-400/90	FSS 500/020-400/90	500	120	90	10	400	13	D4	1130 A	1560 A	1920 A
FRS 500/020-400/100	FSS 500/020-400/100	500	100	100	9,2	400	13	D5	1170 A	1610 A	1980 A
FRS 500/020-450/120	FSS 500/020-450/120	500	120	120	8,5	450	13	D7	1240 A	1720 A	2100 A
FRS 500/020-450/140	FSS 500/020-450/140	500	120	140	8,5	450	13	D7	1310 A	1800 A	2210 A
FRS 500/020-450/150	FSS 500/020-450/150	500	120	150	7	450	13	D6	1330 A	1840 A	2260 A
FRS 500/020-450/160	FSS 500/020-450/160	500	120	160	9	450	13	D6	1370 A	1890 A	2320 A
FRS 500/020-500/200	FSS 500/020-500/200	500	120	200	9	500	13	D8	1480 A	2040 A	2510 A

Spezielle Bohrungen , Abmessungen und Ausführungen auf Anfrage / *Special drillings, dimensions and design upon request*

Strombelastungen sind circa Angaben (siehe Seite 28) / *Conductors current loads are approximated (please see page 28)*

Verwies auf Umgebungstemperatur 35° C / *Referred to Ambient Temperature 35° C*

# LAST - STROMBÄNDER POWER CONDUCTORS



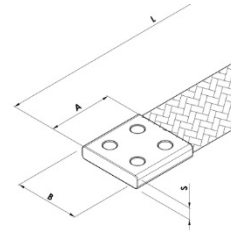
Kupfer blank <i>Bare Copper</i>	Kupfer verzinkt <i>Tin-Plated Copper</i>	Querschnitt Cross-Sect. [mm <sup>2</sup> ]	A [mm]	B [mm]	S [mm]	L [mm]	D [mm]	Bohrbild <i>Drilling</i>	Strombelastung <i>Current load</i>		
									ΔT 30 °C	ΔT 50 °C	ΔT 70 °C
FRS 600/020-400/60	FSS 600/020-400/60	600	100	60	16	400	13	D2	1120 A	1550 A	1900 A
FRS 600/020-400/70	FSS 600/020-400/70	600	120	70	14	400	13	D3	1160 A	1600 A	1970 A
FRS 600/020-400/80	FSS 600/020-400/80	600	80	80	12,5	400	13	D4	1210 A	1660 A	2040 A
FRS 600/020-400/90	FSS 600/020-400/90	600	120	90	11,5	400	13	D4	1250 A	1720 A	2110 A
FRS 600/020-400/100	FSS 600/020-400/100	600	100	100	10,5	400	13	D5	1290 A	1770 A	2180 A
FRS 600/020-450/120	FSS 600/020-450/120	600	120	120	9,5	450	13	D7	1360 A	1880 A	2300 A
FRS 600/020-450/140	FSS 600/020-450/140	600	120	140	9,3	450	13	D7	1430 A	1980 A	2430 A
FRS 600/020-450/150	FSS 600/020-450/150	600	120	150	8	450	13	D6	1460 A	2020 A	2480 A
FRS 600/020-450/160	FSS 600/020-450/160	600	120	160	8	450	13	D6	1500 A	2060 A	2530 A
FRS 600/020-500/200	FSS 600/020-500/200	600	120	200	10	500	13	D8	1620 A	2240 A	2750 A
FRS 800/020-400/80	FSS 800/020-400/80	800	80	80	15,5	400	13	D4	1410 A	1940 A	2380 A
FRS 800/020-400/100	FSS 800/020-400/100	800	100	100	13	400	13	D5	1500 A	2060 A	2530 A
FRS 800/020-450/120	FSS 800/020-450/120	800	120	120	11,5	450	13	D7	1580 A	2180 A	2680 A
FRS 800/020-450/140	FSS 800/020-450/140	800	120	140	11	450	13	D7	1660 A	2290 A	2810 A
FRS 800/020-450/150	FSS 800/020-450/150	800	120	150	10	450	13	D6	1700 A	2340 A	2880 A
FRS 800/020-450/160	FSS 800/020-450/160	800	120	160	11,2	450	13	D6	1740 A	2400 A	2950 A
FRS 800/020-500/200	FSS 800/020-500/200	800	120	200	11	500	13	D8	1880 A	2590 A	3180 A
FRS 1000/020-450/80	FSS 1000/020-450/80	1000	80	80	19	450	13	D4	1590 A	2200 A	2700 A
FRS 1000/020-450/100	FSS 1000/020-450/100	1000	100	100	15,5	450	13	D5	1690 A	2320 A	2850 A
FRS 1000/020-450/120	FSS 1000/020-450/120	1000	120	120	14,5	450	13	D7	1780 A	2450 A	3020 A
FRS 1000/020-500/140	FSS 1000/020-500/140	1000	120	140	13	500	13	D7	1870 A	2570 A	3160 A
FRS 1000/020-500/150	FSS 1000/020-500/150	1000	120	150	13,3	500	13	D6	1910 A	2630 A	3240 A
FRS 1000/020-500/160	FSS 1000/020-500/160	1000	120	160	12,8	500	13	D6	1950 A	2690 A	3310 A
FRS 1000/020-500/200	FSS 1000/020-500/200	1000	120	200	12,5	500	13	D8	2110 A	2900 A	3570 A
FRS 1200/020-450/100	FSS 1200/020-450/100	1200	100	100	18	450	15	D5	1860 A	2560 A	3150 A
FRS 1200/020-450/120	FSS 1200/020-450/120	1200	120	120	16,5	450	15	D7	1960 A	2700 A	3320 A
FRS 1200/020-500/140	FSS 1200/020-500/140	1200	120	140	14,6	500	15	D7	2050 A	2830 A	3480 A
FRS 1200/020-500/150	FSS 1200/020-500/150	1200	120	150	15	500	15	D6	2100 A	2900 A	3560 A
FRS 1200/020-500/160	FSS 1200/020-500/160	1200	120	160	14,3	500	15	D6	2150 A	2960 A	3630 A
FRS 1200/020-500/200	FSS 1200/020-500/200	1200	120	200	13,5	500	15	D8	2310 A	3180 A	3910 A
FRS 1500/020-450/100	FSS 1500/020-450/100	1500	120	100	22	450	15	D5	2110 A	2900 A	3570 A
FRS 1500/020-450/120	FSS 1500/020-450/120	1500	120	120	20	450	15	D7	2210 A	3050 A	3750 A
FRS 1500/020-500/140	FSS 1500/020-500/140	1500	120	140	16,2	500	15	D7	2300 A	3180 A	3900 A
FRS 1500/020-500/150	FSS 1500/020-500/150	1500	120	150	17,5	500	15	D6	2360 A	3260 A	4000 A
FRS 1500/020-500/160	FSS 1500/020-500/160	1500	120	160	16,6	500	15	D6	2410 A	3320 A	4080 A
FRS 1500/020-500/200	FSS 1500/020-500/200	1500	120	200	15,5	500	15	D8	2590 A	3570 A	4390 A
FRS 1800/020-450/120	FSS 1800/020-450/120	1800	120	120	23	450	15	D7	2440 A	3370 A	4140 A
FRS 1800/020-500/140	FSS 1800/020-500/140	1800	120	140	19	500	15	D7	2540 A	3500 A	4300 A
FRS 1800/020-500/150	FSS 1800/020-500/150	1800	120	150	20	500	15	D6	2600 A	3590 A	4410 A
FRS 1800/020-500/160	FSS 1800/020-500/160	1800	120	160	19	500	15	D6	2650 A	3660 A	4490 A
FRS 1800/020-500/200	FSS 1800/020-500/200	1800	120	200	17,5	500	15	D8	2850 A	3930 A	4830 A
FRS 2000/020-450/120	FSS 2000/020-450/120	2000	120	120	25	450	15	D7	2590 A	3570 A	4390 A
FRS 2000/020-500/140	FSS 2000/020-500/140	2000	120	140	21	500	15	D7	2690 A	3710 A	4560 A
FRS 2000/020-500/150	FSS 2000/020-500/150	2000	120	150	22	500	15	D6	2760 A	3800 A	4670 A
FRS 2000/020-500/160	FSS 2000/020-500/160	2000	120	160	21	500	15	D6	2810 A	3870 A	4760 A
FRS 2000/020-500/200	FSS 2000/020-500/200	2000	120	200	18,5	500	15	D8	3010 A	4150 A	5100 A
FRS 2200/020-450/120	FSS 2200/020-450/120	2200	120	120	27	450	15	D7	2730 A	3760 A	4620 A
FRS 2200/020-500/140	FSS 2200/020-500/140	2200	120	140	24,5	500	15	D7	2840 A	3920 A	4820 A
FRS 2200/020-500/150	FSS 2200/020-500/150	2200	120	150	23,5	500	15	D6	2900 A	4000 A	4910 A
FRS 2200/020-500/160	FSS 2200/020-500/160	2200	120	160	22	500	15	D6	2950 A	4070 A	5000 A
FRS 2200/020-500/200	FSS 2200/020-500/200	2200	120	200	20	500	15	D8	3170 A	4360 A	5360 A
FRS 2400/020-450/120	FSS 2400/020-450/120	2400	120	120	29	450	15	D7	2870 A	3950 A	4850 A
FRS 2400/020-500/140	FSS 2400/020-500/140	2400	120	140	26,5	500	15	D7	2980 A	4110 A	5050 A
FRS 2400/020-500/150	FSS 2400/020-500/150	2400	120	150	25	500	15	D6	3040 A	4190 A	5150 A
FRS 2400/020-500/160	FSS 2400/020-500/160	2400	120	160	24	500	15	D6	3100 A	4260 A	5240 A

Spezielle Bohrungen , Abmessungen und Ausführungen auf Anfrage / *Special drillings, dimensions and design upon request*

Strombelastungen sind circa Angaben (siehe Seite 28) / *Conductors current loads are approximated (please see page 28)*

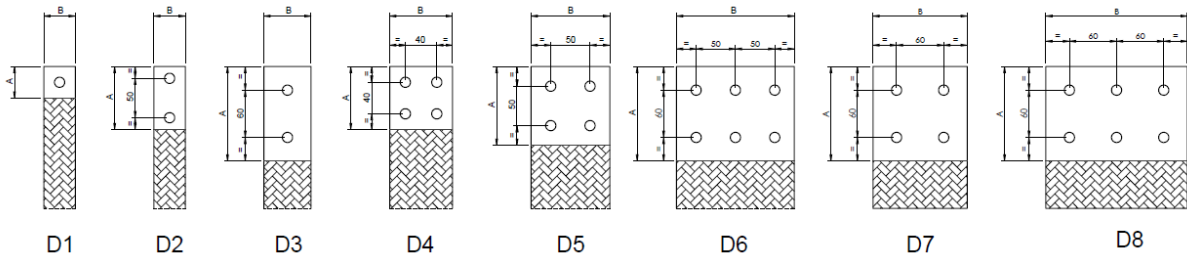
Verwies auf Umgebungstemperatur 35° C / *Referred to Ambient Temperature 35° C*

# LAST - STROMBÄNDER POWER CONDUCTORS

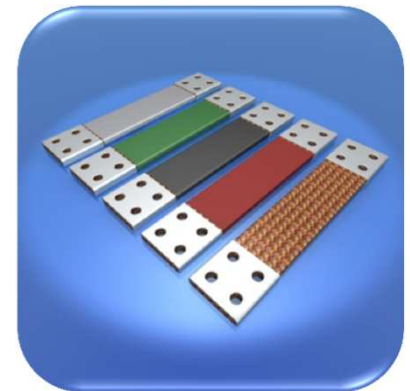
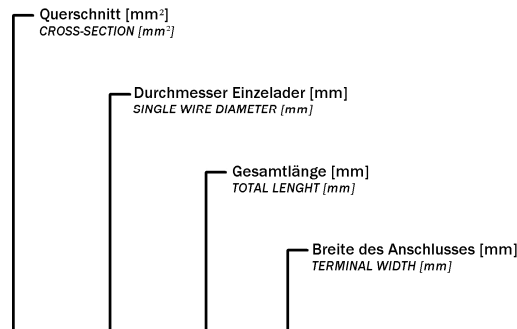


Kupfer blank Bare Copper	Kupfer verzinkt Tin-Plated Copper	Querschnitt Cross-Sect. [mm <sup>2</sup> ]	A [mm]	B [mm]	S [mm]	L [mm]	D [mm]	Bohrbild Drilling	Strombelastung Current load		
									ΔT 30°C	ΔT 50°C	ΔT 70°C
FRS 3000/020-450/120	FSS 3000/020-450/120	3000	120	120	33,5	450	15	D7	3240 A	4460 A	5480 A
FRS 3000/020-500/140	FSS 3000/020-500/140	3000	120	140	32	500	15	D7	3380 A	4650 A	5720 A
FRS 3000/020-500/150	FSS 3000/020-500/150	3000	120	150	30	500	15	D6	3430 A	4730 A	5810 A
FRS 3000/020-500/160	FSS 3000/020-500/160	3000	120	160	28,5	500	15	D6	3490 A	4810 A	5910 A
FRS 3600/020-450/120	FSS 3600/020-450/120	3600	120	120	40	450	15	D7	3600 A	4960 A	6100 A
FRS 3600/020-500/140	FSS 3600/020-500/140	3600	120	140	37	500	15	D7	3740 A	5150 A	6330 A
FRS 3600/020-500/150	FSS 3600/020-500/150	3600	120	150	35	500	15	D6	3800 A	5230 A	6430 A
FRS 3600/020-500/160	FSS 3600/020-500/160	3600	120	160	33	500	15	D6	3860 A	5320 A	6530 A
FRS 4500/020-450/120	FSS 4500/020-450/120	4500	120	120	50	450	15	D7	4120 A	5670 A	6970 A
FRS 4500/020-500/150	FSS 4500/020-500/150	4500	120	150	42,5	500	15	D6	4310 A	5940 A	7300 A
FRS 5000/020-450/120	FSS 5000/020-450/120	5000	120	120	55	450	15	D7	4930 A	6040 A	7430 A

## BOHRBILDER/DRILLING PATTERNS



## TYPENERKLÄRUNGEN SPECIAL DESIGNATIONS



X Y Z U / W - L / B K

- R - Anschluss Kupfer blank  
BARE COPPER TERMINALS
- S - Anschluss Kupfer verzinkt  
TIN-PLATED COPPER TERMINALS
- A - Anschluss Kupfer versilbert  
SILVER-PLATED COPPER TERMINALS
- N - Anschluss Kupfer vernickelt  
NICKEL-PLATED COPPER TERMINALS

- R - Einzelader Kupfer blank  
BARE COPPER CONDUCTOR
- S - Einzelader Kupfer verzinkt  
TIN-PLATED COPPER CONDUCTOR

- F - Kupferzopf flach  
FLAT COPPER BRAID CONDUCTOR
- C - Kupferdraht verdreht  
TWISTED COPPER CABLE CONDUCTOR
- R - Kupferzopf rund  
ROUND COPPER BRAID CONDUCTOR



- SN - Verzinnter Anschluss  
HOT TIN DIPPED TERMINALS
- PVC - PVC Isolation  
PVC INSULATION
- PE - Polyolefin Thermo-Schrump Isolation  
POLYOLEFIN THERMOSHINKABLE INSULATION
- SIL - Silicon Isolation  
SILICON INSULATION
- FV - Fiberglass Isolation  
GLASS-FIBER INSULATION

